

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Presentation to the Office of the Nevada State Engineer

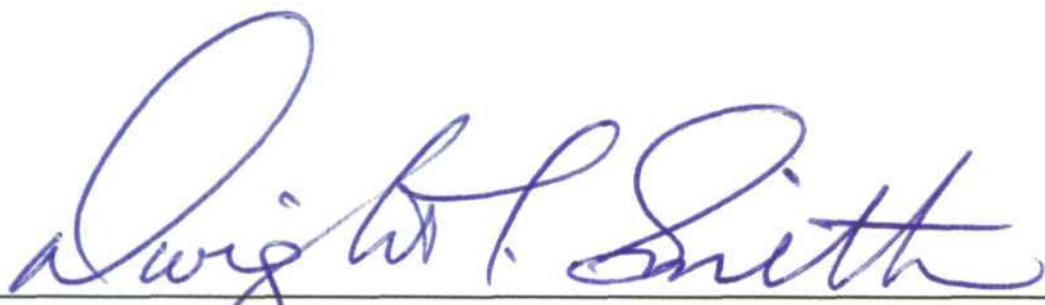
Prepared for



SOUTHERN NEVADA
WATER AUTHORITY

June 2006

Dwight L. Smith, a consultant to the Southern Nevada Water Authority (SNWA) prepared this report entitled "*Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley*", June, 2006. This report is one of several reports prepared in support of SNWA groundwater applications 54003 through 54021 in Spring Valley (Hydrographic Area 184).



Dwight L. Smith, PE, RG
State Water Right Surveyor Certificate No. 1045
Principal Hydrogeologist
Interflow Hydrology, Inc.

6/27/06

Date



TABLE OF CONTENTS

List of Figures.....	iii
List of Tables	v
List of Acronyms and Abbreviations	vii
ES.1.0 Executive Summary	ES-1
1.0 Introduction.....	1-1
1.1 Scope of Work	1-1
1.2 Brief Overview of Nevada Water Rights	1-2
1.3 Overview of the State Engineer’s Records and Available Data.....	1-3
2.0 Methodology.....	2-1
2.1 Research	2-1
2.2 Interpretations of Committed Water Rights	2-1
2.2.1 General	2-1
2.2.2 Irrigation Rights	2-2
2.2.3 Stockwater Rights.....	2-3
2.2.4 Reserved Rights	2-3
2.2.5 Domestic Wells	2-4
2.3 Current Water Uses.....	2-4
2.3.1 Crop Consumptive Water Use	2-4
2.3.2 Irrigation Secondary Recharge.....	2-5
2.3.3 Domestic Water Use and Secondary Recharge	2-6
2.4 Preparation of Maps	2-6
3.0 Summary of Water Rights	3-1
3.1 Overview.....	3-1
3.2 Interpretation of Supplemental Irrigation Duties	3-1
3.3 Interpretation of Committed Groundwater Rights	3-6
3.3.1 Irrigation - Groundwater Source	3-6
3.3.2 Mining and Milling – Groundwater Source	3-9
3.3.3 Quasi-Municipal – Groundwater Source	3-9
3.3.4 Stockwater – Groundwater Source.....	3-10
3.3.5 Wildlife – Groundwater Source	3-10
3.4 Committed Groundwater Water Resources	3-13
3.5 Pending Applications to Appropriate Water.....	3-14
4.0 Summary and Conclusions	4-1
5.0 References.....	5-1

Appendix A - Water Rights Abstracts and Aliquot-Part Tables



This Page Intentionally Left Blank

LIST OF FIGURES

NUMBER	TITLE	PAGE
3-1	Spring Valley Vicinity Map	3-2
3-2	Locations of Points-of-Diversion for Water Rights With an Underground Source.	3-3
3-3	Locations of Points-of-Diversion for Water Rights With Spring and Stream Sources	3-4
3-4	Approximate Locations of Places of Use for Irrigation Water Rights in Spring Valley	3-5



This Page Intentionally Left Blank

LIST OF TABLES

NUMBER	TITLE	PAGE
ES.1-1	Summary of Committed Groundwater Rights in Spring Valley	ES-2
3-1	Summary of Groundwater Irrigation Rights in Spring Valley (HA 184)	3-7
3-2	Summary of Committed Groundwater Rights in Spring Valley (HA 184)	3-9
3-3	Summary of Groundwater Rights for Mining and Milling Uses in Spring Valley (HA 184).	3-10
3-4	Summary of Groundwater Rights Used for Stockwatering in Spring Valley (HA 184).	3-11
3-5	Comparison of Committed Groundwater Rights vs. Consumptive Groundwater Uses in Spring Valley (HA 184)	3-13
3-7	Summary of Recently Denied Underground Applications in Spring Valley (HA 184) That Were Senior to SNWA Applications.	3-14
3-6	Summary of Pending SNWA Applications in Spring Valley (HA 184)	3-15
3-7	Summary of Recently Denied Underground Applications in Spring Valley (HA 184) That Were Senior to SNWA Applications.	3-16
4-1	Summary of NDWR and SNWA Groundwater Water Rights and Consumptive Duties.	4-1
A-1	NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006	A-1
A-2	Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006.	A-12
A-3	Spring Valley Irrigation Rights - Aliquot Part.	A-28
A-4	Spring Valley Irrigation Place of Use Summary Table - Underground Sources.	A-53



This Page Intentionally Left Blank

LIST OF ACRONYMS AND ABBREVIATIONS

afa	acre-feet per annum
afs	acre-feet per season
afy	acre-feet per year
APP	Water Right Application (Permit Status)
BLM	U.S. Bureau of Land Management
CER	Permit with Certificate of Appropriation Granted (Permit Status)
cfs	cubic feet per second
DEC	Decreed Right
DLE	Desert Land Entry
DOM	Domestic (Manner of Use)
ET	Evapotranspiration
FAO	Food and Agriculture Organization of the United Nations
ft	foot/feet
ft/acre	feet per acre
ft/year	feet per year
GIS	Geographic Information System
gpd	gallons per day
HA	Hydrographic Area
IRC	Irrigation-Carey Act (Manner of Use)
IRD	Irrigation-Desert Land Entry (Manner of Use)
IRR	Irrigation (Manner of Use)
LAK	Lake (Source of Water)
mga	million gallons per annum
MM	Mining and Milling (Manner of Use)
MUN	Municipal (Manner of Use)
NDWR	Nevada Division of Water Resources
OGW	Other groundwater (Source of Water)
OSW	Other Surface Water (Source of Water)
PER	Permit, Certificate of Appropriation not yet granted (Permit Status)
POD	Point of Diversion
POU	Place of Use
QM	Quasi-municipal (Manner of Use)
R	Federal Reserved Right (precedes claim number)
RES	Federal Reserved Right (Permit Status)



LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

RES	Reservoir (Source of Water)
RFA	Application Ready for Action-Not Protested (Permit Status)
RFP	Application Ready for Action-Protested (Permit Status)
SCS	Soil Conservation Service (National Resource Conservation Service)
SNWA	Southern Nevada Water Authority
SPR	Spring (Source of Water)
STK	Stockwatering (Manner of Use)
STR	Stream (Source of Water)
UG	Underground (Source of Water)
USFS	U.S. Forest Service
V	Vest Claim (Proceeds claim number)
VST	Vested Claim (Permit Status)
WLD	Wildlife (Manner of Use)

ES.1.0 EXECUTIVE SUMMARY

The Southern Nevada Water Authority (SNWA) has conducted an evaluation of water rights in Spring Valley (Hydrographic Area [HA] 184), White Pine and Lincoln Counties, Nevada, in support of pending applications (54003 to 54021) to appropriate groundwater filed by the Las Vegas Valley Water District and represented by SNWA.

This evaluation has included a review of water right documents at the State Engineer's office, compilation of an expanded abstract of water rights in the basin, an aliquot-part evaluation of irrigation water rights to define supplemental duties, and a review of consumptive use associated with the presently committed water rights.

Irrigation water rights granted in Spring Valley have a considerable amount of supplemental rights, many of which have not been clearly defined. There are several variations of supplemental conditions. One type of occurrence is when multiple permits have been granted for irrigation of the same land, but a not to exceed total duty from all permits is contained in the terms of the permits. Another occurrence has been the granting of groundwater rights to provide irrigation water when the primary irrigation sources (streams) are diminished (during periods of drought). Other occurrences of supplemental rights in Spring Valley include multiple sources being commingled to irrigate a common piece of land. There also appears to be an overlap in defined places of use for claims of vested rights and permits granted under the post-1905 water right system.

An aliquot-part evaluation (breakdown by 40-acre land subdivisions) of the place of use for each irrigation right in Spring Valley was used to identify overlapping places of use. This evaluation produces 9,610 afy of committed non-supplemental groundwater rights.

Of the 9,610 afy of committed groundwater rights, consumptive use is estimated to be 6,126 afy (see [Table ES.1-1](#) and [Table 3-5](#)). The consumptive use of irrigation rights is estimated to be 62.5 percent of water duty (based on recent State Engineer Rulings). While this value is derived from the Alpine Decree, existing data also suggest it is a reasonable assumption for Spring Valley agricultural practices. Some minor adjustments for domestic well water consumption and septic system secondary recharges were also integrated into the consumptive use estimate.



**Table ES.1-1
Summary of Committed Groundwater Rights in Spring Valley**

Manner of Use	Acre-Feet Annually (See Notes)	NDWR Reported^a	Notes
Irrigation	9,247.47	18,239.31	Supplemental duties determined by aliquot-part analysis.
Mining and Milling	0.00	1,360.70	Assume all rights issued as "temporary" due to nature of use.
Quasi-Municipal	78.64	78.64	
Stockwatering	263.86	398.80	Supplemental duties determined based on interpretation of common stock numbers noted in other underground permits.
Wildlife	20.01	20.01	
Total (Rounded)	9,610	20,097.47	

^aFrom NDWR website (May 9, 2006)

1.0 INTRODUCTION

As part of the Southern Nevada Water Authority's (SNWA) effort to develop additional in-state, non-Colorado River water resources, a series of technical reports were prepared in support of a water rights hearing before the Nevada State Engineer for action on SNWA pending applications to appropriate groundwater in Spring Valley, portions of Lincoln and White Pine Counties, Nevada.

This report will present an overview of groundwater use and associated consumptive use of water rights in Spring Valley, with a focus on defining the total duty of committed groundwater rights in the basin.

1.1 Scope of Work

For the Spring Valley Hydrographic Area (HA) (No. 184), the following work elements were completed as part of this technical review of water rights and water uses.

Compile abstract of water rights. Abstracts are a summary of water rights data, which includes point of diversion, diversion rate, annual duty in acre-feet per year (afy), irrigated acreage, manner of use, and priority date. Combined duties have been differentiated, to the degree possible, including vested rights and pending applications. The abstracts also contain basic information regarding place of use and the status of the water right. This task began with computer tabulations from Nevada Division of Water Resources (NDWR) for water rights in the basin, to which additional data were added, and a review process undertaken to confirm data presented on the original NDWR abstract. Permits, Certificates of Appropriation, supporting maps and other documents in the permit files were examined in order to complete the project abstract.

Plot water rights permits and applications on base map. A geographic information system (GIS) base map has been prepared showing the location of active permits and pending applications. Surface and spring sources are distinguished from groundwater rights, and all rights are further differentiated on the maps by manner of use. Locations of points-of-diversion are plotted to the nearest quarter-quarter section. The places of use for irrigated rights are plotted only to distinguish if a quarter-quarter section contains irrigated land.

Prepare aliquot-part database of places of use for irrigation rights. For each active water right, the irrigated area by 40-acre aliquot-part was compiled in a spreadsheet format. This enabled an examination and interpretation of the quantity of supplemental water rights in the basin.

Prepare an assessment of committed groundwater rights. Using the expanded abstracts and aliquot-part evaluation, along with evaluations of specific water right terms and supporting maps, an



interpretation of committed groundwater rights in the basin has been prepared for consideration by the State Engineer.

Review existing water uses. Using water rights abstracts, along with data regarding domestic well uses, and consumptive water uses associated with agriculture, an estimate of current consumptive water use in the basin was prepared.

1.2 Brief Overview of Nevada Water Rights

Nevada has a prior appropriations water rights system, administered by the office of the State Engineer. Nevada water law was established in 1905 to regulate uses of surface waters. In 1913, law regarding groundwater was enacted, but the complete groundwater law was not established until 1939. Claims of “vested” water rights can be made for appropriations of water prior to the establishment of Nevada water laws in 1905 for surface water and 1939 for groundwater (claims of pre-statutory rights). Some vested rights in Nevada have been adjudicated and therefore the quantity and extent of uses have been confirmed by the courts, but many have not been through this process.

In Nevada, all water ultimately belongs to the public, although water rights permits are treated like real property. The process of obtaining a water right begins with filing an application with the State Engineer to appropriate water. If the applicant is granted a permit, then the process of perfecting the water right begins. Proof of Completion of Work must be filed and accepted by the State Engineer, followed by Proof of Beneficial Use. Once Proof of Beneficial Use is accepted by the State Engineer, then a Certificate of Appropriation of Water is issued.

Water rights have a point of diversion, designated place of use, manner of use, rate and duty of diversion, period of use, and often contain specific conditions of water use as dictated by the State Engineer. Applications to change the point of diversion, place of use and/or manner of use of existing water right permits is a common practice as operations and demands for water change over time. Water rights remain appurtenant to the place of use but may be severed by deed (sold separate from the appurtenant land).

At times, water rights are issued which are considered supplemental to other water rights. For example, a groundwater right might be issued to provide water to irrigate a pasture that is normally irrigated with surface water. In some cases, water rights have been issued on the basis of a combined duty, whereby the total annual duty of several permits cannot exceed a combined total amount. A complicating issue which can be encountered is multiple water rights having been granted covering the same place of use. In some cases, a determination of the amount of water rights that are supplemental has not been made, to date. This tends to occur more frequently in cases where claims of vested rights have been filed that incorporate places of use for which permits were subsequently issued.

1.3 Overview of the State Engineer's Records and Available Data

The water rights permitting process by the NDWR has been a relatively consistent process since conception of Nevada water law. Once an application is filed, it is assigned a consecutively issued application number. To date, over 70,000 application numbers have been assigned. A file is established for each application, which contains records for the application, copy of issued permit or certificate, proof applications, and correspondence between the applicant and State Engineer. Records are maintained throughout the history of the water right, and files are kept, even if an application is abrogated, withdrawn, cancelled or denied. The application file also has an overview of the water right status recorded in the inside cover, which is useful for a quick overview. Records and files can be reviewed by the public.

The point of diversion and place of use for each application is recorded on Township cards, whereby, for each Township and Range in Nevada with at least one water right application, a running history of applications, the point of diversion, and place of use by 40-acre aliquot part are recorded. If applications are granted permits and certificates, or are withdrawn, cancelled, or denied, this information is also recorded on the Township cards.

Supporting maps are required for applications to appropriate water showing the surveyed tie to the point of diversion and the designated place of use. Supporting maps are also required for filing of Proof of Beneficial Use for irrigated lands.

Original copies of permits and certificates are kept at NDWR. Records of ownership conveyance are also maintained. Some decreed water rights (claims of vested rights) do not have application files, and records are maintained separately.

The NDWR has compiled a water rights database for the State. Abstracts of water rights by hydrographic area can be generated from this database. Contained in the database are data regarding current owner of record, priority date, source of water, status of the water right, manner of use, point of diversion, and a note if the water right has been entered as supplemental. In order to gain a complete understanding of the supplemental nature of a water right, a review of the database coupled with a review of other NDWR records is necessary.

In January 2006, NDWR released public access to the water rights database on their web site <http://water.nv.gov>. Preliminary basin abstracts, digital copies of permits and maps, and summaries of committed groundwater rights can all be viewed on this web site. Much of the information compiled and reviewed for this report is now available for viewing via this web site. Data available from the NDWR web site is released with the following expressed conditions:

The information reflected on these pages is derived by interpretations of paper records and is being provided for convenience only. Please refer to the actual water rights records for the details on any water right as such records may differ from the information provided herein. The Division of Water Resources is not responsible for errors, omissions, or accuracy of the information herein. There are no warranties, expressed or implied, including the warranty of merchantability or



fitness for a particular purpose, accompanying this information. Please notify the Division of Water Resources of any errors.

2.0 METHODOLOGY

2.1 Research

To begin, a water rights abstract was obtained from the NDWR for “active” water rights only (not the withdrawn, denied, cancelled or abrogated rights). Data from the NDWR abstract were organized in Excel® spreadsheets, whereby additional columns were added for data derived during research (status, place of use, notes on review of supplemental duties, etc). Township cards for each basin were copied and data on the Township cards compared to the electronic abstracts, as a quality control measure.

For each water right in the basin, copies were made of the permit (or application if no permit had been granted at the date of file examination), certificate, if issued, and the front inside cover of the water right file. Data from the water rights files were compared and information added to the abstract spreadsheet. If during the review of a file, a ruling or other document-correspondence was noted that had particular relevance in making interpretations of the duty or status of the water right, a copy or note was made. The resultant water rights abstract produced for this project contains expanded data over what was available at the time of research from NDWR, and has been through additional quality assurance/quality control reviews.

2.2 Interpretations of Committed Water Rights

2.2.1 General

Using the expanded abstract and compiled supporting documents, a calculation of total committed water rights was prepared. More rigorous attention was given to groundwater rights versus surface water rights, as SNWA’s pending applications are for groundwater appropriations. Interpretations of committed groundwater rights based on data collection were compared with summaries currently available on NDWR web site. Both interpretations are presented in this report, the differences examined, and both are qualified with the note that some supplemental duties may still be incorporated into the totals.

The term “supplemental” right in this report is used to describe the condition when two or more rights are used together and one right is supplemental to the other. A common supplemental condition in the study area occurs when underground permits have been granted to provide irrigation water in drought conditions when the primary surface water source(s) is unavailable. These supplemental rights are not intended to be used during wet and normal runoff conditions.



The term “combined duty” is used in this report to describe rights which together have a defined not-to-exceed duty for a defined place of use and manner of use. The term “commingled rights” is used to describe the general condition when more than one source (such as multiple surface waters, or surface water and groundwater) are used together simultaneously over a common place of use, but may not have a specifically defined combined total duty. The above are also types of supplemental rights.

In Spring Valley, surface water resources (streams and springs) are the primary developed source, and groundwater commonly supplements surface water resources, but at some locations groundwater is independently developed. In cases where water rights do not define a total duty, the maximum diversion rate has been assumed for the full period of allowed usage (commonly the entire year). Although used in this evaluation, this approach over estimates actual use. Permits have also been granted for which Proof of Completion of Work and/or Proof of Application of Water to Beneficial Use have not yet been filed. In these cases, the Certificate of Appropriation cannot exceed the permitted total duty, but when issued a certificate, could be less than the permitted duty depending on the actual quantity of water used.

2.2.2 Irrigation Rights

Because a majority of the water uses in Spring Valley are for agriculture, a comparison of the places of use of irrigation rights has been made, and is referred to in this report as an aliquot-part evaluation (a breakdown by 40-acre land subdivision). The aliquot-part evaluation helps identify and define the portion of irrigation rights that are supplemental, versus non-supplemental rights (also referred to as direct rights). Undefined supplemental rights are significant in accounting of committed water rights, as only the non-supplemental rights are considered to be continually used and thereby a commitment of water rights.

The aliquot-part evaluation of water rights as an assessment of supplemental issues has involved defining overlapping places of use by quarter-quarter section, Township, Range land subdivision (standard 40-acre land subdivision). A place of use table was prepared for all the irrigation rights identified within the basin. [Appendix A, Table A-3](#), lists the irrigation rights and their associated irrigated acreages by quarter-quarter of a section or standard 40-acre land subdivision. Once completed, the table has enabled identification of where multiple rights have irrigated acreage that exceeds the standard 40-acre area of a quarter-quarter section. If rights are thereby determined to be completely supplemental to each other, they were grouped together in the committed water rights table with the combined duty shown for all the rights.

In many cases, the sum of the place of use for permits with a common quarter-quarter exceeded 40-acres, indicating at least a portion of the irrigation rights are supplemental. In this case the sum was limited to 40-acres. If the sum was less than 40-acres and it could not be readily determined if the irrigated area was the same or overlapping, the sum was used. An exception was when there were multiple entries of identical acreages for the same quarter-quarter section, in which case it was assumed that the place of use was the same for all permits. This method will result in high estimates

of non-supplemental rights, because it assumes all acreages up to 40-acres are additive when in reality that may not be the case.

In some cases, a review of the supporting maps and terms of permits was conducted to aid in interpretation of supplemental water rights. However, in cases where vested claims are involved, supporting maps are generally not available, and an interpretation was given to maximize irrigated area. If adjudicated in the future, the place of use for the water rights and associated irrigation duties could be determined to be less.

This method of estimating committed irrigation rights provides a refined accounting for committed water rights, factoring out supplemental rights for the annual committed duty. But to some degree, the aliquot-part evaluation has the potential to over-estimate the duty of direct (non-supplemental) rights, because irrigated lands are treated as additive up to 40-acres, when in reality they could represent overlapping places of use and therefore should not be additive.

2.2.3 Stockwater Rights

Water rights used for stockwater supply are included in the abstract and committed groundwater rights accounting. Commonly, permits granted for stockwater only have a diversion rate with no total annual duty. However, most permits report the number of livestock being watered. When stock numbers are reported in State Engineer documents, the usage of 20 gallons per day (gpd) per cow and 4 gpd per sheep was assumed to determine the water right duty.

Some of the stockwater totals should be viewed as supplemental with a combined total duty, due to duplicate stock watering at different permitted water sources. Rarely are livestock in Nevada dependant on a single permitted source of water for the entire year. In refinement of committed groundwater rights, when duplicate stock numbers are described for more than one underground source, it has been assumed that these are the same stock that are being watered from the different water sources, and are therefore accounted for as supplemental. Groundwater stockwatering rights that may be supplemental to spring and stream sources have not been removed from committed groundwater rights calculation.

2.2.4 Reserved Rights

Federal Reserved rights have been filed by the U.S. Bureau of Land Management (BLM) on twenty-five (25) spring sources in Spring Valley. These rights mostly have a manner of use designated as “Other”. The U.S. Forest Service (USFS) has also filed vested right claims on twenty-two (22) spring and stream sources in Spring Valley with a designated manner of use for stockwatering. Claims by the BLM are mostly at valley floor springs, while claims by the USFS are mostly at springs in the mountainous areas above the valley floor (see [Figure 3-3](#)).



2.2.5 Domestic Wells

Domestic wells do not require a water right permit in Nevada (one well allowed per parcel with one residence served), provided domestic uses do not exceed 1,800 gpd (at 1,800 gpd for 365 days the maximum duty is 2.02 afy). On average, domestic pumping is substantially less than the maximum allowed with a portion of the pumped water returned to the groundwater system via septic systems. To make an estimate of the committed duty associated with domestic wells, the number of wells with a diameter ranging from 5 to 9 inches (typical domestic well size) as recorded in the NDWR well log database was multiplied by the duty of 0.5 afy, to account for domestic well water commitments (see [Section 2.3.3](#) for derivation of 0.5 afy duty).

2.3 Current Water Uses

Committed water rights are not necessarily equal to consumptive water use. In particular, irrigation uses are only partially consumed with a portion of the applied irrigation water returning to the groundwater system.

2.3.1 Crop Consumptive Water Use

Irrigation duties in Spring Valley are mostly 4 feet per acre (ft/acre) per year. This is a maximum allowed duty, and in practice, at some locations less than the full duty might be applied or could vary from year to year. A portion of the applied irrigation water is consumed by the crops via evapotranspiration (ET) processes, while the unconsumed portion returns to the groundwater system (secondary recharge).

The Alpine Decree established that 2.5 afy is the consumptive use portion of the water duty in the upper Carson River watershed. Actual measurements of crop ET are limited in number in Nevada. The Soil Conservation Service (SCS), now the National Resource Conservation Service, however, provides estimates of crop water consumption for most agricultural areas in Nevada (SCS, 1981). For the Ely area (elevation 6,255 feet [ft] above mean sea level), the Nevada Irrigation Guide suggests alfalfa crop water consumption in the range of 28.8 to 48.0 inches per year, using the SCS Technical Release 21 (TR-21) modified Blaney-Criddle method and the Food and Agriculture Organization of the United Nation (FAO) modified Blaney-Criddle method (Allen et al., 1998). The SCS (1981, page NV683-3) suggests that the actual crop water consumption probably lies between these values.

Pennington (1980) in a research-level comparison of crop water consumption estimating techniques for application in Nevada found that the modified FAO techniques were best suited for Nevada but consistently over-estimated actual or measured ET by an average of 13 percent. Likewise, he found that the SCS TR-21 method consistently underestimated crop ET.

Based on work by Pennington (1980) and accuracy statements in SCS (1981), the average of the two SCS (1981) reported values for alfalfa, or 38.4 inches (3.2 ft) per year, is assumed to provide a reasonable ET estimate. For improved pasture, the SCS (1981) crop water consumption ranges from 22.8 to 40.8 inches per year, with an average of 31.8 inches (2.65 ft) per year.

These estimated crop water consumption rates compare to the typical water right duty of 4 ft/acre in Spring Valley. The SCS (1981) data supports crop consumptive use in the range of 66 percent for pasture and 80 percent for alfalfa, and by difference, a secondary recharge fraction in the range of 20 percent for alfalfa to 34 percent for pasture.

Several recent water rights rulings made by the State Engineer (such as Rulings 5066, 5167, and 5491) have cited the Alpine Decree (*United States v. Alpine Land and Reservoir Co.*, 503 F. Supp. 877 (D. Nev. 1980)) (Alpine Decree, 1980) and the Civil No. D-183 BRT [D. Nev. 1980] for crop water consumption of 2.5 ft/acre per year (related to 3.5 feet per year [ft/yr] for 5 ft of duty in Southern Nevada). Under assumptions of the Alpine Decree, with an irrigation duty of 4 ft/yr in Spring Valley and a consumptive use of 2.5 ft/yr, this equates to 62.5 percent consumptive water use and 37.5 percent secondary recharge.

2.3.2 Irrigation Secondary Recharge

Deep percolation is the portion of applied irrigation water that infiltrates soils past the depth of the crops root zone. Deep percolation subsequently cannot be consumed by crops and migrates down to the water table, but can also form perched aquifer conditions. In some circumstances, tail water drains off irrigated lands (mostly applicable to flood irrigation) and is conveyed back to natural drainages or to down-gradient irrigated lands as return flow.

Deep percolation is an inevitable consequence of irrigated agriculture (Posnikoff and Knapp, 1997), due to a number of variables, including non-uniformity of applied irrigation water, variability in soil texture, and water application efficiency (Rhoades and Loveday, 1990). Deep percolation is also a necessity for sustained agriculture due to the need to flush salts out of the root zone (SCS, 1981; Hoffman, 1990). While crops consume water, the salt content of the irrigation water is left behind. If these salts are not removed from the root zone, the salt content will build up to a level that will not be tolerated by crops. The quantity of applied irrigation water that is required for deep percolation is termed the reaching fraction, and is dependent on the salinity tolerance of crops and salinity of irrigation water (SCS, 1981; Ayers and Westcot, 1985).

Research regarding quantities of deep percolation recharge for agriculture are few in Nevada, but more extensive in California. Guitjens et al., (1984) reviewed water management practices, comparing flood and sprinkler irrigation and the effects to drainage quantity and quality in Fallon, Nevada for Fielder spring wheat, Nugaines winter wheat, and Pacer alfalfa crops. Their research suggested secondary recharge ranged from 5 to 28 percent under research-controlled sprinkler irrigation, and 18 to 31 percent under research-controlled flood irrigation, using volumetric measurement methods. Deep percolation beneath irrigated fields in the Amargosa Desert in Southern Nevada (Stonestrom et al., 2003) was estimated using chloride mass balance methods to range from 8 to 16 percent for sprinkler-irrigated alfalfa and turf crops in this arid environment. A study by Posnikoff and Knapp (1997) in the San Joaquin Valley of California reports “base case” conditions with deep percolation of 38 percent in a study of the costs to implement more efficient irrigation practices to reduce deep percolation quantities.



In this technical review, it is considered that the portion of irrigation water not consumed by irrigated crops (estimated at 37.5% by difference with the consumptive use portion derived from the Alpine Decree – assuming the full irrigation duty is applied) is generally consistent with available published literature.

Furthermore, it is assumed that the unconsumed irrigation duty is available for capture and beneficial use by the SNWA pending applications.

2.3.3 Domestic Water Use and Secondary Recharge

State Engineer’s Rulings 5132 and 5429 allocated 200 gpd per person and 3.2 persons per household, based on data from Carson City, Douglas County and Lyon County, Nevada. This equates to 0.72 afy per domestic well. Secondary recharge via septic systems was further assumed in Ruling 5429 to be 200 gpd per household, or approximately 31.25 percent. The net domestic well water consumption is thereby estimated to be approximately 0.5 afy under these rulings.

2.4 Preparation of Maps

Points of diversion for Spring Valley water rights are shown on [Figures 3-2](#) and [3-3](#). A GIS dataset has been compiled for the mapping, which contains spatial location data along with permit numbers, type of water right, and other information contained in the abstract.

The points of diversion are plotted to the nearest quarter-quarter of a Section, Township, Range (40-acre land subdivision). Differentiation by major sources of water rights (stream, underground, spring) and manners of use are presented on the maps.

Additionally, the places of use for irrigated rights are plotted based on aliquot-part data. Any quarter-quarter section with irrigated land is shown, but portions of quarter-quarters of irrigated lands are not distinguished.

Some points of diversion near the basin boundaries may appear to fall slightly outside the basin boundary. However, locations are based on State Engineer’s records and basin boundaries published over time differ slightly due to topographic base map scales used in creating the boundaries. The basin boundaries shown in [Figures 3-2](#) to [3-4](#) are those that were cooperatively agreed upon by the USGS and the NDWR for water planning and management purposes in Nevada. The complete listing of Nevada’s 256 Hydrographic Areas and Sub-Areas can be found on the Nevada Division of Water Planning’s *Water Words Dictionary* website (NDWR, 2005). Some minor differences are present in boundaries published by other sources.

3.0 SUMMARY OF WATER RIGHTS

3.1 Overview

Spring Valley is situated mostly in White Pine County, with the southern end in Lincoln County (Figure 3-1). Stream and spring water sources in Spring Valley are primarily used for agriculture on the valley floor, and stockwater, with some mining and milling, domestic and other uses. Some of the larger stream and spring sources with water rights appropriations are Kalamazoo, Piermont, Garden, Bassett, Negro, Odger, McCoy, Taft, Stephens, and Cleve (Cleveland) Creeks on the eastern slope of the Schell Creek range; Spring Valley Creek and Millick Spring on the valley floor; and Dry Gulch, Shingle, Willard, Williams, Lincoln, and Murphy Creeks from the western slope of the Snake Range. Figures 3-2 and 3-3 illustrate the points of diversion for water rights in the basin. Figure 3-4 illustrates the place of use of irrigation rights.

Several streams in Spring Valley have undergone adjudication, including Bassett Creek (1938), Kalamazoo Creek (1983), Negro Creek (1949), Odgers Creek (1976), and Piermont Creek (1976). Pending adjudications exist on Cleve Creek, Long Springs, Muncy Creek, Seigal Creek and Swallow Creek.

The abstract records from NDWR include the total amount of water rights without regard to supplemental, combined, or commingled rights.

Abstract summaries (Appendix A, Tables A-1 and A-2) indicate approximately 12 percent of the water rights (by total duty) have a spring source. Approximately 152 water rights on a spring source have been filed in Spring Valley, including 25 reserved rights filed by the BLM and 16 claims of vested rights by the USFS (Appendix A, Table A-1).

Groundwater rights make up approximately 17 percent of the total water rights duty, with lake, reservoir and other surface water comprising about 1 percent. The remaining 70 percent of water rights have a stream water source. A majority of the water rights are used for irrigation purposes.

This report analyzes these groundwater rights to determine the total amount of active committed groundwater rights in the basin.

3.2 Interpretation of Supplemental Irrigation Duties

To further evaluate supplemental quantities, an aliquot-part review was undertaken to account for specific water rights duties defined in permit terms and claims of vested rights, including combined total duties defined in permit terms and not to exceed irrigation duties (ft/acre). This aliquot part

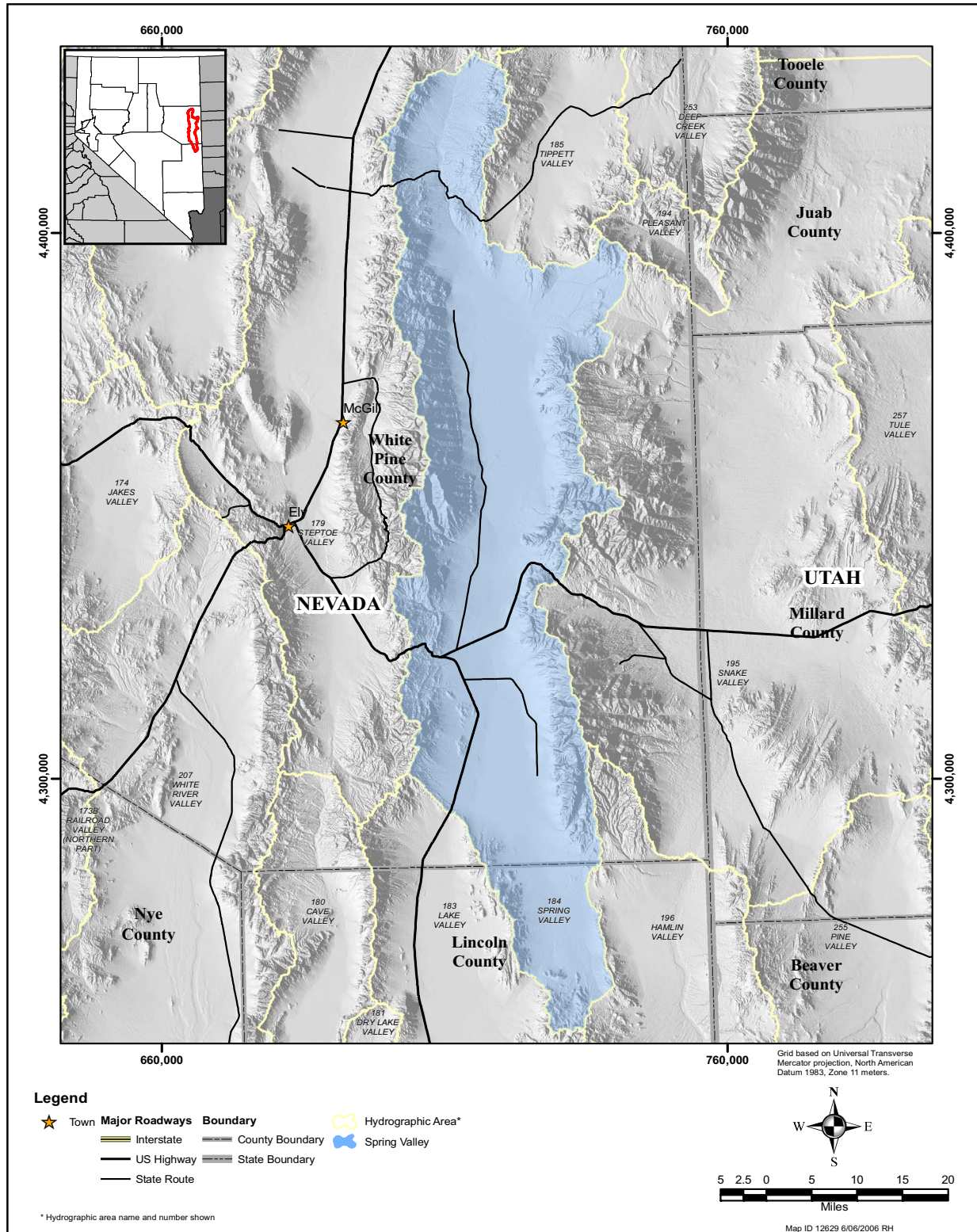


Figure 3-1
Spring Valley Vicinity Map

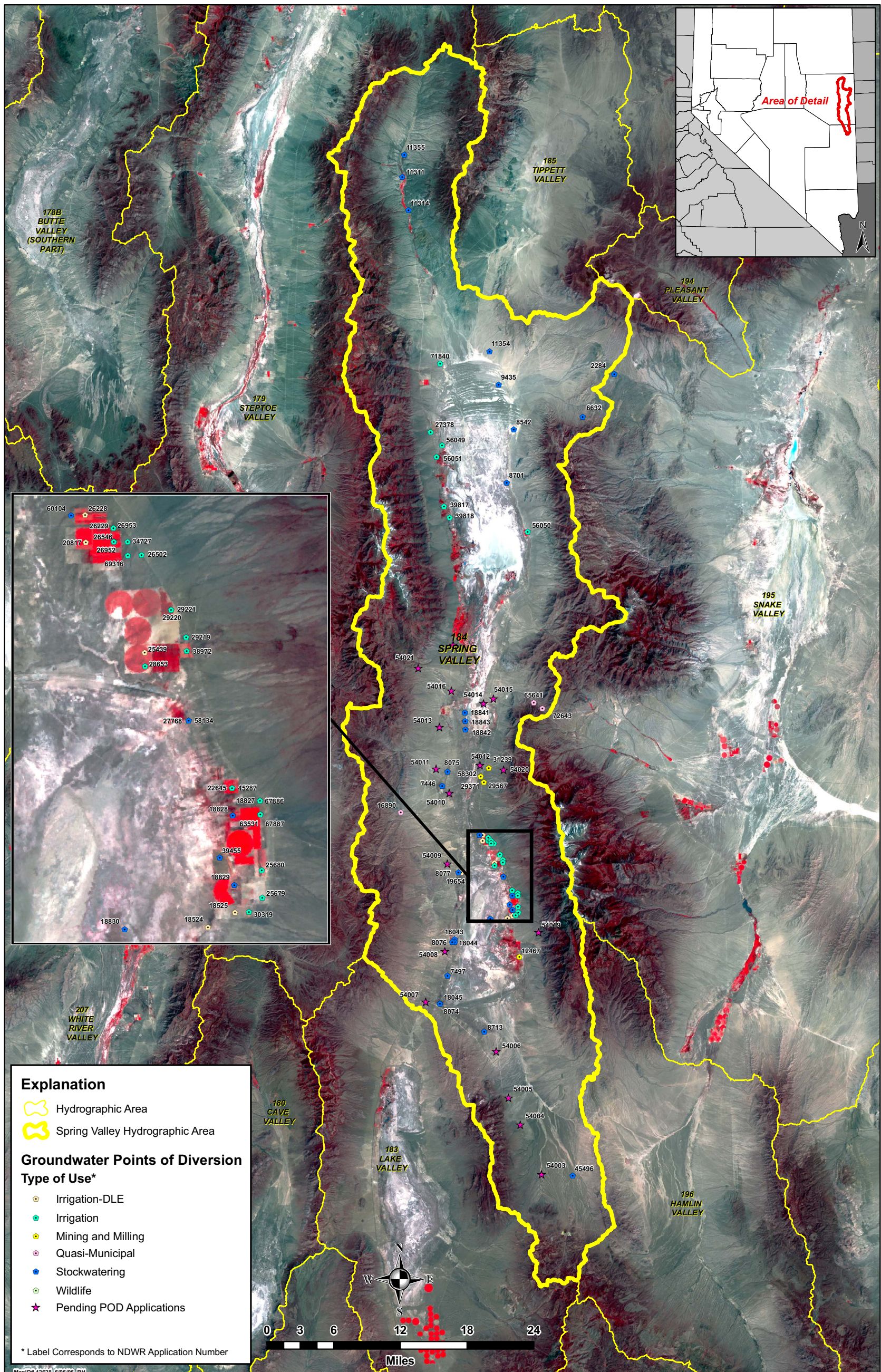


Figure 3-2
Locations of Points-of-Diversion for Water Rights With an Underground Source

