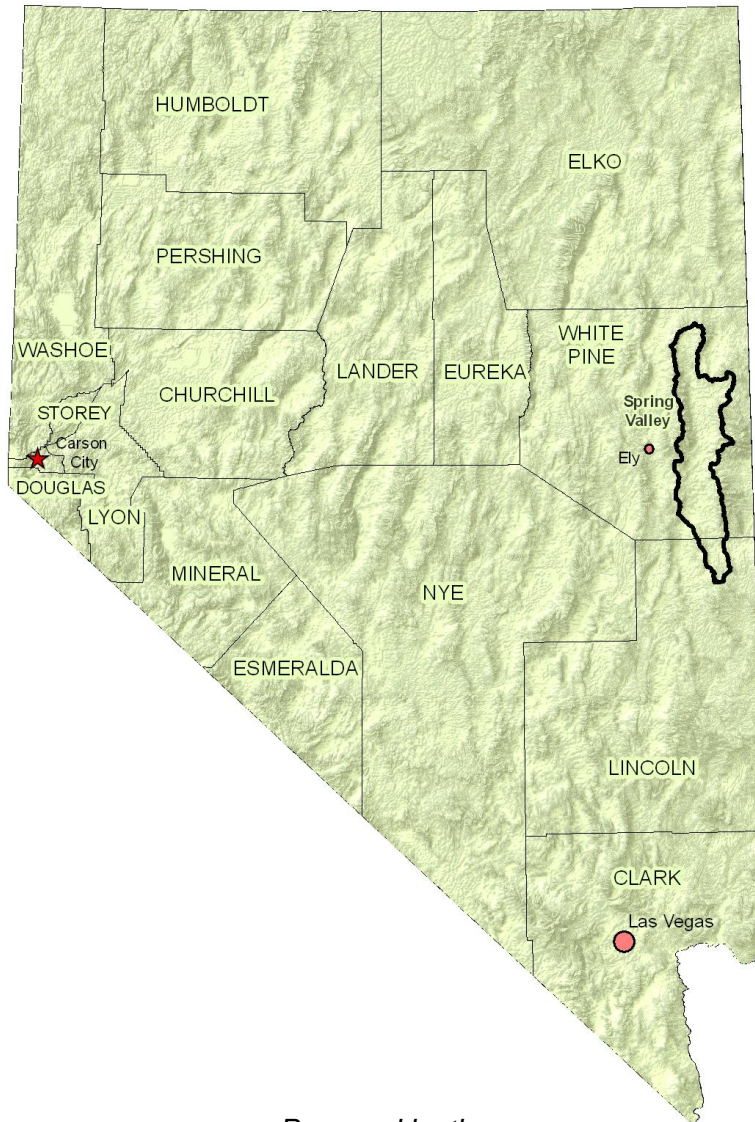


# Spring Valley

## Hydrographic Basin 10-184

### NRS § 533.364 Inventory



*Prepared by the*  
Nevada Division of Water Resources  
Jason King, P.E.  
State Engineer

August 2011

## TABLE OF CONTENTS

SUMMARY .....	1
Table 1. Surface water and groundwater appropriated in Spring Valley.....	1
INVENTORY .....	2
Existing Appropriations: NRS § 533.364(1)(a) .....	2
Water Available for Appropriation: NRS § 533.364(1)(b) .....	2
Owners of Record: NRS § 533.364(1)(c) .....	4
LIMITATIONS .....	5
WORKS CITED.....	6

## APPENDICES

### APPENDIX A – Commitment and Availability Tables

    Table A1 - Groundwater Commitments

    Table A2 - Spring Supply and Availability

    Table A3 - Stream Supply and Availability

### APPENDIX B – List of Water Rights and Owners of Record

### APPENDIX C – Surface Water Measurements and Estimates

    Table C1 - Streamflow Measurements and Methods

        Used to Estimate Average Annual Discharge

    Table C2 - Spring Measurements and Methods Used to  
        Estimate Average Annual Discharge

## SUMMARY

Nevada Revised Statute (NRS) § 533.364 requires that before approving an application for an interbasin transfer of more than 250 acre-feet of groundwater from a basin, an inventory of the source basin must be conducted. This report meets the specific requirements of NRS § 533.364 for Spring Valley, being the inclusion of (a) the total amount of surface water and groundwater appropriated in accordance with a decreed, certificated or permitted right; (b) an estimate of the amount and location of all surface water and groundwater that is available for appropriation; and (c) the name of each owner of record set forth in the records of the Office of the State Engineer for each decreed, certificated or permitted right.

NRS § 533.364(1)(a): The total amount of surface water appropriated with a decreed, certificated or permitted right is 55,517.62 acre-feet annually (AFA). The total amount of groundwater appropriated with a decreed, certificated or permitted right is 21,681.83 AFA (see Table 1).

**Table 1. Surface water and groundwater appropriated in Spring Valley (AFA)**

Source	Status					Total	
	Permit	Certificate	Decreed	Vested	Reserved	w/o Vested or Reserved	w/ Vested or Reserved
<b>Surface Water</b>							
Lake	-	1,120.00	-	-	-	1,120.00	1,120.00
Other Surface Water	-	5.92	-	10.00	-	5.92	15.92
Reservoir	-	79.00	-	-	-	79.00	79.00
Spring	1,124.30	3,898.62	1.50	117,807.91	462.21	5,024.42	123,294.54
Stream	1,962.56	42,589.23	4,736.49	52,401.92	-	49,288.28	101,690.20
<b>Total</b>	<b>3,086.86</b>	<b>47,692.77</b>	<b>4,737.99</b>	<b>170,219.83</b>	<b>462.21</b>	<b>55,517.62</b>	<b>226,199.66</b>
<b>Groundwater</b>							
Other Groundwater	-	5.06	-	-	-	5.06	5.06
Underground	11,653.67	10,023.10	-	-	-	21,676.77	21,676.77
<b>Total</b>	<b>11,653.67</b>	<b>10,028.16</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21,681.83</b>	<b>21,681.83</b>

NRS § 533.364(1)(b): The estimated amount and location of all surface water and groundwater that is available for appropriation in the basin is listed in the tables of Appendix A. In summary, the amount of groundwater available is estimated to be 65,797 AFA. The amount of water available from spring sources is estimated to be 8,750 - 10,900 AFA. The amount of water available from stream sources is estimated to be 9,550 AFA. The amount of water available from other surface water sources is estimated to be 140 AFA.

NRS § 533.364(1)(c): The name of each owner of record set forth in the records of the Office of the State Engineer for each decreed, certificated or permitted right in the basin is listed in the table of Appendix B.

## INVENTORY

The Spring Valley Hydrographic Basin (10-184) has been inventoried pursuant to the requirements of NRS § 533.364. The information in this report is limited to the data and records available to the State Engineer at the time of conducting the inventory. It is possible that vested rights exist for which no filing with the Office of the State Engineer has been made. NRS § 533.364(2) provides that the State Engineer is not required to make a determination of rights or conduct an adjudication. With respect to claims of pre-statutory vested water rights, the information provided in the claims is taken at face value for the purpose of this inventory.

### **Existing Appropriations: NRS § 533.364(1)(a)**

The total amount of surface water and groundwater appropriated in accordance with a decreed, certificated or permitted right is summarized in Table 1. The table in Appendix B lists all decreed, certificated and permitted rights, all claims of vested water rights and public water reserves filed with the Office of the State Engineer, and it is the source data for the summary presented in Table 1. Although not a requirement under the statute, a review of claims of vested water rights and public water reserves are included since this information is needed to perform the estimates of surface water and groundwater availability.

For the purposes of estimating the commitments of water in the basin, it is necessary at times to use a duty value in terms of acre-feet annually or acre-feet per season even though the water right may be in terms only of diversion rate or number of animals watered. In such cases, a value is determined based upon use as described in the application, permit or claim and entered into the Nevada Division of Water Resources' Water Rights database and the tables of this report. This may not necessarily be the actual limit of the right. Beneficial use of the water shall be the basis, measure and limit of the water right, as provided in NRS § 533.035. Therefore, the actual duty for such a right may be less than the value quantified for purposes of basin management and this inventory.

### **Water Available for Appropriation: NRS § 533.364(1)(b)**

The estimate of the amount and location of all surface water and groundwater that is available for appropriation in the basin is listed in the tables of Appendix A.

### ***Estimate of Groundwater Availability***

The location of the groundwater source is the basin. The availability of groundwater from the source is the difference between the perennial yield of the basin and the groundwater commitments. The groundwater commitments summarized in Table A1 are explained as follows:

Only the consumptive use portion of the irrigation water rights is considered committed. The January 2010 report *Evapotranspiration and Net Irrigation Water Requirements for Nevada* (Huntington, 2010) estimated that in Spring Valley the net irrigation water requirement (NIWR) for alfalfa and highly managed pasture grass crops is 3 acre-feet per acre.

The supplemental nature of an irrigation water right must also be considered. When groundwater from a specific well, or point of diversion, is used as the sole source for a place of use, it is commonly referred to as a “stand-alone” right. When used in combination with surface water (and in some instances with groundwater from another point of diversion), the right is considered “supplemental”; meaning the groundwater right supplements, or is supplemented by, water from another source used on the same place of use. When a groundwater right is issued as supplemental to a surface water source, it is expected that the groundwater permit will not be utilized until the surface water becomes unavailable, and then only to make up the difference between the surface water available and the right allowed. Thus, it is expected that a supplemental groundwater right will not be used to its full allocation. Commitment of supplemental groundwater rights in Spring Valley is estimated at 50% of the consumptive use amount.

Finally, domestic wells also draw groundwater from the basin. There are 20 identified domestic wells in the Spring Valley Basin.<sup>1</sup> Domestic wells are allowed to use up to 2 AFA. For inventory purposes, domestic wells in rural areas have been shown to pump approximately 1 AFA on average; therefore, the domestic well commitment for the Spring Valley basin is estimated as 20 AFA.

Subtracting the total groundwater commitment of 14,203 AFA (see Table A1) from the perennial yield of 80,000 AFA<sup>2</sup> equates to an estimated 65,797 AFA available for appropriation.

### ***Estimate of Surface Water Availability***

The location of a surface water source is identified in this report by the common name of the source, latitude and longitude and/or public land survey system (PLSS). In the case of streams, the presented legal subdivision is based upon the location where measurements of the stream flow were taken or the point(s) of diversion for water rights on the stream. These locations are listed as parts of Tables A2 and A3. The data for these sources are provided in the tables of Appendix C.

The supply of water from a surface source is an estimate of the average annual discharge. The water available for appropriation from a particular source is the supply less the amount of water appropriated on that source. Tables A2, A3 and Appendix B list the sources and identify the water rights committed on those sources. Surface water estimates are based on any available data gathered by or submitted to the Office of the State Engineer for any identified significant surface water source. Depending on the source, the data available may range from a few measurements to an extensive record of data collected over many years. Depending on the method used, an estimate may be a range of values.

In some cases, the source has been identified as being completely appropriated, either by decree or ruling issued by the State Engineer.

---

<sup>1</sup> Well Log Database Query, July 19, 2011, official records in the Office of the State Engineer

<sup>2</sup> State Engineer’s Ruling No. 5726, dated April 16, 2007, official records in the Office of the State Engineer

## *Springs*

This report estimates the amount of water available for appropriation for each spring in the basin. A variety of methods were used to arrive at an annual discharge value for each spring. These include averaging direct measurements of discharge, estimating evapotranspiration (ET) for a source using the methods and data detailed by Bright, Knochenmus and Welch, Editors, 2007 (Figure 30, p.58), and assigning a range of possible discharge values to those springs for which no direct measurements are available and ET analysis is not appropriate. This range of discharge values results from averaging measured discharge from similarly located springs. To determine availability of water for appropriation, the sum of the annual duties of the active permits, certificates, decreed water rights, and claims of vested and reserved water rights on the subject source is subtracted from the average annual discharge. For springs, as a group, the amount of water available for appropriation is between 8,753 and 10,898 AFA. The method used to estimate annual discharge and water availability by individual spring are among the data listed in Table A2.

## *Perennial Streams*

This report estimates the amount of water available for appropriation from each stream for which data are available. In order to determine the amount of water available, it is necessary to estimate the average annual discharge of each source. The method described by Moore (1968, p. 35) was utilized to determine the average annual stream flow for the majority of the perennial streams in the basin. To determine availability of water for appropriation, the sum of the annual duties of the active permits, certificates, decreed water rights and claims of vested water rights on the subject stream is subtracted from the average annual discharge. For streams, as a group, the amount of water available for appropriation is estimated to be 9,554 AFA. Water availability by individual stream is listed in Table A3.

## **Owners of Record: NRS § 533.364(1)(c)**

The name of each owner of record set forth in the records of the Office of the State Engineer for each decreed, certificated or permitted right is listed in Appendix B. When a *Report of Conveyance* is on file with this office to update ownership, but has not yet been confirmed in a review by the Office of the State Engineer, that fact is indicated in the notes column.

## LIMITATIONS

NRS § 533.364(1)(a) directs the State Engineer to identify the “total amount of surface water and groundwater appropriated in accordance with a decreed, certified or permitted right.” Though claims of vested water rights are specifically excluded from the provisions of 533.364(1)(a), they have been included in this inventory in order to make an analysis of the availability as required by NRS § 533.364(1)(b). Note that only those claims of vested water rights that have been filed with the State Engineer can be considered in this inventory; it is possible that vested rights exist for which no filing has been made.

NRS § 533.364(1)(b) requires an “estimate of the amount and location of all surface water and groundwater available for appropriation in the basin.” In order to estimate the amount of surface water available, it is necessary to estimate the average annual discharge of the source.

Due to the limited nature of the data used to arrive at the discharge estimate, no guarantee can be made of the accuracy of the estimate and any application filed to appropriate any of the public waters of the State of Nevada will be evaluated as prescribed in Chapters 533 and 534 of the Nevada Revised Statutes.