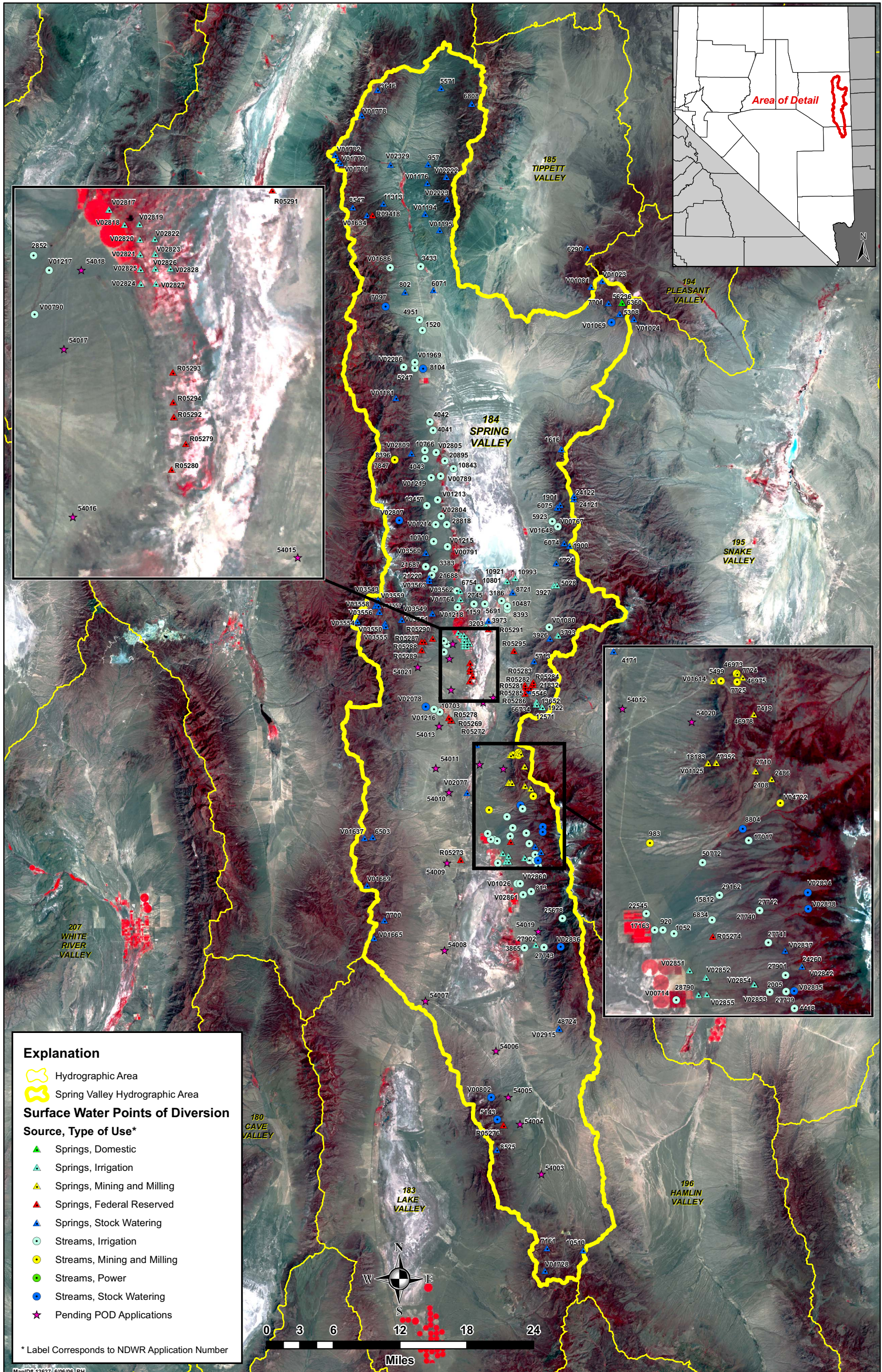


Figure 3-3
Locations of Points-of-Diversion for Water Rights With Spring and Stream Sources

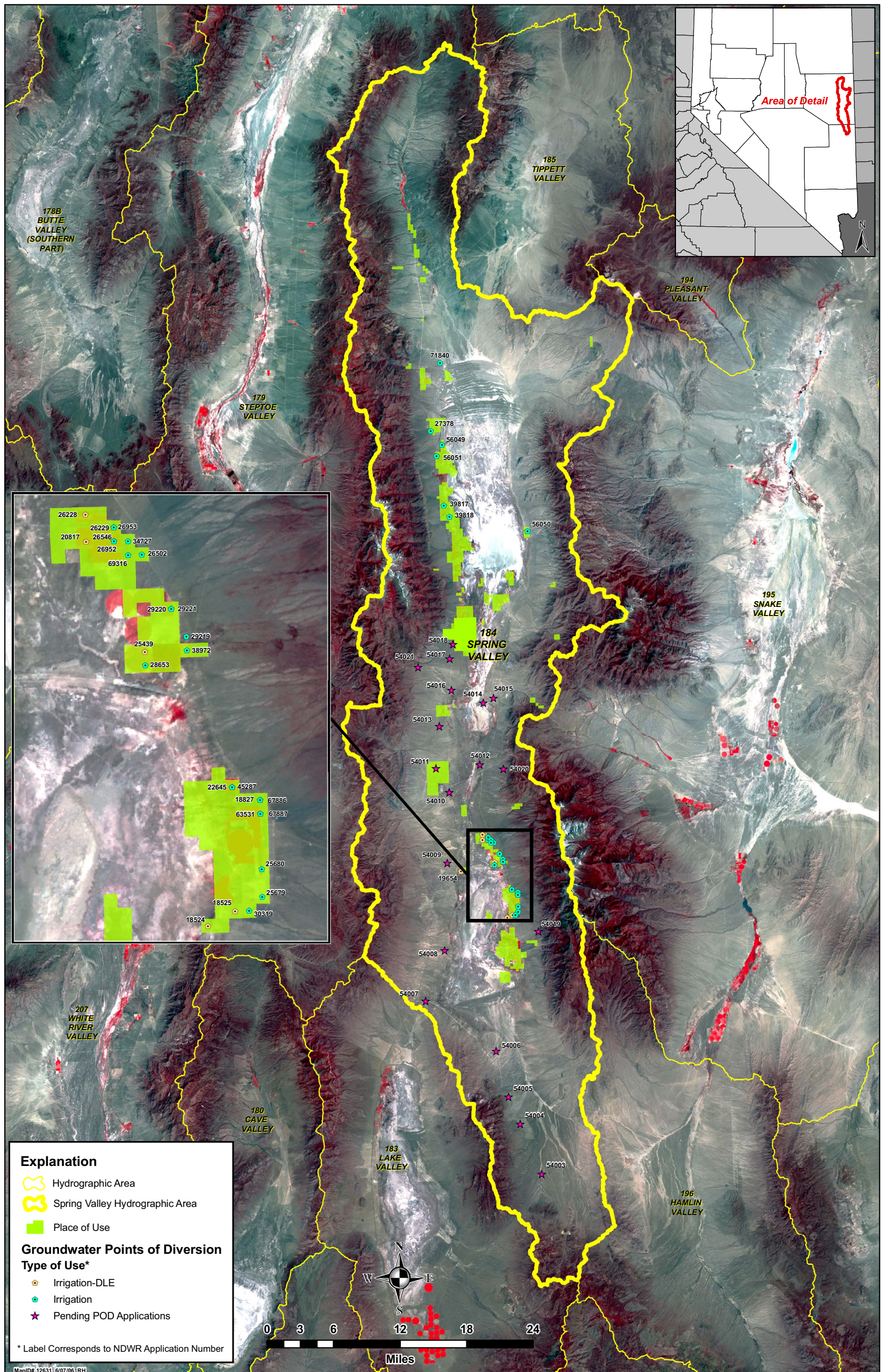


Figure 3-4
Approximate Locations of Places of Use for Irrigation Water Rights in Spring Valley

evaluation was made by source of water (underground, stream and spring) as summarized in [Appendix A, Table A-4](#).

In the aliquot-part evaluation, specific attention was given to the groundwater rights, since SNWA's pending application are for groundwater. The individual permit terms and place of use maps were examined to aid in interpretations. This assessment of the groundwater irrigation rights yielded 9,247.47 afy as direct (non-supplement) rights and 14,971.82 afy of groundwater rights that are supplemental to senior surface, spring, or other groundwater rights ([Table 3-1, Appendix A, Table A-4](#)). It is important to recognize that for 4,300 afy of these rights (about 50%) proof of beneficial use has not been filed with the State Engineer, and Certificated duties for these rights could be less than the full permitted duty.

3.3 Interpretation of Committed Groundwater Rights

Information obtained from the NDWR (May 9, 2006) website (subject to expressed qualifications) for Spring Valley indicates the following committed duties for groundwater rights:

Irrigation - Desert Land Entry	894.82 afy
Irrigation	17,344.49 afy
Mining and Milling	1,360.70 afy
Quasi-municipal	78.64 afy
Stockwater	398.80 afy
Wildlife	20.01 afy
Total	<hr/> 20,097.47 afy

These duties are reported to be supplementally adjusted, however, according to NDWR the totals may include supplemental duties as well as duties associated with applications to change. From discussions with staff at NDWR (Dillion, 2006), the web site totals are supplementally adjusted for the groundwater rights supplemental to other groundwater rights (i.e., combined duties in terms of permits) but not for portions of groundwater rights that are supplemental to stream and spring rights, as has been examined in this study by the aliquot-part method.

[Table 3-2](#) is a summary of committed groundwater rights as of May 09, 2006, as determined in this report. The total of 9,609.98 afy is significantly less than the total 20,097.47 afy reported on the NDWR web site on May 9, 2006. The differences are discussed in the following paragraphs.

3.3.1 Irrigation - Groundwater Source

Of the total groundwater irrigation rights in the basin 9,247.47 afy are interpreted as direct rights. Furthermore, it should be noted that the committed irrigation duty does not reflect actual consumptive groundwater use, which is a lesser quantity, and is discussed in [Section 2.3](#).

Table 3-1
Summary of Groundwater Irrigation Rights in Spring Valley (HA 184)
(May 9, 2006)
(Page 1 of 2)

Permit	Certificate	Supplemental NDWR Abstract	Supplemental This Study	Source	Place of Use (northern most portion)			Irr. Duty (ft)	Irr. Area (acres)	Total Irr. Duty (afy)	Portion Supplemental Duty (afy)	Portion Nonsupplemental (afy)	Notes
					26	12N	67E						
18524	6138			UG	26	12N	67E	4.00	5.28	21.15	0.00	21.15	Non-Sup
18525	6992			UG	24	12N	67E	4.00	14.46	57.84	0.00	57.84	Non-Sup
18827	7567	Y	Y	UG	13	12N	67E	4.00	448.00	1,088.67	544.33	544.34	Portion Sup to Williams Creek and Dry Creek, Max Sup = 638.84, Min Sup = 450.84 acre-feet per season (afs)
19654	6449			UG	31	13N	67E	4.00	143.96	575.83	0.00	575.83	Non-sup
20817	6777	Y	See Notes	UG	21	13N	67E	4.00	160.00	640.00	0.00	640.00	Non-sup, but part of Combined Duty NTE 3430.81 acre-feet per annum (afa) (Harbecke)
22645	8112	Y	See Notes	UG	12	12N	67E	4.00	15.00	60.00	0.00	60.00	Non-sup, Combined Duty with 45287 due to Common Place of Use
25439	9213			UG	27	13N	67E	4.00	60.00	240.00	0.00	240.00	Non-sup
25679	9295	Y	Y	UG	13	12N	67E	4.00	157.56	630.24	630.24	0.00	Sup To Lincoln Creek 25678
25680	9296	Y	Y	UG	13	12N	67E	4.00	157.56	630.24	630.24	0.00	Sup To Lincoln Creek 25678
26228	8363	Y	See Notes	UG	16	13N	67E	4.00	59.75	239.00	0.00	239.00	Non-sup, but part of Combined Duty NTE 3430.81 afa (Harbecke)
26229	8364	Y	See Notes	UG	15	13N	67E	4.00	39.42	157.68	0.00	157.68	Non-sup, but part of Combined Duty NTE 3430.81 afa (Harbecke)
26502	9300			UG	22	13N	67E	4.00	18.37	73.48	0.00	73.48	Non-sup, but Portion may be Sup to Shingle Creek Permit 920
26546	8365	Y	Y	UG	15	13N	67E	4.00	39.42	157.68	157.68	0.00	Combined Duty with 26299
26952	8366	Y	Y	UG	16	13N	67E	4.00	59.75	239.00	239.00	0.00	Total Combined Duty = 2759.76 afa
26953	8367	Y	Y	UG	16	13N	67E	4.00	59.75	239.00	239.00	0.00	Total Combined Duty = 2759.76 afa
27378	8357		Y	UG	11	19N	66E	4.00	332.29	1,266.64	1257.84	8.80	Sup to Kalamazoo, Meadow, North and Piermont Creeks
28653	10020			UG	34	13N	67E	4.00	0.30	1.20	0.00	1.20	Non-sup
29219	8875	Y	See Notes	UG	26	13N	67E	4.00	390.28	1,561.12	0.00	1,561.12	Non-sup for Accounting Purposes, Combined Duty with 29220 and 29221
29220	8876	Y	Y	UG	26	13N	67E	4.00	390.28	1,367.97	1,367.97	0.00	Combined Duty with 29219 and 29221
29221	8877	Y	Y	UG	26	13N	67E	4.00	390.28	1,049.76	1,049.76	0.00	Combined Duty with 29219 and 29220
30319	10725	Y	Y	UG	24	12N	67E	4.00	211.70	730.73	223.48	507.25	Portion Sup To Lincoln Creek, and 18525, 18827
34727	11889	Y	Y	UG	15	13N	67E	4.00	201.20	804.78	804.78	0.00	Total Combined Duty = 2759.76 afa



Table 3-1
Summary of Groundwater Irrigation Rights in Spring Valley (HA 184)
(May 9, 2006)
(Page 2 of 2)

Permit	Certificate	Supplemental NDWR Abstract	Supplemental This Study	Source	Place of Use (northern most portion)			Irr. Duty (ft)	Irr. Area (acres)	Total Irr. Duty (afy)	Portion Supplemental Duty (afy)	Portion Nonsupplemental (afy)	Notes
38972	11632		Y	UG	35	13N	67E	4.00	192.12	768.48	768.48	0.00	Sup to Spring, Pine, Ridge and Raised Creeks and Cabin, Hub Basin, and Corral Springs
39817	N/A	Y	Y	UG	18	18N	67E	4.00	300.00	1,200.00	1,200.00	0.00	Combined with 39816
39818	N/A		Y	UG	24	18N	66E	4.00	860.00	3,440.00	2,160.00	1,280.00	Portion Sup to Garden, Gordon, Mccoy and Odgers Creeks
45287	11017	Y	Y	UG	12	12N	67E	4.00	78.20	312.80	52.80	260.00	Portion Sup to 22645
56049	N/A			UG	24	19N	66E	4.00	180.00	720.00	0.00	720.00	Non-sup
56050	N/A		Y	UG	31	18N	68E	4.00	60.00	240.00	240.00	0.00	Sup to Eight Mile Creek
56051	N/A			UG	25	19N	66E	4.00	60.00	240.00	0.00	240.00	Non-sup
63531	N/A	Y	Y	UG	13	12N	67E	4.00	448.00	1,088.67	544.33	544.34	Sup to Williams and Dry Creeks, and 18827 and 30319
67886	N/A	Y	Y	UG	13	12N	67E	4.00	448.00	1,088.67	1,088.67	0.00	Sup to Williams and Dry Creeks, and 18827, 30319, 63531
67887	N/A	Y	Y	UG	13	12N	67E	4.00	448.00	1,088.67	1,088.67	0.00	Total Combined Duty = 1088.667 afs, Duty = 544.33 afs
69316	N/A	Y	Y	UG	15	13N	67E	4.00	270.00	1,080.00	408.95	671.05	Combined Duty NTE 3,430.81 afa (Non-sup = 671.05 afa)
71840	N/A		Y	UG	13	20N	66E	4.00	280.00	1,120.00	275.60	844.40	Abrogated 39816, Previously mostly Sup to N. Garden Creek, now Mostly Direct
Total									6,698.93	24,219.29	14,971.82	9,247.47	

Summary:

Total Committed UG for Irrigation Uses = 9,247.47 afy

Total Committed UG for Irrigation Reported by NDWR = 18,239.31 afy (May 9, 2006)

Difference in Committed UG for Irrigation = 8,991.84 afy

Notes:

Committed UG for Irrigation Associated with Certificated Permits = 4,947.69 afy

Committed UG for Irrigation Associated with Non-Certificated Permits = 4,299.78 afy



Table 3-2
Summary of Committed Groundwater Rights in Spring Valley (HA 184)
 (Updated May 09, 2006)

Manner of Use	Acre-Feet Annually	NDWR Reported	Notes
Irrigation ^a	9,247.47	18,239.31	Supplemental duties determined by aliquot-part analysis.
Mining and Milling	0.00	1,360.70	Assume all rights issued as “temporary” due to nature of use.
Quasi-Municipal	78.64	78.64	
Stockwatering	263.86 ^b	398.80	Supplemental duties determined based on interpretation of common stock numbers noted in other underground permits.
Wildlife	20.01	20.01	
Total^c	9,609.98	20,097.47	

Notes:

^aIrrigation totals do not account for secondary recharge.

^bUnadjusted total of underground stock water rights is 393.58 afy using numbers of stock and per head consumption (20 gpd for cattle and 4 gpd for sheep) without supplemental considerations.

^cThe difference between SNWA updated total and the current NDWR web site table is 10,487.49 afy.

3.3.2 Mining and Milling – Groundwater Source

A review of the terms of the mining and milling permits (Table 3-3) indicates that the two most recently issued permits (46790, 58302) contain the following language:

“The manner of use of water under this permit is by nature of manner of use a temporary use and any application to change the manner of use granted under this permit will be subject to additional determination and evaluation with respect to the permanent effects on existing rights and the resource within the ground water basin.” (from Permit 58302)

Four earlier issued permits (12467, 29371, 29567, 31239) do not specifically contain these terms, however, by the nature of the industry, mining operations are generally expected to have limited life times associated with the presence, extent, and economics of the ore body being mined. From a water right commitment perspective, this study assumes that no permanent duty is allocated to the mining and milling rights. Therefore, no mining and milling water rights are included in the accounting of total committed groundwater rights (Table 3-2).

3.3.3 Quasi-Municipal – Groundwater Source

No difference in committed duty is interpreted in this study (Table 3-2). Only three permits have been granted for quasi-municipal manner of use (16890, 65641, 72643). Permit 16890 represents the majority of this manner of use (72.36 afy) and is described as serving a home, service station and

**Table 3-3
Summary of Groundwater Rights for
Mining and Milling Uses in Spring Valley (HA 184)**

Permit No.	Owner of Record	Place of Use (Section(s), Township, Range) ^a			Diversion Rate (cfs)	Annual Duty (afy)	Notes
12467	Minerva Scheelite Mining Co.	12	11N	67E	0.1	72.364	Not specified as temporary manner of use.
29371	Golden Eagle Mining, Inc.	21, 22, 23, 24, 26	14N	67E	1.11	803.4	Not specified as temporary manner of use.
29567	Golden Eagle Mining, Inc.	21, 22, 23, 24, 26	14N	67E	1.11	See Notes	Not specified as temporary manner of use. Combined duty with 29371 NTE 261.789 million gallons per annum (mga).
31239	Rogers, Warren	10 - 15	14N	67E	0.49	177.43	Not specified as temporary manner of use.
46790	Huckaley, Lester Vernon	7, 8	14N	68E	0.007	5.0637	Permit terms "...by nature of its activity a temporary use..."
58302	Minel, Inc.	14, 16, 21, 22	14N	67E	6	302.44	Permit terms "...by nature of its activity a temporary use..."

^aMultiple places of use may exist.

garden in Section 5, T13N, R66E. Permit descriptions indicate that the water rights used for the other two permits are for two residences with a garden and landscaping. A portion of these rights are assumed to be non-consumptive, returning to the groundwater system via septic systems (Section 2.3.2) and irrigation secondary recharge.

3.3.4 Stockwater – Groundwater Source

Estimates of stockwater commitments from an underground source have been refined based on supplemental interpretations (apparent same livestock watering at more than one underground source point of diversion). Table 3-4 is a summary of the interpretation made for stockwater commitments. Under this interpretation the numbers of stock watered by groundwater rights are 40,400 sheep and 5,065 cattle.

3.3.5 Wildlife – Groundwater Source

Only one underground permit for wildlife uses owned by Nevada Division of Wildlife is present in Spring Valley (Permit 27768, POD in Section 2, T12N, R67E). The certificated duty is 6.52 mga,

Table 3-4
Summary of Groundwater Rights Used for Stockwatering in Spring Valley (HA 184)
 (Page 1 of 2)

Permit No.	Owner of Record	Sup.	Point of Diversion			Duty from Abstract (afy)	Duty Sup. Refined Based on Live-Stock	Livestock No. Head		Notes
			Sec.	T	R			Sheep	Cattle	
18044	Nevada Land & Resource Co., LLC	Y	6	11N	67E	1.5651	0			200 Cattle, Sup. to 18043 NW NW SEC 6, T. 11N., R. 67E.
60104	Harbecke, Robert L. and Fern A.		16	13N	67E	2.2403	2.24	500		500 Sheep NW SE SEC 16, T.13N., R.67E.
11355	Henriod, Eugene A.	Y	7	23N	66E	2.8848	0			2300 Sheep and 80 Cattle
18043	Nevada Land and Resource Co., LLC	Y	31	12N	67E	4.4806	4.48		200	200 Cattle SW SW SEC 31, T.12N., R.67E.
18828	Huntsman Ranch Limited Liability Co.	Y	13	12N	67E	4.4806	0			200 Cattle, Sup. to 18043 NE NW SEC 13, T.12N., R.67E.
18829	Huntsman Ranch Limited Liability Co.	Y	24	12N	67E	4.4806	0			200 Cattle, Sup. to 18043 SE NW SEC 24, T.12N., R.67E.
18830	Huntsman Ranch Limited Liability Co.	Y	27	12N	67E	4.4806	0			200 Cattle, Sup. to 18043 NE NW SEC 27, T.12N., R.67E.
7497	Huntsman Ranch Limited Liability Co., Kirkeby, Mary Hannah		24	11N	66E	5.3706	5.37	1,200		1,200 Sheep NE NW SEC 24, T.11N., R.66E.
2284	George Eldridge and Sons Inc.		22	20N	69E	5.6161	5.62	2,500		2,500 Sheep 4/1 - 6/1 and 9/1 - 1/1
11314	Henriod, E.A.		5	22N	66E	6.5367	6.54		500	500 Cattle 4/1 - 11/1
11311	Henriod, E.A.	Y	19	23N	66E	7.0584	7.06	2,300	80	2,300 Sheep and 80 Cattle 4/1 - 11/1
18045	Nevada Land and Resource Co., LLC	Y	35	11N	66E	7.2426	7.24		400	400 Cattle, Sup. to 18045 NW SE SEC 35, T.11N., R.66E.
58134	BLM		2	12N	67E	7.5802	7.58		305	305 Cattle; 155 Deer or 10 Antelope LOT 7, SEC 2, T.12N., R.69E.
18841	Nevada Land & Resource Co., LLC	Y	20	15N	67E	8.0405	0			400 Cattle, Sup. to 18045 NW SE SEC 20, T.15N., R.67E.
8701	George Eldridge & Son Inc.		1	18N	67E	8.9612	8.96	2,000		2,000 Sheep SW SW SEC 1, T.18N., R.67E.
18842	Nevada Land & Resource Co., LLC	Y	32	15N	67E	8.9612	0			400 Cattle, Sup. to 18045 NW NE SEC 32, T.15N., R.67E.



Table 3-4
Summary of Groundwater Rights Used for Stockwatering in Spring Valley (HA 184)
 (Page 2 of 2)

Permit No.	Owner of Record	Sup.	Point of Diversion			Duty from Abstract (afy)	Duty Sup. Refined Based on Live-Stock	Livestock No. Head		Notes
			Sec.	T	R			Sheep	Cattle	
18843	Nevada Land & Resource Co., LLC	Y	29	15N	67E	8.9612	0			400 Cattle, Sup. to 18045 SW NE SEC 29, T.15N., R.67E.
8713	Swallow, George N., Swallow, Richard M.		16	10N	67E	9.4215	9.42	600	300	600 Sheep and 300 Cattle NE NE SEC 16, T.10N., R.67E.
9435	George Eldridge & Son Inc.	Y	26	20N	67E	10.25	10.25	3,000		3,000 Sheep 3/1 - 12/1 NW NE SEC 26, T.20N., R.67E.
7446	Production Credit Corp. of Berkeley	Y	25	14N	66E	13.442	0			3,000 Sheep, Sup. to 9435 1/1 - 7/31 and 10/1 - 12/31
39455	Huntsman Ranch Limited Liability Co.		13	12N	67E	14.485	14.49		750	750 Cattle W 1/2 SW SEC 13, T.12N., R.67E.
8075	Adams McGill Company	Y	13	14N	66E	17.922	0			5,500 Sheep and 500 Cattle, Sup. to 8077 3/1 - 11/30 SE SE SEC 13, T.14N., R.66E.
8542	George Eldridge & Son Inc.		13	19N	67E	17.922	17.92	4,000		4,000 Sheep NE NE SEC 13, T.19N., R.67E.
11354	Doutre, James E., Henriod, E.A.		10	20N	67E	26.423	26.42	5,000	180	5,000 Sheep and 180 Cattle
8077	Robison, Doyle C., Robison, James F.	Y	31	13N	67E	27.006	27.01	5,500	500	5,500 Sheep and 500 Cattle, Sup. to 8077 3/1 - 11/30 SW SE SEC 31, T.13N., R.67E.
8074	Nevada Land & Resource Co., LLC	Y	35	11N	66E	27.252	0			5,500 Sheep and 500 Cattle, Sup. to 8077 3/1 - 11/30 NW SE SEC 35, T.11N., R.66E.
8076	Nevada Land & Resource Co., LLC	Y	1	11N	66E	27.252	0			5,500 Sheep and 500 Cattle, Sup. to 8077 3/1 - 11/30 NE NE SEC 1, T.11N., R.66E.
6632	George Eldridge & Son Inc.		7	19N	69E	17.032	17.03	3,800		3,800 Sheep
45496	Okelberry, Ray		23	08N	68E	86.236	86.24	10,000	1,850	1,850 Cattle and 10,000 Sheep SE NW SEC 23, T.8N., R.68E.
Total						393.58	263.86	40,400	5,065	



with no difference in totals presented in [Table 3-2](#). These rights are used for fish rearing ponds, and the consumptive water use may be less than the water right duty.

3.4 Committed Groundwater Water Resources

According to recent decisions of the Nevada State Engineer, water right duties for some manners of use do not always equal actual water consumed ([Section 2.3](#)). For example, the State Engineer has concluded that for some basins in northern Nevada irrigation duties for groundwater rights are based on a typical duty of 4 afy of water per irrigated acre, however, actual crop ET use is estimated to be 2.5 afy per acre. A portion of the applied irrigation water thus returns to the hydrologic system.

To arrive at an estimate of consumptive use associated with the irrigation rights, a consumptive use factor of 62.5 percent is applied ([Section 2.3](#)), resulting in a actual groundwater consumptive use value of approximately 5,780 afy ([Table 3-5](#)). The remaining 3,468 af is recharged to the groundwater system.

**Table 3-5
Comparison of Committed Groundwater Rights vs.
Consumptive Groundwater Uses in Spring Valley (HA 184)**

Manner of Use	Committed Water Rights (afy) ^a	Consumptive Water Use (afy)	Notes
Irrigation	9,247.47	5,779.67	Applying Alpine Decree consumptive use factor.
Mining and Milling	0.00	0	All rights assumed to be “temporary”.
Quasi-Municipal	78.64	39	Estimated one-half consumptive use.
Stockwatering	263.86	264	Supplemental refined based on interpretation of common stock in permits.
Wildlife	20.01	20	May not be entirely a consumptive use.
Domestic Well	0.00	23	Estimated based on number of well logs and a consumptive use of 0.5 afy per well.
Total	9,609.98	6,125.67	

^aValues from [Table 3-2](#).

Domestic well water uses do not require a water right permit ([Section 2.2.5](#)). Existing domestic well water use in Spring Valley can be estimated based on the number of wells in Spring Valley that are identified as being used for domestic purposes. According to the NDWR well log database, there are 16 wells in Spring Valley that have a proposed use of domestic. Using a domestic well consumption of 0.5 afy (see [Section 2.3.2](#)), the estimate of domestic water use is approximately 8.0 afy. However, based on the number of 5 to 9 inch diameter well logs, common range in diameters for a domestic well, plus the number of wells logs with no reported diameter (total equals 46 as of May 1, 2006) and

assuming that these wells are all domestic wells, the consumptive use by domestic wells is estimated at approximately 23 afy.

Quasi-municipal rights are indicated on the permit descriptions to be associated with domestic uses, gardening, landscaping and a service station. It is estimated that the actual water consumption is about one-half of the duty of these rights (39 afy of 78.64 afy permitted), with the other half returning to the groundwater system.

3.5 Pending Applications to Appropriate Water

[Table 3-6](#) presents a summary of the SNWA pending applications to appropriate water in Spring Valley. There are approximately 59 pending applications to appropriate water in Spring Valley which are junior to SNWA pending applications. Rulings made by the State Engineer in the past 2 years have denied 60 pending applications, which were senior to SNWA applications ([Table 3-7](#)). These recently denied senior applications for groundwater are discussed below.

On March 30, 1981, White Pine County filed six (6) applications to appropriate water from an underground source for the operation of a power plant. Each application requested an appropriation of 6.0 cfs with a total annual duty for all the applications of approximately 26,064.5 afy. On June 16, 1982, White Pine County filed 36 applications requesting a change in the point of diversion and place of use of the previously filed six (6) applications. The manner of use and annual duty was not changed. Each of the 36 applications requests a diversion rate of 1.0 cfs. Ruling 5615 dated May 9, 2006, denied these applications.

Silver State Land Company, LLC has five (5) irrigation applications pending, with a total annual duty of 12,800 afy (Carey Land Act filings). The State Engineer issued Ruling 5425 on September 20, 2004 denying these applications, however, at the time of this water rights review the ruling was on appeal.

Charles and Dorothy Teel filed applications for 5,120 afy associated with Desert Land Entries on August 28, 1980 and filed to change the point of diversion and place of use on August 27, 1982. Ruling 5600 dated March 30, 2006 was issued by State Engineer denying these applications.

All pending applications to appropriate groundwater are junior to the SNWA applications. A list of the applications can be found in [Appendix A, Table A-1](#).

**Table 3-6
Summary of Pending SNWA Applications in Spring Valley (HA 184)**

Application No.	Date	Status	Source	POD QQ	POD Qtr	POD Sec	POD Twn	POD Rng	Div Rate (CFS)	Type of Use	Annual Duty ^a (afy)	County
54003	10/17/1989	RFP	UG	NW	NE	20	08N	68E	6	MUN	4,344	LI
54004	10/17/1989	RFP	UG	NE	SE	25	09N	67E	6	MUN	4,344	LI
54005	10/17/1989	RFP	UG	NE	NE	14	09N	67E	6	MUN	4,344	LI
54006	10/17/1989	RFP	UG	SE	SE	22	10N	67E	6	MUN	4,344	WP
54007	10/17/1989	RFP	UG	SE	NW	34	11N	66E	6	MUN	4,344	WP
54008	10/17/1989	RFP	UG	SW	SW	1	11N	66E	6	MUN	4,344	WP
54009	10/17/1989	RFP	UG	NW	NE	36	13N	66E	6	MUN	4,344	WP
54010	10/17/1989	RFP	UG	SE	SE	25	14N	66E	6	MUN	4,344	WP
54011	10/17/1989	RFP	UG	NE	SE	14	14N	66E	6	MUN	4,344	WP
54012	10/17/1989	RFP	UG	SE	NE	16	14N	67E	6	MUN	4,344	WP
54013	10/17/1989	RFP	UG	SW	SW	25	15N	66E	6	MUN	4,344	WP
54014	10/17/1989	RFP	UG	SW	SW	15	15N	67E	6	MUN	4,344	WP
54015	10/17/1989	RFP	UG	SW	NW	14	15N	67E	6	MUN	4,344	WP
54016	10/17/1989	RFP	UG	NE	SW	7	15N	67E	6	MUN	4,344	WP
54017	10/17/1989	RFP	UG	NW	SE	25	16N	66E	6	MUN	4,344	WP
54018	10/17/1989	RFP	UG	SE	NE	24	16N	66E	6	MUN	4,344	WP
54019	10/17/1989	RFP	UG	SW	NE	32	12N	68E	10	MUN	7,240	WP
54020	10/17/1989	RFP	UG	SE	SE	14	14N	67E	10	MUN	7,240	WP
54021	10/17/1989	RFP	UG	SW	NE	33	16N	66E	10	MUN	7,240	WP
Total									126		91,224	

^aAnnual duty derived from diversion rate.



**Table 3-7
Summary of Recently Denied Underground Applications
in Spring Valley (HA 184) That Were Senior to SNWA Applications**

Application No.	Date Filed	Owner of Record	Duty (afy)	Notes
32030 - 32032, 32035 & 32036 (Denied)	6/13/1977	Silver State Land Co.	12,800	Carey Act Filings – Recently Denied by Ruling 5425 dated 9/20/2004.
46099 - 46102 (Denied)	8/27/1982 (base filings 8/28/1980)	Teel, Charles and Dorothy	5,120 (possibly ½ this quantity due to base applications)	Desert Land Entries, ready for action since 2/17/1983. Recently denied by Ruling 5600 dated 3/30/2006.
43434 - 43439, 45798 - 45833 (Denied)	6/16/1982 (base filings 3/30/1981)	White Pine Co.	26,064.5 (36 cfs total, each base application for 6 cfs)	Industrial manner of use. Recently denied by Ruling 5615 date 5/09/2006.

Note: Fifty-nine (59) Applications to appropriate UG filed since SNWA filings, including filings by Vidler, White Pine Co., and Lincoln Co.-Vidler (change applications of 4 industrial applications filed in 1981).

4.0 SUMMARY AND CONCLUSIONS

The SNWA has conducted an evaluation of water rights in Spring Valley (HA 184). This evaluation includes a review of water right documents at the State Engineer’s office, a compilation of an expanded abstract of water rights in the basin, an aliquot-part evaluation of irrigation water rights to aid in defining supplemental duties, and a review of consumptive water use associated with the presently committed water rights.

Comparatively smaller amounts of water rights have been granted for mining and milling, stockwater, quasi-municipal, wildlife, and domestic uses.

Factoring into consideration the consumptive use portion of the committed groundwater rights in Spring Valley, the committed water right duty of approximately 9,610 afy is reduced to a consumptive water use commitment of 6,126 afy (see [Table 3-5](#)). The consumptive use portion of irrigation rights is determined based on 62.5 percent crop use and 37.5 percent secondary recharge (2.5 ft of the typical 4.0 duty consumed by the crops). These values are derived from the Alpine Decree, as applied by the State Engineer in recent rulings.

Mining and milling water rights are assumed to be temporary uses, and not permanent commitments, although this is specifically stated in the terms of only the two most recently issued permits. Minor adjustments for unaccounted domestic well water consumption and associated septic system secondary recharges are also incorporated into the consumptive use groundwater commitment total.

A comparison of data from the NDWR website and the analysis presented in this report is shown in [Table 4-1](#).

**Table 4-1
Summary of NDWR and SNWA Groundwater Water Rights and Consumptive Duties**

Manner	NDWR	Committed	Consumptive	Comments
Irrigation	18,239.31	9,247.47	5,779.67	Applying Alpine Decree consumptive use factor.
Mining and Milling	1,360.70	0	0	All rights assumed to be “temporary”.
Quasi-Municipal (QM)	78.64	78.64	39	Estimated one-half consumptive use.
Stockwatering	398.80	263.86	264	Supplemental refined based on interpretation of common stock in permits.
Wildlife	20.01	20.01	20	May not be entirely a consumptive use.
Domestic	0	0	23	Estimated based on number of well logs and a consumptive use of 0.5 afy per well.
Total	20,097.47	9,609.98	6,125.67	



This Page Intentionally Left Blank

5.0 REFERENCES

- “Alpine Decree, Findings of Fact, Conclusions of Law, Tabulation and Administrative Provisions,” *United States of America v. Alpine Land & Reservoir Company, a Corporation, et al.*, Civil No. D-183 BRT [Bruce R. Thompson], Final Decree, United States Federal District Court for the District of Nevada, October 28, 1980.
- Allen, R.G., Pereira, L.S., Raes, D., Smith, M., 1998, Crop Evapotranspiration – Guidelines for Computing Crop Water Requirements; FAO Irrigation and Drainage Paper No. 56, Food and Agriculture Organization of the United Nations, Rome.
- Ayers, R.S. and Westcot, D.W., 1985, Water Quality for Agriculture. Irrigation and Drainage Paper No. 29, Food and Agriculture Organization (FAO) of the United Nations, Rome, p. 13-29.
- Dillon, M., 2006, Personal communication to Dwight Smith (Interflow Hydrology, Inc.) regarding supplemental water rights, 11 April, Carson City, NV.
- Guitjens, J.C., Tsui, P-S, Thran, D.F., 1984, Quantity and Quality Variations in Subsurface Drainage; Transactions of the American Society of Agricultural Engineers (ASAE), Vol. 27, No. 2, pp. 425-428.
- Hoffman, G.J., 1990, Leaching Fraction and Root Zone Salinity Control; In Tanji, K.K. (ed.), Agricultural Salinity Assessment and Management Manual; ASCE Manuals and Reports on Engr. Practice No. 71, p. 237-261.
- Katzer, T., and Donovan, D., 2003, Surface-Water Resources and Basin Water Budget for Spring Valley, White Pine and Lincoln Counties, Nevada; prepared for the Las Vegas Valley Water District, p. 71.
- NDWR, see Nevada Division of Water Resources.
- Nevada Department of Conservation and Natural Resources, Division of Water Planning, 1995, First Draft, Guiding Principles, Policies and Issues, 45 p.
- Nevada Division of Water Resources, 1972, Water for Nevada, Nevada’s Water Resources, p. 87.
- Nevada Division of Water Resources, 1996, Water Words Dictionary, A Compilation of Technical Water, Water Quality, Environmental, and Water-related Terms, Seventh Edition, Division of Water Planning.



Nevada Division of Water Resources, 2004-2006, miscellaneous water right documents and files inspected in the Carson City office during April 2004 to May 2005.

Nevada Division of Water Resources, 2005, Nevada Division of Water Planning's, Water Words Dictionary, Dictionary as accessed at <http://water.nv.gov/Water%20planning/dict-1/ww-index.htm> during 2005 to 2006.

Nevada Division of Water Resources, 2006, Preliminary Hydrographic Basin Summaries and Water Rights information as accessed at <http://water.nv.gov>.

Pennington, R.W., 1980, Evaluation of Empirical Methods for Estimating Crop Water Consumptive Use for Selected Sites in Nevada; NDWR, Division of Water Planning Information Series – Water Planning Report No. 3.

Posnikoff, J.F., and Knapp, K.C., 1977, Farm-Level Management of Deep Percolation Emissions in Irrigated Agriculture; Journal of the American Water Resources Association, Vol. 33, No. 2, pp. 375-386.

Rhoades, J.D., and Loveday, J., 1990, Salinity in Irrigated Agriculture; In Stewart, B.A., and Nielson, D.R., (co-ed.), 1990, Irrigation of Agricultural Crops; Agronomy Monograph No. 30, ASA-CSSA-SSSA, Madison, WI, p. 1089-1137.

Rush, F.E., and Kazmi, S.A.T., 1965, Water Resources Appraisal of Spring Valley, White Pine and Lincoln Counties, Nevada; USGS-NDWR Water Resources Reconnaissance Series Report No. 33, p. 36.

SCS, Soil Conservation Service, see U.S. Department of Agriculture.

SNWA, see Southern Nevada Water Authority.

Southern Nevada Water Authority, 2006, Water Resources Assessment for Spring Valley, Las Vegas, NV.

Stonestrom, D.A, Prudic, D.E., Laczniak, R.J., Akstin, K.C., Boyd, R.A., and Henkelman, K.K., 2003, Estimates of Deep Percolation Beneath Native Vegetation, Irrigated Fields, and the Amargosa-River Channel, Amargosa Desert, Nye County, Nevada; USGS Open-File Report 03-104, p. 83.

U.S. Department of Agriculture, Soil Conservation Service (SCS), 1981, Nevada Irrigation Guide; SCS Reno, NV office, Publication No. NV210-VI-NVIG.

Appendix A
Water Rights Abstracts and Aliquot-Part Tables

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-1
 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006
 (Page 1 of 11)

Basin	App	Change of App.	Cert	File Date	Status	Source	POD QQ	POD Qtr	POD Sec	POD Twn	POD Ring	Div Rate (cfs)	Type of Use	Sup	Irrigated Acres	Annual Duty	Units	County	Owner of Record	
184	2284		96	12/12/1911	CER	UG	SW	NW	2	19N	69E	0.025	STK		0	1.83	MGS	WP	GEORGE ELDRIDGE AND SONS INC.	
184	6632		1378	2/17/1922	CER	UG	NW	NW	7	20N	69E	0.024	STK		0	5.55	MGA	WP	GEORGE ELDRIDGE & SON INC.	
184	7446		1515	7/22/1925	CER	UG	NE	NW	25	14N	66E	0.019	STK		0	4.38	MGA	WP	PRODUCTION CREDIT CORP. OF BERKELEY	
184	7497		1618	9/8/1925	CER	UG	NE	NW	24	11N	66E	0.007	STK		0	1.75	MGA	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.	
184	8074		1366	4/1/1927	CER	UG	NW	SE	35	11N	66E	0.05	STK		0	8.77	MGS	WP	NEVADA LAND & RESOURCE CO LLC	
184	8075		1365	4/1/1927	CER	UG	SE	SE	13	14N	66E	0.05	STK		0	5.84	MGS	WP	ADAMS MCGILL COMPANY	
184	8076		1367	4/1/1927	CER	UG	NE	NE	1	11N	66E	0.05	STK		0	8.88	MGS	WP	NEVADA LAND & RESOURCE CO LLC	
184	8077		1368	4/1/1927	CER	UG	SW	SE	31	13N	67E	0.05	STK		0	8.8	MGS	WP	ROBISON, DOYLE C.	
184	8542		1720	5/22/1928	CER	UG	NE	NE	13	19N	67E	0.025	STK		0	5.84	MGA	WP	GEORGE ELDRIDGE & SON INC.	
184	8701		2626	9/20/1928	CER	UG	SW	SW	1	18N	67E	0.012	STK		0	2.92	MGA	WP	GEORGE ELDRIDGE & SON INC.	
184	8713		2410	10/6/1928	CER	UG	NE	NE	16	10N	67E	0.013	STK		0	3.07	MGA	WP	SWALLOW, GEORGE N.	
184	9435		2473	4/6/1931	CER	UG	NW	NE	26	20N	67E	0.019	STK		0	3.34	MGS	WP	GEORGE ELDRIDGE & SON INC.	
184	11311		3125	6/9/1945	CER	UG	SW	SE	19	23N	66E	0.017	STK		0	2.3	MGS	WP	INTERMOUNTAIN RANCHES, LTD	
184	11314		3138	6/16/1945	CER	UG	SW	SW	5	22N	66E	0.016	STK		0	2.13	MGS	WP	INTERMOUNTAIN RANCHES, LTD	
184	11354		3127	8/11/1945	CER	UG	NE	NE	10	20N	67E	0.04	STK		0	8.61	MGA	WP	DOULTRE, JAMES E.	
184	11355		3075	8/11/1945	CER	UG	SE	SE	7	23N	66E	0.004	STK		0	0.94	MGA	WP	HENRIOD, EUGENE A.	
184	12467		3702	5/27/1948	CER	UG	NE	SE	12	11N	67E	0.1	MM		0	23.58	MGA	WP	MINERVA SCHEELITE MINING CO.	
184	16890		4672	3/29/1956	CER	UG	SW	NE	5	13N	66E	0.1	QM		0	23.58	MGA	WP	PIERCE, L.L.	
184	18043		5490	6/8/1959	CER	UG	SW	SW	31	12N	67E	0.0062	STK		0	1.46	MGA	WP	NEVADA LAND & RESOURCE CO LLC	
184	18044		5672	6/8/1959	CER	UG	NW	NW	6	11N	67E	0.0062	STK		0	1.46	MGA	WP	NEVADA LAND & RESOURCE CO LLC	
184	18045		5491	6/8/1959	CER	UG	NW	SE	35	11N	66E	0.01	STK		0	2.92	MGA	WP	NEVADA LAND & RESOURCE CO LLC	
184	18524		6138	1/18/1960	CER	UG	NE	NE	26	12N	67E	1.002	IRD		5.28	21.15	AFS	WP	PHILLIPS, ANITA D.	
184	18525		6992	1/18/1960	CER	UG	SE	SW	24	12N	67E	2.12	IRD		14.46	57.84	AFS	WP	PHILLIPS, ANITA D.	
184	18827	CHANGED BY:	7567	5/11/1960	CER	UG	SE	SE	12	12N	67E	1.5	IRR	Y	448	544.33	AFS	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.	
184	18827		63531		PER	UG								Y						
184	18828		5492	5/11/1960	CER	UG	NE	NW	13	12N	67E	0.006	STK		0	1.46	MGA	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.	
184	18829		5493	5/11/1960	CER	UG	SE	NW	24	12N	67E	0.006	STK		0	1.46	MGA	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.	
184	18830		5494	5/11/1960	CER	UG	NE	NW	27	12N	67E	0.006	STK		0	1.46	MGA	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.	
184	18841		5673	5/13/1960	CER	UG	UG	NW	SE	20	15N	67E	0.0111	STK		0	2.92	MGA	WP	NEVADA LAND & RESOURCE CO LLC
184	18842		5674	5/13/1960	CER	UG	UG	NW	NE	32	15N	67E	0.0125	STK		0	2.92	MGA	WP	NEVADA LAND & RESOURCE CO LLC
184	18843		5675	5/13/1960	CER	UG	SW	NE	29	15N	67E	0.0125	STK		0	2.92	MGA	WP	NEVADA LAND & RESOURCE CO LLC	
184	19654		6449	3/9/1961	CER	UG	SE	SE	31	13N	67E	2.45	IRD		143.96	575.83	AFA	WP	RHODES, URSEL C.	
184	20817		6777	10/29/1962	CER	UG	NE	NE	21	13N	67E	3.5	IRD	Y	160	640	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST	
184	22645		8112	6/16/1965	CER	UG	NE	SW	12	12N	67E	0.61	IRR	Y	15	60	AFA	WP	BRANSFORD, ROBERT M.	
184	25439	22017	9213	1/19/1970	CER	UG	NE	NE	34	13N	67E	1.3	IRD		60	240	AFA	WP	RHODES, URSEL C.	
184	25679		9295	6/24/1970	CER	UG	NE	SE	24	12N	67E	1.36	IRR	Y	157.56	630.24	AFA	WP	PHILLIPS, ANITA D.	
184	25680		9296	6/24/1970	CER	UG	NE	NE	24	12N	67E	1.58	IRR	Y	157.56	630.24	AFA	WP	PHILLIPS, ANITA D.	
184	26228		8363	7/26/1971	CER	UG	NE	SE	16	13N	67E	0.891	IRD	Y	59.75	239	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST	
184	26229		8364	7/26/1971	CER	UG	SE	SW	15	13N	67E	1.504	IRD	Y	39.42	157.68	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST	
184	26502		9300	1/25/1972	CER	UG	SE	NE	22	13N	67E	0.27	IRR	Y	18.37	73.48	AFA	WP	RASMUSSEN, JAMES B.	
184	26546	22544	8365	2/10/1972	CER	UG	NE	NW	22	13N	67E	2.68	IRR	Y	39.42	157.68	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST	
184	26952		8366	9/7/1972	CER	UG	NE	NW	22	13N	67E	2.5	IRR	Y	59.75	239	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST	
184	26953		8367	9/7/1972	CER	UG	SE	SW	15	13N	67E	1.504	IRR	Y	59.75	239	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST	
184	27378		8367	3/28/1973	CER	UG	NE	NW	14	19N	66E	1.75	IRR	Y	332.29	1266.64	AFA	WP	NEVADA LAND & RESOURCE CO LLC	
184	27768		8979	9/19/1973	CER	UG	SW	NE	2	12N	67E	0.027	WLD		0	6.52	MGA	WP	WILDLIFE DIVISION-NEVADA	
184	28653		10020	9/9/1974	CER	UG	SE	NE	34	13N	67E	0.027	IRR	Y	0.3	1.2	AFA	WP	SWALLOW, RICHARD M.	



Table A-1
 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006
 (Page 2 of 11)

Basin	App	Change of App.	Cert	File Date	Status	Source	POD Qq	POD Ctr	POD Sec	POD Twn	POD Ring	Div Rate (cfs)	Type of Use	Sup	Irrigated Acres	Annual Duty	Units	County	Owner of Record	
184	28653	CHANGED BY: 51565	51565		DEN	UG														
184	29219	24898	8875	2/13/1975	CER	UG	SW	SE	26	13N	67E	2.34	IRR	Y	390.28	1561.12	AFA	WP	CACHE VALLEY SYNDICATE TRUST	
184	29219	CHANGED BY: 51566	51566		DEN	UG								Y						
184	29220	24899	8876	2/13/1975	CER	UG	SE	NW	26	13N	67E	1.89	IRR	Y	390.28	1367.97	AFA	WP	CACHE VALLEY SYNDICATE TRUST	
184	29220	CHANGED BY: 35632	35632		DEN	UG								Y						
184	29220	CHANGED BY: 51567	89087		RFP	UG								Y						
184	29221	24900	8877	2/13/1975	CER	UG	SE	NW	26	13N	67E	1.45	IRR	Y	390.28	1049.76	AFA	WP	CACHE VALLEY SYNDICATE TRUST	
184	29221	CHANGED BY: 35633	35633		DEN	UG								Y						
184	29221	CHANGED BY: 51564	51564		DEN	UG								Y						
184	29221	CHANGED BY: 69088	69088		RFP	UG								Y						
184	29371		10328	5/6/1975	CER	UG	SW	SW	22	14N	67E	1.11	MM	Y	0	261.79	MGA	WP	GOLDEN EAGLE MINING, INC.	
184	29567		10329	8/8/1975	CER	UG	SW	SW	22	14N	67E	1.11	MM	Y	0	228.07	MGS	WP	GOLDEN EAGLE MINING, INC.	
184	30319		10725	6/8/1976	CER	UG	SW	SE	24	12N	67E	1.34	IRR	Y	211.7	730.73	AFS	WP	PHILLIPS, ANITA D.	
184	31239		10334	3/25/1977	CER	UG	NW	SE	15	14N	67E	0.49	MM	Y	0	57.816	MGA	WP	MITCHELL, RICHARD	
184	32030			6/13/1977	RFA	UG	NW	NE	14	14N	66E	10.2	IRC	Y	640	2560	AFA	WP	SILVER STATE LAND COMPANY, LLC	
184	32031			6/13/1977	RFA	UG	NW	NE	23	14N	66E	10.2	IRC	Y	640	2560	AFA	WP	SILVER STATE LAND COMPANY, LLC	
184	32032			6/13/1977	RFA	UG	NW	NE	24	14N	66E	10.2	IRC	Y	640	2560	AFA	WP	SILVER STATE LAND COMPANY, LLC	
184	32035			6/13/1977	RFA	UG	NW	NE	13	14N	66E	10.2	IRC	Y	640	2560	AFA	WP	SILVER STATE LAND COMPANY, LLC	
184	32036			6/13/1977	RFA	UG	NW	NE	26	14N	66E	10.2	IRC	Y	640	2560	AFA	WP	SILVER STATE LAND COMPANY, LLC	
184	34727		11889	12/12/1977	CER	UG	NW	NE	22	13N	67E	0.66	IRR	Y	201.19	804.78	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST	
184	38972		11632	9/7/1979	CER	UG	NW	NE	35	12N	67E	1.75	IRR	Y	192.12	768.48	AFA	WP	EL TEJON CATTLE COMPANY	
184	39455		10441	11/1/1979	CER	UG	SW	SW	13	12N	67E	0.02	STK	Y	0	4.72	MGA	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.	
184	39817			11/23/1979	PER	UG	SE	SW	13	18N	66E	5	IRR	Y	360	1200	AFA	WP	GEO. ELDRIDGE AND SON INC.	
184	39817	CHANGED BY: 56050	56050		PER	UG								Y						
184	39818			11/23/1979	PER	UG	SE	SE	24	18N	66E	5	IRR	Y	760	3440	AFA	WP	GEO. ELDRIDGE AND SON INC.	
184	39818	CHANGED BY: 56051	56051		PER	UG								Y						
184	43434			3/30/1981	RFA	UG	NE	NE	1	14N	66E	0	IND	Y	0	4343.82	AFA	WP	WHITE PINE COUNTY	
184	43434	CHANGED BY: 45798	45798		RFA	UG								Y						
184	43434	CHANGED BY: 45799	45799		RFA	UG								Y						
184	43434	CHANGED BY: 45800	45800		RFA	UG								Y						
184	43434	CHANGED BY: 45801	45801		RFA	UG								Y						
184	43434	CHANGED BY: 45802	45802		RFA	UG								Y						
184	43434	CHANGED BY: 45803	45803		RFA	UG								Y						
184	43434	CHANGED BY: 70373	70373		WDR	UG	NE	NE	2	14N	66E	0	IND	Y	0	4343.82	AFA	WP	WHITE PINE COUNTY	
184	43435	CHANGED BY: 45804	45804		RFA	UG								Y						
184	43435	CHANGED BY: 45805	45805		RFA	UG								Y						
184	43435	CHANGED BY: 45806	45806		RFA	UG								Y						
184	43435	CHANGED BY: 45807	45807		RFA	UG								Y						
184	43435	CHANGED BY: 45808	45808		RFA	UG								Y						
184	43435	CHANGED BY: 45809	45809		RFA	UG								Y						
184	43435	CHANGED BY: 70374	70374		WDR	UG								Y						
184	43436			3/30/1981	RFA	UG	NE	NE	11	14N	66E	0	IND	Y	0	4343.82	AFA	WP	WHITE PINE COUNTY	
184	43436	CHANGED BY: 45810	45810		RFA	UG								Y						
184	43436	CHANGED BY: 45811	45811		RFA	UG								Y						
184	43436	CHANGED BY: 45812	45812		RFA	UG								Y						

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-1
 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006
 (Page 3 of 11)

Basin	App	Change of App.	Cert	File Date	Status	Source	POD QQ	POD Ctr	POD Sec	POD Twn	POD Ring	Div Rate (cfs)	Type of Use	Sup	Irrigated Acres	Annual Duty	Units	County	Owner of Record	
184	43436	CHANGED BY:	45813		RFA	UG														
184	43436	CHANGED BY:	45814		RFA	UG														
184	43436	CHANGED BY:	45815		RFA	UG														
184	43436	CHANGED BY:	70375		WDR	UG														
184	43437			3/30/1981	RFA	UG	NE	NE	12	14N	66E	0	IND		0	4343.82	AFA	WP	WHITE PINE COUNTY	
184	43437	CHANGED BY:	45816		RFA	UG														
184	43437	CHANGED BY:	45817		RFA	UG														
184	43437	CHANGED BY:	45818		RFA	UG														
184	43437	CHANGED BY:	45819		RFA	UG														
184	43437	CHANGED BY:	45820		RFA	UG														
184	43437	CHANGED BY:	45821		RFA	UG														
184	43437	CHANGED BY:	70376		WDR	UG														
184	43438			3/30/1981	RFA	UG	NE	NE	13	14N	66E	0	IND		0	4343.82	AFA	WP	WHITE PINE COUNTY	
184	43438	CHANGED BY:	45822		RFA	UG														
184	43438	CHANGED BY:	45823		RFA	UG														
184	43438	CHANGED BY:	45824		RFA	UG														
184	43438	CHANGED BY:	45825		RFA	UG														
184	43438	CHANGED BY:	45826		RFA	UG														
184	43438	CHANGED BY:	45827		RFA	UG														
184	43439			3/30/1981	RFA	UG	NE	NE	14	14N	66E	6	IND		0	4343.82	AFA	WP	WHITE PINE COUNTY	
184	43439	CHANGED BY:	45828		RFA	UG														
184	43439	CHANGED BY:	45829		RFA	UG														
184	43439	CHANGED BY:	45830		RFA	UG														
184	43439	CHANGED BY:	45831		RFA	UG														
184	43439	CHANGED BY:	45832		RFA	UG														
184	43439	CHANGED BY:	45833		RFA	UG														
184	45287	29907	11017	2/5/1982	CFR	UG	NE	SW	12	12N	67E	1.35	IRR	Y	78.2	312.8	AFA	WP	BRANSFORD, ROBERT M.	
184	45496		11965	4/2/1982	CFR	UG	SE	NW	23	08N	68E	0.12	STK		0	28.1	MGA	LI	OKELBERRY, RAY	
184	45798	43434		6/16/1982	RFA	UG	SW	NE	36	17N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45799	43434		6/16/1982	RFA	UG	UG	LT03	1	16N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45800	43434		6/16/1982	RFA	UG	SE	SE	2	16N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45801	43434		6/16/1982	RFA	UG	NW	SE	11	16N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45802	43434		6/16/1982	RFA	UG	NE	SW	14	16N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45803	43434		6/16/1982	RFA	UG	NW	SW	23	16N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45804	43435		6/16/1982	RFA	UG	SE	SE	34	16N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45805	43435		6/16/1982	RFA	UG	NE	SE	2	15N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45806	43435		6/16/1982	RFA	UG	SW	SE	11	15N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45807	43435		6/16/1982	RFA	UG	SW	SE	14	15N	67E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45808	43435		6/16/1982	RFA	UG	NE	NE	35	16N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45809	43435		6/16/1982	RFA	UG	SE	SE	35	16N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45810	43436		6/16/1982	RFA	UG	SE	SE	35	15N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45811	43436		6/16/1982	RFA	UG	SE	SE	2	14N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45812	43436		6/16/1982	RFA	UG	SE	SE	14	14N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45813	43436		6/16/1982	RFA	UG	SE	SE	14	14N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45814	43436		6/16/1982	RFA	UG	SE	SW	23	14N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45815	43436		6/16/1982	RFA	UG	SW	SW	26	14N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	
184	45816	43437		6/16/1982	RFA	UG	SE	SW	1	15N	66E	1	IND		0	0	*	WP	WHITE PINE COUNTY	



Table A-1 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006 (Page 4 of 11)

Table with columns: Basin, App, Change of App., Cert, File Date, Status, Source, POD QQ, POD Ctr, POD Sec, POD Twn, POD Ring, Div Rate (cfs), Type of Use, Sup, Irrigated Acres, Annual Duty, Units, County, Owner of Record. Rows list various water rights with their respective details.

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-1
NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006
 (Page 5 of 11)

Basin	App	Change of App.	Cert	File Date	Status	Source	POD Qq	POD Ctr	POD Sec	POD Twn	POD Ring	Div Rate (cfs)	Type of Use	Sup	Irrigated Acres	Annual Duty	Units	County	Owner of Record	
184	63531	18827		10/24/1997	PER	UG	NE	NE	13	12N	67E	1.5	IRR	Y	0	544.33	AFS	WP	HUNTSMAN RANCH L.L.C.	
184	63531	CHANGED BY: 71526			RFA	UG								Y						HUNTSMAN RANCH L.L.C.
184	63532			10/24/1997	RFP	UG	SE	NE	13	12N	67E	1.7	IRR		500	1230.75	AFA	WP	HUNTSMAN RANCH L.L.C.	
184	63533			10/24/1997	RFP	UG	NE	SE	13	12N	67E	1.7	IRR		500	1230.75	AFA	WP	HUNTSMAN RANCH L.L.C.	
184	64682			12/11/1998	RFP	UG	SE	NE	9	08N	68E	10	IRR		1280	5210	AFA	LI	LINCOLN COUNTY WATER DISTRICT	
184	64683			12/11/1998	RFP	UG	NE	SW	3	09N	68E	10	IRR		1280	5210	AFA	LI	LINCOLN COUNTY WATER DISTRICT	
184	65328			7/23/1999	RFP	UG	NE	SW	5	13N	67E	1.768	IRD		320	1280	AFA	WP	BOWLER, KENDLE	
184	65430			8/18/1999	RFP	UG	NE	NW	12	09N	67E	1.777	IRD		320	1280	AFA	LI	TEEPLES, LISA	
184	65431			8/18/1999	RFP	UG	NW	NE	2	09N	67E	1.77	IRD		320	1280	AFA	LI	LAKE, TRISTA	
184	65432			8/18/1999	RFP	UG	SW	NW	1	09N	67E	1.77	IRD		320	1280	AFA	LI	DUNN, JASON	
184	65433			8/18/1999	RFP	UG	SW	NE	1	09N	67E	1.77	IRD		320	1280	AFA	LI	DUNN, HEIDI	
184	65434			8/18/1999	RFP	UG	SE	SW	36	10N	67E	1.77	IRD		320	1280	AFA	WP	HUMPHRIES, AMBER	
184	65435			8/18/1999	RFP	UG	SE	SE	2	09N	67E	1.77	IRD		320	1280	AFA	LI	TEEPLES, JEREMY K.	
184	65436			8/18/1999	RFP	UG	SE	NE	4	10N	67E	0	IRD		320	1280	AFA	WP	HANBERG, TRAVIS	
184	65437			8/18/1999	APP	UG	SE	NE	16	10N	67E	0	IRD		320	1280	AFA	WP	JONES, RULON C.	
184	65438			8/18/1999	RFP	UG	SE	NW	3	10N	67E	0	IRD		320	1280	AFA	WP	BOWLER, ROBIN L.	
184	65439			8/18/1999	RFP	UG	SE	NW	15	10N	67E	0	IRD		320	1280	AFA	WP	JONES, SHIRLEY T.	
184	65440			8/18/1999	RFP	UG	SW	NE	8	10N	67E	0	IRD		320	1280	AFA	WP	JONES, GARRIK	
184	65441			8/18/1999	RFP	UG	SW	NW	10	10N	67E	0	IRD		320	1280	AFA	WP	JONES, LYNIC	
184	65442			8/18/1999	RFP	UG	SW	NW	9	10N	67E	0	IRD		320	1280	AFA	WP	DUNN, JUSTIN K.	
184	65443			8/18/1999	RFP	UG	SE	NE	9	10N	67E	0	IRD		320	1280	AFA	WP	DUNN, CARIL	
184	65444			8/18/1999	RFP	UG	SE	NW	6	10N	67E	0	IRD		320	1280	AFA	WP	HITCH, JILL	
184	65445			8/18/1999	RFP	UG	SE	NE	6	10N	67E	0	IRD		320	1280	AFA	WP	HITCH, MATTHEW S.	
184	65446			8/18/1999	RFP	UG	SE	NE	5	10N	67E	0	IRD		320	1280	AFA	WP	ORTON, BRENDA	
184	65447			8/18/1999	RFP	UG	SE	NW	5	10N	67E	0	IRD		320	1280	AFA	WP	ORTON, ERROL	
184	65448			8/18/1999	RFP	UG	SE	NW	4	10N	67E	0	IRD		320	1280	AFA	WP	HANBERG, EMILY	
184	65449			8/18/1999	RFP	UG	NE	NW	1	10N	66E	0	IRD		320	1280	AFA	WP	HUMPHRIES, BRANDON	
184	66641			10/29/1999	PER	UG	SE	SE	17	15N	68E	0.05	QM		0	0.73	MGA	WP	FAVA, PAUL D.	
184	67064			1/9/2001	RFP	UG	NW	NW	30	09N	68E	10	IRR		960	3840	AFA	LI	FREHNER, DAN	
184	67065			1/9/2001	RFP	UG	SW	SW	31	09N	68E	10	IRR		640	2560	AFA	LI	FREHNER, DAN	
184	67066			1/9/2001	RFP	UG	NE	NE	7	09N	68E	10	IRR		1280	5120	AFA	LI	FREHNER, DAN	
184	67067			1/9/2001	RFP	UG	SW	NE	24	09N	67E	10	IRR		1280	5120	AFA	LI	FREHNER, DAN	
184	67068			1/9/2001	RFP	UG	NE	NE	1	09N	67E	10	IRR		960	3840	AFA	LI	PEARSON, LEE	
184	67069			1/9/2001	RFP	UG	SE	SE	12	09N	67E	10	IRR		960	3840	AFA	LI	PEARSON, LEE	
184	67319			3/12/2001	RFP	UG	SW	NW	8	22N	66E	6	IRR		480	1920	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67320			3/12/2001	RFP	UG	SW	NW	17	22N	66E	6	IRR		480	0	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67321			3/12/2001	RFP	UG	NW	NE	29	22N	66E	6	IRR		360	1440	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67322			3/12/2001	RFP	UG	NW	NW	9	21N	66E	2.7	IRR		160	640	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67323			3/12/2001	RFP	UG	NE	NW	14	19N	66E	6	IRR		640	2560	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67324			3/12/2001	RFP	UG	NW	NW	11	19N	66E	6	IRR		640	2560	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67325			3/12/2001	RFP	UG	NE	NE	26	19N	66E	6	IRR		640	0	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67326			3/12/2001	RFP	UG	NE	SW	36	19N	66E	6	IRR		1240	4960	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67327			3/12/2001	RFP	UG	NW	NW	12	18N	66E	6	IRR		1240	0	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67328			3/12/2001	RFP	UG	NW	NE	13	18N	66E	2.4	IRR		120	480	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67329			3/12/2001	RFP	UG	SW	SW	24	18N	66E	6	IRR		480	1920	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67330			3/12/2001	RFP	UG	NW	NW	6	17N	67E	6	IRR		2320	4343.82	AFA	WP	VIDLER WATER COMPANY, INC.	
184	67331			3/12/2001	RFP	UG	NE	NE	12	17N	66E	6	IRR		2320	4343.82	AFA	WP	VIDLER WATER COMPANY, INC.	



Table A-1
 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006
 (Page 6 of 11)

Basin	App	Change of App.	Cert	File Date	Status	Source	POD Qq	POD Ctr	POD Sec	POD Twn	POD Ring	Div Rate (cfs)	Type of Use	Sup	Irrigated Acres	Annual Duty	Units	County	Owner of Record
184	67332			3/12/2001	RFP	UG	NE	SW	30	18N	67E	3.4	IRR		200	800	AFA	WP	VIDLER WATER COMPANY, INC.
184	67333			3/12/2001	RFP	UG	SW	SE	34	17N	67E	4.7	IRR		280	1120	AFA	WP	VIDLER WATER COMPANY, INC.
184	67886			8/6/2001	PER	UG	SE	SE	12	12N	67E	0.728	IRR	Y	0	0	AFA	WP	HUNTSMAN RANCH L.L.C.
184	67887	CHANGED BY:	71603		RFA	UG								Y					
184	67887			8/6/2001	PER	UG	NE	NE	13	12N	67E	0.728	IRR	Y	0	0	AFA	WP	HUNTSMAN RANCH L.L.C.
184	67887	CHANGED BY:	71525		RFA	UG								Y					
184	69087	29220		8/21/2002	RFP	UG	SW	SE	26	13N	67E	0.775	IRR		0	560.82	AFA	WP	TRUSCHKE, MARIANNE
184	69088	29221		8/21/2002	RFP	UG	SW	SE	26	13N	67E	0.594	IRR		0	430.36	AFA	WP	TRUSCHKE, MARIANNE
184	69264			10/21/2002	RFA	UG	NW	SE	15	14N	67E	0.49	MM		0	115.593	MGA	WP	MOYLE, LANE
184	69316	58493		11/8/2002	PER	UG	SW	NE	22	13N	67E	4.5	IRR	Y	0	1080	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST
184	69726			3/12/2003	RFA	UG	SE	SW	35	17N	67E	4	IRR		0	2240	AFA	WP	CORP OF CHURCH JESUS CHRIST OF LDS
184	69727			3/12/2003	RFA	UG	NW	SE	35	17N	67E	4	IRR		0	0	AFA	WP	CORP OF CHURCH JESUS CHRIST OF LDS
184	71525	67887		8/2/2004	RFA	UG	SE	NE	13	12N	67E	0.728	IRR		0	263.53	AFA	WP	HUNTSMAN RANCH LLC
184	71526	63531		8/2/2004	RFA	UG	SE	NE	13	12N	67E	1.5	IRR		0	542.98	AFA	WP	HUNTSMAN RANCH LLC
184	71565			8/17/2004	RFA	UG	NE	NW	28	17N	67E	0.0041	IRR		0	3	AFA	WP	MORIAH RANCHES, INC.
184	71603	67886		8/23/2004	RFA	UG	SE	SE	12	12N	67E	0.728	IRR		54.42	263.53	AFA	WP	HUNTSMAN RANCH LLC
184	71840	39816		11/3/2004	PER	UG	NE	NW	13	20N	66E	3	IRR		0	1120	AFA	WP	GEO. ELDRIDGE & SON, INC.
184	72643			4/26/2005	PER	UG	SW	NE	21	15N	68E	0.06	QM		0	4.04	AFA	WP	GIANOLI, JOHN C. & JULIE A.
184	813	659		2/8/1908	CER	STR	SW	NE	8	12N	68E	0.2	IRR		20	60	AFS	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.
184	920	866		4/16/1908	CER	STR	NE	NE	22	13N	67E	1.813	IRR		181.33	543.99	AFS	WP	HARBECKE FAMILY INTER VIVOS TRUST
184	983	171		5/26/1908	CER	STR			3	13N	67E	1	MM		0	235.9	MGA	WP	PILOT KNOB GOLD MINING & MILLING CO.
184	1052	244		7/13/1908	CER	STR				13N	67E	0.2	IRR		80	80	AFS	WP	OF BERKELEY
184	1159	134		10/28/1908	CER	STR	SE	SE	32	17N	67E	2.09	IRR		209.1	758.44	AFS	WP	GEORGE ELDRIDGE AND SON INC.
184	1520	107		11/15/1909	CER	STR	SW	SW	33	21N	66E	0.08	IRR		8	32	AFS	WP	OLSEN, CASTEN
184	2005	406		4/12/1911	CER	STR	NW	NW	32	13N	68E	0.8	IRR		80	320	AFS	WP	EL TEJON CATTLE CO.
184	2852	902		12/1/1913	CER	STR	NW	NW	24	16N	66E	8.02	IRR		802.16	2406.48	AFS	WP	G & F RANCH INC.
184	3186	567		11/27/1914	CER	STR	NE	SW	35	17N	67E	1.6	IRR		160	640	AFS	WP	CORP. OF CHURCH OF LATTER-DAY SAINTS
184	3383	1036		5/5/1915	CER	STR	NE	SW	14	17N	66E	0.199	IRR		19.96	59.88	AFS	WP	YELLAND, J. H.
184	3433	1210		6/14/1915	CER	STR	NW	NW	4	21N	66E	0.726	IRR		72.6	261.36	AFS	WP	BUNDY, CLARENCE A.
184	3865	1068		4/6/1916	CER	STR	SE	SW	6	11N	68E	2.14	IRR		213.98	641.94	AFS	WP	EL TEJON CATTLE CO.
184	4041	1930		6/29/1916	CER	STR	NW	NE	14	19N	66E	1.2	IRR		120	435	AFS	WP	NEVADA LAND & RESOURCE CO LLC
184	4042	1929		6/29/1916	CER	STR	SE	NW	11	19N	66E	1.2	IRR		120	435	AFS	WP	NEVADA LAND & RESOURCE CO LLC
184	4043	1928		6/29/1916	CER	STR	NE	SE	27	19N	66E	2.4	IRR		240	870	AFS	WP	NEVADA LAND & RESOURCE CO LLC
184	4418	660	812	4/30/1917	CER	STR	NE	SE	32	13N	68E	3.697	IRR		449.7	1349.7	AFS	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.
184	4951	1209		3/7/1918	CER	STR	SE	SE	29	21N	66E	0.083	IRR		8.36	25.08	AFS	WP	BUNDY, CLARENCE A. & JOSEPHINE
184	5143	517		7/10/1918	CER	STR	NE	NE	27	09N	67E	0.015	STK		0	3.54	MGA	LI	DOLAN, PHILIP J.
184	5247			9/16/1918	PER	STR	NW	SW	15	20N	66E	2	IRR		200	201.64	AFS	WP	GEORGE ELDRIDGE AND SON INC.
184	5499	562		5/15/1919	CER	STR	NE	SE	12	14N	67E	1.895	MM		0	393.18	MGS	WP	LESTER, VIRGINIA BOWEN
184	5691	1325		8/25/1919	CER	STR	SE	SE	33	17N	67E	1.895	MM		189.53	919	AFS	WP	GEORGE ELDRIDGE & SON, INC.
184	5691	CHANGED BY:	26753		WDR	STR													
184	5923	1280		12/26/1919	CER	STR	NW	SW	27	18N	68E	0.85	IRR		85.16	306	AFS	WP	GEORGE ELDRIDGE AND SON, INC.
184	6834	1211		12/9/1922	CER	STR	SE	SW	13	13N	67E	0.973	IRR		97.3	583.8	AFS	WP	EL TEJON CATTLE CO.
184	7097	1314		4/24/1924	CER	STR	NE	SE	23	21N	66E	0.007	STK		0	0.43	MGS	WP	BEWS, HARRY
184	7724	2171		4/23/1926	CER	STR	SE	NW	7	14N	68E	0.2	MM		0	0		WP	MARRIOTT, HENRY
184	7725	2170		4/23/1926	CER	STR	NE	SW	7	14N	68E	0.082	MM		0	0		WP	MARRIOTT, HENRY
184	7847	2221		8/12/1926	CER	STR	NW	SW	29	19N	66E	2.484	PWR		0	0		WP	ELY CALUMET MINING CORPORATION
184	8104	2065		4/19/1927	CER	STR	NE	SE	15	20N	66E	0.012	STK		0	1.22	MGS	WP	NEVADA LAND & RESOURCE CO LLC

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-1
 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006
 (Page 7 of 11)

Basin	App	Change of App.	Cert	File Date	Status	Source	POD QQ	POD Ctr	POD Sec	POD Twn	POD Ring	Div Rate (cfs)	Type of Use	Sup	Irrigated Acres	Annual Duty	Units	County	Owner of Record
184	8393		3213	11/18/1927	CER	STR	SE	NE	2	16N	67E	1.512	IRR		151.2	544.86	AFS	WP	CORP OF CHURCH OF LATTER-DAY SAINTS
184	8396	7333	2220	11/23/1927	CER	STR	NW	SW	29	19N	66E	0.156	MM		0	112.94	AFA	WP	ELY CALUMET MINING CORPORATION
184	8804		1967	1/2/1929	CER	STR	NE	NW	6	13N	68E	0.032	STK		0	7.3	MGA	WP	PRODUCTION CREDIT CORP. OF BERKELEY.
184	10487		5042	4/8/1940	CER	STR	NE	NE	2	16N	67E	2.873	IRR		287.3	1149.2	AFA	WP	COPR. OF CHURCH OF LATTER-DAY SAINTS
184	10703		8088	7/28/1941	CER	STR	SE	NE	23	15N	66E	4	IRR		64.19	256.76	AFA	WP	HECKETHORN, LOLA
184	10710		4011	7/31/1941	CER	STR	NE	NW	2	17N	66E	3.1	IRR		310	1240	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	10766		3182	12/29/1941	CER	STR	SE	SE	22	19N	66E	3	IRR		403.39	2420	AFA	WP	MORIAH RANCHES INC
184	10801		5202	4/1/1942	CER	STR	SE	NW	28	17N	67E	6	IRR		79.19	277.17	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	10843		4870	6/22/1942	CER	STR	NE	SW	31	19N	67E	0.311	IRR		31.14	65.99	AFS	WP	NEVADA LAND & RESOURCE CO LLC
184	13457		4236	7/31/1950	CER	STR	SE	SE	15	18N	66E	3.44	IRR		153.464	613.9	AFS	WP	GEORGE ELDRIDGE AND SON INC.
184	15812		4808	9/27/1954	CER	STR	NW	NE	13	13N	67E	1.593	IRR		160	640	AFS	WP	HARBECKE FAMILY INTER VIVOS TRUST
184	17017	4291	4673	8/20/1956	CER	STR		L703	6	13N	68E	0.318	IRR		31.82	97	AFS	WP	HEINBAUGH, R.O.
184	17163		4810	1/28/1957	CER	STR	NW	NE	22	13N	67E	1.6	IRR		80	320	AFS	WP	HARBECKE FAMILY TRUST AGREEMENT
184	20895		7560	12/13/1962	CER	STR	SW	SE	25	19N	66E	3	IRR		138.58	554.32	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	21220	10611	6505	12/13/1963	CER	STR	SW	NE	15	17N	66E	4	IRR		191.94	721	AFS	WP	ANDRAE, ARTHUR J.
184	21687	10994	6506	12/13/1963	CER	STR	SW	NE	15	17N	66E	3.5	IRR		385.11	1540	AFS	WP	ANDRAE, ARTHUR J.
184	21688		6507	12/13/1963	CER	STR	NW	NW	23	17N	66E	4	IRR		385.11	1540	AFS	WP	ANDRAE, ARTHUR J.
184	22545		7571	4/16/1965	CER	STR	NE	SW	15	13N	67E	2	IRR		160	640	AFA	WP	HARBECKE FAMILY TRUST AGREEMENT
184	25678	22979	9294	6/24/1970	CER	STR	SE	NE	27	12N	68E	4	IRR		157.56	630.24	AFA	WP	SWALLOW, RICHARD B.
184	27739		9772	9/7/1973	CER	STR	NW	NE	32	13N	68E	2.3	IRR		205.81	823.24	AFA	WP	EL TEJON CATTLE CO.
184	27740		9773	9/7/1973	CER	STR	NE	SE	18	13N	68E	3.2	IRR		188.45	753.8	AFA	WP	EL TEJON CATTLE CO.
184	27741		9774	9/7/1973	CER	STR	NW	SW	20	13N	68E	0.5	IRR		188.45	361.99	AFA	WP	EL TEJON CATTLE CO.
184	27742		9775	9/7/1973	CER	STR	NE	SE	18	13N	68E	3.2	IRR		188.45	753.8	AFA	WP	EL TEJON CATTLE CO.
184	27743		9743	9/7/1973	CER	STR	SW	SW	4	11N	68E	87	IRR		3087.08	12348.3	AFA	WP	EL TEJON CATTLE COMPANY
184	27901		9776	11/15/1973	CER	STR	NW	SE	29	13N	68E	1.5	IRR		205.81	823.24	AFA	WP	EL TEJON CATTLE CO.
184	28818	22483	9023	10/22/1974	CER	STR	NW	SE	25	18N	66E	4.8	IRR		60.77	243.08	AFA	WP	GEORGE ELDRIDGE & SON INC.
184	29162		10107	1/24/1975	CER	STR	NW	NE	13	13N	67E	6.9	IRR		259.17	1036.68	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST
184	34704			12/7/1977	RFA	STR	NW	SE	29	12N	68E	5	IRR		440	1760	AFA	WP	SWALLOW, RICHARD B.
184	45675			5/17/1982	RFA	STR	SE	SE	15	18N	66E	8	PWR		0	0	*	WP	GEO. ELDRIDGE AND SONS
184	45678			5/17/1982	RFA	STR	NW	SW	27	18N	68E	2	PWR		0	0		WP	GEORGE ELDRIDGE & SON INC.
184	45748			6/3/1982	RFP	STR	NW	NW	17	16N	68E	10	PWR		0	0		WP	ELDRIDGE, BRENT
184	45749			6/3/1982	RFA	STR	NE	NW	1	16N	66E	6	PWR		0	0		WP	ELDRIDGE, BRENT
184	45750			6/3/1982	RFA	STR	NW	NE	34	18N	66E	50	PWR		0	0		WP	ELDRIDGE, BRENT
184	50772	45722	14454	4/21/1987	CER	STR	NW	NW	12	13N	67E	4	IRR		188.19	752.76	AFA	WP	HARBECKE FAMILY INTER VIVOS TRUST
184	55370			10/11/1990	RFP	STR	SW	SW	35	18N	66E	10	IRR		800	3200	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	58494			1/21/1993	RFA	STR	NW	NE	13	13N	67E	4	PWR		0	0		WP	HARBECKE, FERN A. & ROBERT L.
184	V00714			2/12/1910	VST	STR		NW	35	13N	67E	0	IRR		160	140	AFS	WP	RAMSEY, E.G.
184	V00767			12/15/1909	VST	STR	NW	NE	34	18N	68E	0	IRR		30	120	AFS	WP	STARKWEATHER, MR.
184	V00769			6/10/1910	VST	STR		NW	1	18N	66E	0	IRR		0	0		WP	MCGLL, WM.
184	V00790			6/1/1910	VST	STR	NW	NW	25	16N	66E	2.5	IRR		3615.9	10847.7	AFS	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V00791			6/1/1910	VST	STR	NW	SE	1	17N	66E	0	IRR		1920	6375.45	AFS	WP	NEVADA LAND & RESOURCE CO LLC
184	V00802			5/5/1910	VST	STR	NE	NW	15	09N	67E	0	STK		0	0		LI	HYDE, J.A.
184	V01026			2/23/1911	VST	STR	NE	NE	12	12N	67E	0	IRR		4	16	AFS	WP	SWALLOW, GEORGE
184	V01069			2/10/1912	VST	STR	NW	SW	32	21N	66E	0.4	STK		0	3.9	MGS	WP	BLM
184	V01080			3/30/1912	VST	STR	NW	NE	16	16N	68E	0	IRR		66.63	266.52	AFS	WP	CORP. OF CHURCH OF LATTER-DAY SAINTS
184	V01213	CHANGED BY:	9231	2/1/1913	VST	STR	SE	NE	14	18N	66E	0	IRR		320	1280	AFA	WP	GEORGE ELDRIDGE AND SON INC.



Table A-1 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006 (Page 8 of 11)

Table with columns: Basin, App, Change of App., Cert, File Date, Status, Source, POD QQ, POD Ctr, POD Sec, POD Twn, POD Ring, Div Rate (cfs), Type of Use, Sup, Irrigated Acres, Annual Duty, Units, County, Owner of Record. Rows include various active rights for basins 184, such as V01214, V01215, V01216, etc.