NRS § 533.364(1)(c) requires that “the name of each owner of record set forth in the records of the Office of the State Engineer for each decreed, certificated or permitted right in the basin” be included in the inventory. Because claims of vested water rights have been included in this report for the purposes described above, they have also been included in this component of the inventory. The owners of record listed in this report are those persons that are currently identified as such by documents filed with and confirmed by the State Engineer in accordance with NRS §§ 533.384 through 533.386.

NRS § 533.364(2)(a) states the State Engineer is not required to quantify any claims of vested water rights within the basin. This report is not an adjudication of any water source, nor a quantification of any claim of vested water right. The values utilized in this report for claims of vested water rights are in no way an acknowledgment by this office of the validity of the claim and that the water so claimed has actually been put to beneficial use. The amount of water associated with each claim of vested water right is obtained from the documents filed with the State Engineer and is taken at face value.

NRS § 533.035 provides that “beneficial use shall be the basis, the measure and the limit of the right to the use of the water.” Availability of unappropriated water at the source is not the only criterion for approval or denial of an application. NRS Chapters 533 and 534 establish the criteria for approval or denial of an application before the State Engineer, including availability of water at the source. Evidence of availability of water from a specific source for a specific application before the State Engineer is required at the time of application; this inventory is limited to estimates of availability for the timeframe of the inventory.

## WORKS CITED

- Huntington, J. L., Allen, R. G., 2010, *Evapotranspiration and Net Irrigation Water Requirements for Nevada*. State of Nevada, Department of Conservation and Natural Resources, Division of Water Resources.
- Bright, D. J., Knochenmus, L. A., and Welch, A. H., Editors, 2007, *Water Resources of the Basin and Range carbonate-Rock Aquifer System, White Pine County, Nevada, and Adjacent Areas in Nevada and Utah: U.S. Geological Survey Scientific Investigations Report 2007-5261*, 96 p., 4 pls.
- Moore, D. O., 1968, *Estimating Mean Runoff in Ungaged Semiarid Areas: U.S. Geological Survey Water Resources Bulletin No. 36*, 39 p.



## **APPENDIX A – COMMITMENT AND AVAILABILITY TABLES**

### **Contents**

<b>Explanation of Column Headings and Abbreviations</b>	<b>A-1</b>
<b>Table A1 - Groundwater Commitments</b>	<b>A-3</b>
<b>Table A2 - Springs Supply and Availability</b>	<b>A-4</b>
<b>Table A3 - Streams Supply and Availability</b>	<b>A-93</b>

## Explanation of Column Headings and Abbreviations for Tables

USGS Site ID	The identification number for the location as issued by the U.S. Geological Survey.
Stream/Spring	The common name for the stream or spring as described in the Permit, Name Certificate or Claim.
APP	The file number of the Permit, Claim of Vested Right or Public Water Reserve.
Status	This is the status of the water right.  CER A certificated right. The standard "CER" abbreviation is replaced with the certificate number in some tables. DEC A claim of vested right that has been adjudicated and is part of a decree. PER A permit that has not been certificated. RES A public water reserve. VST A claim of vested right not yet adjudicated. ### The serial number of a certificate. See "CER" above.
Manner of Use	The manner of use of the water as described in the Permit, Certificate, Claim of Vested Right, or Public Water Reserve.
QQ	The quarter-quarter of the section in which the point of diversion or source is located.
Q	The quarter of the section in which the point of diversion or source is located.
S	The section in which the point of diversion or source is located.
T	The township in which the point of diversion or source is located.
R	The range in which the point of diversion or source is located.
Existing Active Water Rights	The permitted or claimed diversion rate, expressed in cubic feet per second, c.f.s. and annual or seasonal duty expressed in acre-feet.
Estimated Average Annual Streamflow/ Discharge	The estimated discharge expressed in cubic feet per second and acre-feet annually.
Estimated Amount of Water Available	The estimate of water availability by source derived by subtracting the sum of the duties of existing water rights from the estimated annual discharge, expressed in acre-feet annually.

## Explanation of Column Headings, continued

Method Used to Estimate Average Annual Discharge/ Streamflow	The method or source used to determine annual discharge by source.
Notes	Pertinent information regarding any of the fields included in the record.
Latitude/Longitude	Location coordinates for each listed site expressed latitude and longitude in decimal degree format using the North American Datum of 1983.
NDWR	Nevada Division of Water Resources
SNWA	Southern Nevada Water Authority
USGS	U.S. Geological Survey
NHD	U.S. Geological Survey National Hydrography Dataset
PBU	Proof of Beneficial Use
POD	Point of Diversion

## Appendix A

### Table A1 – Groundwater Commitments

Type of Commitment	Duty (AFA)	Consumptive Use (AFA)	Effective Duty (AFA)
Irrigation Water Rights, Stand Alone	10,957	8,551	8,551
Irrigation Water Rights, Supplemental	8,823	7,463	@ 50% 3,731
Non-Irrigation Water Rights	1,901		1,901
Domestic Well Use	20		20
<b>Total</b>	<b>21,702</b>	<b>16,013</b>	<b>14,207</b>

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Bacon Spring	1922	CER	STK			0.20	60.00						
	Bacon Spring	12571	CER	IRR			0.33	65.00						
	Bacon Spring				39.15291	-114.34510	0.53	125.00	0.33	238.91	Proofs of Beneficial Use	113.91	Discharge estimate is from the PBU filed for Permit 12571. Location generalized to middle of seeps. Field investigation July 1959 - discharge impossible to measure because not confined to any one channel.	
	Basin Spring	1900	CER	STK			0.03	1.53						
	Basin Spring	6074	CER	STK			0.02	8.96						
	Basin Spring				39.36415	-114.30163	0.04	10.49	0.03	21.72	Proof of Beneficial Use	0.00	Estimated discharge of springs at 0.03 cfs from Proof of Beneficial Use. All water appropriated.	
	Basin Spring	V01783	VST	STK			0.20	7.24	0.20	7.24	Proof filing	0.00	Spring located at crest of the Schell Creek Range, drains to Steptoe Valley.	
	Basin Spring	V03562	VST	STK			0.02	0.55				Unknown	Cannot verify location of spring.	
	Basin Springs	7700	CER	STK	38.88142	-114.61721	0.02	11.82	0.02	11.82	Certificate of Appropriation	0.00		
	Bastian Spring				39.15328	-114.56667			0.33	238.91	Single Measurement	0.00	See Bastian Creek in Table A4	6,644

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Bennet Spring	V01669	VST	STK	38.92493	-114.64372	0.03	7.49	0.03	7.49	Proof filing	0.00	NHD dataset coordinates	
	Blind Spring				38.80231	-114.41226						Unknown	Spring is a pool, no measureable discharge channel. SNWA measurements are gage heights. NHD dataset coordinates.	
	Murphy Springs	V02817	VST	IRR			10.00	9600.00						
	Big Reservoir Spring No 1	V02818	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 2	V02819	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 3	V02820	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 4	V02821	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 5	V02822	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 6	V02823	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 7	V02824	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 8	V02825	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 9	V02826	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 10	V02827	VST	IRR			10.00	9600.00			ET Anlysis			
	Big Reservoir Spring No 11	V02828	VST	IRR			10.00	9600.00			ET Anlysis			

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
Big Reservoir Springs Total								9600.00		5006.00	ET Anlysis	0.00	Complex of springs are located on the Cleveland Ranch. Springs combined for use on a place of use of 2500 acres.	
	Bradshaw Spring	10510	CER	STK	38.44273	-114.30318	0.02	9.91	0.00	3.26	Proof filing	0.00	As detailed in the Proof of Beneficial Use, discharge measured several times between 2/25/1940 and 9/10/1940. Discharge is 2 gallons per minute.	
	Brown Water Spring				38.41972	-114.35155			0.01	7.24	Single Measurement	7.24	Location description is for measurement site.	
	Cache Spring	21832	CER	STK	39.17265	-114.37029	0.00	0.68	0.00	2.17	Proof of Beneficial Use	1.49	Proof of Beneficial Use states normal discharge for Cache Spring is 0.003 cfs. Same source as R05286?	
	Cain Spring				39.54225	-114.22428			0.00	0.72	Single Measurement	0.72		6,970
	Cedar Springs	2745	CER	IRR	39.29852	-114.47614	0.20	80.00	0.10	72.40	Single Measurement	0.00	Proof of Beneficial Use states all water from spring is used by the Permittee.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Chokeberry Spring, AKA Chokecherry Spring	3793	CER	IRR	39.24539	-114.31260	0.10	50.00	0.20	144.80	Single Measurement	0.00	Unnumbered Ruling regarding Application 10852 states there is no unappropriated water. Proof of Beneficial Use for Permit 3793 states that normal discharge from spring is 0.20 cfs.	
	Cleveland Ranch Spring North				39.22945	-114.46694			0.05	32.58	Average of Multiple Measurements	32.58		5,628
	Cleveland Ranch Spring South				39.21444	-114.45722			0.13	90.50	Average of Multiple Measurements	90.50		5,618
	Cleve Spring No. 1	V03559	VST	STK			0.02	2.27				Unknown	Spring located in upper watershed of Cleve Creek. Cannot verify location of spring.	
	Cleve Spring No. 2	V03543	VST	STK			0.02	2.27				Unknown	Spring located in upper watershed of Cleve Creek. Cannot verify location of spring.	
	Cleve Spring No. 3	V03558	VST	STK	39.29182	-114.61511	0.02	2.27				Unknown	Spring located in upper watershed of Cleve Creek. NHD dataset coordinates.	



Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Cleve Spring No. 5	V03557	VST	STK	39.29124	-114.61538	0.02	2.27	0.02	2.27	Proof filing	0.00	Spring located in upper watershed of Cleve Creek. NHD dataset coordinates.	
	Cleve Spring No. 6	V03556	VST	STK	39.28654	-114.61490	0.02	2.03	0.02	2.03	Proof filing	0.00	Spring located in upper watershed of Cleve Creek. NHD dataset coordinates.	
	Cold and Ohio Springs	2108	CER	STK			0.03	2.98					Cold and Ohio Springs	
	Ohio Spring	2486	CER	MM	39.04718	-114.36912	-	144.79					Ohio Spring. NHD dataset coordinates.	
	Cold Spring	2710	CER	MM	39.05154	-114.37736	-	144.79					Cold Spring. NHD dataset coordinates.	
	Cold and Ohio Springs						0.03	292.56		292.56	Ruling 3768	0.00	Unnumbered Ruling regarding Application 3768 states source is fully appropriated by prior rights.	
	Cold Spring	V01781	VST	STK	39.87314	-114.66139	0.20	10.74	0.20	10.74	Proof filing	0.00		
	Connors Spring	V01637	VST	STK	38.98795	-114.64858	0.10	4.48	0.10	4.48	Proof filing	0.00	NHD dataset coordinates	
	Corral Spring and Tributaries	V02852	VST	IRR	38.95828	-114.40639	-	574.40		16.13	ET Analysis	0.00	Ruling 4518 states insufficient flows (Dry or very low flows).	
	Cottonwood Spring(s)	1901	CER	STK			0.03	1.53						
	Cottonwood Spring(s)	6075	CER	STK			0.02	9.73						

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Cottonwood Spring(s)				38.61243	-114.44892	0.04	11.26	0.03	11.26	Proof of Beneficial Use	0.00	Estimated discharge of springs at 0.03 cfs from Proof of Beneficial Use for Permit 6075. Coordinates from the Application map.	
	Crystal Spring	V01634	VST	STK	39.79192	-114.62053	0.05	3.87	0.05	3.87	Proof filing	0.00		
	Dead Sheep Spring	R05269	RES	OTH	39.13974	-114.49799	0.01	3.59	0.04	28.96	Average of Multiple Measurements	0.00	AKA Four Wheel Drive Spring. AKA Four Wheel Drive Spring AKA Four Wheel Drive Spring	5,755
	Dead Sheep Spring	R05272	RES	OTH			0.09	67.24						
	Dead Sheep Spring						0.10	70.83						
	Deep Spring	3203	CER	IRR	39.26085	-114.43572	0.35	190.60	0.48	347.51	Proof of Beneficial Use	156.91	Proof of Beneficial Use states the spring makes 0.48 cfs.	
	Deer Spring	R05276	RES	OTH	38.61112	-114.43058	0.02	5.77	0.00	2.45	Single Measurement	0.00		
	Dipping Springs	V01195	VST	STK	39.775165	-114.47513	0.03	18.11	0.03	18.11	Proof filing	0.00	POD is in s 23 22N 66E. NHD dataset coordinates.	
	Dolan's Trap Spring	V01778	VST	STK	39.93094	-114.62222	0.20	10.74	0.20	10.74	Proof filing	0.00	NHD dataset coordinates	
	Dos Tetones Spring				39.56615	-114.59418			2.10	1520.36	Average of Multiple Measurements	0.00	Tributary to Kalamazoo Creek, See Kalamazoo Creek Decree	6,956

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
395204114354101	Egan Creek Springs				39.86772	-114.59558			0.87	629.85	Single Measurement	Unknown	Part of Spring Gulch drainage? USGS measurement and location.	6,654
	Four Mile Spring	3927	CER	IRR			0.10	40.00						
	Four Mile Spring	5028	CER	IRR			0.07	24.00						
	Four Mile Spring				39.31102	-114.31578	0.17	64.00	0.18	130.32	Average of Multiple Measurements	66.32		
	Garden Spring	V01194	VST	STK	39.79756	-114.49936	0.03	18.08	0.01	7.24	Single Measurement	0.00	Unnumbered Ruling states source is already appropriated. Measurement from field investigation by Hugh Shamberger, discharge is 4 gpm.	
	Granite Spring	5713	CER	STK	39.21232	-114.35890	0.01	3.65	0.01	3.65	Proof of Beneficial Use	0.00	Permitee states normal flow of the spring is not more than 0.0125 cfs.	
	Grass Valley Springs	V01081	VST	STK			0.02	11.20				Unknown	Cannot verify location of spring.	
	Horse Spring	3646	CER		39.96092	-114.59157	0.01	8.96	0.01	8.96	Certificate of Appropriation	0.00	NHD dataset coordinates	
	Hub Basin and Tributaries	V02853	VST	STK	38.95697	-114.38049	-	600.80		600.80	Proof filing	0.00	No information in claim regarding diversion rate. Ruling 4518 states insufficient flows (Dry or very low flows).	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Hub Spring	24260 V02842	CER VST	MM STK	38.96406	-114.35112	0.01 0.50 0.51	5.65 1.41 7.06	0.00	2.90	Average of Multiple Measurements	0.00	Ruling 4518 states insufficient flows (Dry or very low flows).	
	Indian Spring	R05290	RES	OTH	39.24536	-114.52428	0.03	20.25	0.03	20.27	Single Measurement	0.02	Measurements of Indian Springs North and South are summed to determine estimated average annual discharge. Coordinates are for the Indian Springs South location	
					39.24587	-114.52193							Coordinates are for the Indian Springs North location.	
	Indian Spring East	V00802	VST	OTH	38.64152	-114.44959	-	-	0.02	17.38	Average of Multiple Measurements		See Indian Springs Ditch in Streamflow Table for availability estimates. Sources combine and are collectively known as Indian Springs. Duty and diversion rates are not specified in Claim V00802.	6,380