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-1
 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006
 (Page 9 of 11)

Basin	App	Change of App.	Cert	File Date	Status	Source	POD QQ	POD Ctr	POD Sec	POD Twn	POD Ring	Div Rate (cfs)	Type of Use	Sup	Irrigated Acres	Annual Duty	Units	County	Owner of Record
184	5546		714	6/18/1919	CER	SPR	SW	SW	16	15N	68E	0.012	IRR		23.25	93	AFS	WP	KAISER, KATHERINE A.
184	5571		11720	6/23/1919	CER	SPR	NE	NW	14	24N	66E	0.012	STK		0	2.83	MGA	WP	NEVADA LAND & RESOURCE CO LLC
184	5713		797	9/5/1919	CER	SPR	NW	NW	32	16N	68E	0.006	STK		0	1.19	MGS	WP	ROGERS, G.W.
184	6071		1039	4/26/1920	CER	SPR		NW	15	21N	66E	0.018	STK		0	2.31	MGS	WP	YELLAND, LOUIS A.
184	6072		1041	4/26/1920	CER	SPR		SW	10	20N	70E	0.018	STK		0	2.32	MGS	WP	YELLAND, LOUIS
184	6074		1038	4/26/1920	CER	SPR	NW	SW	2	17N	68E	0.018	STK		0	2.92	MGS	WP	YELLAND, LOUIS A.
184	6075		1037	4/26/1920	CER	SPR	SW	NE	22	18N	68E	0.018	STK		0	3.17	MGS	WP	GEORGE H. ELDRIDGE AND SON, INC.
184	6290		1045	10/4/1920	CER	SPR	SW	SW	25	22N	68E	0.01	STK		0	2.32	MGA	WP	HENRIOD, E. A.
184	6360			12/22/1920	PER	SPR	SW	SW	21	21N	68E	1	IRR		160	640	AFS	WP	DOUTRE, STEVE
184	6503		1296	6/30/1921	CER	SPR	NW	SW	13	13N	66E	0.003	STK		0	0.49	MGS	WP	PRODUCTION CREDIT CORPORATION
184	6754		1623	8/30/1922	CER	SPR	NW	SE	30	17N	67E	0.538	IRR		53.8	195	AFS	WP	CAZIER, JAMES
184	6808		1501	11/1/1922	CER	SPR	NW	SW	20	24N	67E	0.007	STK		0	0.71	MGS	WP	NEVADA LAND & RESOURCE CO LLC
184	7161		1950	6/27/1924	CER	SPR	SE	SE	20	07N	68E	0.004	STK		0	0.55	MGS	LI	MURRAY SHEEP CO.
184	7419		1329	6/28/1925	CER	SPR	NE	SE	18	14N	68E	0.012	STK		0	1.22	MGS	WP	GEORGE S. ROBINSON & SONS
184	7700		1481	4/7/1926	CER	SPR	NE	NE	25	12N	66E	0.015	STK		0	3.85	MGS	WP	ROBISON BROS.
184	7701		1346	4/8/1926	CER	SPR	SE	SE	19	21N	69E	0.025	STK		0	5.84	MGA	WP	HENRIOD, EUGENE A.
184	8525		2409	4/26/1928	CER	SPR	SW	SE	3	08N	67E	0.013	STK		0	1.95	MGS	LI	HUNTSMAN RANCH LIMITED LIABILITY CO.
184	8547		2263	5/28/1928	CER	SPR	NW	SW	4	22N	66E	0.009	STK		0	1.76	MGS	WP	HENRIOD, EUGENE A.
184	8721		2509	10/13/1928	CER	SPR	SE	SW	25	17N	67E	0.02	STK		0	4.72	MGA	WP	CORP. OF CHURCH OF LATTER-DAY SAINTS
184	10510	9183	2607	5/20/1940	CER	SPR	NW	NW	25	07N	68E	0.019	STK		0	3.23	MGS	LI	FRANCIS, DAVID
184	10921		3375	2/3/1943	CER	SPR	SE	SE	23	17N	67E	0.79	IRR		240.74	570.73	AFA	WP	GEORGE ELDRIDGE AND SON INC.
184	10993		3376	9/1/1943	CER	SPR	NW	SE	24	17N	67E	0.6	IRR		178.54	433.62	AFA	WP	GEORGE ELDRIDGE AND SON INC.
184	11313		3126	6/16/1945	CER	SPR	SE	NE	2	22N	66E	0.017	STK		0	2.47	MGS	WP	HENRIOD, E. A.
184	12571		4946	8/9/1948	CER	SPR	SW	NE	21	15N	68E	0.334	IRR		16.082	65	AFA	WP	ROGERS, H.T.
184	13652		4159	3/5/1951	CER	SPR	NW	NW	21	15N	68E	0.03	IRR		2	8	AFA	WP	BERGER, ALFRED R.
184	18183		5649	8/3/1959	CER	SPR	NE	NW	25	14N	67E	0.5	MM		0	78.85	MGS	WP	HUNTINGTON, GLEN
184	21632		5617	2/21/1964	CER	SPR	SE	SW	8	15N	68E	0.001	STK		0	0.22	MGS	WP	KAISER, KATHERINE A.
184	24121		7280	9/15/1967	CER	SPR	NW	SW	13	18N	68E	0.008	STK		0	0.46	MGA	WP	GEORGE ELDRIDGE & SON INC
184	24122		7281	9/15/1967	CER	SPR	SW	NW	13	18N	68E	0.008	STK		0	0.46	MGA	WP	GEORGE ELDRIDGE & SON INC
184	24260		8030	12/4/1967	CER	SPR	SW	NW	28	13N	68E	0.008	MM		0	1.84	MGA	WP	CRAWFORD, GLEN
184	26263		14240	8/17/1971	RFA	SPR	SW	SE	25	19N	66E	2	IRR		560	0		WP	NEVADA LAND & RESOURCE CO LLC
184	26655			4/7/1972	RFA	SPR	SW	SW	25	19N	66E	1	IRR		260	1040	AFA	WP	GEORGE ELDRIDGE AND SON INC
184	26656			4/7/1972	RFP	SPR	NW	SW	25	19N	66E	1	IRR		320	1280	AFA	WP	GEORGE ELDRIDGE AND SON INC
184	27902		9744	11/15/1973	CER	SPR	NE	SW	5	11N	68E	0.46	IRR		16.5	66	AFA	WP	EL TEJON CATTLE COMPANY
184	28790		9777	10/11/1974	CER	SPR	NE	NE	35	13N	67E	0.2	IRR		205.81	144.88	AFA	WP	EL TEJON CATTLE COMPANY
184	46973		12667	6/3/1983	CER	SPR	SE	NW	7	14N	68E	0.231	MM		0	54.494	MGA	WP	OSTLUND, ROBERT E.
184	46975		13925	6/3/1983	CER	SPR		LT37	7	14N	68E	0.171	MM		0	40.34	MGA	WP	OSTLUND, ROBERT
184	46978		14935	6/3/1983	CER	SPR	NE	SE	18	14N	68E	0.5	MM		0	90.32	MGA	WP	OSTLUND, ROBERT
184	47352		14240	10/24/1983	CER	SPR	NW	NE	25	14N	67E	0.5	MM		0	0.07	MGA	WP	SALISBURY, FRED
184	48724		12339	1/17/1985	CER	SPR	NW	NE	15	10N	68E	0.18	STK		0	1.47	MGS	WP	EL TEJON CATTLE COMPANY
184	55363			10/11/1990	RFA	SPR	SW	SW	1	18N	66E	0.25	IRR		400	180.95	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	55364			10/11/1990	RFA	SPR	NE	SW	1	18N	66E	0.25	IRR		400	180.95	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	55365			10/11/1990	RFA	SPR	NE	SW	1	18N	66E	0.25	IRR		400	180.95	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	55366			10/11/1990	RFA	SPR	SW	SW	1	18N	66E	0.25	IRR		400	180.95	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	55367			10/11/1990	RFP	SPR	NE	NW	12	18N	66E	0.25	IRR		400	1600	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	55368			10/11/1990	RFP	SPR	NE	NW	12	18N	66E	0.25	IRR		400	1600	AFA	WP	NEVADA LAND & RESOURCE CO LLC
184	55369			10/11/1990	RFP	SPR	NE	NW	12	18N	66E	0.25	IRR		400	1600	AFA	WP	NEVADA LAND & RESOURCE CO LLC



Table A-1 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006 (Page 10 of 11)

Table with columns: Basin, App, Change of App., Cert, File Date, Status, Source, POD QQ, POD Ctr, POD Sec, POD Twn, POD Ring, Div Rate (cfs), Type of Use, Sup, Irrigated Acres, Annual Duty, Units, County, Owner of Record. Contains 48 rows of data.

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-1
 NDWR Abstract-All Active Rights, Spring Valley (HA 184) - Downloaded 5/09/2006
 (Page 11 of 11)

Basin	App	Change of App.	Cert	File Date	Status	Source	POD QQ	POD Ctr	POD Sec	POD Twn	POD Ring	Div Rate (cfs)	Type of Use	Sup	Irrigated Acres	Annual Duty	Units	County	Owner of Record
184	V02222			2/14/1930	VST	SPR	NW	NE	26	23N	66E	0.025	STK		0	1.98	MGS	WP	SELLAS, GUST T.
184	V02223			2/14/1930	VST	SPR	NW	NE	2	22N	66E	0.025	STK		0	1.97	MGS	WP	SELLAS, WILLIAM
184	V02329			2/13/1945	VST	SPR	SW	SE	13	23N	66E	0.05	STK		0	6.81	MGS	WP	NEVADA LAND & RESOURCE COLL
184	V02809			9/18/1972	VST	SPR	NW	NE	28	19N	66E	0.005	STK		0	1.2	MGS	WP	USFS
184	V02817			1/16/1973	VST	SPR	SE	NW	18	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02818			1/16/1973	VST	SPR	NW	SE	18	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02819			1/16/1973	VST	SPR	NE	SE	18	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02820			1/16/1973	VST	SPR	SE	SE	18	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02821			1/16/1973	VST	SPR	NE	NE	19	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02822			1/16/1973	VST	SPR	SW	SW	17	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02823			1/16/1973	VST	SPR	NW	NW	20	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02824			1/16/1973	VST	SPR	NE	SE	19	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02825			1/16/1973	VST	SPR	SE	NE	19	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02826			1/16/1973	VST	SPR	SW	NW	20	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02827			1/16/1973	VST	SPR	NW	SW	20	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02828			1/16/1973	VST	SPR	SE	NW	20	16N	67E	10	IRR		2400	9600	AFA	WP	GUBLER LAND AND LIVESTOCK, INC.
184	V02837			1/14/1974	VST	SPR	SW	SE	20	13N	68E	0.015	STK		0	0.75	MGS	WP	USFS
184	V02842			3/25/1974	VST	SPR	SW	NW	28	13N	68E	0.5	STK		0	0.46	MGS	WP	USFS
184	V02851			4/17/1975	VST	SPR	SW	NE	26	13N	67E	0	IRR		132.4	529.6	AFA	WP	EL TEJON CATTLE COMPANY
184	V02852			4/17/1975	VST	SPR	NW	SW	25	13N	67E	0	IRR		143.6	574.4	AFA	WP	EL TEJON CATTLE COMPANY
184	V02853			4/17/1975	VST	SPR	SW	SE	30	13N	68E	0	IRR		150.2	600.8	AFA	WP	EL TEJON CATTLE COMPANY
184	V02854			4/17/1975	VST	SPR	SW	SE	30	13N	68E	0	IRR		164.9	659.6	AFA	WP	EL TEJON CATTLE COMPANY
184	V02855			4/17/1975	VST	SPR	NW	NW	36	13N	67E	1	IRR		161.7	646.8	AFA	WP	EL TEJON CATTLE COMPANY
184	V02915			12/21/1976	VST	SPR	NW	NE	15	10N	68E	0.005	STK		0	0	MGS	WP	EL TEJON CATTLE COMPANY
184	V03540			12/5/1980	VST	SPR	SE	NW	36	17N	66E	0.015	STK		0	0.74	MGS	WP	USFS
184	V03549			12/5/1980	VST	SPR	NW	SW	2	16N	66E	0.015	STK		0	0.66	MGS	WP	USFS
184	V03550			12/5/1980	VST	SPR	SE	NE	12	16N	66E	0.015	STK		0	0.66	MGS	WP	USFS
184	V03551			12/5/1980	VST	SPR	NE	NW	8	16N	66E	0.015	STK		0	0.66	MGS	WP	USFS
184	V03554			12/5/1980	VST	SPR	NE	NW	10	16N	66E	0.015	STK		0	0.66	MGS	WP	USFS
184	V03555			12/5/1980	VST	SPR	NE	SE	12	16N	66E	0.015	STK		0	0.66	MGS	WP	USFS
184	V03556			12/5/1980	VST	SPR	SE	NW	1	16N	66E	0.015	STK		0	0.66	MGS	WP	USFS
184	V03557			12/5/1980	VST	SPR	SE	SW	36	17N	66E	0.015	STK		0	0.74	MGS	WP	USFS
184	V03558			12/5/1980	VST	SPR	SW	SW	36	17N	66E	0.015	STK		0	0.74	MGS	WP	USFS
184	V03559			12/5/1980	VST	SPR	SE	NW	36	17N	66E	0.015	STK		0	0.74	MGS	WP	USFS
184	V03560			12/5/1980	VST	SPR	NW	NE	10	17N	66E	0.015	STK		0	0.18	MGS	WP	USFS
184	V03562			12/5/1980	VST	SPR	NE	SE	22	17N	66E	0.015	STK		0	0.18	MGS	WP	USFS
184	V03563			12/5/1980	VST	SPR	SE	NE	22	17N	66E	0.015	STK		0	0.18	MGS	WP	USFS
184	19435		7800	1/10/1961	CER	RES	NW	SW	24	20N	66E	0	IRR		68.9	54	AFA	WP	ELDRIDGE, DELBERT D.
184	19436		7805	1/10/1961	CER	RES	NE	SE	13	20N	66E	0	IRR		68.9	25	AFA	WP	ELDRIDGE, DELBERT D.
184	V01180			12/16/1912	VST	RES	SE	SE	6	24N	67E	0.1	STK		0	1.8	MGS	WP	NEVADA LAND & RESOURCE COLL
184	56740		605	6/23/1919	CER	OSW	SE	SW	17	21N	69E	0.012	STK		0	1.93	MGS	WP	HENROID, ILA
184	26740			5/24/1972	RFP	OSW	SW	SW	33	17N	67E	3	IRR		400	533.33	AFA	WP	Geo. ELDRIDGE & SON INC.
184	46790		13034	4/5/1983	CER	OGW	NE	NE	7	14N	68E	0.007	MM		0	1.65	MGA	WP	HUCKALEY, LESTER VERNON
184	65605			10/15/1939	RFP	OGW	SW	SW	15	12N	68E	0.2	OM		0	1.12	MGA	WP	LONG NOW FOUNDATION (THE)
184	811		131	2/8/1908	CER	LAK	NW	NE	34	12N	67E	2.8	IRR		280	1120	AFS	WP	HUNTSMAN RANCH LIMITED LIABILITY CO.



Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 1 of 16)

Table with columns: APP #, CHANGE #, CHANGE #, STATUS, FILING DT, OWNER OF RECORD, SRC, SOURCE DESCRIPTION, USE, SUP CO, POINT OF DIVERSION, RATE, DUTY, UNIT, ACRES, PLACE OF USE, NOTES. Rows include various water rights entries such as Swallow Ditch, Olsen Casten, Huntsman Ranch, etc.

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 2 of 16)

APP #	CHANGE #	CHANGE #	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP CO	POINT OF DIVERSION				RATE		DUTY	UNIT	ACRES	PLACE OF USE		NOTES
											QTR	QTR	SEC	TWN	RNG	CFS				MG	NOTE ON STOCK WATER RIGHTS WHERE A PERIOD OF USE IS NOT INDICATED, THE USE IS 1/1 - 12/31.	
3927			469	CER	4/24/16	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	SPR	FOUR MILE SPRING	IRR, STK		WP	SW	NW	27	17N	68E	0.1	40	10	NW/4 SEC 27, T.17N., R.68E.-1AC; SW/4 SEC 27, T.17N., R.68E.-4.0AC & SE NE SEC 28, T.17N., R.68E.-5.0 AC.		
3973			5993	CER	5/13/16	ROGERS, G.W., ROGERS, H.T.	SPR	MUD SPRINGS 1, 2 & 3	STK		WP	SW	NW	10	18N	67E	0.078	1.84	MGA	300 CATTLE		
4041			1930	CER	6/29/16	NEVADA LAND & RESOURCE CO., LLC	STR	MEADOW CREEK & NORTH CREEK	IRR, DOM		WP	NW	NE	14	18N	68E	1.2	435	120	NE/4 SEC 14, T.18N., R.68E.-40AC; NW/4 SEC 14, T.18N., R.68E.-40AC; 4/1 - 9/30	POD BELOW CONFLUENCE MEADOW & NORTH CREEKS.	
4042			1929	CER	6/29/16	NEVADA LAND & RESOURCE CO., LLC	STR	TRAIL & FANDANGO CREEKS	IRR, DOM		WP	SE	NW	11	18N	68E	1.2	435	120	NW/4 SEC 12, T.18N., R.68E.-80AC; NE/4 SEC 11, T.18N., R.68E.-40AC; 4/1 - 9/30		
4043			1928	CER	6/29/16	NEVADA LAND & RESOURCE CO., LLC	STR	KALAMAZOO CREEK	IRR, DOM		WP	NE	SE	27	20N	68E	2.4	870	240	SEC 12, T.19N., R.68E.-80AC; SEC 11, T.19N., R.68E.-160AC; 4/1 - 9/30		
4171			1981	CER	10/2/16	ROBISON BROTHERS	SPR	LAYTON SPRING	STK		WP	NW	SE	4	14N	67E	0.02	4.57	MGA	3200 SHEEP SW NE SEC 4, T.14N., R.67E.		
4418	812	N Y N	660	CER	4/30/17	HUNTSMAN RANCH LIMITED LIABILITY CO.	STR	WILLIAMS CREEK	IRR, DOM		WP	NE	SE	32	13N	68E	4.487	1346.7	449.7	SEC 13, T.12N., R.67E.-408.7AC; SEC 14, T.12N., R.67E.-40AC; 4/1 - 10/1	PRIORITY DATE: 4/8/08	
4951			1209	CER	3/7/18	BUNDY, CLARENCE A. & JOSEPHINE	STR	NIGGER ABE CREEK	IRR		WP	SE	SE	29	21N	68E	0.0838	25.08	8.36	SWSW SEC 28, T.21N., R.68E. 4/25 - 10/1		
5028			1541	CER	4/26/18	CORP OF CHURCH OF LATTER-DAY SAINTS, CORP OF CHURCH OF LATTER-DAY SAINTS	SPR	FOUR MILE SPRINGS	IRR		WP	SE	NW	27	17N	68E	0.086	24	6.6	SWSW SEC 27, T.17N., R.68E.-3.04AC; SEC 28, T.17N., R.68E.-3.95AC; 4/1 - 9/30		
5143			517	CER	7/10/18	DOLAN, PHILIP J. GIBEAUT, FA., HUFF, CLARK, HUNTSMAN RANCH LLC, MURRAY SHEEP CO.	STR	COTTONWOOD CREEK	STK		LI	NE	NE	27	08N	67E	0.015	3.54	MGA	500 CATTLE		
5247			603	PER	9/16/18	GEORGE ELDRIDGE AND SON INC.	STR	MUNCY CREEK	IRR		WP	NW	SW	15	20N	68E	2	201.64	200	NE SEC 22, T.20N., R.68E. 4/1 - 7/1	HOLD PENDING OUTCOME OF NO. 4801.	
5308			603	CER	11/15/18	HENROID, ILLA	SPR	LOWER LUNCH VALLEY SPR	STK		WP	SE	SE	29	21N	68E	0.01	2.36	MGA	2000 SHEEP		
5409			562	CER	5/15/19	LESTER, VIRGINIA BOWEN OSTLUND, ROBERT WILKINSON, MARY IMCOGLAREN COHLAN	STR	DRY GULCH & JACK SPRING	MM		WP	NE	SE	12	14N	67E	5	393.18	MGS	5/1 - 9/1		
5546			714	CER	6/18/19	KAISER, KATHERINE A., KAISER, ROBERT G.	SPR	WOODMAN SPRINGS	IRR, DOM		WP	SW	SW	16	15N	68E	0.225	93	23.25	NE SE NW SE SW SE, SE SE SEC 17, T.15N., R.68E. 3/15 - 10/15		
5563			605	CER	6/23/19	HENROID, ILLA	OS W	LOUIS CANON	STK		WP	SE	SW	17	21N	68E	0.0125	1.93	MGS	1000-2500 SHEEP & 30 CATTLE 4/1 - 10/1		
5571			11720	CER	6/23/19	NEVADA LAND & RESOURCE COMPANY, INC.	SPR	SHARPE CREEK	STK		WP	NE	NE	14	24N	68E	0.012	2.83	MGA	2000 SHEEP 4/1 - 10/1		
5681			1325	CER	8/25/19	GEORGE ELDRIDGE & SON, INC.	STR	SLOUGH IN SPRING V.	IRR		WP	SE	SE	33	17N	67E	1.895	919	189.53	SE SEC 28, T.17N., R.67E.-28 AC; NE NE SEC 28, T.17N., R.67E.-103 AC; NW NW SW NW, NW SW SEC 34, T.17N., R.67E.-58.5 AC. 3/1 - 10/31		
5713			797	CER	9/5/19	ROGERS, G.W., ROGERS, H.T.	SPR	GRANITE SPRING	STK		WP	NW	NW	32	18N	68E	0.006	1.19	MGS	1000 SHEEP & 25 CATTLE 3/1 - 12/31		
5923			1280	CER	12/26/19	GEORGE ELDRIDGE AND SON, INC.	STR	EIGHT MILE CREEK	IRR		WP	NW	SW	27	18N	68E	0.85	306	85.16	SEC 31, T.18N., R.68E. 4/15 - 10/15		
6071			1039	CER	4/26/20	YELLAND, LOUIS A.	SPR	WILLOW SPRING	STK		WP	NW	1/4	15	21N	68E	0.018	2.31	MGS	3000 SHEEP 3/15 - 10/1		
6072			1041	CER	4/26/20	YELLAND, LOUIS	SPR	LOWER SULPHUR SPRING	STK		WP	SW	1/4	10	20N	70E	0.018	2.32	MGS	3000 SHEEP 3/15 - 10/1	MAY NOT BE IN BASIN NO. 184	
6074			1038	CER	4/26/20	YELLAND, LOUIS A.	SPR	BASEIN SPRING	STK		WP	NW	SW	2	17N	68E	0.018	2.82	MGS	3000 SHEEP 9/30 - 6/1		
6075			1037	CER	4/26/20	GEORGE H. ELDRIDGE AND SON, INC.	SPR	COTTONWOOD SPRING	STK		WP	SW	NE	22	18N	68E	0.018	3.17	MGS	3000 SHEEP 9/30 - 6/1		
6290			1045	CER	10/4/20	HENROID, E.A., HENROID, FRED	SPR	LOWER CALLAHAN SPRING	STK		WP	SW	SW	25	22N	68E	0.01	2.32	MGA	1500 SHEEP & 18 CATTLE		
6360				PER	12/22/20	DOUTRE, STEVE	SPR	VANEMON CREEK & SPRINGS	IRR, STK, DOM		WP	SW	SW	21	21N	68E	1	6.40	160	2000 SHEEP & 25 CATTLE SEC 5, T.20N., R.68E.		
6503			1286	CER	6/30/21	PRODUCTION CREDIT CORPORATION	SPR	LIME ROCK SPRING	STK		WP	NW	SW	13	13N	68E	0.003	0.49	MGS	100 CATTLE 3/15 - 11/15		



Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 3 of 16)

APP #	CHANGE #	CHANGE	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	CO	POINT OF DIVERSION				RATE		DUTY	UNIT	ACRES	PLACE OF USE	NOTES
												QTR	QTR	SEC	TWN	RNG	CFS					
6632			1378	CER	2/17/22	GEORGE ELDRIDGE & SON INC.	UG	WHITE CLOUD WELL	STK, DOM		WP	NW	NW	7	18N	68E	0.024	5.55	MGA	3800 SHEEP		
6754			1623	CER	8/30/22	CAZIER, JAMES	SPR	MUD SPRING	IRR, DOM		WP	NW	SE	30	17N	67E	0.538	1.95	AFS	SENESEC30, T.17N, R.67E - 37.2AC. NE SEC 30, T.17N, R.67E - 16.6AC. 4/1 - 9/30	DOM USE NTE 0.026 CFS.	
6808			1501	CER	1/1/22	NEVADA LAND & RESOURCE CO LLC	SPR	LOST SPRING	STK		WP	NW	SW	20	24N	67E	0.0075	0.71	MGS	1200S SHEEP 5/1 - 10/1		
6834			1211	CER	12/8/22	EL TEJON CATTLE CO.	STR	PINE CREEK	IRR		WP	SE	SW	13	13N	67E	0.973	593.8	AFS	NW1/4 SEC 35, T.13N, R.67E. 2/15 - 12/15		
7097			1314	CER	8/24/24	BEVRS, HARRY	STR	NORTH CREEK	STK		WP	NE	SE	23	21N	66E	0.0075	0.43	MGS	1200S SHEEP 4/1 - 7/1		
7161			1950	CER	8/27/24	MURRAY SHEEP CO.	SPR	SILVER PARK SPRINGS	STK		LI	SE	SE	20	07N	68E	0.004	0.55	MGS	E1/2 SW SEC 20, T.7N, R.68E. 4/1 - 11/1		
7419			1329	CER	8/28/25	GEORGE S. ROBINSON & SONS OF BERKELEY	SPR	JACK SPRINGS	STK		WP	NE	SE	18	14N	68E	0.0125	1.22	MGS	2000S SHEEP 5/1 - 9/30		
7446			1515	CER	7/22/25	PRODUCTION CREDIT CORP.	UG	ROBINSON WELL	STK		WP	NE	NW	25	14N	68E	0.019	4.38	MGA	3000S SHEEP 1/1 - 7/31 & 10/1 - 12/31		
7497			1618	CER	8/8/25	HUNTSMAN RANCH LIMITED LIABILITY CO. KIRKBEY, MARY HANNAH	UG	MIDDLE WELL	STK		WP	NE	NW	24	11N	68E	0.0075	1.75	MGA	1200S SHEEP NE NW SEC 24, T.11N, R.68E.		
7700			1481	CER	4/7/26	PRODUCTION CREDIT CORPORATION	SPG	BASIN SPRINGS	STK		WP	NE	NE	25	12N	65E	0.0156	3.85	MGS	2500S SHEEP 4/1 - 10/31		
7701			1346	CER	4/8/26	HENRIOD, ILLA	SPR	LOWER SPRING	STK		WP	SE	SE	19	21N	68E	0.025	5.84	MGA	4000S SHEEP		
7724			2171	CER	4/23/26	MARRIOTT, HENRY HANCOCKSON, HENRY C.	STR	OSCEOLA CREEK	MM		WP	SE	NW	7	14N	68E	0.2			NE SE SEC 12, T.14N, R.67E.		
7725			2170	CER	4/23/26	MARRIOTT, HENRY HANCOCKSON, HENRY C.	STR	NEW MOON CREEK	MM		WP	NE	SW	7	14N	68E	0.082			NE SE SEC 12, T.14N, R.67E.		
7847			2221	CER	8/12/26	ELY CALUMET MINING CORPORATION	STR	PERMONT CREEK	PWR		WP	NW	SW	29	18N	68E	2.484			NE 1/4 SEC 28, T.18N, R.68E.	HYDRO ELECTRIC POWER	
8074			1365	CER	4/1/27	NEVADA LAND & RESOURCE CO., LLC	UG	SOUTH FOX ARTESIAN WELL	STK		WP	NW	SE	35	11N	68E	0.05	8.88	MGS	5000S SHEEP & 500 CATTLE 3/1 - 10/30 NW SE SEC 35, T.11N, R.68E.		
8075			1366	CER	4/1/27	ADAMS MCGILL COMPANY	UG	SNYDER WELL NO.1	STK		WP	SE	SE	13	14N	68E	0.05	5.84	MGS	5000S SHEEP & 500 CATTLE NW SE SEC 13, T.14N, R.68E.		
8076			1367	CER	4/1/27	NEVADA LAND & RESOURCE CO., LLC	UG	NORTH FOX ARTESIAN WELL	STK		WP	NE	NE	1	11N	68E	0.05	8.88	MGS	5000S SHEEP & 500 CATTLE NE NE SEC 1, T.11N, R.68E.		
8077			1368	CER	4/1/27	ROBINSON, DOYLE C., ROBINSON, JAMES F.	UG	SNYDER WELL NO.2	STK		WP	SW	SE	31	13N	67E	0.05	8.8	MGS	5000S SHEEP & 600 CATTLE 3/1 - 10/30 SW SE SEC 31, T.13N, R.67E.		
8104			2065	CER	4/19/27	NEVADA LAND & RESOURCE CO LLC	STR	MUNSEY CREEK	STK		WP	NW	SE	15	23N	68E	0.0125	1.22	MGS	2000S SHEEP 5/1 - 10/1		
8383			3213	CER	11/18/27	CORP OF CHURCH OF LATTER-DAY SAINTS CORPORATION	STR	NIGGER CREEK	IRR		WP	SE	NE	2	16N	67E	1.512	544.88	AFS	SEC 35, T.17N, R.67E - 38.20AC. SEC 2, T.16N, R.67E - 113.0AC. 10/1 - 4/1	PRIORITY DATE: 3/28/25	
8396			2220	CER	11/23/27	ELY CALUMET MINING CORPORATION	STR	PERMONT CREEK	MM		WP	NW	SW	29	18N	68E	0.156	112.94	AFA	NE 1/4 SEC 28, T.18N, R.68E. 4000 CATTLE 4/1 - 11/30		
8525			2409	CER	4/26/28	HUNTSMAN RANCH LIMITED LIABILITY CO.	SPR	PIPE SPRING	STK		LI	SW	SE	3	08N	67E	0.0125	1.95	MGS	SW SE SEC 3, T.8N, R.67E.		
8542			1720	CER	5/22/28	GEORGE ELDRIDGE & SON INC.	UG	YELLAND WELL	STK		WP	NE	NE	13	18N	67E	0.025	5.84	MGA	4000S SHEEP NE NE SEC 13, T.18N, R.67E.		
8547			2263	CER	5/28/28	HENRIOD, EUGENE A.	SPR	MUD SPRINGS	STK		WP	NW	SW	4	22N	68E	0.009	1.76	MGS	1200S SHEEP & 800 CATTLE 3/1 - 12/31 NW SW SEC 4, T.22N, R.68E.		
8701			2626	CER	9/20/28	GEORGE ELDRIDGE & SON INC.	UG	ELDRIDGE WELL	STK		WP	SW	SW	1	18N	67E	0.013	2.92	MGA	2000S SHEEP SW SW SEC 1, T.18N, R.67E.		
8713			2410	CER	10/6/28	SWALLOW, GEORGE N. SWALLOW, RICHARD M.	UG	SOUTH WELL	STK		WP	NE	NE	16	10N	67E	0.013	3.07	MGA	600S SHEEP & 300 CATTLE NE NE SEC 16, T.10N, R.67E.		
8721			2509	CER	10/13/28	CORP OF CHURCH OF LATTER-DAY SAINTS	SPR	SOUTH HILL CREEK SPRING	STK		WP	SE	SW	25	17N	67E	0.02	4.72	MGA	3000S SHEEP & 800 CATTLE SE SW SEC 25, T.17N, R.67E.	APPROPRIATION IN ADDITION TO REASONABLE LOSSES FROM TRANS. & EWAP.	
8804			1967	CER	1/2/29	PRODUCTION CREDIT CORP.	STR	WILLARD CREEK	STK		WP	NE	NW	6	13N	68E	0.032	7.3	MGA	5000 SHEEP		
9435			2473	CER	4/6/31	GEORGE ELDRIDGE & SON INC.	UG	ELDRIDGE WELL NO.2	STK		WP	NW	NE	26	20N	67E	0.019	3.34	MGS	3000S SHEEP 3/1 - 12/1 NW NE SEC 26, T.20N, R.67E.		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 4 of 16)

APP #	CHANGE #	CHANGE	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	POINT OF DIVERSION				RATE		DUTY	UNIT	ACRES	PLACE OF USE		NOTES
											CO	QTR	QTR	SEC	TWN	RNG				CFS	MG	
10487			5042	CER	4/8/40	CORP OF THE PRESIDING BISHOP OF THE CHURCH OF LATTER-DAY SAINTS	STR	NIGGER CREEK	IRR	WP	NE	NE	2	18N	67E	2.873	1148.2	AFA	287.3	SECS 2 & 3, T.16N, R.67E.	NTE 4.0 AF/AC	
10510	9183		2807	CER	5/20/40	FRANCIS, DAVID, WALKER, FRANK	SPR	BROADSHAW SPRING	STK	LI	NW	NW	25	07N	68E	0.019	3.23	MG		2500 SHEEP NW NW SEC 25, T.7N, R.68E.	PRIORITY: 12/16/1929 SEC 12, T.16N, R.67E.	
10703			8088	CER	7/28/41	HECKETHORN, LOLA, JOHANSEN, J.P.	STR	BASTIAN CREEK	IRR, DOM	WP	SE	NE	23	15N	68E	4	2657.6	AFA	64.19	SEC 24, T.15N, R.68E & SEC 19, T.15N, R.67E.	NTE 4.0 AF/AC	
10710			4071	CER	7/31/41	NEVADA LAND & RESOURCE CO., LLC	STR	MC COY CREEK	IRR	WP	NE	NW	2	17N	68E	3.1	1240	AFA	310	SEC 5 & 6 & 7, T.17N, R.67E.		
10766			3182	CER	12/29/41	NEVADA LAND & RESOURCE CO LLC	STR	PIERMONT CREEK	IRR	Y	WP	SE	SE	22	18N	68E	3	2420.39	AFS	403.39	SEC 11, 12 & 14, T.18N, R.68E.	10766 - ALL OR PART ALSO IRRIGATED FROM KALAMAZO CREEK (CERT. 1828), TRAIL & FANDANGO CREEK (CERT. 1829), MEADOW & NORTH CREEK (CERT. 1930), NTE 6.0 AF/AC PER ORDER 11/4/47.
10801			5202	CER	4/1/42	ROGERS, H. T.	STR	BIG MEADOW SLOUGH	IRR	WP	SE	NW	28	17N	67E	6	2771.7	AFA	79.19	NEW SEC 28, T.17N, R.67E - 18.72AC NW SEC 28, T.17N, R.67E - 15.53AC NW SEC 21, T.17N, R.67E - 27.21AC NW SEC 21, T.17N, R.67E - 17.73AC		
10843			4870	CER	6/22/42	NEVADA LAND & RESOURCE CO LLC	STR	BASSETT CREEK SLOUGH	IRR	WP	NE	SW	31	18N	67E	0.311	65.99	AFS	31.14	NW SEC 31, T.18N, R.67E - 2.65AC SW SEC 31, T.18N, R.67E - 0.65AC SW SEC 31, T.18N, R.67E - 10.87AC SE SEC 31, T.18N, R.67E - 15.83 3/1 - 6/15		
10921			3375	CER	2/3/43	GEORGE ELDRIDGE AND SON INC.	SPR	SOUTH MILK CREEK	IRR	WP	SE	SE	23	17N	67E	0.79	570.73	AFA	240.74	SEC 23 & 24, T.17N, R.67E.	ALSO IRRIGATED BY 10921	
10993			3376	CER	9/1/43	GEORGE ELDRIDGE AND SON INC.	SPR	NORTH MILK CREEK	IRR	Y	WP	NW	SE	24	17N	67E	0.6	433.62	AFA	178.54	SEC 23 & 24, T.17N, R.67E.	
11311			3125	CER	6/9/45	HENRIOD, E.A.	UG	WELL NO. 1	STK	WP	SW	SE	19	23N	68E	0.017	2.3	MG		2300 SHEEP & 80 CATTLE 4/1 - 11/1		
11313			3126	CER	6/16/45	HENRIOD, E.A.	UG	MOONSHINE SPRINGS	STK	WP	SE	NE	2	22N	68E	0.017	2.47	MG		2300 SHEEP & 80 CATTLE 4/15 - 12/1		
11314			3138	CER	6/16/45	HENRIOD, E.A.	UG	WELL NO. 2	STK	WP	SW	SW	5	22N	68E	0.016	2.13	MG		500 CATTLE 4/1 - 11/1		
11354			3127	CER	9/11/45	DOUTURE, JAMES E, HENRIOD, E.A.	UG	WELL NO. 2	STK	WP	NE	NE	10	23N	67E	0.04	8.61	MGA		5000 SHEEP & 180 CATTLE		
11355			3075	CER	9/11/45	HENRIOD, EUGENE A.	UG		STK	WP	SE	SE	7	23N	68E	0.004	0.84	MGA		2300 SHEEP & 80 CATTLE		
12467			3702	CER	5/27/48	MINERVA SCHEELITE MINING CO.	UG		MM	WP	NE	SE	12	11N	67E	0.1	23.58	MGA		NE SEC 12, T.11N, R.67E.	NO CORPORATE LISTING @ SECRETARY OF STATE AS OF 5/20/1.	
12571			4846	CER	8/9/48	ROGERS, H.T.	SPR	BALCON SPRING	IRR, DOM	WP	SW	NE	21	15N	68E	0.334	65	AFA	16.082	SE SEC 21, T.15N, R.68E - 5.373AC SW SEC 21, T.15N, R.68E - 10.709 AC		
13457			4236	CER	7/31/50	GEORGE ELDRIDGE AND SON INC.	STR	NORTH GARDEN CREEK	IRR	WP	SE	SE	15	18N	68E	3.44	613.9	AFS	153.464	SEC 13, T.18N, R.68E 3/15 - 11/15		
13652			4159	CER	3/5/51	BERGER, ALFRED R., BERGER, TREVA L.	SPR	SPRING HILL	IRR, DOM	WP	NW	NW	21	15N	68E	0.03	8	AFA	2	NW NW SEC 21, T.15N, R.68E.		
15912			4808	CER	9/27/54	HARBECKE, FERN A., HARBECKE, ROBERT L.	STR	SHINGLE CREEK	IRR	Y	WP	NW	NE	13	13N	67E	1.593	6.40	AFS	160	SW 1/4 SEC 22, T.13N, R.67E. 3/20 - 11/20	JOINT USE AGREEMENT FOR SHINGLE CREEK, HARBECKE SUPP ACREAGE SPREAD SHEET IN FILE.
16890			4872	CER	3/29/56	PIERCE, L.L., PIERCE, RACHEL	UG		QM, DOM	WP	SW	NE	5	13N	68E	0.1	23.58	MGA		W 1/2 NE SEC 5, T.13N, R.68E.	SERVES HOME, GAS STATION & GARDEN.	
17017	4281	Y	4673	CER	8/20/56	HENBAUGH, R.O.	STR	WILLARD CREEK	IRR	WP	NE	NW	6	13N	68E	0.3182	97	AFS	31.82	SEC 13, T.13N, R.67E & SEC 6, T.13N, R.68E. 5/1 - 10/30	NTE 4.0 AF/AC TOTAL DUTY	
17163			4810	CER	1/28/57	HARBECKE, FERN A., HARBECKE, ROBERT L.	STR	SHINGLE CREEK	IRR, DOM	WP	NE	NW	22	13N	67E	1.6	3.20	AFS	80	S1/2 NW SEC 22, T.13N, R.67E. 4/1 - 10/31		
18043			5490	CER	6/8/59	NEVADA LAND & RESOURCE CO., LLC	UG	WELL DH NO. 1	STK	WP	SW	SW	31	12N	67E	0.0062	1.46	MGA		200 CATTLE NW NW SEC 31, T.12N, R.67E.		
18044			5672	CER	6/8/59	NEVADA LAND & RESOURCE CO., LLC	UG	WELL DH NO. 2	STK	WP	NW	NW	6	11N	67E	0.0022	0.51	MGA		200 CATTLE NW NW SEC 6, T.11N, R.67E.		
18045			5491	CER	6/8/59	NEVADA LAND & RESOURCE CO., LLC	UG	WELL DH NO. 3	STK	WP	NW	SE	35	11N	68E	0.01	2.36	MGA		400 CATTLE NW SE SEC 35, T.11N, R.68E.		
18183			5649	CER	9/3/59	HUNTINGTON, GLEN	SPR	VIOLET SPRING	MM	WP	NE	NW	25	14N	67E	0.5	78.85	MG		SW NW SEC 24, T.14N, R.67E. 4/1 - 11/30		
18254			6138	CER	1/19/60	PHILLIPS, ANITA D., PHILLIPS, JOHN R.	UG	FARNSWORTH SUMP	IRD	WP	NE	NE	26	12N	67E	1.0026	21.156	AFS	5.289	NE SEC 26, T.12N, R.67E. 4/1 - 11/1		
18255			6892	CER	1/19/60	PHILLIPS, ANITA D., PHILLIPS, JOHN R.	UG	FARNSWORTH WELL #2	IRD	WP	SE	SW	24	12N	67E	2.12	57.648	AFS	14.462	SE SEC 24, T.12N, R.67E - 8.429AC & SW SEC 24, T.12N, R.67E - 6.033AC 4/1 - 11/1		
18257			7567	CER	5/11/60	HUNTSMAN RANCH LIMITED LIABILITY CO.	UG		IRR	Y	WP	SE	12	12N	67E	3	544.337	AFS	4.48	SEC 13 & 24, T.12N, R.67E. 4/1 - 10/1	NTE 4.0 AF/AC. PART ABRG. BY 63531-CHG POD. Combined Duty Not to Exceed 1088.87	



Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 5 of 16)

Table with columns: APP #, CHANGE #, CHANGE, CERT #, STATUS, FILING DT, OWNER OF RECORD, SRC, SOURCE DESCRIPTION, USE, SUP CO, QTR, QTR, QTR, POINT OF DIVERSION (QTR, SEC, TWN, RING, CFS), DUTY, ACRES, UNIT, PLACE OF USE, NOTES.

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 6 of 16)**

APP #	CHANGE #	CHANGE	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	CO	POINT OF DIVERSION				RATE		DUTY	UNIT	ACRES	PLACE OF USE		NOTES
												QTR	QTR	SEC	TWN	RNG	CFS				ING	NOTE ON STOCK WATER RIGHTS WHERE A PERIOD OF USE IS NOT INDICATED, THE USE IS 11 - 1231.	
26655				RFA	4/7/72	GEORGE ELDRIDGE AND SON INC	SPR	UNNAMED SPRING	IRR	Y	WP	SW	SW	25	19N	68E	1	1040	AFA	260	SEC 25, 35 & 36, T.19N., R.68E.	LETTER 12/23/97 RE: CONTINUED INTEREST (?) NO RESPONSE IN FILE. PROTESTED BY B.H. ROBISON.	
26656				RFP	4/7/72	GEORGE ELDRIDGE AND SON INC	OS	UNNAMED SPRING	IRR	Y	WP	NW	SW	25	19N	68E	1	1280	AFA	320	SEC 25, 35 & 36, T.19N., R.68E.	LETTER 12/23/97 RE: CONTINUED INTEREST (?) NO RESPONSE IN FILE. PROTESTED BY B.H. ROBISON.	
26740				RFP	5/24/72	GEO. ELDRIDGE & SON INC.	OS	SLOUGH IN SPRING VALLEY	IRR		WP	SW	SW	33	17N	67E	3	533.33	AFA	400	SEC 22, 25, 26, 33, 34, 17N., R.67E.	PROTESTED BY CHACHAS, INC. H.T. ROGERS.	
26753	5691	Y	N	RFP	5/30/72	GEO. ELDRIDGE & SON, INC.	OS	SLOUGH IN SPRING VALLEY	IRR		WP	SW	SW	33	17N	67E	1,895	505.41	AFS	189.53	SEC 29, T.17N., R.67E. - 39 AC. NE NE SE NE SE SEC 33, T.17N., R.67E. - 103.93 AC. NW NW, SW NW, NW SW SEC 34, T.17N., R.67E. - 48.6 AC. 3/1 - 10/31	PROTESTED BY CHACHAS, INC. H.T. ROGERS.	
26862			8386	CER	9/7/72	HARBECKE, FERNA.	UG		IRR, DOM	Y	WP	NE	NW	22	13N	67E	2.5	239	AFA	59.75	NE SEC 16, T.13N., R.67E. - 39.83 AC. SE SEC 16, T.13N., R.67E. - 6.28 AC. NW SEC 16, T.13N., R.67E. - 12.40 AC. SW SEC 16, T.13N., R.67E. - 1.24 AC.	NTE 4.0 AFAC. Combined duty with 26228 and 26562 not to exceed 239 AFA	
26863			8387	CER	9/7/72	HARBECKE, FERNA.	UG		IRR, DOM	Y	WP	SE	SW	15	13N	67E	1,504	239	AFA	59.75	NE SEC 16, T.13N., R.67E. - 39.83 AC. SE SEC 16, T.13N., R.67E. - 6.28 AC. NW SEC 16, T.13N., R.67E. - 12.40 AC. SW SEC 16, T.13N., R.67E. - 1.24 AC.	NTE 4.0 AFAC. Combined duty with 26228 and 26562 not to exceed 239 AFA	
27378			8357	CER	3/28/73	NEVADA LAND & RESOURCE CO LLC	UG		IRR		WP	NE	NW	14	19N	68E	1.75	1266.64	AFA	332.29	SEC 11, 12 & 14, T.19N., R.68E.	NTE 4.0 AFAC	
27390			9772	CER	9/7/73	EL TEJON CATTLE CO.	STR	SPRING CREEK	IRR, DOM	Y	WP	NW	NE	32	13N	68E	2.3	923.24	AFA	205.81	SEC 35, T.13N., R.67E.	NTE 4.0 AFAC	
27400			9773	CER	9/7/73	EL TEJON CATTLE CO.	STR	PINE CREEK	IRR, DOM	Y	WP	NE	SE	12	13N	68E	3.2	753.8	AFA	188.45	SEC 35, T.13N., R.67E.	NTE 4.0 AFAC	
27411			9774	CER	9/7/73	EL TEJON CATTLE CO.	SPR	RAISED SPRING JACK RABBIT SPRING	IRR, DOM	Y	WP	NW	SW	20	13N	68E	0.5	361.99	AFA	188.45	SEC 35, T.13N., R.67E.	NTE 4.0 AFAC	
2742			9775	CER	9/7/73	EL TEJON CATTLE CO.	STR	RIDGE CREEK	IRR, DOM	Y	WP	NE	SE	18	13N	68E	3.2	753.8	AFA	188.45	SEC 35, T.13N., R.67E.	NTE 4.0 AFAC	
2743			9743	CER	9/7/73	EL TEJON CATTLE CO.	STR	SWALLOW CREEK	IRR, DOM		WP	SW	SW	4	11N	68E	87	12348.3	AFA	3097.08	SEE CERTIFICATE	NTE 4.0 AFAC	
2768			8979	CER	10/00	NEVADA DEPARTMENT OF FISH & GAME	UG		FISH, WILD REC		WP	SW	NE	2	12N	67E	0.0278	6.52	INGA		SW NE SEC 2, T.12N., R.67E.	TO REAR & RARE ENDANGERED SPECIES	
27801			9776	CER	11/15/73	EL TEJON CATTLE CO.	STR	HUB BASIN DRAINAGE	IRR, DOM	Y	WP	NW	SE	29	13N	68E	1.5	823.24	AFA	205.81	SEC 35, T.13N., R.67E.	NTE 4.0 AFAC	
27902			9744	CER	11/15/73	EL TEJON CATTLE COMPANY	SPR	UNNAMED	IRR, DOM		WP	NE	SW	5	11N	68E	0.46	66	AFA	16.5	SEC 5 & 6, T.11N., R.68E.	NTE 4.0 AFAC	
28653			10020	CER	9/9/74	SWALLOW, RICHARD M.	UG		IRR, DOM		WP	SE	NE	34	13N	67E	0.027	1.2	AFA	0.3	SE NE SEC 34, T.13N., R.67E.	NTE 4.0 AFAC	
28790			9777	CER	10/11/74	EL TEJON CATTLE COMPANY	SPR	UNNAMED SPRINGS	IRR, DOM	Y	WP	NE	NE	35	13N	67E	0.2	144.88	AFA	205.81	SEC 35, T.13N., R.67E.	NTE 4.0 AFAC	
28916	22483	Y	N	CER	10/22/74	GEORGE ELDRIDGE & SON INC.	STR	GORDON CREEK	IRR, DOM		WP	NW	SE	25	18N	68E	4.8	243.08	AFA	60.77	SEC 25, T.18N., R.68E & SEC 30, T.18N., R.67E.	PRIORITY DATE: 3/16/65 NTE 4.0 AFAC	
29162			10107	CER	1/24/75	HARBECKE, FERNA. A. HARBECKE, ROBERT L.	STR	SHINGLE CREEK	IRR, DOM	Y	WP	NW	NE	13	13N	67E	6.9	1036.68	AFA	259.17	SEC 15, 16 & 22, T.13N., R.67E.	NTE 4.0 AFAC	
29219	24898	N	Y	CER	2/13/75	CACHE VALLEY SYNDICATE TRUST, TRUSCHKE, MARIANNE	UG		IRR, DOM	Y	WP	SW	SE	26	13N	67E	2.34	1591.12	AFA	380.28	NNW SEC 28, T.13N., R.67E. - 39.26 AC. SWW SEC 28, T.13N., R.67E. - 40.00 AC. SW1/4 SEC 28, T.13N., R.67E. - 31.02 AC. NW1/4 SEC 28, T.13N., R.67E. - 160.00 AC. SW1/4 SEC 27, T.13N., R.67E. - 80.00 AC. ALL OF ABOVE = 390.28 AC.	PRIORITY DATE: 7/8/62 - 5/16/66 - APPS TO CHANGE POU DENIED. NTE 4.0 AFAC. CACHE VALLEY - 1.391 CFS, 0.21, 1.24, 2.30, 2.8 AC. TRUSCHKE - 0.959 CFS, 640.00 AF, 160.00 AC. Combined to total duty with 29220 and 29221 not to exceed 1561.12 AFA.	
29221	24899	N	Y	CER	2/13/75	CACHE VALLEY SYNDICATE TRUST, TRUSCHKE, MARIANNE	UG		IRR, DOM	Y	WP	SE	NW	26	13N	67E	1.89	1367.97	AFA	380.28	NNW SEC 28, T.13N., R.67E. - 39.26 AC. SWW SEC 28, T.13N., R.67E. - 40.00 AC. SW1/4 SEC 28, T.13N., R.67E. - 31.02 AC. NW1/4 SEC 28, T.13N., R.67E. - 160.00 AC. NW1/2 SEC 27, T.13N., R.67E. - 80.00 AC. SWNE SEC 27, T.13N., R.67E. - 40.00. ALL OF ABOVE = 390.28 AC.	PRIORITY DATE: 7/8/62 APPS 35652 & 51567 TO CHANGE POU BOTH DENIED. NTE 4.0 AFAC. CACHE VALLEY - 1.115 CFS, 807.15 AF, 230.28 AC. TRUSCHKE - 0.775 CFS, 660.82 AF, 160.00 AC. Combined total duty with 29219 and 29220	
29371			10328	CER	5/6/75	GOLDEN EAGLE MINING, INC.	UG		MM, DOM	Y	WP	SW	SW	22	14N	67E	1.11	261.796	MGA		SEC 21 - 24, & 26, T.14N., R.67E. Total combined duty with 29567 not to exceed 261.799 MGA	29371 & 29567 - NTE 1.11 CFS. 29371 & 29567 - NTE 261.788 MGA	
29567			10329	CER	8/8/75	GOLDEN EAGLE MINING, INC.	UG		MM, DOM	Y	WP	SW	SW	22	14N	67E	1.11	228.075	MGS		SEC 21 - 24, & 26, T.14N., R.67E. Total combined duty with 29371 not to exceed 261.788 MGA	29371 & 29567 - NTE 1.11 CFS. 29371 & 29567 - NTE 261.788 MGA	



Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 7 of 16)

APP #	CHANGE #	CHANGE	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	CO	POINT OF DIVERSION						RATE		DUTY	UNIT	ACRES	PLACE OF USE	NOTES	
												QTR	QTR	SEC	TWN	RNG	CFS	FT							
30319			10725	CER	6/6/76	PHILLIPS, ANITA D. PHILLIPS, JOHN R.	UG	IRR		7	WP	SW	SE	24	12N	67E	1.34	730.73	AFS	211.7	PORT OF SECS 24, 25, 26, T.12N., R.67E. NTE 4.0 AFAC				
31239			10334	CER	3/25/77	ROGERS, WARREN	UG	MM/DOM			WP	NW	SE	15	14N	67E	0.49	57.616	MGA		SECS 24 - 26, T.12N., R.67E. NTE 4.0 AFAC				
32030				DEN	6/13/77	SILVER STATE LAND COMPANY, LLC	UG	IRC			WP	NW	NE	14	14N	68E	10.2	2560	AFA	6.40	ALL IN SEC 14, T.14N., R.68E.				
32031				DEN	6/13/77	SILVER STATE LAND COMPANY, LLC	UG	IRC			WP	NW	NE	23	14N	68E	10.2	2560	AFA	6.40	ALL IN SEC 23, T.14N., R.68E.				
32032				DEN	6/13/77	SILVER STATE LAND COMPANY, LLC	UG	IRC			WP	NW	NE	24	14N	68E	10.2	2560	AFA	6.40	ALL IN SEC 24, T.14N., R.68E.				
32035				DEN	6/13/77	SILVER STATE LAND COMPANY, LLC	UG	IRC			WP	NW	NE	13	14N	68E	10.2	2560	AFA	6.40	ALL IN SEC 13, T.14N., R.68E.				
32036				DEN	6/13/77	SILVER STATE LAND COMPANY, LLC	UG	IRC			WP	NW	NE	26	14N	68E	10.2	2560	AFA	6.40	ALL IN SEC 26, T.14N., R.68E.				
34704				RA	12/7/77	SWALLOW, RICHARD B.	STR	LINCOLN CREEK & TRIBS.	IRR, DOM		WP	NW	SE	29	12N	68E	5	1780	AFA	4.40	PORT OF SECS 13, 24, 25 & 26 ALL IN T.12N., R.68E.				
34727			11889	CER	12/1/77	HARBECKE, FERN A. HARBECKE, ROBERT L.	UG	IRR, DOM		Y	WP	NW	NE	22	13N	67E	0.66	804.78	AFA	201.197	PORT OF SECS 13&22, T.13N., R.67E.				
38972			11632	CER	9/7/79	EL TEJON CATTLE COMPANY	UG	IRR, DOM			WP	NW	NE	35	13N	67E	1.75	788.48	AFA	192.12	PORT OF SECS 35, T.13N., R.67E.				
39455			10441	CER	11/1/79	HUNTSMAN RANCH LIMITED LIABILITY CO.	UG	STK			WP	SW	SW	13	12N	67E	0.02	4.72	MGA		750 CATTLE W/1/2 SW SEC 13, T.12N., R.67E.				
39816				PER	8/23/79	GEO. ELDRIDGE AND SON INC.	UG	WELL NO. 4	IRR, DOM	Y	WP	NE	NE	14	18N	68E	6	2800	AFA	8.80	SEC 12-14&24, T.18N., R.68E. & SEC 19 & 19, T.18N., R.67E.				
39817				PER	11/23/79	GEO. ELDRIDGE AND SON INC.	UG	WELL NO. 5	IRR, DOM		WP	SE	SW	13	18N	68E	6	1440	AFA	3.60	PORT OF SECS 18&19, T.18N., R.67E. NTE 4.0 AFAC				
39818				PER	8/23/79	GEO. ELDRIDGE AND SON INC.	UG	WELL NO. 6	IRR, DOM	Y	WP	SE	SE	24	18N	68E	6	3740	AFA	9.20	SEC 24, 25, 30, T.18N., R.68E. & SEC 19, 30 & 31, T.18N., R.67E.				
42248				RA	8/28/80	TEEL CHARLES F.	UG	IRD			WP	NE	SW	7	10N	67E	5.4	1280	AFA	3.20	W/1/2 SEC 7, T.10N., R.67E.				
42249				RA	8/28/80	TEEL CHARLES F.	UG	IRD			WP	NE	NW	7	10N	67E	5.4	1280	AFA	3.20	W/1/2 SEC 7, T.10N., R.67E.				
42250				RA	8/28/80	TEEL DOROTHY F.	UG	IRD			WP	NE	NW	6	10N	67E	5.4	1280	AFA	3.20	W/1/2 SEC 6, T.10N., R.67E.				
42251				RA	8/28/80	TEEL DOROTHY F.	UG	IRD			WP	NE	SW	6	10N	67E	5.4	1280	AFA	3.20	W/1/2 SEC 6, T.10N., R.67E.				
43434				DEN	3/30/81	WHITE PINE COUNTY	UG	WELL NO. S1	IND		WP	NE	NE	1	14N	68E	6					SEC 1, 2, 11, 14, N 1/2 SEC 23, N 1/2 SEC 24 ALL IN T.14N., R.68E.			
43435				DEN	3/30/81	WHITE PINE COUNTY	UG	WELL NO. S2	IND		WP	NE	NE	2	14N	68E	6						SEC 1, 2, 11, 14, N 1/2 SEC 23, N 1/2 SEC 24 ALL IN T.14N., R.68E.		
43436				DEN	3/30/81	WHITE PINE COUNTY	UG	WELL NO. S3	IND		WP	NE	NE	11	14N	68E	6						SEC 1, 2, 11, 14, N 1/2 SEC 23, N 1/2 SEC 24 ALL IN T.14N., R.68E.		
43437				DEN	3/30/81	WHITE PINE COUNTY	UG	WELL NO. S4	IND		WP	NE	NE	12	14N	68E	6						SEC 1, 2, 11, 14, N 1/2 SEC 23, N 1/2 SEC 24 ALL IN T.14N., R.68E.		
43438				DEN	3/30/81	WHITE PINE COUNTY	UG	WELL NO. S5	IND		WP	NE	NE	13	14N	68E	6						SEC 1, 2, 11, 14, N 1/2 SEC 23, N 1/2 SEC 24 ALL IN T.14N., R.68E.		
43439				DEN	3/30/81	WHITE PINE COUNTY	UG	WELL NO. S6	IND		WP	NE	NE	14	14N	68E	6						SEC 1, 2, 11, 14, N 1/2 SEC 23, N 1/2 SEC 24 ALL IN T.14N., R.68E.		
45287	29907	Y	11017	CER	2/5/82	BRANSFORD, ROBERT M.	UG	IRR, DOM			WP	NE	SW	12	12N	67E	1.35	312.8	AFA	78.2	SWNWSEC12, T.12N., R.67E.-40.0 AC. NE SW SEC 12, T.12N., R.67E.-38.2 AC.				
45496			11965	CER	4/2/82	OKELBERRY, RAY	UG	STK, DOM			LI	SE	NW	23	08N	68E	0.1203	28.1	MGA		1850 CATTLE & 10,000 SHEEP SE NW SEC 23, T.18N., R.68E.				
45675				RA	5/17/82	GEO. ELDRIDGE AND SON INC.	STR	LITTLE NIGGER CREEK	PWR		WP	SE	SE	15	18N	68E	8					SWNWSEC13, T.18N., R.68E. SE NE SEC 14, T.18N., R.68E.			
45678				RA	5/17/82	GEO. ELDRIDGE & SON INC.	STR	EIGHT MILE CREEK	PWR		WP	NW	SW	27	18N	68E	2					SE NE SEC 31, T.18N., R.68E.			
45748			6/382	RFP	6/3/82	ELDRIDGE, BRENTLEIGH C. MICHAEL, ELDRIDGE, GAIL, ELDRIDGE, GORDON D.	STR	NIGGER CREEK	PWR		WP	NW	NW	17	18N	68E	10					LOT 1, 2 SEC 2, T.16N., R.67E.			

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 8 of 16)**

APP #	CHANGE #	CHANGE #	POU	MOU	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	CO	POINT OF DIVERSION				RATE		DUTY	UNIT	ACRES	PLACE OF USE	NOTES
														QTR	QTR	SEC	TWN	RNG	CFS					
45749						RFA	6/3/82	ELDRIDGE BRENT/ELDRIDGE C. MICHAEL/ELDRIDGE DENNIS H./ELDRIDGE GORDON D./NEVADA LAND & RESOURCE CO LLC	STR	VIPONT CREEK	PWR		WP	NE	NW	1	18N	68E	6				LOT 3, SE NW/SEC 6, T. 16N., R. 67E.	HYDRO-ELECTRIC POWER GENERATION, 0.0 CFS TO ELDRIDGE BRENT/ELDRIDGE C. MICHAEL/ELDRIDGE DENNIS H./ELDRIDGE GORDON D.
45750						RFA	6/3/82	ELDRIDGE BRENT/ELDRIDGE C. MICHAEL/ELDRIDGE DENNIS H./ELDRIDGE GORDON D./NEVADA LAND & RESOURCE CO LLC	STR	CLEVE CREEK	PWR		WP	NW	NE	34	18N	68E	50				S 1/2 SE SEC 13, T. 16N., R. 68E.	HYDRO-ELECTRIC POWER GENERATION 25.0 CFS; TO EACH OWNER
45798	43434	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-11	IND	WP	SW	NE	36	17N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45799	43434	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-12	IND	WP		LT03	1	18N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45800	43434	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-13	IND	WP	SE	SE	2	18N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45801	43434	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-14	IND	WP	NW	SE	11	18N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45802	43434	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-15	IND	WP	NE	SW	14	18N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45803	43434	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-16	IND	WP	NW	SW	23	18N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45804	43435	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-17	IND	WP	SE	SE	34	18N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45805	43435	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-18	IND	WP	NE	SE	2	15N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45806	43435	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-19	IND	WP	SW	SE	11	18N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45807	43435	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-10	IND	WP	SW	SE	14	15N	67E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45808	43435	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-21	IND	WP	NE	NE	35	18N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45809	43435	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-22	IND	WP	SE	SE	35	18N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45810	43436	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-28	IND	WP	SE	SE	35	15N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45811	43436	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-29	IND	WP	SE	SE	2	14N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45812	43436	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-10	IND	WP	SE	SE	11	14N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45813	43436	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-21	IND	WP	SE	SE	14	14N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45814	43436	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-22	IND	WP	SE	SW	23	14N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45815	43436	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-13	IND	WP	SW	SW	26	14N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45816	43437	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-23	IND	WP	SE	SW	1	15N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45817	43437	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-24	IND	WP	SE	SW	12	15N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45818	43437	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-25	IND	WP	NW	SW	13	15N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45819	43437	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-26	IND	WP	SE	NE	23	15N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45820	43437	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-27	IND	WP	NE	SE	26	15N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	
45821	43437	Y	Y	N		DEN	6/16/82	WHITE PINE COUNTY	UG	WELLNO. SP-1	IND	WP	NW	SE	25	15N	68E	1	26063	AFA			TOTAL OF 36 APPS 26063 AF	



Table A-2 Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006 (Page 9 of 16)

Table with columns: APP #, CHANGE #, CHANGE, CERT #, STATUS, FILING DT, OWNER OF RECORD, SRC, SOURCE DESCRIPTION, USE, SUP, CO, QTR, QTR, SEC, TWN, RING, RATE, DUTY, ACRES, PLACE OF USE, NOTES. Rows include various water rights entries for Spring Valley, detailing change numbers, status, filing dates, owners, sources, and usage details.

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
 (Page 10 of 16)

APP #	CHANGE #	CHANGE	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	POINT OF DIVERSION						RATE		DUTY	UNIT	ACRES	PLACE OF USE	NOTES
											QTR	QTR	SEC	TWN	RNG	CFS	ING						
54009				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	NW	36	13N	68E	6					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54010				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SE	25	14N	68E	6					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54011				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	NE	14	14N	68E	6					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54012				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SE	16	14N	67E	6	1415.46		MGA		CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54013				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SW	25	15N	68E	6					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54014				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SW	15	15N	67E	6	1415.46		MGA		CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54015				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SW	14	15N	67E	6	1415.46		MGA		CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54016				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	NE	7	15N	67E	6	1415.46		MGA		CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54017				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	NW	25	16N	68E	6					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54018				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SE	24	16N	68E	6					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54019				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SW	32	12N	68E	10					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54020				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SE	14	14N	67E	10					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54021				RFP	10/17/89	LAS VEGAS VALLEY WATER DISTRICT	UG		MUN		WP	SW	33	16N	68E	10					CLARK, LINCOLN, NYE & WHITE PINE COUNTIES	INTERIM RULING NO. 3825, LIST OF PROTESTANTS IN FILES.	
54204				REA	12/1/89	GUBLER LAND AND LIVESTOCK, INC.	UG		IRR, DOM	Y	WP	NW	19	18N	67E	3	2171.91		AFA	920	PORT OF SEC 13, T.18N., R.66E. AND ALL OF SEC 18, & PORT OF SEC 19 BOTH IN T.18N., R.67E. - 1231	1/1	
54205				REA	12/1/89	GUBLER LAND AND LIVESTOCK, INC.	UG		IRR, DOM	Y	WP	SE	13	18N	68E	3	2171.91		AFA	920	PORT OF SEC 13, T.18N., R.66E. AND ALL OF SEC 18, & PORT OF SEC 19 BOTH IN T.18N., R.67E. - 1231	1/1	
55383				RFP	10/11/90	NEVADA LAND & RESOURCE CO LLC	SPR	UNNAMED SPRING NO. 1	IRR		WP	SW	1	18N	68E	0.25	180.95		AFA	400	PORT SEC 1 & 12, T.18N., R.66E & PORT OF SEC 7, T.18N., R.67E. - 1231		
55384				RFP	10/11/90	NEVADA LAND & RESOURCE CO LLC	SPR	UNNAMED SPRING NO. 2	IRR		WP	NE	1	18N	68E	0.25	180.95		AFA	400	PORT SEC 1 & 12, T.18N., R.66E & PORT OF SEC 7, T.18N., R.67E. - 1231		
55385				RFP	10/11/90	NEVADA LAND & RESOURCE CO LLC	SPR	UNNAMED SPRING NO. 3	IRR		WP	NE	1	18N	68E	0.25	180.95		AFA	400	PORT SEC 1 & 12, T.18N., R.66E & PORT OF SEC 7, T.18N., R.67E. - 1231		
55386				RFP	10/11/90	NEVADA LAND & RESOURCE CO LLC	SPR	UNNAMED SPRING NO. 4	IRR		WP	SW	1	18N	68E	0.25	180.95		AFA	400	PORT SEC 1 & 12, T.18N., R.66E & PORT OF SEC 7, T.18N., R.67E. - 1231		
55387				RFP	10/11/90	NEVADA LAND & RESOURCE CO LLC	SPR	UNNAMED SPRING NO. 5	IRR		WP	NE	12	18N	68E	0.25	1600		AFA	400	PORT SEC 1 & 12, T.18N., R.66E & PORT OF SEC 7, T.18N., R.67E. - 1231	1/1	
55388				RFP	10/11/90	NEVADA LAND & RESOURCE CO LLC	SPR	UNNAMED SPRING NO. 6	IRR		WP	NE	12	18N	68E	0.25	1600		AFA	400	PORT SEC 1 & 12, T.18N., R.66E & PORT OF SEC 7, T.18N., R.67E. - 1231	1/1	
55389				RFP	10/11/90	NEVADA LAND & RESOURCE CO LLC	SPR	UNNAMED SPRING NO. 7	IRR		WP	NE	12	18N	68E	0.25	1600		AFA	400	PORT SEC 1 & 12, T.18N., R.66E & PORT OF SEC 7, T.18N., R.67E. - 1231	1/1	
55270				RFP	10/11/90	NEVADA LAND & RESOURCE CO LLC	STR	MCCOY CREEK	IRR, DOM		WP	SW	35	18N	68E	10	3200		AFA	800	PORT OF SECS 31 & 32, T.18N., R.67E. & PORT OF SEC 35, ALL IN T.17N., R.67E. - 1231	PROTESTED BY CITY OF ELY	
56049	38916			PER	3/25/91	GEO. ELDRIDGE & SON INC.	UG		IRR		WP	SE	24	19N	68E	3	7.20		AFA	180	PORT OF SECS 24 & 25, T.19N., R.68E. & PORT OF SEC 30, T.19N., R.67E.	PROTESTED BY CITY OF ELY & BLM.	
56050	38917	Y	N	PER	3/25/91	GEO. ELDRIDGE & SON INC.	UG		IRR, DOM	Y	WP	SE	31	18N	68E	1	2.40		AFA	60	E 1/2 SEC 31, T.18N., R.68E.	BY ISSUANCE OF PERMIT 56049 & 56050, PERMIT 38916 IS REDUCED TO 3.0 CFS FOR THE IRRIGATION OF 640 AC WITH THE POOL OF 38916.	
56051	38918	Y	N	PER	3/25/91	GEO. ELDRIDGE & SON INC.	UG		IRR, DOM		WP	SE	26	19N	68E	1	2.40		AFA	60	SW 1/4 SEC 25; E 1/2 SEC 26 IN T.19N., R.68E.	PER 5923 & V01648 NTE 240 AFYR.	
56236				PER	4/26/91	CLIFFORD, PAUL C. JR.	SPR	UNNAMED SPRING	QM		WP	SW	21	21N	68E	0.007	4.04		AFA		SW SW SEC 21, T.21N., R.69E.	BY ISSUANCE OF 56049 & 56050 PERMIT NO. 38916 IS REDUCED TO 3.0 CFS FOR THE IRRIGATION OF 640 AC WITH THE POOL OF 38916. Supplemental to Eight Mile Creek.	



Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 11 of 16)

APP #	CHANGE #	CHANGE #	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	CO	POINT OF DIVERSION				RATE		DUTY	UNIT	ACRES	PLACE OF USE		NOTES
												QTR	QTR	SEC	TWN	RNG	CFS				RING	NOTE ON STOCK WATER RIGHTS WHERE A PERIOD OF USE IS NOT INDICATED, THE USE IS 11 - 1231.	
59134				PER	9/29/92	BLM	UG	SHOSHONE WELL NO. 2	STK		WP	LOT 7	2	12N	67E	0.0035	2.47	MGA		306CATTLE; 15DEFEORER; 10ANTELOPE LOT 7, SEC 2, T.12N., R. 67E.		APP 60096 TO CHANGE POB & POI.	
59302	25524	Y	N	PER	1/15/92	MINEL, INC.	UG		MMI, DOM		WP	SE	21	14N	67E	6	98.55	MGA		NW 1/4 SEC 14, SE SEC 16, NE 1/4 SEC 21, LOT 7, SEC 2, T.12N., R. 67E.			
59494				RFA	1/21/93	HARBECCKE, FERN A., HARBECCKE, ROBERT L.	STR	SHINGLE CREEK	PWR		WP	NW	13	13N	67E	4	0			NW 1/4 SEC 22, ALL IN T.14N., R. 67E.		HYDROELECTRIC POWER	
60096	58134	Y	N	RFA	5/24/94	BLM	UG	SHOSHONE WELL #2	STK		WP	SW	2	12N	67E	0.0035	2.47	MGA		SE SW SEC 14, T.13N., R. 67E.			
60104			18135	CER	5/27/94	HARBECCKE, ROBERT L. & FERN A.	UG		STK		WP	NW	16	13N	67E	0.0031	0.73	MGA		500 SHEEP			
63453				RFP	9/23/97	SWALLOW, RICHARD M.	UG		IRR, DOM		WP	NE	26	13N	67E	2.7	6.40	AFA	160	NE 1/4 SEC 34, T.13N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE	
63531	18827	Y	N	PER	10/24/97	HUNTSMAN RANCH L.L.C.	UG	HUNTSMAN WELL # 3	IRR	Y	WP	NE	13	12N	67E	1.5	544.33	AFS	4.48	PORT OF SEC 5, 13 & 24, T.12N., R. 67E.		PERMIT NOS: 18827 & 63531 NTE 1088 867 AFA.	
63532				RFP	10/24/97	HUNTSMAN RANCH L.L.C.	UG	HUNTSMAN WELL # 1	IRR, DOM		WP	SE	13	12N	67E	1.7	1230.75	AFA	500	PORT OF SEC 5, 13 & 24, T.12N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE.	
63533				RFP	10/24/97	HUNTSMAN RANCH L.L.C.	UG	HUNTSMAN WELL # 2	IRR, DOM		WP	NE	13	12N	67E	1.7	1230.75	AFA	500	PORT OF SEC 5, 13 & 24, T.12N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE.	
64682				RFP	12/11/98	LINCOLN COUNTY/WIDLER WATER COMPANY, INC.	UG		IRR		LI	SE	9	08N	68E	10	5210	AFA	1280	N 1/2 SEC 9, SEC 3 & 4 ALL IN T.8N., R. 68E.		PROTESTED BY NATIONAL PARK SERVICE, VIRGIN VALLEY W.D. & L.V.W.D.	
64683				RFP	12/11/98	LINCOLN COUNTY/WIDLER WATER COMPANY, INC.	UG		IRR		LI	NE	3	08N	68E	10	5210	AFA	1280	N 1/2 SEC 9, SEC 3 & 4 ALL IN T.10N., R. 68E.		PROTESTED BY NATIONAL PARK SERVICE, VIRGIN VALLEY W.D. & L.V.W.D.	
65228				RFP	7/23/99	BOWLER, KENDLE	UG		IRR		WP	NE	5	13N	67E	1.788	1280	AFA	320	W 1/2 SEC 5, T.13N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE.	
65430				RFP	8/19/99	TEEPLES, LISA	UG		IRR		LI	NE	12	08N	67E	1.77	1280	AFS	320	N 1/2 SEC 12, 15N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65431				RFP	8/19/99	LAME, TRISTA	UG		IRR		LI	NW	2	08N	67E	1.77	1280	AFS	320	NE 1/4 SEC 2, 7.8N., R. 67E. & SE 1/4 SEC 3, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65432				RFP	8/19/99	DUNN, JASON	UG		IRR		LI	SW	1	08N	67E	1.77	1280	AFS	320	W 1/2 SEC 1, 13N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65433				RFP	8/19/99	DUNN, HEIDI	UG		IRR		LI	SW	1	08N	67E	1.77	1280	AFS	320	E 1/2 SEC 1, T.9N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65434				RFP	8/19/99	HUMPHRIES, AMBER	UG		IRR		WP	SE	36	10N	67E	1.77	1280	AFS	320	S 1/2 SEC 36, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65435				RFP	8/19/99	TEEPLES, JEREMY K.	UG		IRR		LI	SE	2	08N	67E	1.77	1280	AFS	320	NE 1/4 SEC 11, T.9N., R. 67E. & SE 1/4 SEC 2, T.9N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65436				RFP	8/19/99	HANBERG, TRAVIS	UG		IRR		WP	SE	4	10N	67E	0	1280	AFA	320	E 1/2 SEC 4, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65437				RFP	8/19/99	JONES, RULON C.	UG		IRR		WP	SE	16	10N	67E	0	1280	AFA	320	E 1/2 SEC 16, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65438				RFP	8/19/99	BOWLER, ROBIN L.	UG		IRR		WP	SE	3	10N	67E	0	1280	AFA	320	W 1/2 SEC 3, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65439				RFP	8/19/99	JONES, SHIRLEY T.	UG		IRR		WP	SE	15	10N	67E	0	1280	AFA	320	W 1/2 SEC 15, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65440				RFP	8/19/99	JONES, GARRIK	UG		IRR		WP	SW	8	10N	67E	0	1280	AFA	320	E 1/2 SEC 8, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65441				RFP	8/19/98	JONES, LYNC	UG		IRR		WP	SW	10	10N	67E	0	1280	AFA	320	W 1/2 SEC 10, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65442				RFP	8/19/98	DUNN, JUSTIN K.	UG		IRR		WP	SW	9	10N	67E	0	1280	AFA	320	W 1/2 SEC 9, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65443				RFP	8/19/98	DUNN, CARL	UG		IRR		WP	SE	9	10N	67E	0	1280	AFA	320	E 1/2 SEC 9, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65444				RFP	8/19/98	HITCH, JILL	UG		IRR		WP	SE	6	10N	67E	0	1280	AFA	320	W 1/2 SEC 6, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65445				RFP	8/19/98	HITCH, MATTHEW S.	UG		IRR		WP	SE	6	10N	67E	0	1280	AFA	320	E 1/2 SEC 6, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65446				RFP	8/19/98	ORTON, BRENDA	UG		IRR		WP	SE	5	10N	67E	0	1280	AFA	320	E 1/2 SEC 5, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65447				RFP	8/19/98	ORTON, ERROL	UG		IRR		WP	SE	5	10N	67E	0	1280	AFA	320	W 1/2 SEC 5, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65448				RFP	8/19/98	HANBERG, EMILY	UG		IRR		WP	SE	4	10N	67E	0	1280	AFA	320	W 1/2 SEC 4, T.10N., R. 67E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65449				RFP	8/19/98	HUMPHRIES, BRANDON	UG		IRR		WP	NE	1	10N	68E	1.77	1280	AFS	320	N 1/2 SEC 1, T.10N., R. 68E.		PROTESTED BY NATIONAL PARK SERVICE, EL TEJON CATTLE CO. & L.V.W.D.	
65605				RFP	10/15/99	LONG NOW FOUNDATION (THE)	OG WI	DRAINAGE UNDERGROUND MINESHAFT	QM		WP	SW	15	12N	68E	0.2	1.12	MGA		PORT SEC 5, 11, 14, 15, 22 & 23, T.12N., R. 68E.		PROTESTED BY U.S. FOREST SERVICE	

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
 (Page 12 of 16)

APP #	CHANGE #	CHANGE	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	CO	POINT OF DIVERSION					RATE			DUTY	UNIT	ACRES	PLACE OF USE		NOTES
												QTR	QTR	SEC	TWN	RNG	CFS	FT	SEC				FRAC	PERCENT	
65941				PER	10/29/98	FAVA, PAUL D. FAVA, SHEILA M.	UG	SPRINGS HILL SPRINGS	OM		WP	SE	17	18N	68E	0.05	0.73	MGA			5	SE SE SEC 17, T.18N., R.68E.			
66734				PER	8/23/00	ELLMAN, KRISTINE K. FULLMAN, PATRICK D.	SFR	SPRINGS HILL SPRINGS	IRR		WP	NW	21	18N	68E	0.03	20	AFA			960	W 1/2 SEC 17, T.18N., R.68E.			PROTESTED BY LYMAN HUNTSMAN, R & F HERBECKE & EL TEJON CATTLE CO.
67084				RFP	1/9/01	FREHNER, DAN	UG		IRR		LI	NW	30	08N	68E	10	0			640	ALL OF SEC 19 & W 1/2 OF SEC 30, T.9N., R.68E.				PROTESTED BY LYMAN HUNTSMAN, R & F HERBECKE & EL TEJON CATTLE CO.
67095				RFP	1/9/01	FREHNER, DAN	UG		IRR		LI	SW	31	08N	68E	10	0			1280	ALL SEC 31, T.9N., R.68E.				PROTESTED BY LYMAN HUNTSMAN, R & F HERBECKE & EL TEJON CATTLE CO.
67096				RFP	1/9/01	FREHNER, DAN	UG		IRR		LI	NE	7	08N	68E	10	0			1280	ALL OF SEC 19, E 1/2 SEC 6, E 1/2 SEC 7, T.9N., R.68E.				PROTESTED BY LYMAN HUNTSMAN, R & F HERBECKE & EL TEJON CATTLE CO.
67097				RFP	1/9/01	FREHNER, DAN	UG		IRR		LI	SW	24	08N	67E	10	0			1280	ALL OF SEC 13, E 1/2 SEC 24, E 1/2 SEC 25, T.9N., R.67E.				PROTESTED BY LYMAN HUNTSMAN, R & F HERBECKE & EL TEJON CATTLE CO.
67098				RFP	1/9/01	PEARSON, LEE	UG		IRR		LI	NE	1	08N	67E	10	0			960	E 1/2 SEC 1, T.9N., R.67E; W 1/2 SEC 8 & W 1/2 SEC 7, T.9N., R.68E.				PROTESTED BY LYMAN HUNTSMAN, R & F HERBECKE & EL TEJON CATTLE CO.
67099				RFP	1/9/01	PEARSON, LEE	UG		IRR		LI	SE	12	08N	67E	10	0			960	ALL SEC 12, W 1/2 SEC 1, ALL IN T.9N., R.67E.				PROTESTED BY LYMAN HUNTSMAN, R & F HERBECKE & EL TEJON CATTLE CO.
67319				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	STONE HOUSE 1	IRR, DOM		WP	SW	8	22N	68E	6	1920	AF	480	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67320				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	STONE HOUSE 2	IRR, DOM		WP	SW	17	22N	68E	6	1920	AF	480	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67321				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	LARSON	IRR, DOM		WP	NW	29	22N	68E	6	1440	AF	300	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67322				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	OSBORNE	IRR		WP	NW	9	21N	68E	2.7	640	AF	160	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67323				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	HQ. MEADOW CREEK 1	IRR, DOM		WP	NE	14	19N	68E	6	2560	AF	640	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67324				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	HQ. MEADOW CREEK 2	IRR, DOM		WP	NW	11	19N	68E	6	2560	AF	640	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67325				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	O'NEAL/KEGAN MEADOWS 1	IRR, DOM		WP	NE	26	19N	68E	6	4680	AF	1240	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67326				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	O'NEAL/KEGAN MEADOWS 2	IRR, DOM		WP	NE	36	19N	68E	6	4680	AF	1240	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67327				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	KEGAN RANCH 1	IRR, DOM		WP	NW	12	18N	68E	6	2200	AF	550	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67328				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	KEGAN RANCH 2	IRR, DOM		WP	NW	13	18N	68E	2.4	480	AF	120	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67329				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	HOMIE RANCH	IRR, DOM		WP	SW	24	18N	68E	6	1920	AF	480	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67330				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	MCCOY 1	IRR, DOM		WP	NW	6	17N	67E	6	9280	AF	2320	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67331				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	MCCOY 2	IRR, DOM		WP	NE	12	17N	68E	6	9280	AF	2320	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67332				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	MCCOY 3	IRR, DOM		WP	NE	30	18N	67E	3.4	800	AF	200	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67333				RFP	3/12/01	VIDLER WATER COMPANY, INC.	UG	T. PROPERTY	IRR, DOM		WP	SW	34	17N	67E	4.7	1120	AF	280	1/1 - 12/31					53 PROTESTS. COPY OF PROTEST LIST IN FILE.
67886				PER	8/6/01	HUNTSMAN RANCH L.L.C.	UG		IRR	Y	WP	SE	12	12N	67E	0.728	0	AFA	448	4/1 - 10/1					PER 1827 & 67886 NTE 2.20 CFS, 1827 65351, 67886, 67887 CWF, 1088.667 AFA. SURFACE WATER MUST BE USED BEFORE 65351 & 67887 NTE 2.20 CFS.
67887				PER	8/6/01	HUNTSMAN RANCH L.L.C.	UG	HUNTSMAN WELL NO. 3	IRR	Y	WP	NE	13	12N	67E	0.728	0	AFA	448	4/1 - 10/1					PERMIT NOS. 1827 & 65351 NTE 1088.667 AFA, 65351 & 67887 NTE 2.20 CFS.
68087	29220	Y	N	RFP	8/21/02	TRUSCHKE, MARIANNE	UG		IRR, DOM		WP	SW	26	13N	67E	0.775	560.82	AFA	160	1/1 - 12/31					PROTESTED BY KENDEL BOWEN, EL TEJON CATTLE CO.
69264	29221	Y	N	RFP	8/21/02	TRUSCHKE, MARIANNE	UG		IRR, DOM		WP	SW	26	13N	67E	0.594	430.36	AFA	160	1/1 - 12/31					PROTESTED BY KENDEL BOWEN, EL TEJON CATTLE CO.
69264				RFA	10/21/02	MOYLE, LANE	UG		MM		WP	NW	15	14N	67E	0.49	0	MGA	0					115.933 MGA PER APPLICATION	
69316	58483	Y	N	PER	11/6/02	HARBECKE, ROBERT L. & FERN A.	UG		IRR, DOM	Y	WP	SW	22	13N	67E	4.5	1080	AFA	270	1/1 - 12/31					SAME AS 59493