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Indian Spring West	V00802	VST	STK	38.64783	-114.44658	-	-	0.02	14.48	Average of Multiple Measurements		See Indian Springs Ditch in Streamflow Table for availability estimates. Sources combine and are collectively known as Indian Springs. Duty and diversion rates are not specified in Claim V00802.	6,209
	Jack Springs	7419	CER	STK			0.01	3.74						
	Jack Springs	46978	CER	MM			0.50	277.18						
	Jack Springs	V01614	VST	MM			-	-					Jack Spring and Flood Waters. Duty described as "All from the source." Proof of Beneficial Use for 7419 states normal flow of the source is 0.025 cfs.	
	Jack Springs				39.07660	-114.37534	0.51	280.92	1.91	1382.80	Average of Multiple Measurements	0.00	Ruling 4893 states fully appropriated by prior rights. See Proof of Beneficial Use for 46978, all water from spring is captured and used at mining operations.	
	Keegan Spring	55363	PER	IRR			0.25	160.00					Source part of the Keegan Spring complex. Ruling 5860 states springs 1-3 comingled equal 100 gpm.	
	Keegan Spring	55364	PER	IRR			0.25	160.00					Source part of the Keegan Spring complex. Ruling 5860 states springs 1-3 comingled equal 100 gpm.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Keegan Spring	55365	PER	IRR			0.25	160.00					Source part of the Keegan Spring complex. Ruling 5860 states springs 1-3 comingled equal 100 gpm.	
	Keegan Spring				39.44971	-114.50076	0.25	160.00	0.56	405.43	Average of Multiple Measurements	245.43		5,617
	Kolchek Springs	2261	CER	IRR	39.24690	-114.60283	0.01	3.00	0.02	17.38	Proof of Beneficial Use	0.00	Proof of Beneficial Use states all water from spring(s) is used by the Permittee. Coordinate generalized to roughly center of the sources listed on certificate 215.	
	Kraft Spring No. 1	V03554	VST	STK	39.270291	-114.648284	0.02	2.03	0.02	2.03	Proof filing	0.00	NHD dataset coordinates	
	Kraft Spring No. 2	V03549	VST	STK	39.28001	-114.63855	0.02	2.03	0.02	2.03	Proof filing	0.00	NHD dataset coordinates	
	Layton Spring	4171	CER	STK	39.10750	-114.45330	0.02	14.33	0.001	0.88	Average of Multiple Measurements	0.00		5,698
	Lime Rock Spring	6503	CER	STK	38.98982	-114.63062	0.00	1.50	0.01	1.50	Proof of Beneficial Use	0.00	Permittee states usual flow of spring is 0.006 cfs. NHD dataset coordinates.	
	Long Springs	V01176	VST	STK			0.30	34.53				Unknown	Cannot verify location of spring.	
	Long Springs	V02223	VST	STK	39.81933	-114.47830	0.03	6.05	0.03	6.05	Proof filing	0.00	NHD dataset coordinates	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Lost Spring	6808	CER	STK			0.01	2.18	0.03	2.18	Proof of Beneficial Use	0.00	Proof of Beneficial Use states usual flow is 1/40 cfs. Cannot verify location of spring.	
	Lower Callahan Spring	6290	CER	STK	39.74701	-114.24575	0.01	7.12	0.10	72.40	Proof of Beneficial Use	65.28	Measurement made for Proof of Beneficial Use for Permit 6290.	
	Lower Lunch Valley Spring	5308	CER	STK	39.66329	-114.19277	0.01	7.24	0.04	30.77	Average of Multiple Measurements	23.53		
	Lower Murphy Wash Spring	48724	CER	STK			0.18	4.51						
	Lower Murphy Wash Spring	V02915	VST	STK			0.01							
	Lower Murphy Wash Spring				38.73335	-114.33315	0.19	4.51	0.00	1.12	Average of Multiple Measurements	0.00		6,560
	Lower Pete Spring	V03555	VST	STK			0.02	2.03	0.02	2.03	Proof filing	0.00		
	Lower Spring	7701	CER	STK			0.03	17.92	0.03	17.92	Proof of Beneficial Use	0.00	Permittee states in time of low water, not enough for his own use. Cannot verify location of spring.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Lows Canon	5563	CER	STK	39.68963	-114.20878	0.01	5.92	0.20	144.80	Proof of Beneficial Use	138.88	Source is Other Surface Water. Proof of Beneficial Use measures 0.20 cfs; permittee states surveyor told him that 0.2 is the normal flow of the source.	
	Lunch Valley Spring	V01024	VST	STK			0.50	6.26				Unknown	Cannot verify location of spring.	
	Middle Canon	V01181	VST	STK			0.03	5.52				Unknown	Cannot verify location of spring.	
	Middle Hub Basin Spring				38.96097	-114.34861			0	4.84	Single Measurement	4.84	NDWR Field Investigation No. 969.	
384944114235101	Minerva Spring	811	CER		38.82901	-114.39534	2.80	1120.00	1.36	987.22	Average of Multiple Measurements	0.00	See correspondence dated Jan 31, 1908. Letter requests tail water from Swallow Creek and mentions springs Section 36 12N 67E and in Sections 1 and 12, 11N 67E (Shoshone, Unnamed and Minerva Springs?) POD for 811 located in NW NE section 34, 12N 67E.	5,825
	Moonshine Springs	11313	CER	STK	39.812277	-114.590185	0.02	7.06	0.02	7.06	Certificate of Appropriation	0.00		
385403114202501	Mt Wheeler Mine Spring				38.90078	-114.34111			0.08	57.92	Single Measurement	57.92	USGS measurement.	7,965



Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Mud Spring	6754	CER	IRR	39.30657	-114.47963	0.54	195.00	0.04	28.96	Single Measurement	0.00	Combination of two primary discharge points.	
	Mud Spring	8547	CER	STK	39.80930	-114.64001	0.01	5.40	0.03	18.10	Proof of Beneficial Use	12.70	Proof of Beneficial Use states normal flow at source is 0.025 cfs.	
	Mud Spring	V02222	VST	STK			0.03	6.08				Unknown	Cannot verify location of spring.	
	Mud Springs Nos. 1, 2 and 3	3973	CER	STK	39.26808	-114.42851	0.01	5.65		6.51	ET Analysis	0.86	Coordinates are generalized to one location for all three sources.	
	North Cleve Spring	V03551	VST	STK	39.27085	-114.57279	0.02	2.03	0.02	2.03	Proof filing	0.00	NHD dataset coordinates	
	North Millick Spring	10993	CER	IRR	39.30743	-114.38438	0.60	433.62	0.56	401.95	Average of Multiple Measurements	0.00	Millard Engineering states discharge of 0.602 is representative normal discharge for the spring. See correspondence dated 1/11/1949 in file 10921.	5,590
	North Spring				38.90771 38.90679	-114.48887 -114.48891				5.51	ET Analysis	5.51	North Spring north source. North Spring south source.	
	O'Neil Spring	1616	CER	STK			0.01	4.36	0.01	4.36	Certificate of Appropriation	0.00		
	Osborne Spring(s)	802	CER	STK	39.71529 39.71343	-114.52700 -114.52858	0.03	12.03		3.11	ET Analysis	0.00	Osborne Springs north source Osborne Springs south source	6,127

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	O'Toole Spring	V03560	VST	STK	39.358273	-114.53665	0.02	0.55	0.02	0.55	Proof filing	0.00		
	Petes Spring	V03550	VST	STK	39.26719	-114.60570	0.02	1.99	0.02	1.99	Proof filing	0.00		
	Piermont Spring	V02809	VST	STK			0.01	1.5	0.01	1.5	Proof filing	0.00		
	Pipe Spring	8525	CER	STK	38.57670	-114.44394	0.01	5.98	0.01	5.98	Certificate of Appropriation	0.00		
	Raised Spring	27741 V02837	CER VST	IRR STK	38.97301	-114.37015	0.50 0.02	361.99 2.30	0.11	83.07	Average of Multiple Measurements	0.00	Ruling 4518 states insufficient flows (Dry or very low flows).	
	Raised Spring and Tributaries	V02851	VST	IRR	38.96581	-114.41662	-	529.60	0.50	361.99	Single Measurement	0.00	Ruling 4518 states insufficient flows (Dry or very low flows). Coordinates estimated from description of site in PBU and USGS quadrangle. Confidence in coordinates is low.	
	Rock Spring	957	CER	STK			0.03	18.10	0.03	18.10	Certificate of Appropriation	0.00	Cannot verify location of spring.	
	Rock Spring	R05281	RES	OTH	39.181621	-114.37415	0.04	8.10	0.03	23.46	Average of Multiple Measurements	15.35	Unnumbered ruling states source is fully appropriated by prior rights. Ruling issued in support of Application 3969. Application was subsequently cancelled.	6,364

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Sharp Canon	V01180	VST	STK			0.10	5.52				Unknown	Cannot verify location of spring.	
	Sharpe Creek	5571	CER	STK	39.96305	-114.47438	0.01	8.68	0.01	8.68	Average of Multiple Measurements	0.00	Permittee states in Proof of Beneficial Use all flow from the source is used except in times of high flow during Spring run-off.	
385052114234501	Shoshone Spring	811	CER		38.84773	-114.39666			0.01	7.24	Single Measurement	0.00	See correspondence notes for Minerva Spring. USGS measurement and coordinates.	5,784
	Side Hill Spring	V01782	VST	STK	39.875068	-114.665386	0.20	10.74	0.20	10.74	Proof filing	0.00	NHD dataset coordinates	
	Silver Park Spring	7161	CER	STK	38.44978	-114.36204	0.00	1.69	0.01	4.51	Average of Multiple Measurements	0.00	Ruling 3083 states source is fully appropriated by prior rights.	
	Six Mile Spring	1724	CER	STK	39.33683	-114.30681	0.01	7.21	0.06	43.44	Single Measurement	36.23		
	Smudge Spring	3926	CER	STK	39.239324	-114.329591	0.03	18.08		18.08	Certificate of Appropriation	0.00	Water not measured for Proof of Beneficial Use but described as filling half of a one inch pipe.	
	Smith Canon Spring	V01023	VST	STK			0.30	5.62				Unknown	Cannot verify location of spring.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	South Bastian Spring				39.13560	-114.47330			0.01	7.24	Average of Multiple Measurements	7.24		5,660
	South Bastian Spring 2				39.13140	-114.47376			0.00	0.82	Average of Multiple Measurements	0.82		5,669
	South Millick Spring	8721 10921	CER CER	STK IRR	39.30394	-114.39022	0.02 0.79 0.81	14.49 570.73 585.22	1.04	755.76	Average of Multiple Measurements	170.54	Millard Engineering states discharge of 0.792 is representative of normal discharge for the spring. See correspondence dated 1/11/1949 in file 10921.	5,593
	South Taft Spring	V03563	VST	STK	39.325408	-114.527294	0.02	0.55		0.55	Proof filing	0.00	Spring located in channel of South Taft Creek - see streamflow measurements.	
	Spring	V09818	VST	STK			0.01	2.11					Coordinates on Proof place spring in section 6, 16N 65E, in Steptoe Valley. N39.28279 W114.69498 NAD83	
	Spring Creek Springs	R05273	RES	OTH	38.95800	-114.48861	0.00	2.15		2.15	Reserved Right Filing	0.00	Broad seep area, dry at time of NDWR visit Oct 2010.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Spring Gulch Lower Spring	V02329	VST	STK	39.87139	-114.60152	0.05	20.90	0.06	44.16	Average of Multiple Measurements	23.26		
	Spring Hill	13652 66734	CER CER	IRR IRR	39.1560863	-114.3514363	0.03	8.00	0.03	19.28	Certificates of Appropriation	0.00	Spring Hill Springs Measurement of 0.03 cfs is from the Proof of Beneficial Use for 66734; the Proof of Beneficial Use for 13652 did not provide a measurement, but estimated discharge at 0.03 cfs, as well. Coordinates estimated from support map and aerial imagery.	
				0.03			11.28							
	Spring No. 7	46973	CER	MM	39.09277	-114.39714	0.23	167.24	0.24	172.14	Average of Multiple Measurements	4.90		
	Spring No. 9	46975	CER	MM	39.09277	-114.39714	0.17	123.80	0.16	115.84	Single Measurement	0.00		
	Spring Valley Spring	V01665	VST	STK	38.857386	-114.635095	0.03	9.36	0.03	9.36	Proof filing	0.00	Spring located at crest of Schell Creek Range. AKA Willow Spring? NHD dataset coordinates.	
385033114215601	Swallow Springs	27902	CER	IRR	38.84542	-114.36598	0.46	66.00	0.89	644.34	Average of Multiple Measurements	578.34		6,080