Table A-2 Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006 (Page 13 of 16)

APP #	CHANGE #	CHANGE #	CHANGE #	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP CO	POINT OF DIVERSION							RATE	DUTY	UNIT	ACRES	PLACE OF USE		NOTES
												QTR	QTR	SEC	TWN	RNG	CFS	QTR					QTR	SEC	
69726					RFA	3/12/03	CORP OF CHURCH JESUS CHRIST OF LDS	UG		IRR	WP	SE	SW	35	17N	67E	4	0	AFA	200		NW 1/4 NE 1/4 SW 1/4 N 1/2 SE SEC 36, T.17N, R.67E.			
69727					RFA	3/12/03	CORP OF CHURCH JESUS CHRIST OF LDS	UG		IRR	WP	NW	SE	35	17N	67E	4	0	AFA	200		NW 1/4 NE 1/4 SW 1/4 N 1/2 SE SEC 36, T.17N, R.67E.			
70373	43434	Y	Y		RFP	8/28/03	WHITE PINE COUNTY	UG		IRR, DOM	WP	NE	SW	5	13N	67E	1,768	1,280	AFA	320		W 1/2 SEC 36, T.13N, R.67E.			RATE IS PRO BATA, PROTESTED BY EL TELON CATTLE CO; NV LAND & WATER RES. L.V.V.W.D. AGREEMENT WHITE PINE COUNTY & WAHOO RANCH, LLC.
70374	43435	Y	Y		RFP	8/28/03	WHITE PINE COUNTY	UG		IRR, DOM	WP	SE	SW	36	10N	67E	1,768	1,280	AFA	320		S 1/2 SEC 36, T.10N, R.67E.			RATE IS PRO BATA, PROTESTED BY EL TELON CATTLE CO; NV LAND & WATER RES. L.V.V.W.D. AGREEMENT WHITE PINE COUNTY & WAHOO RANCH, LLC.
70375	43436	Y	Y		RFP	8/28/03	WHITE PINE COUNTY	UG		IRR, DOM	WP	SE	NW	3	10N	67E	1,768	1,280	AFA	320		W 1/2 SEC 3, T.10N, R.67E.			RATE IS PRO BATA, PROTESTED BY EL TELON CATTLE CO; NV LAND & WATER RES. L.V.V.W.D. AGREEMENT WHITE PINE COUNTY & WAHOO RANCH, LLC.
70376	43437	Y	Y		RFP	8/28/03	WHITE PINE COUNTY	UG		IRR, DOM	WP	NE	NW	1	10N	68E	1,768	1,280	AFA	320		N 1/2 SEC 1, T.10N, R.68E.			RATE IS PRO BATA, PROTESTED BY EL TELON CATTLE CO; NV LAND & WATER RES. L.V.V.W.D. AGREEMENT WHITE PINE COUNTY & WAHOO RANCH, LLC.
R05269					RES	4/5/91	BLM	SPR	4WD SPRING	OTH	WP	SE	NW	30	15N	67E	0.005	1.17	MGA			148 CATTLE & 65 ANTELOPE			
R05272					RES	4/5/91	BLM	SPR	UNNAMED SPRING	OTH	WP	SE	NW	30	15N	67E	0.083	21.91	MGA			1351 CATTLE, 65 ANTELOPE & 8190 SHEEP			
R05273					RES	4/5/91	BLM	SPR	SPRING CREEK SPRINGS	OTH	WP	SE	SE	30	13N	67E	0.003	0.7	MGA			76 CATTLE & 125 ANTELOPE			
R05274					RES	4/5/91	BLM	SPR	UNNAMED SPRING	OTH	WP	SE	NW	24	13N	67E	0.003	0.6	MGA			76 CATTLE & 32 DEER			
R05275					RES	4/5/91	BLM	SPR	WANT SPRING	OTH	WP	NW	NE	36	15N	68E	0.008	1.8	MGA			242 CATTLE, 12 DEER & 15 ANTELOPE			
R05276					RES	4/5/91	BLM	SPR	DEER SPRING	OTH	WP	NE	SW	26	08N	67E	0.018	1.88	MGA			513 CATTLE, 69 HORSES & 75 DEER			NOTE: THIS RIGHT PLOTS IN SNAKE VALLEY (HA 195)
R05278					RES	4/5/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NW	NW	30	15N	67E	0.083	21.91	MGA			1351 CATTLE, 8190 SHEEP & 65 ANTELOPE			
R05279					RES	4/8/91	BLM	SPR	UNNAMED SPRING	OTH	WP	SE	NW	4	15N	67E	0.011	2.59	MGA			346 CATTLE, 12 DEER & 80 ANTELOPE			
R05280					RES	4/8/91	BLM	SPR	UNNAMED SPRING	OTH	WP	SW	SW	4	15N	67E	0.011	2.59	MGA			346 CATTLE, 12 DEER & 80 ANTELOPE			
R05281					RES	4/8/91	BLM	SPR	ROCK SPRING	OTH	WP	SW	NW	8	15N	68E	0.042	2.64	MGA			346 CATTLE, 25 DEER, 50 ANTELOPE & 5 BIGHORN			
R05282					RES	4/8/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NW	SE	8	15N	68E	0.042	9.9	MGA			1351 CATTLE, 4 ELK, 25 DEER, 50 ANTELOPE & 5 BIGHORN			
R05283					RES	4/8/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NE	NE	8	15N	68E	0.042	9.9	MGA			1351 CATTLE, 4 ELK, 25 DEER, 50 ANTELOPE & 5 BIGHORN			
R05284					RES	4/8/91	BLM	SPR	UNNAMED SPRING	OTH	WP	SE	NE	8	15N	68E	0.042	9.9	MGA			1351 CATTLE, 4 ELK, 25 DEER, 50 ANTELOPE & 5 BIGHORN			
R05285					RES	4/8/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NW	SW	8	15N	68E	0.042	9.9	MGA			1351 CATTLE, 4 ELK, 25 DEER, 50 ANTELOPE & 5 BIGHORN			
R05286					RES	4/8/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NW	NW	17	15N	68E	0.042	9.9	MGA			1351 CATTLE, 4 ELK, 25 DEER, 50 ANTELOPE & 5 BIGHORN			
R05287					RES	4/15/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NE	NW	22	16N	68E	0.028	6.6	MGA			510 CATTLE, 2000 SHEEP & 15 ANTELOPE			
R05288					RES	4/15/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NW	NW	22	16N	68E	0.028	6.6	MGA			510 CATTLE, 2000 SHEEP & 15 ANTELOPE			
R05289					RES	4/15/91	BLM	SPR	UNNAMED SPRING	OTH	WP	SW	SW	22	16N	68E	0.054	12.73	MGA			1351 CATTLE, 2000 SHEEP & 15 ANTELOPE			
R05290					RES	4/15/91	BLM	SPR	INDIAN SPRING	OTH	WP	SW	SW	14	15N	68E	0.028	6.6	MGA			510 CATTLE, 2000 SHEEP & 15 ANTELOPE			
R05291					RES	4/15/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NW	NW	15	16N	67E	0.008	1.88	MGA			232 CATTLE, 100 SHEEP & 25 ANTELOPE			
R05292					RES	4/15/91	BLM	SPR	UNNAMED SPRING	OTH	WP	SE	SW	32	16N	67E	0.011	2.59	MGA			346 CATTLE, 12 DEER & 80 ANTELOPE			
R05293					RES	4/15/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NE	NW	32	16N	67E	0.011	2.59	MGA			346 CATTLE, 12 DEER & 80 ANTELOPE			
R05294					RES	4/15/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NE	SW	32	16N	67E	0.011	2.59	MGA			346 CATTLE, 12 DEER & 80 ANTELOPE			
R05295					RES	4/15/91	BLM	SPR	UNNAMED SPRING	OTH	WP	NE	NW	25	16N	67E	0.011	2.59	MGA			346 CATTLE & 25 ANTELOPE			
R05418					RES	4/6/04	BLM	SPR	TWIN SPRINGS	STK	WP	SE	NE	10	22N	68E	0.0015	0	AFA			100 CATTLE			
V00714					VST	2/12/10	RAMSEY, E.G.	SPR	WILLIAMS CREEK	IRR, DOM	WP			35	13N	67E	0	1.40	AFS	160		NW1/4 SEC 35, T.13N, R.67E.			
V00767					VST	12/15/09	CHARLES S. MILLER	STR	EIGHT MILE CREEK	IRR	WP	NW	NE	34	16N	68E	0	1.20	AFS	30		4/1 - 10/31			COVERED BY PERMIT NO. 1519

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 14 of 16)

APP #	CHANGE #	CHANGE #	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP CO	POINT OF DIVERSION				RATE		DUTY	UNIT	ACRES	PLACE OF USE NOTE: ON STOCK WATER RIGHTS WHERE A PERIOD OF USE IS NOT INDICATED, THE USE IS 1/1 - 1/2/31.	NOTES
											QTR	QTR	SEC	TWN	RNG	CFS					
V00789				VST	6/1/10	MCGILL, WILLIAM	STR	NORTH GARDEN CREEK	IRR	WP	WP	NW	1	18N	66E	0	0	0		SEE 01213 & 01219	
V00790				VST	6/1/10	GUBLER LAND AND LIVESTOCK, INC.	STR	CLEVELAND CREEK	IRR	WP	WP	NW	25	16N	66E	2.5	10847.7	AFS	3615.9	SECS 12 & 13, T.18N., R.66E. & SECS 5-8, 17-20, 28 & 30, T.18N., R.67E. 4/1 - 10/1	
V00791				VST	6/1/10	NEVADA LAND & RESOURCE CO LLC	STR	MCCOY CREEK, GARDEN CRK	IRR	WP	WP	NW	SE	1	17N	66E	7680	AFS	1920	SECS 6 & 7, T.17N., R.67E. & SEC 31, T.18N., R.67E. 2/1 - 11/30	
V00802				VST	5/5/10	HYDE, J.A.	STR	INDIAN SPRINGS DITCH	STK	LI	NE	NW	15	08N	67E				101 - 1231 & 2/1 - 6/1	SEE 1463 (7)	
V01023		24		VST	2/19/11	HENROID, FREDERICK HENROID, JOHN	SPR	SMITH CANON SPRING	STK	WP	SE	SW	7	21N	68E	0.3	1.83	MG	150 HORSES & CATTLE, 2500 SHEEP 6/1 - 9/30		
V01024		25		VST	2/19/11	HENROID, EUGENE	SPR	LUNCH V. SPR.	STK	WP	SW	NW	34	21N	68E	0.5	2.04	MG	160 HORSES & CATTLE, 2000 SHEEP 5/1 - 10/31		
V01026		198		VST	2/23/11	SWALLOW, GEORGE	STR	DRY CREEK	IRR	WP	NE	NE	12	12N	67E	16	1.6	AFS	4	SW 1/4 SEC 12, T.12N., R.67E.	
V01063		204		VST	2/10/12	BLM ELDRIDGE, GEORGE H.	SPR	MIKE SPRINGS	STK	WP	NW	SW	32	21N	68E	0.4	3.9	MG			
V01080		31, 32, 33		VST	3/30/12	CORP OF CHURCH OF LATHERIAN SAINTS	STR	NIGGER CREEK	IRR	WP	NW	NE	16	18N	68E	0.94	2665.2	AFS	66.63		
V01081				VST	4/1/12	HENROID, F. AND E.A.	SPR	GRASS VALLEY SPRINGS	STK	WP	SE	NW	13	21N	68E					500 HORSES & CATTLE	
V01125				VST	7/22/12	TILFORD, T. B.	SPR	VIOLET SPRING	MM	WP	NE	NW	25	14N	67E						
V01176				VST	12/2/12	SELLAS, WILLIAM	SPR	LONG SPRINGS	STK	WP	NE	SE	28	23N	66E	0.3	11.25	MG		2500 SHEEP 5/1 - 11/1	
V01180		187		VST	12/16/12	NEVADA LAND & RESOURCE CO LLC	RES	SHARP CANON	STK	WP	SE	SE	6	24N	67E	0.025	1.8	MG		2500 SHEEP 5/1 - 10/1	
V01181		188		VST	12/16/12	NEVADA LAND & RESOURCE CO LLC	STR	MIDDLE CANON	STK	WP	NE	NW	32	20N	68E	0.025	0			2500 SHEEP 5/1 - 10/1	
V01194		123		VST	1/16/13	BEWS, HARRY	SPR	GARDEN SPRING	STK	WP	SW	NE	9	22N	68E	0.025	5.89	MGA		3000 SHEEP	
V01195		124		VST	1/16/13	BEWS, HARRY	SPR	DIPPING SPRINGS	STK	WP	SE	SE	15	22N	68E	0.025	5.9	MGA		3000 SHEEP	
V01213				VST	2/1/13	GEORGE ELDRIDGE AND SON INC.	STR	NORTH GARDEN CREEK	IRR	WP	SE	NE	14	18N	68E		1280	AFA	320	SW 1/4 SEC 12, T.18N., R.66E. & W 1/2 SEC 13, T.18N., R.66E.	
V01214				VST	2/1/13	GEORGE ELDRIDGE AND SON INC.	STR	GARDEN CREEK	IRR	WP	NW	SE	26	18N	68E		2000	AFS	500	SEC 30, T.18N., R.67E. & SECS 24, 25, & 36, T.18N., R.66E. 2/1 - 12/1	
V01215				VST	2/1/13	ROBISON, MARGRET J. ROBISON, REED B.	STR	MCCOY CREEK	IRR	WP	NW	SE	1	17N	68E		6400	AFA	1800	PORT OF SEC 12, T.17N., R.66E. PORT OF SECS 6 & 7, T.17N., R.67E. & PORT OF SEC 31, T.18N., R.67E.	
V01216				VST	2/1/13	ADAMS MCSULL COMPANY	STR	BASTIAN CREEK	IRR	WP	NE	SW	24	15N	68E		400	AFA	100	SEC 24, T.15N., R.66E.	
V01217				VST	2/1/13	GUBLER LAND AND LIVESTOCK, INC.	STR	CLEVELAND, FREEHILL, INDIAN CREEKS	IRR	WP	SE	NW	24	16N	68E		12000	AFA	3000	SECS 7, 8, 16, 18, 19, & 20, T.18N., R.67E. & SEC 13, T.18N., R.66E.	
V01218				VST	2/1/13	GUBLER LAND AND LIVESTOCK, INC.	STR	STEPHEN CREEK	IRR	WP	NE	NW	6	16N	67E		4800	AFS	1200	SECS 5 & 6, T.16N., R.67E.	
V01219				VST	2/1/13	ADAMS MCSULL COMPANY	STR	BASSETT CREEK	IRR	WP	SE	NW	2	18N	68E	7.73	1804.26	AFS	470.01	SECS 1 & 2, T.18N., R.66E. & SECS 35 & 36, T.19N., R.66E.	
V01614				VST	5/15/19	BOWEN, ALBERT S. BOWEN, HUGH W. BOWEN, LUELLA VIRGINIA BOWEN, WILLIAM BOWEN, JAMES BOWEN, WEST BOWEN, KENT, VIRGINIA BOWEN	SPR	JACKS SPRORY GULCH	MM	WP	NW	SE	12	14N	67E			MGA		1200 SHEEP & 40 CATTLE 4/1 - 11/1	
V01634				VST	8/25/19	HENROID, EUGENE A.	SPR	CRYSTAL SPRING	STK	WP	SE	NW	10	22N	66E	0.05	1.26	MG			
V01637				VST	9/8/19	CARTER, A.N. CARTER, LAFAYETTE GUBLER, ERNEST KERR, D.R. (ETAL) SEE PG.3, KIRKEY, ALBIN C., ROBISON, LESTER J.	SPR	CONNORS SPRING	STK	WP	NE	SW	14	13N	66E	0.1	1.46	MG			
V01648				VST	11/20/19	GEORGE ELDRIDGE AND SON INC.	STR	EIGHT MILE CREEK	IRR	WP	NW	SW	27	18N	68E	1	300	AFS	100	SEC 31, T.18N., R.68E. 3/15 - 12/15	



Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 15 of 16)

Table with columns: APP #, CHANGE #, CHANGE #, CERT #, STATUS, FILING DT, OWNER OF RECORD, SRC, SOURCE DESCRIPTION, USE, SUP CO, QTR, QTR, QTR, POINT OF DIVERSION, RATE, DUTY, UNIT, ACRES, PLACE OF USE, NOTES. Rows include various water rights entries such as V01665, V01669, V01686, etc.

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

Table A-2
Spring Valley (HA 184) Water Rights Abstract Worksheet Updated 05/09/2006
(Page 16 of 16)

APP #	CHANGE #	CHANGE #	CERT #	STATUS	FILING DT	OWNER OF RECORD	SRC	SOURCE DESCRIPTION	USE	SUP	CO	POINT OF DIVERSION				RATE		DUTY	UNIT	ACRES	PLACE OF USE		NOTES
												QTR	QTR	SEC	TWN	RNG	CFS				MG	NOTE ON STOCK WATER RIGHTS WHERE A PERIOD OF USE IS NOT INDICATED, THE USE IS 1/1 - 1/2/31.	
V02827				VST	1/16/73	GUBLER LAND AND LIVESTOCK, INC.	SPR	BIG RESERVOIR SPR NO.10	IRR	Y	WP	NW	SW	20	16N	67E	10	10,000	AFA	2500	SEC S 5-8, T7, & 16, T.16N., R.67E.		
V02828				VST	1/16/73	GUBLER LAND AND LIVESTOCK, INC.	SPR	BIG RESERVOIR SPR NO.11	IRR	Y	WP	SE	NW	20	16N	67E	10	10,000	AFA	2500	SEC S 5-8, T7, & 16, T.16N., R.67E.		
V02829				VST	1/16/74	USFS	STR	PINE CREEK	STK	WP	WP	NE	NW	16	13N	68E	0.015	1.77	MG		1000 SHEEP & 4 HORSES		
V02830				VST	1/16/74	USFS	STR	SPRING CREEK	STK	WP	WP	NE	SE	32	13N	68E	0.015	0.75	MG		1000 SHEEP & 4 HORSES		
V02836				VST	1/14/74	USFS	STR	SWALLOW CREEK	STK	WP	WP	SW	SE	3	11N	68E	0.015	0			1000 SHEEP & 4 HORSES		
V02837				VST	1/14/74	USFS	SPR	RAISED SPRING	STK	WP	WP	SW	SE	20	13N	68E	0.015	0.75	MG		1000 SHEEP & 4 HORSES		
V02839				VST	1/14/74	USFS	STR	RIDGE CREEK	STK	WP	WP	NE	SW	16	13N	68E	0.015	0.75	MG		1000 SHEEP & 4 HORSES		
V02842				VST	3/25/74	USFS	SPR	HUB BASIN SPRING	STK	WP	WP	SW	NW	28	13N	68E	0.5	0.46	MG		937 SHEEP		
V02851				VST	4/17/75	EL TEJON CATTLE COMPANY	SPR	RAISED SPRING & TRIBS	IRR	Y	WP	SW	NE	26	13N	67E		528.6	AFA	132.4	SEC 35, T.13N., R.67E.		
V02852				VST	4/17/75	EL TEJON CATTLE COMPANY	SPR	CORNAL SPRING & TRIBS.	IRR	Y	WP	NW	SW	25	13N	67E		574.4	AFA	143.6	SEC 35, T.13N., R.67E.		
V02853				VST	4/17/75	EL TEJON CATTLE COMPANY	SPR	HUB BASIN & TRIBUTARIES	IRR	Y	WP	SW	SE	30	13N	68E		600.8	AFA	150.2	SEC 35, T.13N., R.67E.		
V02854				VST	4/17/75	EL TEJON CATTLE COMPANY	STR	SPRING CREEK & TRIBUTAR	IRR	Y	WP	SW	SE	30	13N	68E		659.6	AFA	164.9	SEC'S 35 & 36, T.13N., R.67E.		
V02855				VST	4/17/75	EL TEJON CATTLE COMPANY	SPR	CORN SPRING & TRIBUTAR	IRR	Y	WP	NW	NW	36	13N	67E	1	846.8	AFA	161.7	SEC 35, T.13N., R.67E.		
V02860				VST	7/22/75	HUNTSMAN RANCH LIMITED LIABILITY CO.	STR	WILLIAMS CREEK	IRR	Y	WP	NW	NW	7	12N	68E		3027.72	AFA	756.83	SEC'S 11 - 14, T.12N., R.67E.		
V02861				VST	7/22/75	HUNTSMAN RANCH LIMITED LIABILITY CO.	STR	DRY CREEK	IRR	Y	WP	NE	NW	18	12N	67E		3027.72	AFA	756.83	SEC'S 11 - 14, T.12N., R.67E.		
V02915				VST	12/21/76	EL TEJON CATTLE COMPANY	SPR	UNNAMED SPRING	STK	WP	WP	NW	NE	15	10N	68E	0.0045				150 CATTLE		
V03543				VST	12/6/80	USFS	SPR	CLEVE SPR #2	STK	WP	WP	SE	NW	36	17N	65E	0.015	0.66	MG		900 SHEEP		
V03549				VST	12/6/80	USFS	SPR	KRAFT SPRING # 2	STK	WP	WP	NW	SW	2	16N	68E	0.015	0.66	MG		900 SHEEP		
V03550				VST	12/6/80	USFS	SPR	PIETES SPRING	STK	WP	WP	SE	NE	12	16N	65E	0.015	0.66	MG		900 SHEEP		
V03551				VST	12/6/80	USFS	SPR	NORTH CLEVE SPRING	STK	WP	WP	NE	NW	8	16N	68E	0.015	0.66	MG		900 SHEEP		
V03554				VST	12/6/80	USFS	SPR	KRAFT SPRING # 1	STK	WP	WP	NE	NW	10	16N	65E	0.015	0.66	MG		900 SHEEP		
V03555				VST	12/6/80	USFS	SPR	LOWER PETE SPRING	STK	WP	WP	NE	SE	12	16N	65E	0.015	0.66	MG		900 SHEEP		
V03556				VST	12/6/80	USFS	SPR	CLEVE SPRING # 6	STK	WP	WP	SE	NW	1	16N	65E	0.015	0.66	MG		900 SHEEP		
V03557				VST	12/6/80	USFS	SPR	CLEVE SPR #6	STK	WP	WP	SE	SW	36	17N	65E	0.015	0.66	MG		900 SHEEP		
V03558				VST	12/6/80	USFS	SPR	CLEVE SPR #3	STK	WP	WP	SW	SW	36	17N	65E	0.015	0.66	MG		900 SHEEP		
V03559				VST	12/6/80	USFS	SPR	CLEVE SPR #1	STK	WP	WP	SE	NW	36	17N	65E	0.015	0.66	MG		900 SHEEP		
V03560				VST	12/6/80	USFS	SPR	OTOOLE SPRING	STK	WP	WP	NW	NE	10	17N	68E	0.015	0.18	MG		900 SHEEP		
V03562				VST	12/6/80	USFS	SPR	BASIN SPRING	STK	WP	WP	NE	SE	22	17N	65E	0.015	0.18	MG		140 CATTLE		
V03563				VST	12/6/80	USFS	SPR	SOUTH FIFT SPRING	STK	WP	WP	SE	NE	22	17N	68E	0.015	0.18	MG		140 CATTLE		
V04722				VST	1/19/88	PONY EXPRESS MINING & MILLING	STR	HORSE CREEK	MMI	WP	WP	SW	NE	32	14N	68E	0.5				140 CATTLE		SEE RULING NO. 3888



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 1 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
3865	STR	35.77	NW	SE	1	11N	67E	213.98	Swallow Creek, aka Water Canyon, AFS
27743	STR	1.67	NW	SE	1	11N	67E	3087.08	Swallow Creek, AFA
3865	STR	28.39	SW	SE	1	11N	67E		
3865	STR	11.57	SW	SE	1	11N	67E		
27743	STR	1.00	SW	SE	1	11N	67E		
27743	STR	40.00	NW	NW	1	11N	67E		
27743	STR	40.00	NE	NW	1	11N	67E		
27743	STR	36.00	SW	NW	1	11N	67E		
27743	STR	39.00	SE	NW	1	11N	67E		
27743	STR	14.88	NW	NE	1	11N	67E		
27743	STR	14.90	SW	NE	1	11N	67E		
27743	STR	40.00	NW	SW	1	11N	67E		
27743	STR	38.30	NE	SW	1	11N	67E		
27743	STR	40.00	SW	SW	1	11N	67E		
27743	STR	25.62	SE	SW	1	11N	67E		
27743	STR	38.60	NE	NW	2	11N	67E		
27743	STR	40.00	SW	NW	2	11N	67E		
27743	STR	40.00	SE	NW	2	11N	67E		
27743	STR	40.00	NW	NE	2	11N	67E		
27743	STR	40.00	NE	NE	2	11N	67E		
27743	STR	40.00	SW	NE	2	11N	67E		
27743	STR	40.00	SE	NE	2	11N	67E		
27743	STR	40.00	NW	SW	2	11N	67E		
27743	STR	40.00	NE	SW	2	11N	67E		
27743	STR	40.00	SW	SW	2	11N	67E		
27743	STR	40.00	SE	SW	2	11N	67E		
27743	STR	40.00	NW	SE	2	11N	67E		
27743	STR	40.00	NE	SE	2	11N	67E		
27743	STR	40.00	SW	SE	2	11N	67E		
27743	STR	40.00	SE	SE	2	11N	67E		
27743	STR	38.40	SE	SE	3	11N	67E		
27743	STR	40.00	NE	NE	10	11N	67E		
27743	STR	40.00	SE	NE	10	11N	67E		
27743	STR	40.00	NW	NW	11	11N	67E		
27743	STR	40.00	NE	NW	11	11N	67E		
27743	STR	40.00	SW	NW	11	11N	67E		
27743	STR	40.00	SE	NW	11	11N	67E		
27743	STR	40.00	NW	NE	11	11N	67E		
27743	STR	40.00	NE	NE	11	11N	67E		
27743	STR	40.00	SW	NE	11	11N	67E		
27743	STR	40.00	SE	NE	11	11N	67E		
27743	STR	40.00	NW	SW	11	11N	67E		
27743	STR	40.00	NE	SW	11	11N	67E		
27743	STR	40.00	NW	SE	11	11N	67E		
27743	STR	40.00	NE	SE	11	11N	67E		
27743	STR	40.00	SW	SE	11	11N	67E		
27743	STR	40.00	SE	SE	11	11N	67E		
3865	STR	39.60	NW	NE	12	11N	67E		
3865	STR	0.37	NW	NE	12	11N	67E		
27743	STR	17.36	NW	NE	12	11N	67E		
3865	STR	8.15	SW	NE	12	11N	67E		
3865	STR	31.55	SW	NE	12	11N	67E		
27743	STR	34.30	SW	NE	12	11N	67E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 2 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
3865	STR	0.68	NE	NE	12	11N	67E		
3865	STR	11.17	SE	NE	12	11N	67E		
27743	STR	2.45	SE	NE	12	11N	67E		
3865	STR	14.32	NE	SE	12	11N	67E		
27743	STR	14.04	NE	SE	12	11N	67E		
3865	STR	30.12	SE	SE	12	11N	67E		
22743	STR	20.66	SE	SE	12	11N	67E		
3865	STR	1.25	SW	SE	12	11N	67E		
22743	STR	40.00	SW	SE	12	11N	67E		
27743	STR	39.85	NW	SE	12	11N	67E		
27743	STR	40.00	NW	NW	12	11N	67E		
27743	STR	39.25	NE	NW	12	11N	67E		
27743	STR	40.00	SW	NW	12	11N	67E		
27743	STR	40.00	SE	NW	12	11N	67E		
27743	STR	40.00	NW	SW	12	11N	67E		
27743	STR	40.00	NE	SW	12	11N	67E		
27743	STR	40.00	SW	SW	12	11N	67E		
27743	STR	39.00	SE	SW	12	11N	67E		
3865	STR	0.13	NW	NE	13	11N	67E		
3865	STR	0.91	NE	NE	13	11N	67E		
27743	STR	39.60	NE	NE	13	11N	67E		
27743	STR	40.00	SW	NE	13	11N	67E		
27743	STR	40.00	SE	NE	13	11N	67E		
27743	STR	40.00	SE	NW	13	11N	67E		
27743	STR	32.64	NW	SW	13	11N	67E		
27743	STR	40.00	NE	SW	13	11N	67E		
27743	STR	39.75	NW	SE	13	11N	67E		
27743	STR	26.03	NE	SE	13	11N	67E		
27743	STR	9.50	SW	SE	13	11N	67E		
27743	STR	40.00	NW	NE	14	11N	67E		
27743	STR	40.00	NE	NE	14	11N	67E		
27743	STR	40.00	SW	NE	14	11N	67E		
27743	STR	40.00	SE	NE	14	11N	67E		
27902	SPR	5.80	NE	SW	5	11N	68E	16.50	
27902	SPR	2.18	SE	NW	5	11N	68E		
27902	SPR	2.70	SW	NW	5	11N	68E		
27902	SPR	3.75	SE	NE	6	11N	68E		
27902	SPR	2.07	SW	NE	6	11N	68E		
396	STR	40.00	SW	NW	7	11N	68E	160.00	Swallow Creek
396	STR	40.00	SE	NW	7	11N	68E		
396	STR	40.00	NW	SW	7	11N	68E		
396	STR	40.00	NE	SW	7	11N	68E		
27743	STR	39.40	SW	NW	18	11N	68E		
27743	STR	12.40	NW	SW	18	11N	68E		
V02860 & V02861	STR	15.12	NW	SE	11	12N	67E	756.93	Williams Creek
V02860 & V02861	STR	18.75	NE	SE	11	12N	67E		
V02860 & V02861	STR	12.64	SW	SE	11	12N	67E		
V02860 & V02861	STR	37.83	SE	SE	11	12N	67E		
22645	UG	15.00	NE	SW	12	12N	67E	15.00	
45287	UG	38.20	NE	SW	12	12N	67E	78.20	PORTION SUP TO 22645



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 3 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
45287	UG	40.00	SW	NW	12	12N	67E		
V01026	STR	PORT. 3	NW	SW	12	12N	67E	4.00	DRY CREEK
V01026	STR	PORT. 2	NW	SW	12	12N	67E		
V01026	STR	PORT. 4	NW	SW	12	12N	67E		
V01026	STR	PORT. 3	SW	SW	12	12N	67E		
V01026	STR	PORT. 2	SW	SW	12	12N	67E		
V01026	STR	PORT. 4	SW	SW	12	12N	67E		
V02860 & V02861	STR	13.55	SW	SW	12	12N	67E		
V02860 & V02861	STR	10.91	SE	SW	12	12N	67E		
813	STR	20.00	NE	SE	13	12N	67E	20.00	DRY CREEK
4418	STR	14.50	NE	SE	13	12N	67E	449.70	WILLIAMS CREEK, AFS
18827	UG	4.00	NE	SE	13	12N	67E	448.00	TOTAL COMBINED DUTY = NTE 1088.667 AFS, MAX SUP = 638.84, MIN SUP = 450.84
63531	UG	PORT. 448	NE	SE	13	12N	67E	448.00	TOTAL COMBINED DUTY WITH 18827 NTE 1088.667 AFS, CHANGED PORTION OF 18827
67886	UG	4.00	NE	SE	13	12N	67E	448.00	TOTAL COMBINED DUTY = 1088.667, AFS, DUTY = 544.33 AFS
67887	UG	PORT. 448	NE	SE	13	12N	67E	448.00	TOTAL COMBINED DUTY = 1088.667, AFS, DUTY = 544.33 AFS
4418	STR	40.00	NW	NE	13	12N	67E		
V02860 & V02861	STR	40.00	NW	NE	13	12N	67E		
18827	UG	40.00	NW	NE	13	12N	67E		
63531	UG	PORT. 448	NW	NE	13	12N	67E		
67886	UG	40.00	NW	NE	13	12N	67E		
67887	UG	PORT. 448	NW	NE	13	12N	67E		
4418	STR	35.20	SW	NE	13	12N	67E		
18827	UG	30.00	SW	NE	13	12N	67E		
63531	UG	PORT. 448	SW	NE	13	12N	67E		
67886	UG	30.00	SW	NE	13	12N	67E		
67887	UG	PORT. 448	SW	NE	13	12N	67E		
4418	STR	40.00	NW	SE	13	12N	67E		
18827	UG	40.00	NW	SE	13	12N	67E		
63531	UG	PORT. 448	NW	SE	13	12N	67E		
67886	UG	40.00	NW	SE	13	12N	67E		
67887	UG	PORT. 448	NW	SE	13	12N	67E		
4418	STR	18.00	SW	SE	13	12N	67E		
4418	STR	22.00	SW	SE	13	12N	67E		
18827	UG	40.00	SW	SE	13	12N	67E		
63531	UG	PORT. 448	SW	SE	13	12N	67E		
67886	UG	40.00	SW	SE	13	12N	67E		
67887	UG	PORT. 448	SW	SE	13	12N	67E		
4418	STR	17.00	NE	NW	13	12N	67E		
4418	STR	23.00	NE	NW	13	12N	67E		
V02860 & V02861	STR	6.36	NE	NW	13	12N	67E		
V02860 & V02861	STR	23.87	NE	NW	13	12N	67E		
4418	STR	20.90	SE	NW	13	12N	67E		
4418	STR	14.30	SE	NW	13	12N	67E		
4418	STR	4.80	SE	NW	13	12N	67E		
18827	UG	40.00	SE	NW	13	12N	67E		
63531	UG	PORT. 448	SE	NW	13	12N	67E		
67886	UG	40.00	SE	NW	13	12N	67E		
67887	UG	PORT. 448	SE	NW	13	12N	67E		
V02860 & V02861	STR	34.61	SW	NW	13	12N	67E		
V02860 & V02861	STR	28.41	NW	NW	13	12N	67E		
4418	STR	40.00	NW	NW	13	12N	67E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 4 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
4418	STR	10.30	NE	SW	13	12N	67E		
4418	STR	14.70	NE	SW	13	12N	67E		
4418	STR	15.00	NE	SW	13	12N	67E		
18827	UG	40.00	NE	SW	13	12N	67E		
63531	UG	PORT. 448	NE	SW	13	12N	67E		
67886	UG	40.00	NE	SW	13	12N	67E		
67887	UG	PORT. 448	NE	SW	13	12N	67E		
V02860 & V02861	STR	4.83	SE	SW	13	12N	67E		
4418	STR	3.00	SE	SW	13	12N	67E		
4418	STR	37.00	SE	SW	13	12N	67E		
18827	UG	40.00	SE	SW	13	12N	67E		
63531	UG	PORT. 448	SE	SW	13	12N	67E		
67886	UG	40.00	SE	SW	13	12N	67E		
67887	UG	PORT. 448	SE	SW	13	12N	67E		
V02860 & V02861	STR	32.30	NW	SW	13	12N	67E		
4418	STR	38.10	NW	SW	13	12N	67E		
4418	STR	1.90	NW	SW	13	12N	67E		
V02860 & V02861	STR	13.63	NE	NE	13	12N	67E		
18827	UG	13.00	NE	NE	13	12N	67E		
63531	UG	PORT. 448	NE	NE	13	12N	67E		
67886	UG	13.00	NE	NE	13	12N	67E		
67887	UG	PORT. 448	NE	NE	13	12N	67E		
18827	UG	13.00	SE	NE	13	12N	67E		
63531	UG	PORT. 448	SE	NE	13	12N	67E		
67886	UG	13.00	SE	NE	13	12N	67E		
67887	UG	PORT. 448	SE	NE	13	12N	67E		
V02860 & V02861	STR	19.09	SW	SW	13	12N	67E		
18827	UG	40.00	SW	SW	13	12N	67E		
63531	UG	PORT. 448	SW	SW	13	12N	67E		
67886	UG	40.00	SW	SW	13	12N	67E		
67887	UG	PORT. 448	SW	SW	13	12N	67E		
25678	STR	39.00	SE	SE	13	12N	67E	157.56	LINCOLN CREEK
25679	UG	39.00	SE	SE	13	12N	67E	157.56	
25680	UG	39.00	SE	SE	13	12N	67E	157.56	
4418	STR	40.00	NE	NE	14	12N	67E		
V02860 & V02861	STR	40.00	NE	NE	14	12N	67E		
V02860 & V02861	STR	5.86	NW	NE	14	12N	67E		
V02860 & V02861	STR	0.99	SW	NE	14	12N	67E		
V02860 & V02861	STR	38.74	SE	NE	14	12N	67E		
V02860 & V02861	STR	14.21	NE	SE	14	12N	67E		
811	LAKE	40.00	SW	SW	22	12N	67E	280.00	LAKE AND MOUNTAIN STREAM
811	LAKE	40.00	SE	SW	22	12N	67E		
811	LAKE	40.00	NW	SW	22	12N	67E		
18525	UG	8.43	SE	SW	24	12N	67E	14.46	
30319	UG	40.00	SE	SW	24	12N	67E	211.70	MINIMUM SUPPLEMENTAL - SUP PROBABLY HIGHER
18525	UG	6.03	SW	SW	24	12N	67E		
30319	UG	40.00	SW	SW	24	12N	67E		
18827	UG	40.00	NW	NW	24	12N	67E		
30319	UG	19.86	NW	NW	24	12N	67E		
63531	UG	PORT. 448	NW	NW	24	12N	67E		
67886	UG	40.00	NW	NW	24	12N	67E		
67887	UG	PORT. 448	NW	NW	24	12N	67E		
18827	UG	14.00	NE	NW	24	12N	67E		
63531	UG	PORT. 448	NE	NW	24	12N	67E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 5 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
67886	UG	40.00	NE	NW	24	12N	67E		
67887	UG	PORT. 448	NE	NW	24	12N	67E		
18827	UG	40.00	SW	NW	24	12N	67E		
63531	UG	PORT. 448	SW	NW	24	12N	67E		
67886	UG	40.00	SW	NW	24	12N	67E		
67887	UG	PORT. 448	SW	NW	24	12N	67E		
18827	UG	14.00	SE	NW	24	12N	67E		
63531	UG	PORT. 448	SE	NW	24	12N	67E		
67886	UG	14.00	SE	NW	24	12N	67E		
25678	STR	37.05	NE	NE	24	12N	67E		
25679	UG	37.05	NE	NE	24	12N	67E		
25680	UG	37.05	NE	NE	24	12N	67E		
30319	UG	7.13	NE	NE	24	12N	67E		
25678	STR	14.25	SW	NE	24	12N	67E		
25679	UG	14.25	SW	NE	24	12N	67E		
25680	UG	14.25	SW	NE	24	12N	67E		
30319	UG	24.24	SW	NE	24	12N	67E		
25678	STR	21.09	SE	NE	24	12N	67E		
25679	UG	21.09	SE	NE	24	12N	67E		
25680	UG	21.09	SE	NE	24	12N	67E		
30319	UG	18.18	SE	NE	24	12N	67E		
25678	STR	27.36	NW	SE	24	12N	67E		
25679	UG	27.36	NW	SE	24	12N	67E		
25680	UG	27.36	NW	SE	24	12N	67E		
30319	UG	30.01	NW	SE	24	12N	67E		
25678	STR	18.81	NE	SE	24	12N	67E		
25679	UG	18.81	NE	SE	24	12N	67E		
25680	UG	18.81	NE	SE	24	12N	67E		
30319	UG	18.64	NE	SE	24	12N	67E		
30319	UG	13.64	SW	SE	24	12N	67E		
18524	UG	5.29	NE	NE	26	12N	67E	5.28	DLE
811	LAKE	40.00	NW	NW	27	12N	67E		
811	LAKE	40.00	NE	NW	27	12N	67E		
811	LAKE	40.00	SW	NW	27	12N	67E		
811	LAKE	40.00	SE	NW	27	12N	67E		
27743	STR	21.07	SE	NW	35	12N	67E		
27743	STR	40.00	SW	NE	35	12N	67E		
27743	STR	34.71	NE	SW	35	12N	67E		
27743	STR	33.05	SE	SW	35	12N	67E		
27743	STR	40.00	NW	SE	35	12N	67E		
27743	STR	40.00	NE	SE	35	12N	67E		
27743	STR	40.00	SW	SE	35	12N	67E		
27743	STR	40.00	SE	SE	35	12N	67E		
27743	STR	18.18	NW	NW	36	12N	67E		
27743	STR	1.65	NE	NW	36	12N	67E		
27743	STR	40.00	SW	NW	36	12N	67E		
27743	STR	14.50	SE	NW	36	12N	67E		
27743	STR	40.00	NW	SW	36	12N	67E		
27743	STR	8.25	NE	SW	36	12N	67E		
27743	STR	40.00	SW	SW	36	12N	67E		
27743	STR	21.07	SE	SW	36	12N	67E		
1052	STR	PORT. 17	NE	NE	1	13N	67E	20.00	WILLARD CREEK, AFS
17017	STR	2.70	NE	NE	1	13N	67E	31.82	WILLARD CREEK, AFS

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 6 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
1052	STR	PORT. 17	SE	NE	1	13N	67E		
17017	STR	6.21	SW	NE	1	13N	67E		
26229	UG	16.69	SE	SW	15	13N	67E	39.42	TOTAL COMBINED DUTY = 2759.76 AFA
26546	UG	16.69	SE	SW	15	13N	67E	39.42	COMBINED WITH 26229
29162	STR	16.69	SE	SW	15	13N	67E	259.17	SHINGLE CREEK, NTE = 2759.76 AFA
34727	UG	15.46	SE	SW	15	13N	67E	201.20	TOTAL COMBINED DUTY = 2759.76 AFA
50772	STR	16.69	SE	SW	15	13N	67E	89.02	TOTAL COMBINED DUTY = 2759.76 AFA
69316	UG	PORT. 270	SE	SW	15	13N	67E	270.00	COMBINED DUTY NTE 3,430.81 AFA (NON-SUP = 671.05 AFA)
26229	UG	22.73	SW	SW	15	13N	67E		
26546	UG	22.73	SW	SW	15	13N	67E		
29162	STR	22.73	SW	SW	15	13N	67E		
34727	UG	21.49	SW	SW	15	13N	67E		
50772	STR	34.60	SW	SW	15	13N	67E		
69316	UG	PORT. 270	SW	SW	15	13N	67E		
50772	STR	37.17	NW	SW	15	13N	67E		
69316	UG	PORT. 270	NW	SW	15	13N	67E		
26228	UG	39.83	NE	SE	16	13N	67E	59.75	TOTAL COMBINED DUTY = 2759.76 AFA
26952	UG	39.83	NE	SE	16	13N	67E	59.75	TOTAL COMBINED DUTY = 2759.76 AFA
26953	UG	39.83	NE	SE	16	13N	67E	59.75	TOTAL COMBINED DUTY = 2759.76 AFA
29162	STR	39.83	NE	SE	16	13N	67E		
50772	STR	39.83	NE	SE	16	13N	67E		
69316	UG	PORT. 270	NE	SE	16	13N	67E		
26228	UG	6.28	SE	SE	16	13N	67E		
26952	UG	6.28	SE	SE	16	13N	67E		
26953	UG	6.28	SE	SE	16	13N	67E		
29162	STR	6.28	SE	SE	16	13N	67E		
50772	STR	36.17	SE	SE	16	13N	67E		
69316	UG	PORT. 270	SE	SE	16	13N	67E		
26228	UG	12.40	NW	SE	16	13N	67E		
26952	UG	12.40	NW	SE	16	13N	67E		
26953	UG	12.40	NW	SE	16	13N	67E		
29162	STR	12.40	NW	SE	16	13N	67E		
50772	STR	12.40	NW	SE	16	13N	67E		
69316	UG	PORT. 270	NW	SE	16	13N	67E		
26228	UG	1.24	SW	SE	16	13N	67E		
26952	UG	1.24	SW	SE	16	13N	67E		
26953	UG	1.24	SW	SE	16	13N	67E		
29162	STR	1.24	SW	SE	16	13N	67E		
50772	STR	11.33	SW	SE	16	13N	67E		
69316	UG	PORT. 270	SW	SE	16	13N	67E		
69316	UG	PORT. 270	NE	SW	16	13N	67E		
69316	UG	PORT. 270	SE	SW	16	13N	67E		
20817	UG	40.00	NE	NE	21	13N	67E	160.00	
69316	UG	PORT. 270	NE	NE	21	13N	67E		
20817	UG	40.00	NW	NE	21	13N	67E		
69316	UG	PORT. 270	NW	NE	21	13N	67E		
20817	UG	40.00	SE	NE	21	13N	67E		
69316	UG	PORT. 270	SE	NE	21	13N	67E		
20817	UG	40.00	NE	SE	21	13N	67E		
69316	UG	PORT. 270	NE	SE	21	13N	67E		
69316	UG	PORT. 270	NE	NW	21	13N	67E		
69316	UG	PORT. 270	SE	NW	21	13N	67E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 7 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
920	STR	0.69	NW	NE	22	13N	67E	181.33	SHINGLE CREEK, COMBINED DUTY NTE 2759.76 AFA
34727	UG	0.65	NW	NE	22	13N	67E		
920		6.34	NE	NW	22	13N	67E		
22545	STR	40.00	NE	NW	22	13N	67E	160.00	WILLARD CREEK, PORTION NOT SUP = 278.80 AFA
29162	STR	40.00	NE	NW	22	13N	67E		
34727	UG	41.36	NE	NW	22	13N	67E		
920		3.96	NW	NW	22	13N	67E		
22545	STR	40.00	NW	NW	22	13N	67E		
29162	STR	40.00	NW	NW	22	13N	67E		
34727	UG	41.90	NW	NW	22	13N	67E		
920	STR	8.48	SW	NE	22	13N	67E		
26502	UG	7.35	SW	NE	22	13N	67E		
34727	UG	1.60	SW	NE	22	13N	67E		
920		40.36	SE	NW	22	13N	67E	80.00	SHINGLE CREEK, COMBINED DUTY NTE 2759.76 AFA
17163	STR	40.00	SE	NW	22	13N	67E		
22545	STR	40.00	SE	NW	22	13N	67E		
29162	STR	40.00	SE	NW	22	13N	67E		
34727	UG	36.80	SE	NW	22	13N	67E		
920	STR	8.27	NW	SE	22	13N	67E		
69316	UG	PORT. 270	NW	SE	22	13N	67E		
920	STR	36.65	NE	SW	22	13N	67E		
15812	STR	40.00	NE	SW	22	13N	67E		
920	STR	16.28	NW	SW	22	13N	67E		
15812	STR	40.00	NW	SW	22	13N	67E	160.00	SHINGLE CREEK, COMBINED DUTY NTE 2759.76 AFA
920	STR	23.01	SW	NW	22	13N	67E		
17163	STR	40.00	SW	NW	22	13N	67E		
22545	STR	40.00	SW	NW	22	13N	67E		
29162	STR	40.00	SW	NW	22	13N	67E		
34727	UG	41.94	SW	NW	22	13N	67E		
920	STR	7.92	SW	SE	22	13N	67E		
69316	UG	PORT. 270	SW	SE	22	13N	67E		
920	STR	18.90	SE	SW	22	13N	67E		
920	STR	10.47	SE	SW	22	13N	67E		
15812	STR	40.00	SE	SW	22	13N	67E	390.28	COMBINED DUTY WITH 29219 AND 29221
15812	STR	40.00	SW	SW	22	13N	67E		
26502	UG	11.02	SE	NE	22	13N	67E		
29219	UG	39.26	NW	NW	26	13N	67E		
29220	UG	39.26	NW	NW	26	13N	67E		
29221	UG	39.26	NW	NW	26	13N	67E		
29219	UG	40.00	SW	NW	26	13N	67E		
29220	UG	40.00	SW	NW	26	13N	67E		
29221	UG	40.00	SW	NW	26	13N	67E		
29219	UG	31.02	SE	NW	26	13N	67E		
29220	UG	31.02	SE	NW	26	13N	67E		
29221	UG	31.02	SE	NW	26	13N	67E		
29219	UG	40.00	NW	SW	26	13N	67E		
29220	UG	40.00	NW	SW	26	13N	67E		
29221	UG	40.00	NW	SW	26	13N	67E		
29219	UG	40.00	NE	SW	26	13N	67E		
29220	UG	40.00	NE	SW	26	13N	67E		
29221	UG	40.00	NE	SW	26	13N	67E		
29219	UG	40.00	SW	SW	26	13N	67E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 8 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
29220	UG	40.00	SW	SW	26	13N	67E		
29221	UG	40.00	SW	SW	26	13N	67E		
29219	UG	40.00	SE	SW	26	13N	67E		
29220	UG	40.00	SE	SW	26	13N	67E		
29221	UG	40.00	SE	SW	26	13N	67E		
25439	UG	40.00	NE	SE	27	13N	67E	60.00	
25439	UG	20.00	SE	SE	27	13N	67E		
29219	UG	40.00	NW	NE	27	13N	67E		
29220	UG	40.00	NW	NE	27	13N	67E		
29221	UG	40.00	NW	NE	27	13N	67E		
29219	UG	40.00	NE	NE	27	13N	67E		
29220	UG	40.00	NE	NE	27	13N	67E		
29221	UG	40.00	NE	NE	27	13N	67E		
29219	UG	40.00	SW	NE	27	13N	67E		
29220	UG	40.00	SW	NE	27	13N	67E		
29221	UG	40.00	SW	NE	27	13N	67E		
19654	UG	29.75	SE	SE	31	13N	67E	143.96	
19654	UG	16.61	NW	SW	32	13N	67E		
19654	UG	17.19	NE	SW	32	13N	67E		
19654	UG	40.16	SW	SW	32	13N	67E		
19654	UG	40.25	SE	SW	32	13N	67E		
28653	UG	0.30	SE	NE	34	13N	67E	0.30	
V02853	SPR	6.60	NE	NE	35	13N	67E	150.20	HUB BASIN & TRIBS
V02854	SPR	18.10	NE	NE	35	13N	67E	164.90	SPRING CREEK & TRIBS
V02855	SPR	18.10	NE	NE	35	13N	67E	161.70	CABIN SPRING & TRIBS
2005	STR	40.00	NE	NE	35	13N	67E	80.00	SPRING CREEK
27739	STR	17.36	NE	NE	35	13N	67E	205.81	SPRING CREEK
27901	STR	17.36	NE	NE	35	13N	67E	205.81	HUB BASIN DRAINAGE
28790	SPR	17.36	NE	NE	35	13N	67E	205.81	UNNAMED SPRING
V02851	SPR	9.70	NW	NE	35	13N	67E	132.40	RAISED SPRING & TRIBS
V02852	SPR	20.90	NW	NE	35	13N	67E	143.60	CORRAL SPRING & TRIBS
V02853	SPR	20.90	NW	NE	35	13N	67E		
V02854	SPR	20.90	NW	NE	35	13N	67E		
V02855	SPR	20.90	NW	NE	35	13N	67E		
2005	STR	40.00	NW	NE	35	13N	67E		
27739	STR	33.90	NW	NE	35	13N	67E		
27740	STR	33.90	NW	NE	35	13N	67E	188.45	PINE CREEK
27741	STR	33.90	NW	NE	35	13N	67E	188.45	RAISED SPRING
27742	STR	33.90	NW	NE	35	13N	67E	188.45	RIDGE CREEK
27901	STR	33.90	NW	NE	35	13N	67E		
28790	SPR	33.90	NW	NE	35	13N	67E		
38972	UG	34.09	NW	NE	35	13N	67E	192.12	
6834	STR	7.50	NE	NW	35	13N	67E	97.30	PINE CREEK
6834	STR	4.10	NE	NW	35	13N	67E		
6834	STR	1.20	NE	NW	35	13N	67E		
6834	STR	19.50	NE	NW	35	13N	67E		
6834	STR	2.00	NE	NW	35	13N	67E		
6834	STR	1.50	NE	NW	35	13N	67E		
27739	STR	36.80	NE	NW	35	13N	67E		
27740	STR	36.80	NE	NW	35	13N	67E		
27741	STR	36.80	NE	NW	35	13N	67E		
27742	STR	36.80	NE	NW	35	13N	67E		
27901	STR	36.80	NE	NW	35	13N	67E		
28790	SPR	36.80	NE	NW	35	13N	67E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 9 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
38972	UG	37.87	NE	NW	35	13N	67E		
V00714	STR	40.00	NE	NW	35	13N	67E		WILLIAMS CREEK, AFS
V02851	SPR	40.00	NE	NW	35	13N	67E		
V02852	SPR	40.00	NE	NW	35	13N	67E		
V02853	SPR	40.00	NE	NW	35	13N	67E		
V02854	SPR	40.00	NE	NW	35	13N	67E		
V02855	SPR	40.00	NE	NW	35	13N	67E		
V02851	SPR	40.00	NW	NW	35	13N	67E		
V02852	SPR	40.00	NW	NW	35	13N	67E		
V02853	SPR	40.00	NW	NW	35	13N	67E		
V02854	SPR	40.00	NW	NW	35	13N	67E		
V02855	SPR	40.00	NW	NW	35	13N	67E		
6834	STR	0.70	NW	NW	35	13N	67E		
6834	STR	5.20	NW	NW	35	13N	67E		
6834	STR	15.70	NW	NW	35	13N	67E		
27739	STR	40.00	NW	NW	35	13N	67E		
27740	STR	40.00	NW	NW	35	13N	67E		
27741	STR	40.00	NW	NW	35	13N	67E		
27742	STR	40.00	NW	NW	35	13N	67E		
27901	STR	40.00	NW	NW	35	13N	67E		
28790	SPR	40.00	NW	NW	35	13N	67E		
38972	UG	40.30	NW	NW	35	13N	67E		
V00714	STR	40.00	NW	NW	35	13N	67E		
V02851	SPR	25.00	SW	NW	35	13N	67E		
V02852	SPR	25.00	SW	NW	35	13N	67E		
V02853	SPR	25.00	SW	NW	35	13N	67E		
V02854	SPR	25.00	SW	NW	35	13N	67E		
V02855	SPR	25.00	SW	NW	35	13N	67E		
6834	STR	13.00	SW	NW	35	13N	67E		
6834	STR	4.10	SW	NW	35	13N	67E		
6834	STR	9.40	SW	NW	35	13N	67E		
27739	STR	40.00	SW	NW	35	13N	67E		
27740	STR	40.00	SW	NW	35	13N	67E		
27741	STR	40.00	SW	NW	35	13N	67E		
27742	STR	40.00	SW	NW	35	13N	67E		
27901	STR	40.00	SW	NW	35	13N	67E		
28790	SPR	40.00	SW	NW	35	13N	67E		
38972	UG	40.38	SW	NW	35	13N	67E		
V00714	STR	40.00	SW	NW	35	13N	67E		
V02851	SPR	17.70	SE	NW	35	13N	67E		
V02852	SPR	17.70	SE	NW	35	13N	67E		
V02853	SPR	17.70	SE	NW	35	13N	67E		
V02854	SPR	17.70	SE	NW	35	13N	67E		
V02855	SPR	17.70	SE	NW	35	13N	67E		
6834	STR	6.60	SE	NW	35	13N	67E		
6834	STR	6.80	SE	NW	35	13N	67E		
27739	STR	37.75	SE	NW	35	13N	67E		
27740	STR	37.75	SE	NW	35	13N	67E		
27741	STR	37.75	SE	NW	35	13N	67E		
27742	STR	37.75	SE	NW	35	13N	67E		
27901	STR	37.75	SE	NW	35	13N	67E		
28790	SPR	37.75	SE	NW	35	13N	67E		
38972	UG	39.48	SE	NW	35	13N	67E		
V00714	STR	40.00	SE	NW	35	13N	67E		
V02854	SPR	3.20	NW	NW	26	13N	67E		
1052	STR	3.00	NW	NW	6	13N	68E		WILLARD CREEK

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 10 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
17017	STR	13.93	NW	NW	6	13N	68E		WILLARD CREEK
17017	STR	7.19	NE	NW	6	13N	68E		
17017	STR	1.79	SW	NW	6	13N	68E		
V01216	STR	PORT. 100	SE	SE	24	15N	66E	100.00	BASTIAN CREEK, 400 AFA
10703	STR	5.68	SE	SE	24	15N	66E	64.19	BASTIAN CREEK
V01216	STR	PORT. 100	NE	SE	24	15N	66E		
10703	STR	15.17	NE	SE	24	15N	66E		
V01216	STR	PORT. 100	NW	SE	24	15N	66E		
10703	STR	2.80	NW	SE	24	15N	66E		
V01216	STR	PORT. 100	SW	SE	24	15N	66E		
V01216	STR	PORT. 100	SW	NE	24	15N	66E		
10703	STR	16.62	SW	NE	24	15N	66E		
V01216	STR	PORT. 100	SE	NE	24	15N	66E		
V01216	STR	PORT. 100	NW	NE	24	15N	66E		
V01216	STR	PORT. 100	NE	NE	24	15N	66E		
V01216	STR	PORT. 100	NW	NW	24	15N	66E		
V01216	STR	PORT. 100	NE	NW	24	15N	66E		
V01216	STR	PORT. 100	SW	NW	24	15N	66E		
V01216	STR	PORT. 100	SE	NW	24	15N	66E		
V01216	STR	PORT. 100	NW	SW	24	15N	66E		
V01216	STR	PORT. 100	NE	SW	24	15N	66E		
V01216	STR	PORT. 100	SW	SW	24	15N	66E		
V01216	STR	PORT. 100	SE	SW	24	15N	66E		
10703	STR	16.30	NW	NE	19	15N	67E		
10703	STR	3.72	NW	SW	19	15N	67E		
10703	STR	3.90	SW	SW	19	15N	67E		
5546	SPR	0.59	NE	SE	17	15N	68E	23.28	WOODMAN SPRINGS, AFS
5546	SPR	4.67	NE	SE	17	15N	68E		
5546	SPR	0.90	NW	SE	17	15N	68E		
5546	SPR	0.50	NW	SE	17	15N	68E		
66734	SPR	5.00	NW	SE	17	15N	68E	5.00	SPRING HILL SPRING
5546	SPR	1.24	SW	SE	17	15N	68E		
5546	SPR	0.69	SW	SE	17	15N	68E		
5546	SPR	3.21	SW	SE	17	15N	68E		
66734	SPR	5.00	SW	SE	17	15N	68E		
5546	SPR	10.53	SE	SE	17	15N	68E		
5546	SPR	0.93	SE	SE	17	15N	68E		
1922	SPR	20.00		NE	21	15N	68E	20.00	BACON SPRING
12571	SPR	5.37	SE	NW	21	15N	68E	16.08	BACON SPRING
12571	SPR	10.71	SW	NE	21	15N	68E		
13652	SPR	2.00	NW	NW	21	15N	68E	2.00	SPRING HILL
V00790	STR	PORT. 7.4	NE	SE	12	16N	66E	2711.92	CLEVELAND CREEK
V00790	STR	PORT. 7.4	SE	SE	12	16N	66E		
V01217	STR	PORT. 640			13	16N	66E	3000.00	CLEVELAND CREEK
V00790	STR	PORT. 26.6	NE	NE	13	16N	66E		
V00790	STR	PORT. 26.6	SE	NE	13	16N	66E		
V00790	STR	PORT. 26.6	NW	SE	13	16N	66E		
V00790	STR	PORT. 15	SW	SE	13	16N	66E		
V00790	STR	PORT. 15	SE	SW	13	16N	66E		
8393	STR	28.93	NW	NW	2	16N	67E	151.20	NEGRO CREEK
10487	STR	28.90	NW	NW	2	16N	67E	287.30	NEGRO CREEK



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 11 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
8393	STR	10.10	SW	NW	2	16N	67E		
10487	STR	10.10	SW	NW	2	16N	67E		
8393	STR	39.37	SE	NE	3	16N	67E		
10487	STR	40.00	SE	NE	3	16N	67E		
8393	STR	34.60	NE	NE	3	16N	67E		
10487	STR	34.60	NE	NE	3	16N	67E		
10487	STR	39.50	NW	NE	3	16N	67E		
10487	STR	16.40	SW	NE	3	16N	67E		
V00790	STR	PORT. 440	NW	NW	5	16N	67E		
V01218	STR	40.00	NW	NW	5	16N	67E	1200.00	STEPHEN CREEK
V02817-V02828	SPR	40.00	NW	NW	5	16N	67E	2400.00	BIG RESERVOIR SPRING NO. 11
V00790	STR	PORT. 440	NE	NW	5	16N	67E		
V01218	STR	40.00	NE	NW	5	16N	67E		
V02817-V02828	SPR	40.00	NE	NW	5	16N	67E		
V00790	STR	PORT. 440	SW	NW	5	16N	67E		
V01218	STR	40.00	SW	NW	5	16N	67E		
V02817-V02828	SPR	40.00	SW	NW	5	16N	67E		
V00790	STR	PORT. 440	SE	NW	5	16N	67E		
V01218	STR	40.00	SE	NW	5	16N	67E		
V02817-V02828	SPR	40.00	SE	NW	5	16N	67E		
V00790	STR	PORT. 440	NW	SW	5	16N	67E		
V01218	STR	40.00	NW	SW	5	16N	67E		
V02817-V02828	SPR	40.00	NW	SW	5	16N	67E		
V00790	STR	PORT. 440	NE	SW	5	16N	67E		
V01218	STR	40.00	NE	SW	5	16N	67E		
V02817-V02828	SPR	40.00	NE	SW	5	16N	67E		
V00790	STR	PORT. 440	SW	SW	5	16N	67E		
V01218	STR	40.00	SW	SW	5	16N	67E		
V02817-V02828	SPR	40.00	SW	SW	5	16N	67E		
V00790	STR	PORT. 440	SE	SW	5	16N	67E		
V01218	STR	40.00	SE	SW	5	16N	67E		
V02817-V02828	SPR	40.00	SE	SW	5	16N	67E		
V00790	STR	PORT. 440	NW	NE	5	16N	67E		
V01218	STR	40.00	NW	NE	5	16N	67E		
V02817-V02828	SPR	40.00	NW	NE	5	16N	67E		
V00790	STR	PORT. 440	SW	NE	5	16N	67E		
V01218	STR	40.00	SW	NE	5	16N	67E		
V02817-V02828	SPR	40.00	SW	NE	5	16N	67E		
V00790	STR	PORT. 440	NW	SE	5	16N	67E		
V01218	STR	40.00	NW	SE	5	16N	67E		
V02817-V02828	SPR	40.00	NW	SE	5	16N	67E		
V00790	STR	PORT. 440	SW	SE	5	16N	67E		
V01218	STR	40.00	SW	SE	5	16N	67E		
V02817-V02828	SPR	40.00	SW	SE	5	16N	67E		
V00790	STR	PORT. 416.2	NW	NE	6	16N	67E		
V01218	STR	40.00	NW	NE	6	16N	67E		
V02817-V02828	SPR	40.00	NW	NE	6	16N	67E		
V00790	STR	PORT. 416.2	NE	NE	6	16N	67E		
V01218	STR	40.00	NE	NE	6	16N	67E		
V02817-V02828	SPR	40.00	NE	NE	6	16N	67E		
V00790	STR	PORT. 416.2	SW	NE	6	16N	67E		
V01218	STR	40.00	SW	NE	6	16N	67E		
V02817-V02828	SPR	40.00	SW	NE	6	16N	67E		
V00790	STR	PORT. 416.2	SE	NE	6	16N	67E		
V01218	STR	40.00	SE	NE	6	16N	67E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 12 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
V02817-V02828	SPR	40.00	SE	NE	6	16N	67E		
V00790	STR	PORT. 416.2	NW	SE	6	16N	67E		
V01218	STR	40.00	NW	SE	6	16N	67E		
V02817-V02828	SPR	40.00	NW	SE	6	16N	67E		
V00790	STR	PORT. 416.2	NE	SE	6	16N	67E		
V01218	STR	40.00	NE	SE	6	16N	67E		
V02817-V02828	SPR	40.00	NE	SE	6	16N	67E		
V00790	STR	PORT. 416.2	SW	SE	6	16N	67E		
V01218	STR	40.00	SW	SE	6	16N	67E		
V02817-V02828	SPR	40.00	SW	SE	6	16N	67E		
V00790	STR	PORT. 416.2	SE	SE	6	16N	67E		
V01218	STR	40.00	SE	SE	6	16N	67E		
V02817-V02828	SPR	40.00	SE	SE	6	16N	67E		
V00790	STR	PORT. 416.2	NE	NW	6	16N	67E		
V01218	STR	40.00	NE	NW	6	16N	67E		
V00790	STR	PORT. 416.2	SE	NW	6	16N	67E		
V01218	STR	40.00	SE	NW	6	16N	67E		
V00790	STR	PORT. 416.2	NE	SW	6	16N	67E		
V01218	STR	40.00	NE	SW	6	16N	67E		
V00790	STR	PORT. 416.2	SE	SW	6	16N	67E		
V01218	STR	40.00	SE	SW	6	16N	67E		
V00790	STR	40.00	NW	NE	7	16N	67E		
V02817-V02828	SPR	40.00	NW	NE	7	16N	67E		
V00790	STR	40.00	NE	NE	7	16N	67E		
V02817-V02828	SPR	40.00	NE	NE	7	16N	67E		
V00790	STR	40.00	SW	NE	7	16N	67E		
V02817-V02828	SPR	40.00	SW	NE	7	16N	67E		
V00790	STR	40.00	SE	NE	7	16N	67E		
V02817-V02828	SPR	40.00	SE	NE	7	16N	67E		
V00790	STR	40.00	NW	SE	7	16N	67E		
V02817-V02828	SPR	40.00	NW	SE	7	16N	67E		
V00790	STR	40.00	NE	SE	7	16N	67E		
V02817-V02828	SPR	40.00	NE	SE	7	16N	67E		
V00790	STR	40.00	SW	SE	7	16N	67E		
V02817-V02828	SPR	40.00	SW	SE	7	16N	67E		
V00790	STR	40.00	SE	SE	7	16N	67E		
V02817-V02828	SPR	40.00	SE	SE	7	16N	67E		
V00790	STR	40.00	NE	NW	7	16N	67E		
V02817-V02828	SPR	40.00	NE	NW	7	16N	67E		
V00790	STR	40.00	SE	NW	7	16N	67E		
V02817-V02828	SPR	40.00	SE	NW	7	16N	67E		
V00790	STR	40.00	NE	SW	7	16N	67E		
V02817-V02828	SPR	40.00	NE	SW	7	16N	67E		
V00790	STR	40.00	SE	SW	7	16N	67E		
V02817-V02828	SPR	40.00	SE	SW	7	16N	67E		
V00790	STR	PORT. 135.7	NW	NW	7	16N	67E		
V00790	STR	PORT. 135.7	SW	NW	7	16N	67E		
V00790	STR	PORT. 135.7	NW	SW	7	16N	67E		
V00790	STR	PORT. 135.7	SW	SW	7	16N	67E		
V01217	STR	640.00			7	16N	67E		
V01217	STR	480.00			8	16N	67E		
V00790	STR	40.00	NW	NE	8	16N	67E		
V02817-V02828	SPR	40.00	NW	NE	8	16N	67E		
V00790	STR	40.00	SW	NE	8	16N	67E		
V02817-V02828	SPR	40.00	SW	NE	8	16N	67E		
V00790	STR	40.00	NW	SE	8	16N	67E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 13 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
V02817-V02828	SPR	40.00	NW	SE	8	16N	67E		
V00790	STR	40.00	SW	SE	8	16N	67E		
V02817-V02828	SPR	40.00	SW	SE	8	16N	67E		
V00790	STR	40.00	NW	NW	8	16N	67E		
V02817-V02828	SPR	40.00	NW	NW	8	16N	67E		
V00790	STR	40.00	NE	NW	8	16N	67E		
V02817-V02828	SPR	40.00	NE	NW	8	16N	67E		
V00790	STR	40.00	SW	NW	8	16N	67E		
V02817-V02828	SPR	40.00	SW	NW	8	16N	67E		
V00790	STR	40.00	SE	NW	8	16N	67E		
V02817-V02828	SPR	40.00	SE	NW	8	16N	67E		
V00790	STR	40.00	NW	SW	8	16N	67E		
V02817-V02828	SPR	40.00	NW	SW	8	16N	67E		
V00790	STR	40.00	NE	SW	8	16N	67E		
V02817-V02828	SPR	40.00	NE	SW	8	16N	67E		
V00790	STR	40.00	SW	SW	8	16N	67E		
V02817-V02828	SPR	40.00	SW	SW	8	16N	67E		
V00790	STR	40.00	SE	SW	8	16N	67E		
3203	SPR	7.00	SW	NE	9	16N	67E	35.00	DEEP SPRING SLOUGH
3203	SPR	28.00	NW	SE	9	16N	67E		
V01217	STR	480.00			17	16N	67E		
V02817-V02828	SPR	40.00	SW	SW	17	16N	67E		
2852	STR	15.90	SW	SW	17	16N	67E	802.16	CLEVELAND CREEK
V00790	STR	40.00	SW	SW	17	16N	67E		
V02817-V02828	SPR	40.00	NE	SW	17	16N	67E		
V02817-V02828	SPR	40.00	NW	SW	17	16N	67E		
V00790	STR	40.00	NW	SW	17	16N	67E		
V00790	STR	40.00	SE	SW	17	16N	67E		
2852	STR	5.50	SE	SW	17	16N	67E		
V00790	STR	PORT. 90	NW	NE	17	16N	67E		
V02817-V02828	SPR	40.00	NW	NE	17	16N	67E		
V00790	STR	PORT. 90	SW	NE	17	16N	67E		
V02817-V02828	SPR	40.00	SW	NE	17	16N	67E		
V00790	STR	PORT. 90	NW	SE	17	16N	67E		
V02817-V02828	SPR	40.00	NW	SE	17	16N	67E		
V00790	STR	40.00	NW	NW	17	16N	67E		
V02817-V02828	SPR	40.00	NW	NW	17	16N	67E		
V00790	STR	40.00	NE	NW	17	16N	67E		
V02817-V02828	SPR	40.00	NE	NW	17	16N	67E		
V00790	STR	40.00	SW	NW	17	16N	67E		
V02817-V02828	SPR	40.00	SW	NW	17	16N	67E		
V00790	STR	40.00	SE	NW	17	16N	67E		
V02817-V02828	SPR	40.00	SE	NW	17	16N	67E		
V01217		640.00			18	16N	67E		
V00790	STR	PORT. 60	NW	NW	18	16N	67E		
V00790	STR	PORT. 5	NW	NW	18	16N	67E		
V00790	STR	40.00	NE	NW	18	16N	67E		
V00790	STR	PORT. 60	SW	NW	18	16N	67E		
V00790	STR	PORT. 5	SW	NW	18	16N	67E		
V00790	STR	40.00	SE	NW	18	16N	67E		
V00790	STR	40.00	NW	NE	18	16N	67E		
V02817-V02828	SP	40.00	NW	NE	18	16N	67E		
V00790	STR	40.00	NE	NE	18	16N	67E		
V02817-V02828	SPR	40.00	NE	NE	18	16N	67E		
V00790	STR	40.00	SW	NE	18	16N	67E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 14 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
V02817-V02828	SPR	40.00	SW	NE	18	16N	67E		
V00790	STR	40.00	SE	NE	18	16N	67E		
V02817-V02828	SPR	40.00	SE	NE	18	16N	67E		
V00790	STR	PORT. 246.7	NW	SW	18	16N	67E		
V00790	STR	PORT. 246.7	NE	SW	18	16N	67E		
V00790	STR	PORT. 246.7	SW	SW	18	16N	67E		
V00790	STR	PORT. 246.7	SE	SW	18	16N	67E		
V00790	STR	PORT. 246.7	NW	SE	18	16N	67E		
V02817-V02828	SPR	40.00	NE	SE	18	16N	67E		
V00790	STR	PORT. 246.7	NE	SE	18	16N	67E		
V00790	STR	PORT. 246.7	SW	SE	18	16N	67E		
V00790	STR	PORT. 246.7	SE	SE	18	16N	67E		
2852		1.00	SE	SE	18	16N	67E		
V01217	STR	PORT. 640			19	16N	67E		
2852	STR	PORT. 102.5	NW	NE	19	16N	67E		
V00790	STR	PORT. 96.2	NW	NE	19	16N	67E		
2852	STR	PORT. 102.5	NE	NE	19	16N	67E		
V00790	STR	PORT. 96.2	NE	NE	19	16N	67E		
2852		PORT. 102.5	SW	NE	19	16N	67E		
V00790	STR	PORT. 63.3	SW	NE	19	16N	67E		
2852	STR	PORT. 102.5	SE	NE	19	16N	67E		
V00790	STR	PORT. 63.3	SE	NE	19	16N	67E		
2852	STR	0.17	NE	NW	19	16N	67E		
V00790	STR	PORT. 96.2	NE	NW	19	16N	67E		
2852	STR	2.29	NW	SE	19	16N	67E		
2852	STR	37.90	NE	SE	19	16N	67E		
V00790	STR	PORT. 68.5	NE	SE	19	16N	67E		
2852	STR	28.70	SE	SE	19	16N	67E		
V00790	STR	PORT. 68.5	SE	SE	19	16N	67E		
V01217	STR	PORT. 640			20	16N	67E		
2852	STR	13.20	NW	NE	20	16N	67E		
2852	STR	34.00	SW	NE	20	16N	67E		
2852	STR	28.70	NW	SE	20	16N	67E		
2852	STR	19.70	SW	SE	20	16N	67E		
2852	STR	PORT. 149.7	NW	NW	20	16N	67E		
V00790	STR	40.00	NW	NW	20	16N	67E		
2852	STR	PORT. 149.7	NE	NW	20	16N	67E		
V00790	STR	40.00	NE	NW	20	16N	67E		
2852	STR	PORT. 149.7	SW	NW	20	16N	67E		
V00790	STR	40.00	SW	NW	20	16N	67E		
2852	STR	PORT. 149.7	SE	NW	20	16N	67E		
V00790	STR	40.00	SE	NW	20	16N	67E		
2852	STR	40.00	NW	SW	20	16N	67E		
V00790	STR	40.00	NW	SW	20	16N	67E		
2852	STR	40.00	SW	SW	20	16N	67E		
V00790	STR	40.00	SW	SW	20	16N	67E		
2852	STR	40.00	NE	SW	20	16N	67E		
V00790	STR	40.00	NE	SW	20	16N	67E		
2852	STR	40.00	SE	SW	20	16N	67E		
V00790	STR	40.00	SE	SW	20	16N	67E		
2852	STR	26.40	NW	NE	29	16N	67E		
2852	STR	17.80	SW	NE	29	16N	67E		
2852	STR	40.00	NW	NW	29	16N	67E		
V00790	STR	PORT. 143.6	NW	NW	29	16N	67E		
2852	STR	40.00	NE	NW	29	16N	67E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 15 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
V00790	STR	PORT. 143.6	NE	NW	29	16N	67E		
2852	STR	37.70	SE	NW	29	16N	67E		
V00790	STR	PORT. 143.6	SE	NW	29	16N	67E		
2852	STR	28.90	SW	NW	29	16N	67E		
V00790	STR	PORT. 143.6	SW	NW	29	16N	67E		
2852	STR	12.10	NE	NE	30	16N	67E		
V00790	STR	PORT. 21.4	NE	NE	30	16N	67E		
V00790	STR	PORT. 21.4	SE	NE	30	16N	67E		
3793	SPR	2.29	SE	SW	15	16N	68E	10.22	CHOKEBERRY SPRING
3793	SPR	3.21	SW	SW	15	16N	68E		
V01080	STR	8.50		NW	16	16N	68E	66.63	NEGRO CREEK
V01080	STR	58.13		N1/2	17	16N	68E		
3793	SPR	0.10	NE	NW	22	16N	68E		
3793	SPR	4.62	NW	NW	22	16N	68E		
V01215	STR	PORT. 39	NE	NE	12	17N	66E	1600.00	MCCOY CREEK
V01215	STR	PORT. 39	SE	NE	12	17N	66E		
V01215	STR	PORT. 27	NE	SE	12	17N	66E		
V01215	STR	PORT. 27	NW	SE	12	17N	66E		
V01215	STR	PORT. 27	SW	SE	12	17N	66E		
V01215	STR	PORT. 27	SE	SE	12	17N	66E		
V01215	STR	PORT. 39	NW	NE	12	17N	66E		
V01215	STR	PORT. 39	SW	NE	12	17N	66E		
3383	STR	1.90	NE	SW	14	17N	66E	19.96	TAFT CREEK
3383	STR	15.36	NW	SE	14	17N	66E		
3383	STR	1.00	NW	SE	14	17N	66E		
3383	STR	1.70	NW	SE	14	17N	66E		
10710	STR	PORT. 14.657	NW	SW	6	17N	67E	310.00	MCCOY CREEK
V00791	STR	40.00	NW	SW	6	17N	67E	1593.86	MCCOY CREEK AND GARDEN CREEK
10710	STR	PORT. 14.657	NE	SW	6	17N	67E		
V00791	STR	40.00	NE	SW	6	17N	67E		
10710	STR	PORT. 14.657	SW	SW	6	17N	67E		
V00791	STR	40.00	SW	SW	6	17N	67E		
10710	STR	PORT. 14.657	SE	SW	6	17N	67E		
V00791	STR	40.00	SE	SW	6	17N	67E		
10710	STR	PORT. 14.619	NW	SE	6	17N	67E		
10710	STR	PORT. 14.619	NW	SE	6	17N	67E		
V00791	STR	40.00	NW	SE	6	17N	67E		
10710	STR	PORT. 14.619	NE	SE	6	17N	67E		
10710	STR	PORT. 14.619	NE	SE	6	17N	67E		
V00791	STR	40.00	NE	SE	6	17N	67E		
10710	STR	PORT. 14.619	SW	SE	6	17N	67E		
10710	STR	PORT. 14.619	SW	SE	6	17N	67E		
V00791	STR	40.00	SW	SE	6	17N	67E		
10710	STR	PORT. 14.619	SW	SE	6	17N	67E		
10710	STR	PORT. 14.619	SE	SE	6	17N	67E		
V00791	STR	40.00	SE	SE	6	17N	67E		
10710	STR	PORT. 27.156	NW	NE	6	17N	67E		
10710	STR	PORT. 14.619	NW	NE	6	17N	67E		
V00791	STR	40.00	NW	NE	6	17N	67E		
10710	STR	PORT. 27.156	NE	NE	6	17N	67E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 16 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
10710	STR	PORT. 14.619	NE	NE	6	17N	67E		
V00791	STR	40.00	NE	NE	6	17N	67E		
10710	STR	PORT. 27.156	SW	NE	6	17N	67E		
10710	STR	PORT. 14.619	SW	NE	6	17N	67E		
V00791	STR	40.00	SW	NE	6	17N	67E		
10710	STR	PORT. 27.156	SE	NE	6	17N	67E		
10710	STR	PORT. 14.619	SE	NE	6	17N	67E		
V00791	STR	40.00	SE	NE	6	17N	67E		
10710	STR	PORT. 55.138	NW	NW	6	17N	67E		
10710	STR	PORT. 14.619	NW	NW	6	17N	67E		
V00791	STR	40.00	NW	NW	6	17N	67E		
V01215	STR	PORT. 61	NW	NW	6	17N	67E		
10710	STR	PORT. 55.138	NE	NW	6	17N	67E		
10710	STR	PORT. 14.619	NE	NW	6	17N	67E		
V00791	STR	40.00	NE	NW	6	17N	67E		
V01215	STR	PORT. 61	NE	NW	6	17N	67E		
10710	STR	PORT. 55.138	SW	NW	6	17N	67E		
10710	STR	PORT. 14.619	SW	NW	6	17N	67E		
V00791	STR	40.00	SW	NW	6	17N	67E		
V01215	STR	PORT. 61	SW	NW	6	17N	67E		
10710	STR	PORT. 55.138	SE	NW	6	17N	67E		
10710	STR	PORT. 14.619	SE	NW	6	17N	67E		
V00791	STR	40.00	SE	NW	6	17N	67E		
V01215	STR	PORT. 61	SE	NW	6	17N	67E		
10710	STR	PORT. 31.297	NW	SW	7	17N	67E		
10710	STR	PORT. 39.193	NW	SW	7	17N	67E		
V00791	STR	40.00	NW	SW	7	17N	67E		
V01215	STR	PORT. 20	NW	SW	7	17N	67E		
10710	STR	PORT. 31.297	NE	SW	7	17N	67E		
10710	STR	PORT. 39.193	NE	SW	7	17N	67E		
V00791	STR	40.00	NE	SW	7	17N	67E		
V01215	STR	PORT. 20	NE	SW	7	17N	67E		
10710	STR	PORT. 31.297	SW	SW	7	17N	67E		
10710	STR	PORT. 39.193	SW	SW	7	17N	67E		
V00791	STR	40.00	SW	SW	7	17N	67E		
V01215	STR	PORT. 20	SW	SW	7	17N	67E		
10710	STR	PORT. 31.297	SE	SW	7	17N	67E		
10710	STR	PORT. 39.193	SE	SW	7	17N	67E		
V00791	STR	40.00	SE	SW	7	17N	67E		
V01215	STR	PORT. 20	SE	SW	7	17N	67E		
10710	STR	PORT. 21.036	NW	SE	7	17N	67E		
10710	STR	PORT. 11.934	NW	SE	7	17N	67E		
V00791	STR	40.00	NW	SE	7	17N	67E		
10710	STR	PORT. 21.036	NE	SE	7	17N	67E		
V00791	STR	40.00	NE	SE	7	17N	67E		
10710	STR	PORT. 21.036	SW	SE	7	17N	67E		
10710	STR	PORT. 11.934	SW	SE	7	17N	67E		
V00791	STR	40.00	SW	SE	7	17N	67E		
10710	STR	PORT. 21.036	SE	SE	7	17N	67E		
V00791	STR	40.00	SE	SE	7	17N	67E		
10710	STR	PORT. 76.773	NW	NE	7	17N	67E		
V00791	STR	40.00	NW	NE	7	17N	67E		
10710	STR	PORT. 76.773	NE	NE	7	17N	67E		
V00791	STR	40.00	NE	NE	7	17N	67E		
10710	STR	PORT. 76.773	SW	NE	7	17N	67E		
V00791	STR	40.00	SW	NE	7	17N	67E		
10710	STR	PORT. 76.773	SE	NE	7	17N	67E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 17 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
V00791	STR	40.00	SE	NE	7	17N	67E		
10710	STR	PORT. 18.196	NW	NW	7	17N	67E		
V00791	STR	40.00	NW	NW	7	17N	67E		
V01215	STR	PORT. 12	NW	NW	7	17N	67E		
10710	STR	PORT. 18.196	NE	NW	7	17N	67E		
V00791	STR	40.00	NE	NW	7	17N	67E		
V01215	STR	PORT. 12	NE	NW	7	17N	67E		
10710	STR	PORT. 18.196	SW	NW	7	17N	67E		
V00791	STR	40.00	SW	NW	7	17N	67E		
V01215	STR	PORT. 12	SW	NW	7	17N	67E		
10710	STR	PORT. 18.196	SE	NW	7	17N	67E		
V00791	STR	40.00	SE	NW	7	17N	67E		
V01215	STR	PORT. 12	SE	NW	7	17N	67E		
21220	STR	20.56	NE	NW	18	17N	67E	191.94	TAFT CREEK
21687	STR	22.05	NE	NW	18	17N	67E	385.11	TAFT CREEK
21688	STR	22.05	NE	NW	18	17N	67E	385.11	SOUTH TAFT CREEK
21220	STR	13.84	SW	NW	18	17N	67E		
21687	STR	13.94	SW	NW	18	17N	67E		
21688	STR	13.94	SW	NW	18	17N	67E		
21220	STR	33.79	SE	NW	18	17N	67E		
21687	STR	40.00	SE	NW	18	17N	67E		
21688	STR	40.00	SE	NW	18	17N	67E		
21687	STR	0.20	NW	NW	18	17N	67E		
21688	STR	0.20	NW	NW	18	17N	67E		
21220	STR	21.21	SW	NE	18	17N	67E		
21687	STR	21.21	SW	NE	18	17N	67E		
21688	STR	21.21	SW	NE	18	17N	67E		
21220	STR	8.29	NW	NE	18	17N	67E		
21687	STR	8.29	NW	NE	18	17N	67E		
21688	STR	8.29	NW	NE	18	17N	67E		
21220	STR	17.79	NW	SE	18	17N	67E		
21687	STR	17.79	NW	SE	18	17N	67E		
21688	STR	17.79	NW	SE	18	17N	67E		
21220	STR	13.36	SW	SE	18	17N	67E		
21687	STR	13.36	SW	SE	18	17N	67E		
21688	STR	13.36	SW	SE	18	17N	67E		
21687	STR	35.90	SE	SW	18	17N	67E		
21688	STR	35.90	SE	SW	18	17N	67E		
21220	STR	23.10	SE	SW	18	17N	67E		
21687	STR	12.51	NW	SW	18	17N	67E		
21688	STR	12.51	NW	SW	18	17N	67E		
21687	STR	0.51	SW	SW	18	17N	67E		
21688	STR	0.51	SW	SW	18	17N	67E		
21220	STR	40.00	NE	SW	18	17N	67E		
21687	STR	40.00	NE	SW	18	17N	67E		
21688	STR	40.00	NE	SW	18	17N	67E		
21688	STR	6.64	NW	SW	19	17N	67E		
21687	STR	15.63	NE	SW	19	17N	67E		
21688	STR	15.63	NE	SW	19	17N	67E		
21687	STR	22.36	SW	NW	19	17N	67E		
21688	STR	22.36	SW	NW	19	17N	67E		
21687	STR	40.00	SE	NW	19	17N	67E		
21688	STR	40.00	SE	NW	19	17N	67E		
21687	STR	6.73	NW	NW	19	17N	67E		
21688	STR	6.73	NW	NW	19	17N	67E		
21687	STR	39.80	NE	NW	19	17N	67E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 18 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
21688	STR	39.80	NE	NW	19	17N	67E		
21687	STR	28.19	NW	NE	19	17N	67E		
21688	STR	28.19	NW	NE	19	17N	67E		
10801	STR	27.21	SW	SE	21	17N	67E	79.19	BIG MEADOW SLOUGH
10801	STR	17.73	NW	SE	21	17N	67E		
10921	SPR	8.44	NE	NE	23	17N	67E	240.74	SOUTH MILLICK SPRING
10993	SPR	8.44	NE	NE	23	17N	67E	178.54	NORTH MILLICK SPRING, COMBINED WITH 10921
10921	SPR	40.00	SE	NE	23	17N	67E		
10993	SPR	40.00	SE	NE	23	17N	67E		
10921	SPR	34.10	NE	SE	23	17N	67E		
10921	SPR	11.90	NW	NW	24	17N	67E		
10993	SPR	11.90	NW	NW	24	17N	67E		
10921	SPR	39.80	NE	NW	24	17N	67E		
10993	SPR	39.80	NE	NW	24	17N	67E		
10921	SPR	40.00	SW	NW	24	17N	67E		
10993	SPR	40.00	SW	NW	24	17N	67E		
10921	SPR	38.40	SE	NW	24	17N	67E		
10993	SPR	38.40	SE	NW	24	17N	67E		
10921	SPR	28.10	NW	SW	24	17N	67E		
1159	STR	29.30	SE	SE	28	17N	67E	209.10	GOSHUTE CREEK
5691	STR	28.00	SE	SE	28	17N	67E	189.53	SLOUGH IN SPRING V.
10801	STR	18.72	NE	NW	28	17N	67E		
10801	STR	15.53	NW	NE	28	17N	67E		
6754	SPR	37.20	SE	NE	30	17N	67E	53.80	MUD SPRING
6754	SPR	16.60	NE	SE	30	17N	67E		
V01764	STR	PORT. 10	SE	SW	30	17N	67E	10.00	BIPONT CREEK
V01764	STR	PORT. 10	SW	SE	30	17N	67E		
2745	SPR	20.00	SW	NE	31	17N	67E	20.00	CEDAR SPRINGS
1159	STR	PORT. 78.4	NE	NE	33	17N	67E		
5691	STR	40.00	NE	NE	33	17N	67E		
1159	STR	PORT. 78.4	SE	NE	33	17N	67E		
5691	STR	40.00	SE	NE	33	17N	67E		
1159	STR	19.00	NE	SE	33	17N	67E		
5691	STR	23.03	NE	SE	33	17N	67E		
1159	STR	PORT. 62.4	NW	NW	34	17N	67E		
5691	STR	21.20	NW	NW	34	17N	67E		
1159	STR	PORT. 62.4	SW	NW	34	17N	67E		
5691	STR	23.70	SW	NW	34	17N	67E		
1159	STR	20.00	NW	SW	34	17N	67E		
5691	STR	13.60	NW	SW	34	17N	67E		
10487	STR	40.00	NE	SE	34	17N	67E		
10487	STR	40.00	SE	SE	34	17N	67E		
3186	STR	40.00	NE	SW	35	17N	67E	160.00	NEGRO CREEK
3186	STR	40.00	NW	SW	35	17N	67E		
8393	STR	38.20	SW	SW	35	17N	67E		
10487	STR	37.80	SW	SW	35	17N	67E		
3186	STR	40.00	SE	NW	35	17N	67E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 19 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
3186	STR	40.00	SW	NW	35	17N	67E		
3927	SPR	1.00	NW	NW	27	17N	68E	10.00	FOUR MILE SPRING
3927	SPR	4.00	SW	NW	27	17N	68E		
5028	SPR	3.04	SW	NW	27	17N	68E	6.60	FOUR MILE SPRINGS
3927	SPR	5.00	SE	NE	28	17N	68E		
5028	SPR	3.56	SE	NE	28	17N	68E		
39816	UG	0.00	NW	SW	12	18N	66E	0.00	ACREAGE REDUCED BY PERMIT 56049, TOTALLY ABROGATED BY 39816
39816	UG	0.00	NE	SW	12	18N	66E		
V01213	STR	40.00	SW	SW	12	18N	66E	320.00	NORTH GARDEN CREEK
39816	UG	0.00	SW	SW	12	18N	66E		
V01213	STR	40.00	SE	SW	12	18N	66E		
39816	UG	0.00	SE	SW	12	18N	66E		
39816	UG	0.00	SW	SE	12	18N	66E		
V01213	STR	40.00	NW	NW	13	18N	66E		
13457	STR	23.65	NW	NW	13	18N	66E	153.64	NORTH GARDEN CREEK
39816	UG	0.00	NW	NW	13	18N	66E		
V01213	STR	40.00	NE	NW	13	18N	66E		
13457	STR	22.98	NE	NW	13	18N	66E		
13457	STR	0.34	NE	NW	13	18N	66E		
39816	UG	0.00	NE	NW	13	18N	66E		
V01213	STR	40.00	SW	NW	13	18N	66E		
13457	STR	15.51	SW	NW	13	18N	66E		
13457	STR	17.44	SW	NW	13	18N	66E		
39816	UG	40.00	SW	NW	13	18N	66E		
V01213	STR	40.00	SE	NW	13	18N	66E		
13457	STR	31.11	SE	NW	13	18N	66E		
13457	STR	0.08	SE	NW	13	18N	66E		
13457	STR	4.20	SE	NW	13	18N	66E		
39816	UG	40.00	SE	NW	13	18N	66E		
V01213	STR	40.00	NW	SW	13	18N	66E		
13457	STR	0.17	NW	SW	13	18N	66E		
13457	STR	10.57	NW	SW	13	18N	66E		
13457	STR	3.10	NW	SW	13	18N	66E		
39816	UG	0.00	NW	SW	13	18N	66E		
V01213	STR	40.00	NE	SW	13	18N	66E		
13457	STR	9.22	NE	SW	13	18N	66E		
13457	STR	15.09	NE	SW	13	18N	66E		
39816	UG	0.00	NE	SW	13	18N	66E		
V01213	STR	40.00	SW	SW	13	18N	66E		
39816	UG	0.00	SE	SW	13	18N	66E		
39817	UG	40.00	SE	SW	13	18N	66E	300.00	
39816	UG	0.00	SW	SE	13	18N	66E		
39817	UG	40.00	SW	SE	13	18N	66E		
39816	UG	0.00	SE	SE	13	18N	66E		
39817	UG	40.00	SE	SE	13	18N	66E		
39816	UG	0.00	NE	SE	13	18N	66E		
39817	UG	40.00	NE	SE	13	18N	66E		
39816	UG	0.00	NE	NE	14	18N	66E		
V02804	STR	12.78	NW	NW	24	18N	66E	316.47	ODGERS CREEK