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	The Seep				38.87668	-114.41712			8.90		ET Analysis	8.90		5,764
	Turnley Spring	5546	CER	IRR	39.16163	-114.35309	0.23	93.00	0.14	98.07	Average of Multiple Measurements	5.07	Unnumbered ruling states there is no unappropriated water. AKA Woodman Springs?  Unnumbered ruling allowed Application 9819 outside of irrigation season. 9819 subsequently cancelled. 5546 allowed for irrigation during season.	6,774
	Twin Springs	R09418	RES	OTH	39.801045	-114.605256	0.00	1.09		1.09	Reserved Right Filing	0.00		
	Unnamed Spring	R05278	RES	OTH			0.09	67.24				Unknown	Cannot verify location of spring.	
	Unnamed Spring	56236	CER	DOM			0.01	1.03		1.03	Certificate of Appropriation	0.00	Cannot verify location of spring.	
	Unnamed Spring	77583	PER	DOM	39.7875119	-114.6139401	0.01	4.30		4.30	Application Filing	0.00	Application states flow rate for the spring is 2.5 gpm. Coordinates estimated from support map and aerial imagery.	
	Unnamed Spring	R05274	RES	OTH			0.00	1.84		0.07	ET Analysis	0.00	No coordinates, used imagery for location and analysis.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Unnamed Spring	R05279	RES	OTH	39.1955913	-114.4587702	0.01	7.95		1.29	ET Analysis	0.00	Coordinates estimated from imagery and quadrangle.	
	Unnamed Spring	R05282	RES	OTH			0.04	30.38				Unknown	Cannot verify location of spring.	
	Unnamed Spring	R05283	RES	OTH	39.1840175	-114.3590481	0.04	30.38		30.38	Reserved Right Filing	0.00	Coordinates estimated from imagery and quadrangle.	
	Unnamed Spring	R05284	RES	OTH			0.04	30.38				Unknown	Cannot verify location of spring.	
	Unnamed Spring	R05285	RES	OTH			0.04	30.38				Unknown	Cannot verify location of spring.	
	Unnamed Spring	R05286	RES	OTH			0.04	30.38		30.38	Reserved Right Filing	0.00	Cache Spring?	
	Unnamed Spring	R05287	RES	OTH			0.03	20.25				Unknown	Cannot verify location of spring.	
	Unnamed Spring				39.23472	-114.53628				0.01	7.24	Single Measurement	7.24	
	Unnamed Spring	R05288	RES	OTH			0.03	20.25				Unknown	Cannot verify location of spring.	
	Unnamed Spring	R05289	RES	OTH			0.05	39.07				Unknown	Cannot verify location of spring.	
	Unnamed Spring	R05291	RES	OTH	39.255145	-114.43185	0.01	5.77		4.95	ET Analysis	0.00	Coordinates estimated from imagery and quadrangle. Two springs within 130 feet of one another. Used generalized coordinates for the spring area.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Unnamed Spring	R05292	RES	OTH	39.20343	-114.46259	0.01	7.95	4.91		ET Analysis	0.00	Spring not measureable - it is a pool. NDWR Oct 2010	
	Unnamed Spring	R05293	RES	OTH			0.01	7.95	2.55		ET Analysis	0.00	No coordinates, used imagery for location and analysis.	
	Unnamed Spring	R05294	RES	OTH			0.01	7.95	2.25		ET Analysis	0.00	No coordinates, used imagery for location and analysis.	
	Unnamed Spring	R05295	RES	OTH			0.01	7.95					Cannot verify location of spring.	
	Unnamed Spring	28790	CER	IRR	38.95438	-114.41074	0.20	144.88	0.20	144.79	Proof of Beneficial Use	0.00	Discharge based upon one measurement made for the Proof of Beneficial Use for Permit 28790. Same sources as V02855, Cabin Spring and Tributaries? Coordinates estimated from support map and quadrangle.	
	Unnamed Spring				39.68965	-114.510393			4.74		ET Analysis	4.74	Unnamed spring south of Willow Spring. Pool and marsh area, no channel to measure.	
	Unnamed Spring				39.21511	-114.46009			0.09	63.71	Single Measurement	63.71		



Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Unnamed Spring near Minerva	811	CER	IRR	38.86303	-114.40476			0.01	5.79	Single Measurement	0.00	See notes for Minerva Spring.	
	Unnamed Spring near Minerva	811	CER	IRR	38.86122	-114.40461			0.10	69.50	Single Measurement	0.00	See notes for Minerva Spring.	
	Unnamed Spring No. 5	R05280	RES	OTH	39.18599	-114.46429	0.01	7.95	0.18	130.31	Single Measurement	122.37		
	Upper Spring Gulch Springs Nos. 1, 2 and 3	V01779	VST	STK			0.20	5.68	0.20	5.68	Proof filing	0.00	Unnumbered rulings state fully appropriated by prior rights. Cannot verify location of spring.	
	Unnamed Springs, Spring Valley Creek				39.85157	-114.54927	0.00	0.00					Used imagery for areal extent and analysis. No direct measurement - broad pools without channelized discharge.	
	Unnamed Springs, Spring Valley Creek				39.83052	-114.55398	0.00	0.00					Used imagery for areal extent and analysis. No direct measurement - broad pools without channelized discharge.	
	Unnamed Springs, Spring Valley Creek				39.81265	-114.55468	0.00	0.00					Used imagery for areal extent and analysis. No direct measurement - broad pools without channelized discharge.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Unnamed Springs, Spring Valley Creek						0.00	0.00		1219.00	ET Analysis	1219.00	Springs are located within a 576 acre meadow / grassland discharge area. These springs are part of the Spring Valley Creek system in the far north part of the valley	
	Van Emon Springs	6360	PER	IRR			1.00	640.00				Unknown	Van Emon Springs. Cannot verify location of spring.	
	Van Emon Springs	77126	PER	DOM	39.688644	-114.194227	0.18	0.35					Van Emon Spring No 1. Spring location from NHD data.	
	Van Emon Springs						1.18	640.35				Unknown	Note that Permit 6360 has not been certificated.	
	Violet Springs	18183	CER	MM			0.50	241.98					No information in claim regarding diversion rate.	
	Violet Springs	V01125	VST	MM			-	-						
	Violet Springs				39.05497	-114.40325	0.50	241.98	0.01	8.69	Single Measurement	0.00		
	White Fire Spring	47352	CER	MM	39.05444	-114.39873	0.50	0.21	0.29	208.02	Average of Multiple Measurements	207.81	Measurements provided by Permitte.	
	White Rock Spring	V01728	VST	STK	38.416983	-114.365613	0.03	7.37		7.37	Proof filing	0.00	NHD dataset coordinates	
	Willard Springs	V02077	VST	STK	39.03779	-114.47362	0.05	11.20	0.00	2.53	Average of Multiple Measurements	0.00	Coordinates are for the southern most source of the complex.	5,746

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights		Estimated Average Annual Discharge		Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA	cfs	AFA				
	Willow Spring	1111	CER	STK	39.696726	-114.506962	0.03	18.08	0.01	6.03	Average of Multiple Measurements	0.00		5,987
	Yeland Spring No. 1	V09665	VST	IRR									Claim has not been accepted as filed with NDWR.	
	Yeland Spring No. 2	V09666	VST	IRR									Claim has not been accepted as filed with NDWR.	
	Yeland Spring No. 3	V09667	VST	IRR									Claim has not been accepted as filed with NDWR.	
	Yeland Spring No. 4	V09668	VST	IRR									Claim has not been accepted as filed with NDWR.	
	Yeland Spring No. 5	V09669	VST	IRR									Claim has not been accepted as filed with NDWR.	
	Yeland Spring No. 6	V09670	VST	IRR									Claim has not been accepted as filed with NDWR.	
	Yeland Spring No. 7	V09671	VST	IRR									Claim has not been accepted as filed with NDWR.	
	Yeland Spring No. 8	V09672	VST	IRR									Claim has not been accepted as filed with NDWR.	
	Yeland Springs Total								1293.25	ET Analysis	1293.25		Spring are located within a 751 acre marsh / meadow / grassland discharge area.	
	Unnamed Spring				39.14948	-114.63373						12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.79520	-114.64011				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Upper Gulch Spring				39.86554	-114.66022				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30671	-114.29381				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.65446	-114.63135				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.65454	-114.63319				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.78716	-114.63541				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.98409	-114.42751				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.77472	-114.63794				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.67036	-114.65033				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.78590	-114.63448				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.64224	-114.61956				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.66717	-114.20517				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Mud Springs				39.76360	-114.61556				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.78596	-114.63707				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.11631	-114.65128				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.77519	-114.63895					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.63341	-114.64062					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78474	-114.63151					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.77474	-114.63855					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.02603	-114.35134					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Aspen Spring				39.13658	-114.66228				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.27738	-114.22113				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.77663	-114.63037				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.78748	-114.63491				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.86391	-114.65708				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	



Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.43269	-114.58133				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.78053	-114.62473				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.60539	-114.65113				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.77581	-114.63315				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.64316	-114.61953				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Unnamed Spring				39.78750	-114.61392					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				38.78746	-114.29741					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.77473	-114.63822					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.23915	-114.56267					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.24764	-114.53592					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Crethers Springs				39.09709	-114.64452					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.98919	-114.43185					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.14915	-114.63427					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.79763	-114.63814					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.95660	-114.45037					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.30900	-114.27020				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.40309	-114.57476				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				38.79267	-114.29166				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.79515	-114.63940				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.62408	-114.64551				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	East Canyon Spring				39.15184	-114.63103					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.63690	-114.58286					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78725	-114.61528					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.31056	-114.52995					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.29564	-114.25675					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.73915	-114.61003					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.59037	-114.56176					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.30940	-114.26928					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.77468	-114.63917					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.77467	-114.64141					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Unnamed Spring				39.30922	-114.26990					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.86424	-114.65881					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.48150	-114.59638					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.79583	-114.63931					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78799	-114.61305					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.81066	-114.48639					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.77416	-114.64202					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.64236	-114.63753					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78739	-114.63420					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.77543	-114.63445					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.



Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				38.77244	-114.28788				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.11703	-114.65139				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.42833	-114.58144				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.25328	-114.53555				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.57134	-114.61671				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.61667	-114.64593				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.63455	-114.63192				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.68220	-114.19130				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Reservoir Basin Spring				39.22533	-114.30737				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.74143	-114.63824				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.23635	-114.56506				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.63315	-114.63660				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.77507	-114.63915				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.95993	-114.43951				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.27132	-114.22321				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.48464	-114.31072				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.63684	-114.60146				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.42027	-114.56317				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.64311	-114.61991				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.62483	-114.64530				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				38.44491	-114.33367					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.77512	-114.63850					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Mud Springs				39.71993	-114.58122					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.14893	-114.63468					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.30717	-114.29440					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.79555	-114.63901					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.32166	-114.27010					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.96019	-114.43706					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Cow Heaven Spring				38.52572	-114.42919					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78709	-114.61503					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.78573	-114.63373				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.76023	-114.62504				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.77474	-114.64014				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.34204	-114.28845				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Cottonwood Spring				39.21197	-114.59152				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.96908	-114.43393				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Teapot Spring				39.63499	-114.64509				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.59249	-114.61722				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.25141	-114.53601				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.80765	-114.59810				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	



Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.79546	-114.64013				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.23779	-114.53318				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Gravel Spring				39.96117	-114.59533				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.65673	-114.63342				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.77487	-114.63906				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.30737	-114.29835				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.14973	-114.63191				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.32136	-114.54668				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.77496	-114.64003				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.79580	-114.63885				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i>	<i>cfs</i>	<i>AFA</i>		
	Unnamed Spring				39.70992	-114.58245					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.67157	-114.64917					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.09915	-114.64230					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.69948	-114.21647					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Basin Spring				39.79569	-114.64004					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i>	<i>cfs</i>	<i>AFA</i>		
	Unnamed Spring				39.14874	-114.64621					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Basin Spring				38.54317	-114.43571					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.79455	-114.64231					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.30448	-114.26720					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.38424	-114.56245					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i>	<i>cfs</i>	<i>AFA</i>		
	Unnamed Spring				39.77462	-114.63885					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Mustang Spring				39.95508	-114.58954					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78610	-114.63398					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.15024	-114.66943					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.63605	-114.60681					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.48121	-114.59017				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.09324	-114.64254				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				38.56794	-114.44620				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.15158	-114.63127				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.66839	-114.64852				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.33358	-114.52927				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Ice Cream Springs				39.58176	-114.63139				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Grouse Spring				39.94986	-114.60297				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.63212	-114.64799				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Allen Spring				39.07652	-114.62253				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Unnamed Spring				39.66669	-114.20524					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78554	-114.63751					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.30615	-114.26897					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.95774	-114.44780					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.67386	-114.63476					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.



Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Unnamed Spring				39.24880	-114.53499					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.14008	-114.64170					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Sliderock Spring				39.72352	-114.63000					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.66464	-114.64062					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.79623	-114.63874					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.77695	-114.63028				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.57362	-114.64648				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				38.77376	-114.30300				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.66974	-114.65032				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.62042	-114.59029				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.41963	-114.56133				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.76266	-114.61560				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.47006	-114.55219				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.76838	-114.57935				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.72686	-114.60322				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i>	<i>cfs</i>	<i>AFA</i>		
	Unnamed Spring				39.78728	-114.61496					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78800	-114.61399					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Crethers Springs				39.09811	-114.64492					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.78687	-114.63564					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.63380	-114.63098					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.80184	-114.49882				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Skull Spring				39.94742	-114.59623				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.63689	-114.58356				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30213	-114.54664				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.48270	-114.58092				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.11714	-114.66209				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.73499	-114.60768				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.78504	-114.63849				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.56294	-114.64293				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.63386	-114.64438				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.79739	-114.63799				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.78809	-114.61377				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.51968	-114.56489				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.22832	-114.30378				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.28694	-114.58721				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Unnamed Spring				39.78702	-114.61526					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.80803	-114.59785					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.63430	-114.58675					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.71760	-114.57807					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.62645	-114.64765					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.



Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.73738	-114.60896					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.30691	-114.29432					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.79514	-114.63984					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.57424	-114.62392					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Mud Springs				39.76374	-114.61511					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.78639	-114.63621				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				38.92179	-114.41608				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.41876	-114.50444				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29469	-114.41088				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.78649	-114.54331				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.22358	-114.55101				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29807	-114.40662				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.26859	-114.48535				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.31703	-114.48010				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.86540	-114.57669				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.47683	-114.50922				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29498	-114.47766				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30836	-114.47930				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.23744	-114.52899				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.35986	-114.48201				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Unnamed Spring				39.42133	-114.50524					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.30416	-114.47959					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.42873	-114.50581					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.27503	-114.48116					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.31419	-114.48063					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Unnamed Spring				39.40413	-114.48795					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				38.85642	-114.40554					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.23320	-114.46020					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.27825	-114.48039					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.22667	-114.46196					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.31545	-114.48472				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29600	-114.40852				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.39565	-114.48694				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.20077	-114.45515				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.31461	-114.48376				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.32041	-114.48019					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.43122	-114.50681					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.62883	-114.21517					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.22742	-114.46386					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.49073	-114.49853					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.



Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.30205	-114.39573				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.47564	-114.50539				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.41926	-114.50542				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.41726	-114.50529				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30303	-114.47013				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.49054	-114.49333					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.29541	-114.41023					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.31733	-114.48008					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.27139	-114.48443					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.26159	-114.48510					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.30437	-114.39423				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30297	-114.39353				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.37508	-114.48677				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.27806	-114.48250				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.41783	-114.50462				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.30493	-114.39359					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.22249	-114.46149					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.40576	-114.48987					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.86475	-114.57502					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.41020	-114.50267					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i>	<i>cfs</i>	<i>AFA</i>		
	Unnamed Spring				39.15118	-114.50345					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.29489	-114.41071					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Worthington Spring				38.95321	-114.38623					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				38.93524	-114.41807					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.27268	-114.48352					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				38.89105	-114.40477				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				38.95697	-114.38049				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30272	-114.39589				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30977	-114.48040				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30090	-114.39815				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.27869	-114.47994				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30516	-114.39332				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.27617	-114.48102				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.37102	-114.48703				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.49426	-114.49939				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.74554	-114.53406				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.48328	-114.50681				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.39224	-114.48611				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.27768	-114.48057				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.31364	-114.48049				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	



Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.31740	-114.48108				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30443	-114.47915				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.14984	-114.47322				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.41974	-114.50395				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29446	-114.47754				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.30160	-114.39565					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.39628	-114.48715					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.30291	-114.39533					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.26247	-114.43998					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.76963	-114.53817					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA		
	Unnamed Spring				39.14836	-114.50504					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.29354	-114.41244					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Kolcheck Springs				39.22702	-114.54577					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.27513	-114.48200					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.29727	-114.47784					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.74509	-114.53332				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.38840	-114.48710				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29556	-114.47757				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.31458	-114.48160				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.31506	-114.48125				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.78523	-114.54517				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.39522	-114.48682				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				38.93968	-114.41782				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.41762	-114.50449				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29498	-114.40920				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.31508	-114.48435					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.27560	-114.48166					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.27484	-114.48234					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.31255	-114.47890					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Kolcheck Springs				39.22669	-114.54649					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.37643	-114.48757					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.29883	-114.40612					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.49082	-114.49724					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.29740	-114.40773					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				38.92202	-114.41621					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs		AFA AFA		
	Unnamed Spring				39.20228	-114.45694					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.43175	-114.50624					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.31494	-114.48418					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.27979	-114.48213					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.
	Unnamed Spring				39.22925	-114.54481					12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.



Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>AFA</i> <i>AFA</i>			
	Unnamed Spring				39.31476	-114.48384				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.28612	-114.47581				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.27541	-114.48111				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.30057	-114.47702				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.49281	-114.49777				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

USGS Site ID	Spring Name	APP	Status	Manner of Use	Latitude	Longitude	Existing Active Water Rights	Estimated Average Annual Discharge	Method Used to Estimate Average Annual Discharge	Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available	Notes	Elevation
							Diversion Rate cfs	Duty AFA cfs	AFA AFA			
	Unnamed Spring				39.78817	-114.54568				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.16366	-114.48659				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.38834	-114.48363				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.31616	-114.48403				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.78363	-114.54525				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.39602	-114.48718				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.47824	-114.50921				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.31717	-114.48291				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.49303	-114.49814				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.31740	-114.48157				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.40651	-114.49056				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.15131	-114.48397				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				38.94088	-114.42019				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.43367	-114.50665				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29507	-114.40960				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A2 - Spring Valley Springs Supply and Availability

<i>USGS Site ID</i>	<i>Spring Name</i>	<i>APP</i>	<i>Status</i>	<i>Manner of Use</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Existing Active Water Rights</i>	<i>Estimated Average Annual Discharge</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>	<i>Notes</i>	<i>Elevation</i>
							<i>Diversion Rate</i> <i>cfs</i>	<i>Duty AFA</i> <i>cfs</i>	<i>Method Used to Estimate Average Annual Discharge</i>	<i>Estimated Amount of Water Available (AFA): Estimated Discharge - Existing Rights = Available</i>		
	Unnamed Spring				39.29046	-114.47299				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.27934	-114.47992				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	
	Unnamed Spring				39.29921	-114.40231				12 - 18.5	Spring was not visited. Range of availability estimated from averaging measured spring sources. Coordinates from NHD dataset.	

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
10243750	Bassett Creek	V01219	VST	IRR	SE	NW	2	18N	66E	7.728	1804.26	4.92	3561.93	Run-off Relation	1757.67	Estimated amount of water available is the run-off relation analysis value less the appropriations for V01219 and 10843, see Bassett Creek Slough.
	Bassett and North Garden Creeks	V00789	VST	IRR		NW	1	18N	66E	-	-	0.23	166.87	Run-off Relation	Unknown	Estimated average annual discharge is for Garden Creek, North Garden Creek is tributary. Duty for V00789 is not quantified.
	Bassett Creek Slough	10843	CER	IRR	NE	SW	31	19N	67E	0.31	65.99	Unknown	Unknown		Unknown	Unnumbered ruling approved Application 10843; use limited to March 1 through June 15. Slough is formed by surplus and waste water from Bassett Creek and possible surplus water from other sources.
	Bastian Creek	10703	CER	IRR	SE	NE	23	15N	66E	4.00	256.76					
		V01216	VST	IRR	NE	SW	24	15N	66E	-	400					
		V02078	VST	STK	NW	NW	23	15N	66E	0.05	11.2					
					Supplementally Adjusted Demand					4.05	579.08	1.76	1274.19	Run-off Relation	695.11	
	Big Meadow Slough	10801	CER	IRR	SE	NW	28	17N	67E	6.00	277.17	Unknown	Unknown		Unknown	
	Bipont Creek	V01764	VST	IRR	NE	SW	30	17N	67E	-	40	Unknown	Unknown		0.00	Stream fully appropriated by prior rights - unnumbered ruling, Application 4482. aka Vipont Creek.

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
10243700	Cleveland Creek	2852	CER	IRR	NW	NW	24	16N	66E	8.02	2406.48					aka Cleve Creek Winter irrigation, Oct - April
		V00790	VST	IRR	NW	NW	25	16N	66E	2.50	10847.7					aka Cleve Creek
		V01217	VST	IRR	SE	NW	24	16N	66E	-	12000					aka Cleve Creek
						Supplementally Adjusted Demand					13254.18	10.40	7529.29	Value published by USGS	0.00	aka Cleve Creek
	Cottonwood Stream	5143	CER	STK	NE	NE	27	09N	67E	0.02	10.86	0.02	10.86	Certificate of Appropriation	0.00	Estimated average annual discharge based on Certificate under Permit 5143. aka Cottonwood Spring
	Dry Creek	813	CER	IRR	SW	SW	8	12N	68E	0.20	60					
		V01026	VST	IRR	NE	NE	12	12N	67E	-	16					
		V02861	VST	IRR	NE	NW	18	12N	68E	-	3027.72					
										0.20	3103.72	Unknown	Unknown		Unknown	
10243630	Williams Creek	4418	CER	IRR	NE	SE	32	13N	68E	3.70	1349.7					aka Williams Canyon
		V00714	VST	IRR		NW	35	13N	67E	-	140					
		V02860	VST	IRR	NW	NW	7	12N	68E	-	3027.72					
					Supplementally Adjusted Demand				3.70	3990.11	1.61	1165.59	Run-off Relation	0.00	No unappropriated water during irrigation season - unnumbered ruling, Application 2151.	
	Dry and Williams Creeks Below Confluence				SW	SW	7	12N	68E	3.90	7093.83	3.71	2685.93	Run-off Relation	0.00	Estimated annual discharge is for stream channel below the confluence of Dry and Williams Creeks, based upon one USGS measurement in 1964. Location is measurement site described in USGS Reconnaissance Report No. 33.

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes		
										Diversion Rate cfs	Duty AFA	cfs	AFA					
	Dry Gulch	5499	CER	MM	NE	SE	12	14N	67E	5.00	1206.63	Unknown	Unknown		Unknown	One recorded measurement collected by NDWR Oct. 2010 - channel is dry.		
	Eight Mile Creek	5923	CER	IRR	NW	SW	27	18N	68E	0.85	306.00							
	Eight Mile Creek	V00767	VST	IRR	NW	NE	34	18N	68E	-	120.00							
	Eight Mile Creek	V01648	VST	IRR	NW	SW	27	18N	68E	1.00	300.00							
	Eight Mile Creek			Supplementally Adjusted Demand						1.00	426.00	0.96	696.03	Run-off Relation	0.00	No unappropriated water - unnumbered ruling , Application 6645. Subject of ruling is spring in Eight Mile Creek drainage.		
	Frenchman's Canyon	1520	CER	IRR	SW	SW	33	21N	66E	0.08	32	0.19	137.55	Run-off Relation	105.55			
	Garden Creek (Actually Gordon Creek?)	V01214	VST	IRR	NW	SE	26	18N	66E	-	2000					Claim filed for Garden Creek, but stream identified as Gordon Creek on USGS Quadrangle.		
	Gordon Creek Garden / Gordon Creek	28818	CER	IRR	NW	SE	25	18N	66E	4.80	243.08	4.80	2243.08	2.40	1737.53	Average of available measurements	0.00	Estimated annual average discharge is for streamflow at the point of diversion for Permit 28818. It is the average of reported value in the Proof of Beneficial Use and one measurement made by NDWR.
	Goshute Creek	1159	CER	IRR	SE	SE	32	17N	67E	2.09	758.44	6.00	4343.82	Proof of Beneficial Use	3585.38	Average annual discharge based upon Proof of Beneficial Use filed for Permit 1159; 6.0 c.f.s. diverted from 01 April to 01 Oct. 1911.		
	Horse Canyon Creek	V04722	VST	MM	SW	NE	32	14N	68E	0.50	-	Unknown	Unknown		0.00	Stream tributary to Willard Creek. No annual duty information		



Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
	Hub Basin Drainage	27901	CER	IRR	NW	SE	29	13N	68E	1.50	823.24				0.00	Insufficient flows (Dry or very low flows) - Ruling 4518. Applications 28841 - 48, 28850 - 53, 29107 -114. Coordinates estimated from Application map and USGS quadrangle.
	Indian Creek				NE	SW	14	16N	66E			0.65	470.58	Run-off Relation	Unknown	Indian Creek channel intersects Cleve Creek ditch to Cleveland Ranch. Location is for streamflow measurement site.
	Indian Springs Ditch	V00802	VST	STK	NE	NW	15	09N	67E	-	10.56	0.03	22.87	Run-off Relation	12.31	Estimated average annual discharge incorporates measurements for both Indian Springs East and West.
10243800	Kalamazoo Creek	4043	CER	IRR	NE	SE	27	19N	66E	2.40	870					
		V02305	VST	IRR	NW	NE	34	20N	66E	-	877.2					
		V02332	VST	IRR	SW	SE	28	20N	66E	1.42	517.56					
											3.82	2264.76	5.69	4119.39	Run-off Relation	0.00
	Lincoln Creek	25678	CER	IRR	SE	NE	27	12N	68E	4	630.24					
	Lincoln Creek and Tributaries	34704	PER	IRR	NW	SE	29	12N	68E	5	1760					Permit 34704 issued for flood waters.
					Supplementally Adjusted Demand					4.00	630.24		630.24	Certificate of Appropriation	0.00	Annual streamflow in acre-feet from certificate for Permit 25678.

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
10243740	Garden Creek (actually Gordon Creek?)and McCoy Creek	V00791	VST	IRR	NW	SE	1	17N	66E	-	6375.45					Source of water is both McCoy and Garden Creeks
	McCoy Creek	10710	CER	IRR	NE	NW	2	17N	66E	3.10	1240					
		V01215	VST	IRR	NW	SE	1	17N	66E	-	6400					
					Supplementally Adjusted Demand					3.10	12775.45	6.68	4833.16	Run-off Relation	0.00	Estimated annual discharge is the value for McCoy Creek only. Station for estimated average streamflow is McCoy Creek at Mountain Block.
	Meadow Creek											0.98	709.49	Run-off Relation		
	North Creek (above Robinson Ranch)											0.45	325.79	Run-off Relation		
	Meadow Creek and North Creek	4041	CER	IRR	NW	NE	14	19N	66E	1.20	435	1.43	1035.28		600.28	Proof of Beneficial Use states usual flow is 1.0 c.f.s. All water is diverted for use under permit, as well as culinary use.
	Mike Spring	V01069	VST	STK	NW	SW	32	21N	69E	0.10	11.97	0.10	72.40	Single Measurement	60.43	Field Investigation August 1928 measures 0.1 c.f.s. at diversion.
	Muncy Creek	5247	PER	IRR	NW	SW	15	20N	66E	2.00	201.64					Surplus, waste or high run-off water.
		8104	CER	STK	NE	SE	15	20N	66E	0.01	3.74					
		19435	CER	IRR	NW	SW	24	20N	66E	-	54					Storage of flood waters.
		V01969	VST	IRR	NW	NW	15	20N	66E	1.00	400					
		V02286	VST	IRR	SW	NW	16	20N	66E	2.00	78.68					
										5.01	738.06	2.25	1628.93	Run-off Relation	0.00	No unappropriated water - unnumbered ruling, Application 7735.
	Negro Creek	3186	CER	IRR	NE	SW	35	17N	67E	1.60	640					

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
		8393	CER	IRR	SE	NE	2	16N	67E	1.51	544.86					
		10487	CER	IRR	NE	NE	2	16N	67E	2.87	1149.2					
	Negro Creek and Tributaries	V01080	VST	IRR	NW	NE	16	16N	68E	-	266.52					
					Supplementally Adjusted Demand					4.47	2055.55	1.60	1158.35	Run-off Relation	0.00	
	Negro Abe Creek	4951	CER	IRR	SE	SE	29	21N	66E	0.08	25.08	0.20	144.79	Average of available measurements	119.71	Negro Abe Creek is the stream resulting from the combination of North Creek, Frenchman's Creek and Ruby Creek. Estimated annual average discharge is for streamflow at the point of diversion for Permit 4951. It is the average of reported value in the Proof of Beneficial Use and one measurement made by NDWR.
	New Moon Creek	7725	CER	MM	NE	SW	7	14N	68E	0.08	59.37	0.06	44.73	Average of available measurements	0.00	Average annual discharge based upon two measurements associated with Permit 7725.
	North Creek (at Sunkist)	7097	CER	STK	NE	SE	23	21N	65E	0.01	1.32	1.29	930.31	Run-off Relation	928.99	
	North Garden Creek	13457	CER	IRR	SE	SE	15	18N	66E	3.44	613.9					aka Little Negro Creek
		V01213	VST	IRR	SE	NE	14	18N	66E	-	1280					aka Little Negro Creek
					Supplementally Adjusted Demand					3.44	1280	0.88	637.09	Run-off Relation	0.00	aka Little Negro Creek
10243745	Odgers Creek	V02804	VST	IRR	SW	SW	24	18N	66E	7.04	904.62					
	Odgers Creek	V02807	VST	STK	NE	NW	29	18N	66E	0.01	1.5					
	Odgers Creek									7.04	906.12	2.30	1664.07	Run-off Relation	757.95	Source adjudicated, See Odgers Creek Decree

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
	Osceola Creek	7724	CER	MM	SE	NW	7	14N	68E	0.20	144.79	0.12	83.26	Average of available measurements	0.00	Estimated discharge is average of two measurements from Permit files.
10243760	Piermont Creek	7847	CER	PWR	NW	SW	29	19N	66E	2.48	-					No duty information
	Piermont Creek	8396	CER	MM	NW	SW	29	19N	66E	0.16	112.94					
	Piermont Creek	10766	CER	IRR	SE	SE	22	19N	66E	3.00	1210.2					
	Piermont Creek	20895	CER	IRR	SW	SE	25	19N	66E	3.00	554.32					
	Piermont Creek	V02805	VST	IRR	NE	NE	26	19N	66E	6.66	629.85					
	Piermont Creek	V02808	VST	STK	SE	NE	1	18N	65E	0.05	1.5					
	Piermont Creek				Supplementally Adjusted Demand						15.35	2437.97	2.01	1455.49	Run-off Relation	
	Pine Creek	6834	CER	IRR	SE	SW	13	13N	67E	0.97	583.8					Proof of Beneficial Use measurement of 3.2 c.f.s.
	Pine Creek	27740	CER	IRR	NE	SE	18	13N	68E	3.20	753.8					
	Pine Creek	V02834	VST	STK	NE	NW	16	13N	68E	0.02	2.3					Fully appropriated by prior rights - unnumbered ruling, Application 1972.
	Pine Creek			Supplementally Adjusted Demand						4.19	948.4					
	Ridge Creek	27742	CER	IRR	NE	SE	18	13N	68E	3.20	753.8					All waters appropriated for direct irrigation - unnumbered ruling, Application 2115.
	Ridge Creek	V02838	VST	STK	NE	SW	16	13N	68E	0.02	2.3					
	Ridge Creek									3.22	756.1					
	Pine and Ridge Creeks Below Confluence									7.40	1704.50	1.23	890.48	Run-off Relation	0.00	Estimated annual discharge for channel below the confluence of Pine and Ridge Creeks

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
	Ranger Creek				NE	SE	15	17N	66E			0.05	35.92	Run-off Relation	0.00	Ranger Creek is tributary to Taft Creek. Location is for streamflow measurement site.
	Shingle Creek	920	CER	IRR	NE	NE	22	13N	67E	1.81	543.99					
	Shingle Creek	15812	CER	IRR	NW	NE	13	13N	67E	1.59	640					
	Shingle Creek	17163	CER	IRR	NW	NE	22	13N	67E	1.60	320					
	Shingle Creek	29162	CER	IRR	NW	NE	13	13N	67E	6.90	1036.68					
	Shingle Creek	77714	PER	STK	NW	NE	13	13N	67E	0.00	0.92					
	Shingle Creek				Supplementally Adjusted Demand					8.71	1752.76	1.33	965.87	Run-off Relation	0.00	All water appropriated - unnumbered ruling, Applications 1411, 9050. Estimated annual discharge is for the station Shingle Creek at Mountain Block.
	Siegel Creek	3433	CER	IRR	NW	NW	4	21N	66E	0.73	261.36					
	Siegel Creek	V01686	VST	IRR	NE	NW	1	21N	65E	-	179.6					
	Siegel Creek									0.73	440.96	1.01	731.21	Run-off Relation	290.25	
	Slough in Spring Valley	5691	CER	IRR	SE	SE	33	17N	67E	1.90	919	1.12	810.85	Average of available measurements	0.00	Estimated annual discharge based upon average value of flow measurements of the slough in the vicinity of the POD of 5691. See field investigation, dated August 29, 1950, in file of Permit 5691.
	South Taft Creek	21688	CER	IRR	NW	NW	23	17N	66E	4.00	1540	0.56	408.39	Run-off Relation	0.00	South Taft Creek is tributary to Taft Creek.
	Spring Creek	2005	CER	IRR	NW	NW	32	13N	68E	0.80	320					
	Spring Creek	27739	CER	IRR	NW	NE	32	13N	68E	2.30	823.24					

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
	Spring Creek	V02835	VST	STK	NE	NE	32	13N	68E	0.02	2.3					
	Spring Creek and Tributaries	V02854	VST	IRR	SW	SE	30	13N	68E	-	659.6					
	Spring Creek				Supplementally Adjusted Demand					2.32	963.8	2.19	1585.49	Average of available measurements	621.69	Estimated annual discharge based upon average value of two flow measurements in vicinity of the POD of 27739.
	Spring Valley Wash	19436	CER	IRR	NE	SE	13	20N	66E	-	25	Unknown	Unknown	Certificate of Appropriation under Permit 19436	0.00	Permit is for storage of flood waters from Spring Valley Wash
	Stage Canyon				SW	NE	3	22N	65E			0.03	18.64	Run-off Relation	18.64	Location is for streamflow measurement site.
	Stephen Creek	V01218	VST	IRR	NE	NW	6	16N	67E	-	4800	0.67	482.87	Run-off Relation	0.00	No diversion rate information in Claim. aka Stephens Creek.
	Swallow Creek	811	CER	IRR	NE	NW	34	12N	67E	2.80	1120					Application for waste waters from Swallow Creek and springs. See correspondence dated Jan 31, 1908. Portion of water received from Swallow Creek vs springs unknown - not included in demand total for Swallow Creek.
	Swallow Creek	3865	CER	IRR	SE	SW	6	11N	68E	2.14	641.94					
	Swallow Creek	27743	CER	IRR	SW	SW	4	11N	68E	87.00	12348.3					
	Swallow Creek	V02836	VST	STK	SW	SE	3	11N	68E	0.75	2.3					
	Swallow Creek				Supplementally Adjusted Demand					89.89	12622.97	5.91	4277.62	Run-off Relation	0.00	

Table A3 - Spring Valley Streams Supply and Availability

USGS Site ID	Stream Name	APP	Status	Manner of Use	QQ	Q	S	T	R	Existing Active Water Rights		Estimated Average Annual Streamflow		Method Used to Estimate Average Annual Streamflow	Estimated Amount of Water Available (AFA): Estimated Streamflow - Existing Rights = Available	Notes
										Diversion Rate cfs	Duty AFA	cfs	AFA			
10243735	Taft Creek	3383	CER	IRR	NE	SW	14	17N	66E	0.20	59.88					
	Taft Creek	21220	CER	IRR	SW	NE	15	17N	66E	4.00	721					
	Taft Creek	21687	CER	IRR	SW	NE	15	17N	66E	3.50	1500					
	Taft Creek				Supplementally Adjusted Demand					4.20	1600.32	2.19	1583.98	Run-off Relation	0.00	Estimated average annual streamflow is for the site Taft Creek at Diversion.
	Trail Creek											0.00	0.00	Run-off Relation		Estimated average discharge values from SNWA Measurements 2006 through 2008. Location is for streamflow measurement site.
	Trail Creek and Fandango Creek	4042	CER	IRR	SE	NW	11	19N	66E	1.20	435	0.09	63.35	Average of available measurements	0.00	Estimated average discharge values from information in the Proof of Beneficial Use for Permit 4042.
	Willard Creek	983	CER	MM			3	13N	67E	1.00	723.95					
	Willard Creek	1052	CER	IRR		NW	23	13N	67E	0.20	80					
	Willard Creek	8804	CER	STK	NE	NW	6	13N	68E	0.03	22.4					
	Willard Creek	17017	CER	IRR		LT03	6	13N	68E	0.32	97					
	Willard Creek	22545	CER	IRR	NE	SW	15	13N	67E	2.00	640					
	Willard Creek	50772	CER	IRR	NW	NW	12	13N	67E	4.00	752.76					
	Willard Creek									7.55	2316.11	0.49	354.56	Run-off Relation	0.00	Stream fully appropriated - Rulings 285, 956 and unnumbered. Application 22545 allowed provided senior rights satisfied. Station used for estimated annual discharge is SNWA station at Willard Creek.

## **APPENDIX B – LIST OF WATER RIGHTS AND OWNERS OF RECORD**

### **Contents**

<b>Explanation of Column Headings and Abbreviations</b>	<b>B-1</b>
<b>List of Water Rights and Owners of Record</b>	<b>B-2</b>



## Explanation of Column Headings and Abbreviations for Appendix B

APP	The file number of the Permit, Claim of Vested Right or Public Water Reserve.	
STATUS	This is the status of the water right.	
CER	A certificated right. The standard “CER” abbreviation is replaced with the certificate number in some tables.	
DEC	A claim of vested right that has been adjudicated and is part of a decree.	
PER	A permit that has not been certificated.	
RES	A public water reserve.	
VST	A claim of vested right not yet adjudicated.	
###	The serial number of a certificate. See “CER” above.	
SOURCE	The source of the water subject of the water right.	
	OSW	Other Surface Water
	RES	Reservoir
	SPR	Spring
	STR	Stream
	OGW	Other Ground Water
	UG	Groundwater
SOURCE DESCRIPTION	The name of the spring, stream, reservoir or other water source.	
QQ	The quarter-quarter of the section in which the point of diversion or source is located.	
Q	The quarter of the section in which the point of diversion or source is located.	
SEC	The section in which the point of diversion or source is located.	
T	The township in which the point of diversion or source is located.	
R	The range in which the point of diversion or source is located.	
DUTY	The amount of water appropriated by the right in acre-feet (either annually or seasonally, see “UNITS” below). In some cases the duty is not explicit in terms of acre-feet because it is based on the number of animals or has not been determined. In such cases a conservative value of the diversion rate expanded over the period of use is used; this is the theoretical maximum that could be diverted and not necessarily the extent of the right since beneficial use is the measure and the limit of the water right.	
UNITS	AFS is acre-feet per season and AFA is acre-feet annually.	
TCD	Some rights are limited to a total combined duty (TCD), which can be less than the sum of the individual rights comprising the entire group. To properly calculate the appropriations on a source, a TCD value is needed to represent the entire group. If there is no TCD group, then the duty of the individual right is placed in this column for calculation purposes.	
UG TCD GROUP	This is the list of groundwater rights that comprise a TCD group	