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 20 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
39816	UG	0.00	NW	NW	24	18N	66E		
V02804	STR	40.00	NE	NW	24	18N	66E		
39816	UG	0.00	NE	NW	24	18N	66E		
39817	UG	40.00	NE	NW	24	18N	66E		
V02804	STR	10.79	SW	NW	24	18N	66E		
V02804	STR	38.11	SE	NW	24	18N	66E		
39816	UG	0.00	NE	NE	24	18N	66E		
39816	UG	0.00	NW	NE	24	18N	66E		
39817	UG	0.00	NW	NE	24	18N	66E		
V02804	STR	39.03	SW	NE	24	18N	66E		
V02804	STR	14.92	SE	NE	24	18N	66E		
V02804	STR	40.00	NW	SE	24	18N	66E		
V02804	STR	12.70	SW	SE	24	18N	66E		
V01214	STR	40.00	NE	SE	24	18N	66E	500.00	GARDEN CREEK
39818	UG	40.00	NE	SE	24	18N	66E	860.00	AREA REDUCED BY 60 ACRES BY 56061
V01214	STR	40.00	SE	SE	24	18N	66E		
39818	UG	40.00	SE	SE	24	18N	66E		
V02804	STR	16.53	NW	SW	24	18N	66E		
V02804	STR	40.00	NE	SW	24	18N	66E		
V02804	STR	14.88	SW	SW	24	18N	66E		
V02804	STR	36.73	SE	SW	24	18N	66E		
V01214	STR	40.00	NW	SE	25	18N	66E		
28818	STR	5.22	NW	SE	25	18N	66E	60.77	GORDON CREEK
V01214	STR	40.00	NE	SE	25	18N	66E		
28818	STR	33.17	NE	SE	25	18N	66E		
39818	UG	40.00	NE	SE	25	18N	66E		
V01214	STR	40.00	SW	SE	25	18N	66E		
V01214	STR	40.00	SE	SE	25	18N	66E		
28818	STR	0.30	SE	SE	25	18N	66E		
39818	UG	40.00	SE	SE	25	18N	66E		
V01214	STR	40.00	NW	NE	25	18N	66E		
V01214	STR	40.00	NE	NE	25	18N	66E		
39818	UG	40.00	NE	NE	25	18N	66E		
V01214	STR	40.00	SE	NE	25	18N	66E		
39818	UG	40.00	SE	NE	25	18N	66E		
V02804	STR	12.78	NW	NW	25	18N	66E		
V02804	STR	40.00	NE	NW	25	18N	66E		
V01214	STR	40.00	NE	NE	36	18N	66E		
39818	UG	40.00	NE	NE	36	18N	66E		
39816	UG	0.00	SW	SW	18	18N	67E		
39817	UG	40.00	SW	SW	18	18N	67E		
39816	UG	0.00	NW	NW	19	18N	67E		
39817	UG	40.00	NW	NW	19	18N	67E		
39818	UG	40.00	SW	NW	19	18N	67E		
39818	UG	40.00	NW	SW	19	18N	67E		
39818	UG	40.00	NE	SW	19	18N	67E		
39818	UG	40.00	SW	SW	19	18N	67E		
39818	UG	40.00	SE	SW	19	18N	67E		
39818	UG	40.00	NE	NW	30	18N	67E		
V01214	STR	40.00	NW	NW	30	18N	67E		
39818	UG	40.00	NW	NW	30	18N	67E		
V01214	STR	40.00	SW	NW	30	18N	67E		
28818	STR	4.96	SW	NW	30	18N	67E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 21 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
39818	UG	40.00	SW	NW	30	18N	67E		
V01214	STR	40.00	NW	SW	30	18N	67E		
28818	STR	17.12	NW	SW	30	18N	67E		
39818	UG	40.00	NW	SW	30	18N	67E		
V01214	STR	40.00	SW	SW	30	18N	67E		
39818	UG	40.00	SW	SW	30	18N	67E		
39818	UG	40.00	SE	SW	30	18N	67E		
39818	UG	40.00	SW	NE	30	18N	67E		
39818	UG	40.00	NW	NW	31	18N	67E		
V00791	STR	40.00	NW	NW	31	18N	67E		
V01215	STR	PORT. 14	NW	NW	31	18N	67E		
39818	UG	40.00	NE	NW	31	18N	67E		
V00791	STR	40.00	NE	NW	31	18N	67E		
V01215	STR	PORT. 14	NE	NW	31	18N	67E		
V00791	STR	40.00	SW	NW	31	18N	67E		
V01215	STR	PORT. 14	SW	NW	31	18N	67E		
V00791	STR	40.00	SE	NW	31	18N	67E		
V01215	STR	PORT. 14	SE	NW	31	18N	67E		
39818	UG	40.00	NW	NE	31	18N	67E		
V00791	STR	40.00	NW	NE	31	18N	67E		
39818	UG	40.00	NE	NE	31	18N	67E		
V00791	STR	40.00	NE	NE	31	18N	67E		
V00791	STR	40.00	SW	NE	31	18N	67E		
V00791	STR	40.00	SE	NE	31	18N	67E		
V00791	STR	40.00	NW	SW	31	18N	67E		
V01215	STR	PORT. 22	NW	SW	31	18N	67E		
V00791	STR	40.00	NE	SW	31	18N	67E		
V01215	STR	PORT. 22	NE	SW	31	18N	67E		
V00791	STR	40.00	SW	SW	31	18N	67E		
V01215	STR	PORT. 22	SW	SW	31	18N	67E		
V00791	STR	40.00	SE	SW	31	18N	67E		
V01215	STR	PORT. 22	SE	SW	31	18N	67E		
V00791	STR	40.00	NW	SE	31	18N	67E		
V00791	STR	40.00	NE	SE	31	18N	67E		
V00791	STR	40.00	SW	SE	31	18N	67E		
V00791	STR	40.00	SE	SE	31	18N	67E		
5923	STR	2.40	NE	NE	31	18N	68E	85.16	EIGHT MILE CREEK
56050	UG	PORT. 60	NE	NE	31	18N	68E	60.00	
V01648	STR	PORT. 4	NE	NE	31	18N	68E	75.00	EIGHT MILE CREEK
V01648	STR	PORT. 30	NE	NE	31	18N	68E		
V01648	STR	PORT. 15	NE	NE	31	18N	68E		
V01648	STR	PORT. 35	NE	NE	31	18N	68E		
5923	STR	7.40	NW	NE	31	18N	68E		
56050	UG	PORT. 60	NW	NE	31	18N	68E		
V01648	STR	PORT. 4	NW	NE	31	18N	68E		
V01648	STR	PORT. 30	NW	NE	31	18N	68E		
V01648	STR	PORT. 15	NW	NE	31	18N	68E		
V01648	STR	PORT. 35	NW	NE	31	18N	68E		
5923	STR	30.45	SW	NE	31	18N	68E		
56050	UG	PORT. 60	SW	NE	31	18N	68E		
V01648	STR	PORT. 4	SW	NE	31	18N	68E		
V01648	STR	PORT. 30	SW	NE	31	18N	68E		
V01648	STR	PORT. 15	SW	NE	31	18N	68E		
V01648	STR	PORT. 35	SW	NE	31	18N	68E		
5923	STR	13.15	SE	NE	31	18N	68E		
56050	UG	PORT. 60	SE	NE	31	18N	68E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 22 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
V01648	STR	PORT. 4	SE	NE	31	18N	68E		
V01648	STR	PORT. 30	SE	NE	31	18N	68E		
V01648	STR	PORT. 15	SE	NE	31	18N	68E		
V01648	STR	PORT. 35	SE	NE	31	18N	68E		
5923	STR	20.56	NW	SE	31	18N	68E		
56050	UG	PORT. 60	NW	SE	31	18N	68E		
V01648	STR	PORT. 30	NW	SE	31	18N	68E		
V01648	STR	PORT. 15	NW	SE	31	18N	68E		
V01648	STR	PORT. 35	NW	SE	31	18N	68E		
5923	STR	11.20	NE	SE	31	18N	68E		
56050	UG	PORT. 60	NE	SE	31	18N	68E		
V01648	STR	PORT. 30	NE	SE	31	18N	68E		
V01648	STR	PORT. 15	NE	SE	31	18N	68E		
V01648	STR	PORT. 35	NE	SE	31	18N	68E		
56050	UG	PORT. 60	SW	SE	31	18N	68E		
V01648	STR	PORT. 30	SW	SE	31	18N	68E		
V01648	STR	PORT. 15	SW	SE	31	18N	68E		
V01648	STR	PORT. 35	SW	SE	31	18N	68E		
56050	UG	PORT. 60	SE	SE	31	18N	68E		
V01648	STR	PORT. 30	SE	SE	31	18N	68E		
V01648	STR	PORT. 15	SE	SE	31	18N	68E		
V01648	STR	PORT. 35	SE	SE	31	18N	68E		
V00767	STR	30.00	NW	NE	34	18N	68E	30.00	EIGHT MILE DITCH
V02305	STR	36.60	SE	SE	11	19N	66E	146.20	KALAMAZOO CREEK
4041	STR	40.00	SE	SE	11	19N	66E	120.00	MEADOW AND NORTH CREEK
10766	STR	PORT. 78.14	SE	SE	11	19N	66E	403.39	PIERMONT CREEK
27378	UG	30.48	SE	SE	11	19N	66E	332.29	NTE 4.0 FEET
V02305	STR	19.30	SW	SE	11	19N	66E		
4041	STR	40.00	SW	SE	11	19N	66E		
10766	STR	PORT. 78.14	SW	SE	11	19N	66E		
27378	UG	40.00	SW	SE	11	19N	66E		
V02305	STR	27.80	NE	SE	11	19N	66E		
4042	STR	40.00	NE	SE	11	19N	66E	120.00	TRAIL & FANDANGO CREEKS
10766	STR	PORT. 79.15	NE	SE	11	19N	66E		
27378	UG	40.00	NE	SE	11	19N	66E		
V02305	STR	0.00	NW	SE	11	19N	66E		
10766	STR	PORT. 79.15	NW	SE	11	19N	66E		
27378	UG	40.00	NW	SE	11	19N	66E		
4043	STR	40.00	SE	NE	11	19N	66E	240.00	KALAMAZOO CREEK
10766	STR	36.77	SE	NE	11	19N	66E		
27378	UG	36.00	SE	NE	11	19N	66E		
4043	STR	40.00	NE	NE	11	19N	66E		
4043	STR	40.00	SW	NE	11	19N	66E		
10766	STR	40.00	SW	NE	11	19N	66E		
27378	UG	39.85	SW	NE	11	19N	66E		
4043	STR	40.00	NW	NE	11	19N	66E		
10766	STR	3.71	NW	NE	11	19N	66E		
27378	UG	3.49	NW	NE	11	19N	66E		
27378	UG	1.47	NE	SW	11	19N	66E		
27378	UG	0.73	SE	SW	11	19N	66E		
4042	STR	40.00	NW	SW	12	19N	66E		
10766	STR	39.15	NW	SW	12	19N	66E		
27378	UG	28.65	NW	SW	12	19N	66E		
V02305	STR	13.80	SW	SW	12	19N	66E		
4042	STR	40.00	SW	SW	12	19N	66E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 23 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
10766	STR	39.20	SW	SW	12	19N	66E		
27378	UG	2.20	SW	SW	12	19N	66E		
4043	STR	40.00	SW	NW	12	19N	66E		
10766	STR	31.60	SW	NW	12	19N	66E		
27378	UG	25.34	SW	NW	12	19N	66E		
4043	STR	40.00	NW	NW	12	19N	66E		
V02305	STR	25.30	NW	NE	14	19N	66E		
4041	STR	40.00	NW	NE	14	19N	66E		
10766	STR	26.97	NW	NE	14	19N	66E		
27378	UG	25.71	NW	NE	14	19N	66E		
V02305	STR	23.40	NE	NE	14	19N	66E		
10766	STR	28.70	NE	NE	14	19N	66E		
27378	UG	18.37	NE	NE	14	19N	66E		
56049	UG	PORT. 180	NE	NW	24	19N	66E	180.00	
56049	UG	PORT. 180	SE	NW	24	19N	66E		
56049	UG	PORT. 180	NE	SW	24	19N	66E		
56049	UG	PORT. 180	SE	SW	24	19N	66E		
56049	UG	PORT. 180	NW	SE	24	19N	66E		
56049	UG	PORT. 180	SW	SE	24	19N	66E		
V02805	STR	35.41	NW	SE	25	19N	66E	266.66	
V02805	STR	15.14	NE	SE	25	19N	66E		
V02805	STR	31.43	SW	SE	25	19N	66E		
20895	STR	16.75	SW	SE	25	19N	66E	138.58	PIERMONT CREEK
V02805	STR	31.44	SE	SE	25	19N	66E		
20895	STR	0.96	SE	SE	25	19N	66E		
56051	UG	PORT. 60	NW	SW	25	19N	66E	60.00	
56051	UG	PORT. 60	NE	SW	25	19N	66E		
56051	UG	PORT. 60	SW	SW	25	19N	66E		
56051	UG	PORT. 60	SE	SW	25	19N	66E		
56049	UG	PORT.180	NW	NE	25	19N	66E		
56049	UG	PORT. 180	NE	NE	25	19N	66E		
56049	UG	PORT.180	SW	NE	25	19N	66E		
56049	UG	PORT.180	SE	NE	25	19N	66E		
V02805	STR	31.03	NW	NW	25	19N	66E		
V02805	STR	38.06	NE	NW	25	19N	66E		
V02805	STR	40.00	SW	NW	25	19N	66E		
V02805	STR	36.90	SE	NW	25	19N	66E		
56051	UG	PORT. 60	NE	SE	26	19N	66E		
56051	UG	PORT. 60	SE	SE	26	19N	66E		
V02805	STR	8.94	NE	NE	26	19N	66E		
V02805	STR	5.79	SE	NE	26	19N	66E		
V01219	STR	470.01			36	19N	66E	470.01	BASSETT CREEK
20895	STR	10.83	NE	NE	36	19N	66E		
20895	STR	3.29	SE	NE	36	19N	66E		
20895	STR	15.98	NW	NE	36	19N	66E		
56049	UG	PORT. 180	SW	NW	30	19N	67E		
10843	STR	2.56	NW	SW	31	19N	67E	31.14	BASSETT CREEK SLOUGH
10843	STR	2.08	NE	SW	31	19N	67E		
10843	STR	10.67	SW	SW	31	19N	67E		
10843	STR	15.83	SE	SW	31	19N	67E		
20895	STR	24.10	NW	NW	31	19N	67E		

Summary of Groundwater Water-Rights and Current Water Uses in Spring Valley

**Table A-3
Spring Valley Irrigation Rights - Aliquot Part
(Page 24 of 25)**

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
20895	STR	31.92	SW	NW	31	19N	67E		
20895	STR	34.75	SE	NW	31	19N	67E		
71840	UG	40.00	SE	SE	13	20N	66E	280.00	CHANGE OF 39816
19435	RES	38.20	SE	SE	13	20N	66E	68.90	MUNCY CREEK
19436	RES	38.20	SE	SE	13	20N	66E	68.90	SPANISH VALLEY WASH
V01969	STR	PORT. 3	NW	SE	15	20N	66E	100.00	MUNCY CREEK
V01969	STR	PORT. 3	NE	SE	15	20N	66E		
V01969	STR	PORT. 3	SW	SE	15	20N	66E		
V01969	STR	PORT. 3	SE	SE	15	20N	66E		
V02286	STR	PORT. 10	SE	NW	16	20N	66E	19.67	MUNCY CREEK
V02286	STR	PORT. 10	SW	NE	16	20N	66E		
V02286	STR	8.06	SW	NE	16	20N	66E		
V02286	STR	1.60	NW	NE	16	20N	66E		
5247	STR	40.00	NW	NE	22	20N	66E	200.00	MUNCY CREEK
5247	STR	40.00	NE	NE	22	20N	66E		
V01969	STR	40.00	NE	NE	22	20N	66E		
5247	STR	40.00	SW	NE	22	20N	66E		
5247	STR	40.00	SE	NE	22	20N	66E		
V01969	STR	40.00	SE	NE	22	20N	66E		
V01969	STR	40.00	NE	SE	22	20N	66E		
V01969	STR	PORT. 29	NW	SE	22	20N	66E		
V01969	STR	PORT. 1.5	NW	SE	22	20N	66E		
V02332	STR	0.70	NW	SE	22	20N	66E		
V01969	STR	PORT. 29	NE	SE	22	20N	66E		
V01969	STR	PORT. 1.5	NE	SE	22	20N	66E		
V01969	STR	PORT. 29	SW	SE	22	20N	66E		
V01969	STR	PORT. 1.5	SW	SE	22	20N	66E		
V02332	STR	39.28	SW	SE	22	20N	66E		
V01969	STR	PORT. 29	SE	SE	22	20N	66E		
V01969	STR	PORT. 1.5	SE	SE	22	20N	66E		
V02332	STR	28.26	SE	SE	22	20N	66E		
V02332	STR	6.13	SE	SW	22	20N	66E		
V01969	STR	PORT. 23	NW	SW	23	20N	66E		
V01969	STR	PORT. 24	NW	SW	23	20N	66E		
V01969	STR	PORT. 1.5	NW	SW	23	20N	66E		
V01969	STR	PORT. 22	NW	SW	23	20N	66E		
V01969	STR	PORT. 23	NE	SW	23	20N	66E		
V01969	STR	PORT. 24	NE	SW	23	20N	66E		
V01969	STR	PORT. 1.5	NE	SW	23	20N	66E		
V01969	STR	PORT. 22	NE	SW	23	20N	66E		
V01969	STR	PORT. 23	SW	SW	23	20N	66E		
V01969	STR	PORT. 24	SW	SW	23	20N	66E		
V01969	STR	PORT. 1.5	SW	SW	23	20N	66E		
V01969	STR	PORT. 22	SW	SW	23	20N	66E		
V01969	STR	PORT. 23	SE	SW	23	20N	66E		
V01969	STR	PORT. 24	SE	SW	23	20N	66E		
V01969	STR	PORT. 1.5	SE	SW	23	20N	66E		
V01969	STR	PORT. 22	SE	SW	23	20N	66E		
71840	UG	40.00	NE	SE	24	20N	66E		
71840	UG	40.00	NE	NE	24	20N	66E		
19435	RES	23.30	NE	NE	24	20N	66E		
19436	RES	23.30	NE	NE	24	20N	66E		



Table A-3
Spring Valley Irrigation Rights - Aliquot Part
 (Page 25 of 25)

APP/PER/PROOF	SOURCE	ACRES	QTR	QTR	SEC	TWN	RNG	TOTAL ACRES IRR. BY RIGHT (Assumed 4 ft per acre if only total duty available)	Comments
71840	UG	40.00	SE	NE	24	20N	66E		
19435	RES	0.90	SE	NE	24	20N	66E		
19436	RES	0.90	SE	NE	24	20N	66E		
V01969	STR	PORT. 18	NW	NE	27	20N	66E		
V01969	STR	PORT. 3	NW	NE	27	20N	66E		
V02332	STR	10.10	NW	NE	27	20N	66E		
V01969	STR	PORT. 18	NE	NE	27	20N	66E		
V01969	STR	PORT. 3	NE	NE	27	20N	66E		
V01969	STR	PORT. 18	SW	NE	27	20N	66E		
V01969	STR	PORT. 3	SW	NE	27	20N	66E		
V01969	STR	PORT. 18	SE	NE	27	20N	66E		
V01969	STR	PORT. 3	SE	NE	27	20N	66E		
V02332	STR	1.79	NE	NW	27	20N	66E		
71840	UG	40.00	NW	NW	19	20N	67E		
19435	RES	6.10	NW	NW	19	20N	67E		
19436	RES	6.10	NW	NW	19	20N	67E		
71840	UG	40.00	SW	NW	19	20N	67E		
19435	RES	0.40	SW	NW	19	20N	67E		
19436	RES	0.40	SW	NW	19	20N	67E		
71840	UG	40.00	NW	SW	19	20N	67E		
71840	UG	40.00	NE	SW	19	20N	67E		
6360	SPR	40.00	NW	NW	5	20N	69E	160.00	VAN EMON SPRINGS
6360	SPR	40.00	SW	NW	5	20N	69E		
6360	SPR	40.00	NW	SW	5	20N	69E		
6360	SPR	40.00	SW	SW	5	20N	69E		
V01686	STR	13.90	NE	NE	1	21N	65E	44.90	SIEGEL CREEK
V01686	STR	6.40	NW	NE	1	21N	65E		
3433	STR	8.20	NE	NW	4	21N	66E	72.60	SIEGEL CREEK
3433	STR	0.50	NE	NW	4	21N	66E		
3433	STR	9.65	SE	NW	4	21N	66E		
3433	STR	3.40	SE	NW	4	21N	66E		
3433	STR	20.30	SW	NE	4	21N	66E		
3433	STR	6.35	SW	NE	4	21N	66E		
3433	STR	24.20	NW	SE	4	21N	66E		
V01686	STR	7.80	NE	NW	6	21N	66E		
V01686	STR	16.80	NW	NW	6	21N	66E		
4951	STR	2.66	SW	SW	28	21N	66E	8.36	NEGRO ABE CREEK
4951	STR	5.70	SW	SW	28	21N	66E		
1520	STR	8.00	SW	SW	32	21N	66E	8.00	FRENCHMAN CANYON

Table A-4
Spring Valley Irrigation Place of Use Summary Table - Underground Sources

APP/PER/PROOF	CERT	SUP	SOURCE	SEC	TWN	RNG	DUTY FEET	TOTAL ACRES IRR. BY RIGHT	UG-TOTAL DUTY AF/YR	PORTION SUP. UG	PORTION DIRECT UG	Comments
18524	6138		UG	26	12N	67E	4.00	5.28	21.15	0.00	21.15	NON-SUP
18525	6992		UG	24	12N	67E	4.00	14.46	57.84	0.00	57.84	NON-SUP
18827	7567		UG	13	12N	67E	4.00	448.00	1,088.67	544.33	544.34	PORTION SUP TO WILLIAMS CREEK AND DRY CREEK, MAX SUP = 638.84, MIN SUP = 450.84 AFS
19654	6449		UG	31	13N	67E	4.00	143.96	575.83	0.00	575.83	NON-SUP
20817	6777		UG	21	13N	67E	4.00	160.00	640.00	0.00	640.00	NON-SUP
22645	8112		UG	12	12N	67E	4.00	15.00	60.00	0.00	60.00	NON-SUP
25439	9213		UG	27	13N	67E	4.00	60.00	240.00	0.00	240.00	NON-SUP
25679	9295	Y	UG	13	12N	67E	4.00	157.56	630.24	630.24	0.00	SUP TO LINCOLN CREEK 25678
25680	9296	Y	UG	13	12N	67E	4.00	157.56	630.24	630.24	0.00	SUP TO LINCOLN CREEK 25678
26228	8363		UG	16	13N	67E	4.00	59.75	239.00	0.00	239.00	TOTAL COMBINED DUTY = 2759.76 AFA
26229	8364		UG	15	13N	67E	4.00	39.42	157.68	0.00	157.68	NON-SUP
26502	9300	?	UG	22	13N	67E	4.00	18.37	73.48	0.00	73.48	NON-SUP
26546	8365	Y	UG	15	13N	67E	4.00	39.42	157.68	157.68	0.00	COMBINED DUTY WITH 26299
26962	8366	Y	UG	16	13N	67E	4.00	59.75	239.00	239.00	0.00	TOTAL COMBINED DUTY = 2759.76 AFA
26963	8367	Y	UG	16	13N	67E	4.00	59.75	239.00	239.00	0.00	TOTAL COMBINED DUTY = 2759.76 AFA
27378	8357	Y	UG	11	19N	66E	4.00	332.29	1,266.64	1,257.84	8.80	SUP TO KALAMAZOO, MEADOW, NORTH AND PIERMONT CREEKS
28653	10020		UG	34	13N	67E	4.00	0.30	1.20	0.00	1.20	NON-SUP
29219	8875		UG	26	13N	67E	4.00	390.28	1,561.12	0.00	1,561.12	NON-SUP
29220	8876	Y	UG	26	13N	67E	4.00	390.28	1,367.97	1,367.97	0.00	COMBINED DUTY WITH 29219 AND 29221
29221	8877	Y	UG	26	13N	67E	4.00	390.28	1,049.76	1,049.76	0.00	COMBINED DUTY WITH 29219 AND 29220
30319	10725	Y	UG	24	12N	67E	4.00	211.70	730.73	223.48	507.25	PORTION SUP TO LINCOLN CREEK, AND 18525, 18827
34727	11889	Y	UG	15	13N	67E	4.00	201.20	804.78	804.78	0.00	TOTAL COMBINED DUTY = 2759.76 AFA
38972	11632	Y	UG	35	13N	67E	4.00	192.12	768.48	768.48	0.00	SUP TO SPRING, PINE, RIDGE & RAISED CREEKS & CABIN, HUB BASIN, AND CORRAL SPRINGS
39817	N/A	Y	UG	18	18N	67E	4.00	300.00	1,200.00	1,200.00	0.00	COMBINED WITH 39816
39818	N/A	Y	UG	24	18N	66E	4.00	860.00	3,440.00	2,160.00	1,280.00	PORTION SUP TO GARDEN, GORDON, MCCOY AND ODGERS CREEKS
45287	11017	Y	UG	12	12N	67E	4.00	78.20	312.80	52.80	260.00	PORTION SUP TO 22645
56049	N/A	Y	UG	24	19N	66E	4.00	180.00	720.00	0.00	720.00	NON-SUP
56050	N/A	Y	UG	31	18N	68E	4.00	60.00	240.00	240.00	0.00	SUP TO EIGHT MILE CREEK
56051	N/A	Y	UG	25	19N	66E	4.00	60.00	240.00	0.00	240.00	NON-SUP
63531	N/A	Y	UG	13	12N	67E	4.00	448.00	1,088.67	544.33	544.34	SUP TO WILLIAMS AND DRY CREEKS, AND 18827 AND 30319
67886	N/A	Y	UG	13	12N	67E	4.00	448.00	1,088.67	1,088.67	0.00	SUP TO WILLIAMS AND DRY CREEKS, AND 18827, 30319, 63531
67887	N/A	Y	UG	13	12N	67E	4.00	448.00	1,088.67	1,088.67	0.00	TOTAL COMBINED DUTY = 1088.667 AFS, DUTY = 544.33 AFS
69316	N/A	Y	UG	15	13N	67E	4.00	270.00	1,080.00	408.95	671.05	COMBINED DUTY NTE 3,430.81 AFA (NON-SUP = 671.05 AFA)
71840	N/A	Y	UG	13	20N	66E	4.00	280.00	1,120.00	275.60	844.40	ABROGATED 39816, PREVIOUSLY MOSTLY SUP TO N. GARDEN CRK, NOW MOSTLY DIRECT
TOTALS									24,219.29	14,971.82	9,247.47	
Non-Cert.											4,299.78	



This Page Intentionally Left Blank