## Appendix B

## List of Water Rights and Owners of Record

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
802	25	SPR	OSBORNE SPRING	SW	NW	09	21N	66E	12.03	AFS	12.03		OLSEN, CASTEN	
811	131	LAK	LAKE FED BY SPRINGS AND MOUNTAIN CREEKS	NW	NE	34	12N	67E	1,120.00	AFA	1,120.00		SOUTHERN NEVADA WATER AUTHORITY	
813	659	STR	DRY CREEK	SW	SW	08	12N	68E	60.00	AFA	60.00		SOUTHERN NEVADA WATER AUTHORITY	
920	866	STR	SHINGLE CREEK	NE	NE	22	13N	67E	543.99	AFA	543.99		SOUTHERN NEVADA WATER AUTHORITY	
957	71	SPR	ROCK SPRING	-	-	-	23N	66E	18.10	AFA	18.10		B ENTERPRISES, LP (82.5%) & GARDNER, GEORGE L. & LAREE (17.5%)	Also Cert. 72 (Marvis) for Sand Spring and 73 for Blind Spring both in Antelope Valley
983	171	STR	WILLARD CREEK	-	-	03	13N	67E	723.97	AFA	723.97		PILOT KNOB GOLD MINING & MILLING CO.	Duty is conservatively estimated based on diversion rate.
1052	244	STR	WILLARD CREEK	-	NW	23	13N	67E	80.00	AFA	80.00		BAAL, JOHN MICHAEL JR.	
1159	134	STR	GOSHUTE CREEK	SE	SE	32	17N	67E	758.44	AFA	758.44		GEORGE ELDRIDGE & SON, INC.	
1520	107	STR	FRENCHMAN'S CANYON	SW	SW	33	21N	66E	32.00	AFA	32.00		OLSEN, CASTEN	
1616	109	SPR	O'NEIL SPRING	NW	NW	26	19N	68E	4.36	AFA	4.36		KEEGAN, C J AND OLSEN, CASTEN	
1724	184	SPR	SIX MILE SPRING	SE	NW	15	17N	68E	7.21	AFA	7.21		CORP. OF CHURCH OF LATTER-DAY SAINTS	
1900	117	SPR	BASIN SPRING	SW	SE	02	17N	68E	1.53	AFA	1.53		GEORGE ELDRIDGE & SON, INC.	
1901	118	SPR	COTTONWOOD SPRING	NE	NE	22	18N	68E	1.53	AFA	1.53		GEORGE ELDRIDGE & SON, INC.	
1922	179	SPR	BACON SPRING	SW	NE	21	15N	68E	60.00	AFS	60.00		FARREL, FRANKLIN JR.	
2005	406	STR	SPRING CREEK	NW	NW	32	13N	68E	320.00	AFA	320.00		SOUTHERN NEVADA WATER AUTHORITY	
2108	29	SPR	COLD SPRING AND OHIO SPRINGS	NE	SW	29	14N	68E	2.98	AFS	2.98		ROBISON BROTHERS	
2261	215	SPR	KOLCHEK SPRING	-	-	23	16N	65E	3.00	AFS	3.00		KOLCHEK, ALEX	
2486	258	SPR	OHIO SPRING	NE	SW	29	14N	68E	144.79	AFA	144.79		MCMILLIN TRUST (50%) AND PONY EXPRESS MINING AND MILLING (50%)	Duty is conservatively estimated based on diversion rate.
2710	259	SPR	COLD SPRING	SE	NE	30	14N	68E	144.79	AFA	144.79		MCMILLIN TRUST (50%) AND PONY EXPRESS MINING AND MILLING (50%)	Duty is conservatively estimated based on diversion rate.
2745	167	SPR	CEDAR SPRINGS	SW	NE	31	17N	67E	80.00	AFA	80.00		ADAMS MCGILL COMPANY	
2852	902	STR	CLEVELAND CREEK	NW	NW	25	16N	66E	2,406.48	AFA	2,406.48		CORP. OF CHURCH OF LATTER-DAY SAINTS	
3186	567	STR	NEGRO CREEK	NE	SW	35	17N	67E	640.00	AFA	640.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	Negro Creek Decree (Civil)
3203	2645	SPR	DEEP SPRING	SE	SE	09	16N	67E	190.60	AFA	190.60		GEORGE ELDRIDGE & SON, INC.	
3383	1036	STR	TAFT CREEK	NE	SW	14	17N	66E	59.88	AFA	59.88		ANDRAE, ARTHUR & AUDRAE	
3433	1210	STR	SEIGEL CREEK	NW	NW	04	21N	66E	261.36	AFA	261.36		BUNDY, CLARENCE A. & M. JOSPHINE	
3646	1976	SPR	HORSE SPRING	NW	NE	14	24N	65E	8.96	AFA	8.96		DOUTRE, JAMES	
3793	2377	SPR	CHOKEBERRY SPRING	SE	SW	15	16N	68E	50.00	AFA	50.00		ROGERS, G.W. & H.T.	
3865	1068	STR	SWALLOW CREEK	SE	SW	06	11N	68E	641.94	AFA	641.94		SOUTHERN NEVADA WATER AUTHORITY	
3926	1475	SPR	SMIDGE SPRING	NW	NE	21	16N	68E	18.08	AFA	18.08		ROGERS, G.W. & H.T.	
3927	469	SPR	FOUR MILE SPRING	SW	NW	27	17N	68E	40.00	AFA	40.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
3973	5993	SPR	MUD SPRINGS NOS. 1, 2 & 3	SW	NW	10	16N	67E	5.65	AFA	5.65		ROGERS, G.W. & H.T.	
4041	1930	STR	MEADOW CREEK AND NORTH CREEK	NW	NE	14	19N	66E	435.00	AFA	435.00		SOUTHERN NEVADA WATER AUTHORITY	
4042	1929	STR	TRAIL CREEK AND FANDANGO CREEK	SE	NW	11	19N	66E	435.00	AFA	435.00		SOUTHERN NEVADA WATER AUTHORITY	
4043	1928	STR	KALAMAZOO CREEK	NE	SE	27	19N	66E	870.00	AFA	870.00		SOUTHERN NEVADA WATER AUTHORITY	
4171	1981	SPR	LAYTON SPRING	NW	SE	04	14N	67E	14.33	AFA	14.33		ROBISON BROTHERS	

## Appendix B

## List of Water Rights and Owners of Record

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
4418	660	STR	WILLIAMS CREEK	NE	SE	32	13N	68E	1,349.70	AFA	1,349.70		SOUTHERN NEVADA WATER AUTHORITY	
4951	1209	STR	NEGRO ABE CREEK	SE	SE	29	21N	66E	25.08	AFA	25.08		BUNDY, CLARENCE A. & M. JOSPHINE	
5028	1541	SPR	FOUR MILE SPRINGS	SE	NW	27	17N	68E	24.00	AFA	24.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
5143	517	STR	COTTONWOOD STREAM	NE	NE	27	09N	67E	10.86	AFA	10.86		DOLAN, PHILIP J. (1/8); GIBEAUT, F.A. (1/4); HUFF, CLARK (1/4); MURRAY SHEEP CO. (1/4); AND SOUTHERN NEVADA WATER AUTHORITY (1/8)	ROC on file for the COLE FAMILY TRUST
5247	PER	STR	MUNCY CREEK	NW	SW	15	20N	66E	201.64	AFA	201.64		GEORGE ELDRIDGE & SON, INC.	
5308	603	SPR	LOWER LUNCH VALLEY SPRING	SE	SE	29	21N	69E	7.24	AFA	7.24		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
5499	562	STR	DRY GULCH	NE	SE	12	14N	67E	1,206.63	AFA	1,206.63		LESTER, VIRGINIA BOWEN (3/72); OSTLUND, ROBERT E. (61/72) AND WHITE, MARY MACCLAREN COGHLAN (8/72)	
5546	714	SPR	WOODMAN SPRINGS	SW	SW	16	15N	68E	93.00	AFA	93.00		KAISER, KATHERINE A. & ROBERT G.	
5563	605	OSW	LOWS CANON	SE	SW	17	21N	69E	5.92	AFA	5.92		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
5571	11720	SPR	SHARPE CREEK	NE	NW	14	24N	66E	8.68	AFA	8.68		NEVADA LAND & RESOURCE CO LLC	
5691	1325	STR	SLOUGH IN SPRING VALLEY	SE	SE	33	17N	67E	919.00	AFA	919.00		GEORGE ELDRIDGE & SON, INC.	
5713	797	SPR	GRANITE SPRING	NW	NW	32	16N	68E	3.65	AFA	3.65		ROGERS, G.W. & H.T.	
5923	1280	STR	EIGHT MILE CREEK	NW	SW	27	18N	68E	306.00	AFA	306.00		GEORGE ELDRIDGE & SON, INC.	
6074	1038	SPR	BASIN SPRING	NW	SW	02	17N	68E	8.96	AFA	8.96		YELLAND, LOUIS A.	
6075	1037	SPR	COTTONWOOD SPRING	SW	NE	22	18N	68E	9.73	AFA	9.73		GEORGE ELDRIDGE & SON, INC.	
6290	1045	SPR	LOWER CALLAHAN SPRING	SW	SW	25	22N	68E	7.12	AFA	7.12		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
6360	PER	SPR	VAN EMON SPRINGS	SW	SW	21	21N	69E	640.00	AFA	640.00		DOUTRE, STEVE	
6503	1296	SPR	LIME ROCK SPRING	NW	SW	13	13N	65E	1.50	AFA	1.50		ROBISON BROTHERS	
6632	1378	UG		NW	NW	07	19N	69E	17.03	AFA	17.03		GEORGE ELDRIDGE & SON, INC.	
6754	1623	SPR	MUD SPRING	NW	SE	30	17N	67E	195.00	AFA	195.00		CAZIER, JAMES	
6808	1501	SPR	LOST SPRING	NW	SW	20	24N	67E	2.18	AFA	2.18		NEVADA LAND & RESOURCE CO LLC	
6834	1211	STR	PINE CREEK	SE	SW	13	13N	67E	583.80	AFA	583.80		SOUTHERN NEVADA WATER AUTHORITY	
7097	1314	STR	NORTH CREEK	NE	SE	23	21N	65E	1.32	AFA	1.32		BEWS, HARRY	
7161	1950	SPR	SILVER PARK SPRINGS	SE	SE	20	07N	68E	1.69	AFA	169.00		MURRAY SHEEP CO.	
7419	1329	SPR	JACK SPRINGS	NE	SE	18	14N	68E	3.74	AFA	3.74		GEORGE S. ROBINSON & SONS	
7446	1515	UG		NE	NW	25	14N	66E	13.44	AFA	13.44		ROBISON BROTHERS	
7497	1618	UG		NE	NW	24	11N	66E	5.37	AFA	5.37		SOUTHERN NEVADA WATER AUTHORITY	
7700	1481	SPR	BASIN SPRINGS	NE	NE	25	12N	65E	11.82	AFA	11.82		ROBISON BROTHERS	
7701	1346	SPR	LOWER SPRING	SE	SE	19	21N	69E	17.92	AFA	17.92		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
7724	2170	STR	OSCEOLA CREEK	SE	NW	07	14N	68E	144.79	AFS	144.79		MARRIOTT, HENRY AND NICHOLSON, HENRY C.	Duty is conservatively estimated based on diversion rate.
7725	2171	STR	NEW MOON CREEK	NE	SW	07	14N	68E	59.37	AFS	59.37		MARRIOTT, HENRY AND NICHOLSON, HENRY C.	Duty is conservatively estimated based on diversion rate.
7847	2221	STR	PIERMONT CREEK	NW	SW	29	19N	66E	-	-	-		ELY CALUMET MINING CORPORATION	Nonconsumptive Hydroelectric Power
8074	1365	UG		NW	SE	35	11N	66E	26.91	AFA	26.91		CL CATTLE COMPANY LLC	

## Appendix B

## List of Water Rights and Owners of Record

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
8075	1366	UG		SE	SE	13	14N	66E	27.27	AFA	27.27		ADAMS MCGILL COMPANY	
8076	1367	UG		NE	NE	01	11N	66E	36.20	AFA	36.20		CL CATTLE COMPANY LLC	
8077	1368	UG		SW	SE	31	13N	67E	27.01	AFA	27.01		ROBISON, DOYLE C. & JAMES F.	
8104	2065	STR	MUNCY CREEK	NE	SE	15	20N	66E	3.74	AFA	3.74		NEVADA LAND & RESOURCE CO LLC	
8393	3213	STR	NEGRO CREEK	SE	NE	02	16N	67E	544.86	AFA	544.86		CORP. OF CHURCH OF LATTER-DAY SAINTS	Negro Creek Decree (Civil)
8396	2220	STR	PIERMONT CREEK	NW	SW	29	19N	66E	112.94	AFA	112.94		ELY CALUMET MINING CORPORATION	
8525	2409	SPR	PIPE SPRING	SW	SE	03	08N	67E	5.98	AFA	5.98		SOUTHERN NEVADA WATER AUTHORITY	
8542	1720	UG		NE	NE	13	19N	67E	17.92	AFA	17.92		GEORGE ELDRIDGE & SON, INC.	
8547	2263	SPR	MUD SPRING	NW	SW	04	22N	65E	5.40	AFA	5.40		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
8701	2626	UG		SW	SW	01	18N	67E	8.96	AFA	8.96		GEORGE ELDRIDGE & SON, INC.	
8713	2410	UG		NE	NE	16	10N	67E	9.42	AFA	9.42		SWALLOW, GEORGE N. & RICHARD M.	
8721	2509	SPR	SOUTH MILLICK SPRING	SE	SW	25	17N	67E	14.49	AFA	14.49		CORP. OF CHURCH OF LATTER-DAY SAINTS	
8804	1967	STR	WILLARD CREEK	NE	NW	06	13N	68E	22.40	AFA	22.40		BAAL, JOHN MICHAEL JR.	
9435	2473	UG		NW	NE	26	20N	67E	10.25	AFA	10.25		GEORGE ELDRIDGE & SON, INC.	
10487	5042	STR	NEGRO CREEK	NE	NE	02	16N	67E	1,149.20	AFA	1,149.20		CORP. OF CHURCH OF LATTER-DAY SAINTS	Negro Creek Decree (Civil)
10510	2607	SPR	BRADSHAW SPRING	NW	NW	25	07N	68E	9.91	AFA	9.91		FRANCIS, DAVID AND WALKER, FRANK	
10703	8088	STR	BASTIAN CREEK (A.K.A. BASTION CREEK)	SE	NE	23	15N	66E	256.76	AFA	256.76		SOUTHERN NEVADA WATER AUTHORITY	
10710	4011	STR	MCCOY CREEK	NE	NW	02	17N	66E	1,240.00	AFA	1,240.00		SOUTHERN NEVADA WATER AUTHORITY	
10766	3182	STR	PIERMONT CREEK	SE	SE	22	19N	66E	1,210.20	AFA	1,210.20		SOUTHERN NEVADA WATER AUTHORITY	
10801	5202	STR	BIG MEADOW SLOUGH	SE	NW	28	17N	67E	277.17	AFA	277.17		MORIAH RANCHES INC	
10843	4870	STR	BASSETT CREEK SLOUGH	NE	SW	31	19N	67E	65.99	AFA	65.99		SOUTHERN NEVADA WATER AUTHORITY	
10921	3375	SPR	SOUTH MILLICK SPRING	SE	SE	23	17N	67E	570.73	AFA	570.73		GEORGE ELDRIDGE & SON, INC.	
10993	3376	SPR	NORTH MILLICK SPRING	NW	SE	24	17N	67E	433.62	AFA	433.62		GEORGE ELDRIDGE & SON, INC.	
11311	3125	UG		SW	SE	19	23N	66E	7.06	AFA	7.06		INTERMOUNTAIN RANCHES, LTD	
11313	3126	SPR	MOONSHINE SPRINGS	SE	NE	02	22N	65E	7.58	AFA	7.58		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
11314	3138	UG		SW	SW	05	22N	66E	6.54	AFA	6.54		INTERMOUNTAIN RANCHES, LTD	
11354	3127	UG		NE	NE	10	20N	67E	26.42	AFA	26.42		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
11355	3075	UG		SE	SE	07	23N	66E	2.88	AFA	2.88		HENRIOD, EUGENE A.	
12467	3702	UG		NE	SE	12	11N	67E	72.36	AFA	72.36		MINERVA SCHEELITE MINING CO.	
12571	4946	SPR	BACON SPRING	SW	NE	21	15N	68E	65.00	AFA	65.00		ELDRIDGE, DAVID J.; ELDRIDGE, DAVID J. & HELEN; AND ROGERS, H.T.	
13457	4236	STR	NORTH GARDEN CREEK	SE	SE	15	18N	66E	613.90	AFA	613.90		GEORGE ELDRIDGE & SON, INC.	
13652	4159	SPR	SPRING HILL	NW	NW	21	15N	68E	8.00	AFA	8.00		BERGER, ALFRED R. & TREVA L.	
15812	4808	STR	SHINGLE CREEK	NW	NE	13	13N	67E	640.00	AFA	640.00		SOUTHERN NEVADA WATER AUTHORITY	
16890	4672	UG		SW	NE	05	13N	66E	72.36	AFA	72.36		PIERCE, L.L. & RACHEL	
17017	4673	STR	WILLARD CREEK	-	LT03	06	13N	68E	97.00	AFA	97.00		BAAL, JOHN MICHAEL JR.	
17163	4810	STR	SHINGLE CREEK	NW	NE	22	13N	67E	320.00	AFA	320.00		SOUTHERN NEVADA WATER AUTHORITY	
18043	5490	UG		SW	SW	31	12N	67E	4.48	AFA	4.48		CL CATTLE COMPANY LLC	
18044	5672	UG		NW	NW	06	11N	67E	4.48	AFA	4.48		CL CATTLE COMPANY LLC	
18045	5491	UG		NW	SE	35	11N	66E	8.96	AFA	8.96		CL CATTLE COMPANY LLC	

**Appendix B**

**List of Water Rights and Owners of Record**

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
18183	5649	SPR	VIOLET SPRINGS	NE	NW	25	14N	67E	241.98	AFA	241.98		HUNTINGTON, GLEN	
18524	6138	UG		NE	NE	26	12N	67E	21.16	AFA	21.16		SOUTHERN NEVADA WATER AUTHORITY	
18525	6992	UG		SE	SW	24	12N	67E	57.85	AFA	1,113.30	18525, 25679, 25680, 30319	SOUTHERN NEVADA WATER AUTHORITY	
18828	5492	UG		NE	NW	13	12N	67E	4.48	AFA	4.48		SOUTHERN NEVADA WATER AUTHORITY	
18829	5493	UG		SE	NW	24	12N	67E	4.48	AFA	4.48		SOUTHERN NEVADA WATER AUTHORITY	
18830	5494	UG		NE	NW	27	12N	67E	4.48	AFA	4.48		SOUTHERN NEVADA WATER AUTHORITY	
18841	5673	UG		NW	SE	20	15N	67E	8.96	AFA	8.96		NEVADA LAND & RESOURCE CO LLC	
18842	5674	UG		NW	NE	32	15N	67E	8.96	AFA	8.96		NEVADA LAND & RESOURCE CO LLC	
18843	5675	UG		SW	NE	29	15N	67E	8.96	AFA	8.96		NEVADA LAND & RESOURCE CO LLC	
19435	7800	RES	MUNCY CREEK (FLOOD WATERS)	NW	SW	24	20N	66E	54.00	AFA	54.00		ELDRIDGE, DELBERT D.	
19436	7805	RES	SPRING VALLEY WASH (FLOOD WATERS)	NE	SE	13	20N	66E	25.00	AFA	25.00		ELDRIDGE, DELBERT D.	
19654	6449	UG		SE	SE	31	13N	67E	575.83	AFA	575.83		SOUHTERN NEVADA WATER AUTHORITY	
20817	6777	UG		NE	NE	21	13N	67E	640.00	AFA	2,534.70	20817, 26228, 26229, 26546, 26952, 26953, 34727, 78107	SOUTHERN NEVADA WATER AUTHORITY	
20895	7560	STR	PIERMONT CREEK	SW	SE	25	19N	66E	554.32	AFA	554.32		SOUTHERN NEVADA WATER AUTHORITY	
21220	6505	STR	TAFT CREEK	SW	NE	15	17N	66E	721.00	AFA	721.00		ANDRAE, ARTHUR J.	
21687	6506	STR	TAFT CREEK	SW	NE	15	17N	66E	1,540.00	AFA	1,540.00		ANDRAE, ARTHUR J.	
21688	6507	STR	SOUTH TAFT CREEK	NW	NW	23	17N	66E	1,540.00	AFA	1,540.00		ANDRAE, ARTHUR J.	
21832	5817	SPR	CACHE SPRING	SE	SW	08	15N	68E	0.68	AFA	0.68		ELDRIDGE, DAVID & HELEN	
22545	7571	STR	WILLARD CREEK	NE	SW	15	13N	67E	640.00	AFA	640.00		SOUTHERN NEVADA WATER AUTHORITY	
22645	8112	UG		NE	SW	12	12N	67E	60.00	AFA	317.72	22645, 45287	SOUTHERN NEVADA WATER AUTHORITY	
24260	8030	SPR	HUB SPRING	SW	NW	28	13N	68E	5.65	AFA	5.65		CRAWFORD, GLEN	
25439	9213	UG		NE	NE	34	13N	67E	240.00	AFA	240.00		SOUHTERN NEVADA WATER AUTHORITY	
25678	9294	STR	LINCOLN CREEK	SE	NE	27	12N	68E	630.24	AFA	630.24		SOUTHERN NEVADA WATER AUTHORITY	
25679	9295	UG		NE	SE	24	12N	67E	630.24	AFA	-	18525, 25679, 25680, 30319	SOUTHERN NEVADA WATER AUTHORITY	
25680	9296	UG		NE	NE	24	12N	67E	630.24	AFA	-	18525, 25679, 25680, 30319	SOUTHERN NEVADA WATER AUTHORITY	
26228	8363	UG		NE	SE	16	13N	67E	239.00	AFA	-	20817, 26228, 26229, 26546, 26952, 26953, 34727, 78107	SOUTHERN NEVADA WATER AUTHORITY	
26229	8364	UG		SE	SW	15	13N	67E	157.68	AFA	-	20817, 26228, 26229, 26546, 26952, 26953, 34727, 78107	SOUTHERN NEVADA WATER AUTHORITY	
26502	9300	UG		SE	NE	22	13N	67E	73.48	AFA	73.48		RASMUSSEN, JAMES B. AND SOUTHERN NEVADA WATER AUTHORITY	
26546	8365	UG		NE	NW	22	13N	67E	157.68	AFA	-	20817, 26228, 26229, 26546, 26952, 26953, 34727, 78107	SOUTHERN NEVADA WATER AUTHORITY	

**Appendix B**

**List of Water Rights and Owners of Record**

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
26952	8366	UG		NE	NW	22	13N	67E	239.00	AFA	-	20817, 26228, 26229, 26546, 26952, 26953, 34727, 78107	SOUTHERN NEVADA WATER AUTHORITY	
26953	8367	UG		SE	SW	15	13N	67E	239.00	AFA	-	20817, 26228, 26229, 26546, 26952, 26953, 34727, 78107	SOUTHERN NEVADA WATER AUTHORITY	
27378	8357	UG		NE	NW	14	19N	66E	1,266.64	AFA	1,266.64		SOUTHERN NEVADA WATER AUTHORITY	
27739	9772	STR	SPRING CREEK	NW	NE	32	13N	68E	823.24	AFA	823.24		SOUTHERN NEVADA WATER AUTHORITY	
27740	9773	STR	PINE CREEK	NE	SE	18	13N	68E	753.80	AFA	753.80		SOUTHERN NEVADA WATER AUTHORITY	
27741	9774	SPR	RAISED SPRING (A.K.A. RAY SPRING)	NW	SW	20	13N	68E	361.99	AFA	361.99		SOUTHERN NEVADA WATER AUTHORITY	
27742	9775	STR	RIDGE CREEK	NE	SE	18	13N	68E	753.80	AFA	753.80		SOUTHERN NEVADA WATER AUTHORITY	
27743	9743	STR	SWALLOW CREEK	SW	SW	04	11N	68E	12,348.30	AFA	12,348.30		SOUTHERN NEVADA WATER AUTHORITY	
27768	8979	UG		SW	NE	02	12N	67E	20.01	AFA	20.01		WILDLIFE DEPARTMENT-NEVADA	
27901	9776	STR	HUB BASIN DRAINAGE	NW	SE	29	13N	68E	823.24	AFA	823.24		SOUTHERN NEVADA WATER AUTHORITY	
27902	9744	SPR	UNNAMED SPRING	NE	SW	05	11N	68E	66.00	AFA	66.00		SOUTHERN NEVADA WATER AUTHORITY	
28653	10020	UG		SE	NE	34	13N	67E	1.20	AFA	1.20		SOUTHERN NEVADA WATER AUTHORITY	
28790	9777	SPR	UNNAMED SPRINGS	NE	NE	35	13N	67E	144.88	AFA	144.88		SOUTHERN NEVADA WATER AUTHORITY	
28818	9023	STR	GORDON CREEK	NW	SE	25	18N	66E	243.08	AFA	243.08		GEORGE ELDRIDGE & SON, INC.	
29162	10107	STR	SHINGLE CREEK	NW	NE	13	13N	67E	1,036.68	AFA	1,036.68		SOUTHERN NEVADA WATER AUTHORITY	
29219	8875	UG		SW	SE	26	13N	67E	1,561.12	AFA	1,561.12	29219, 29220, 29221	SOUTHERN NEVADA WATER AUTHORITY AND TRUSCHKE, MARIANNE	
29220	8876	UG		SE	NW	26	13N	67E	1,367.97	AFA	-	29219, 29220, 29221	SOUTHERN NEVADA WATER AUTHORITY AND TRUSCHKE, MARIANNE	
29221	8877	UG		SE	NW	26	13N	67E	1,049.76	AFA	-	29219, 29220, 29221	SOUTHERN NEVADA WATER AUTHORITY AND TRUSCHKE, MARIANNE	
29371	10328	UG		SW	SW	22	14N	67E	803.40	AFA	803.40	29371, 29567	GOLDEN EAGLE MINING, INC.	
29567	10329	UG		SW	SW	22	14N	67E	699.95	AFA	-	29371, 29567	GOLDEN EAGLE MINING, INC.	
30319	10725	UG		SW	SE	24	12N	67E	730.73	AFA	-	18525, 25679, 25680, 30319	SOUTHERN NEVADA WATER AUTHORITY	
31239	10334	UG		NW	SE	15	14N	67E	177.43	AFA	177.43		MOYLE, LANE	
34704	PER	STR	LINCOLN CREEK & TRIBUTARIES (FLOOD WATERS ONLY)	NW	SE	29	12N	68E	1,760.00	AFA	1,760.00		SOUTHERN NEVADA WATER AUTHORITY	
34727	11889	UG		NW	NE	22	13N	67E	804.78	AFA	-	20817, 26228, 26229, 26546, 26952, 26953, 34727, 78107	SOUTHERN NEVADA WATER AUTHORITY	
38972	11632	UG		NW	NE	35	13N	67E	768.48	AFA	768.48		SOUTHERN NEVADA WATER AUTHORITY	
39455	10441	UG		SW	SW	13	12N	67E	14.49	AFA	14.49		SOUTHERN NEVADA WATER AUTHORITY	
39817	PER	UG		SE	SW	13	18N	66E	1,200.00	AFA	1,200.00		GEORGE ELDRIDGE & SON, INC.	
39818	PER	UG		SE	SE	24	18N	66E	3,440.00	AFA	3,440.00		GEORGE ELDRIDGE & SON, INC.	
45287	11017	UG		NE	SW	12	12N	67E	312.80	AFA	-	22645, 45287	SOUTHERN NEVADA WATER AUTHORITY	
45496	11965	UG		SE	NW	23	08N	68E	86.24	AFA	86.24		OKELBERRY, RAY	
46790	13034	OGW		NE	NE	07	14N	68E	5.06	AFA	5.06		HUCKALEY, LESTER VERNON	

## Appendix B

## List of Water Rights and Owners of Record

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
46973	12667	SPR	SPRING #7	SE	NW	07	14N	68E	167.24	AFA	167.24		OSTLUND, ROBERT E.	
46975	13925	SPR	SPRING #9	-	LT37	07	14N	68E	123.80	AFA	123.80		OSTLUND, ROBERT	
46978	14935	SPR	JACK SPRING	NE	SE	18	14N	68E	277.18	AFA	277.18		OSTLUND, ROBERT	
47352	14240	SPR	WHITE FIRE SPRING	NW	NE	25	14N	67E	0.21	AFA	0.21		SALISBURY, FRED	
48724	12339	SPR	UNNAMED SPRING	NW	NE	15	10N	68E	4.51	AFA	4.51		SOUTHERN NEVADA WATER AUTHORITY	
50772	14454	STR	WILLARD CREEK	NW	NW	12	13N	67E	752.76	AFA	752.76		SOUTHERN NEVADA WATER AUTHORITY	
54204	PER	UG		NW	NE	19	16N	67E	2,082.30	AFA	2,082.30	54204, 54205	CORP. OF CHURCH OF LATTER-DAY SAINTS	
54205	PER	UG		SE	SW	13	16N	66E	2,082.30	AFA	-	54204, 54205	CORP. OF CHURCH OF LATTER-DAY SAINTS	
55363	PER	SPR	UNNAMED SPRING #1	SW	SW	01	18N	66E	160.00	AFA	160.00		SOUTHERN NEVADA WATER AUTHORITY	
55364	PER	SPR	UNNAMED SPRING #2	NE	SW	01	18N	66E	160.00	AFA	160.00		SOUTHERN NEVADA WATER AUTHORITY	
55365	PER	SPR	UNNAMED SPRING #3	NE	SW	01	18N	66E	160.00	AFA	160.00		SOUTHERN NEVADA WATER AUTHORITY	
56049	PER	UG		SE	NW	24	19N	66E	720.00	AFA	720.00		GEORGE ELDRIDGE & SON, INC.	
56050	PER	UG		SE	NE	31	18N	68E	240.00	AFA	240.00		GEORGE ELDRIDGE & SON, INC.	
56051	PER	UG		SE	NE	26	19N	66E	240.00	AFA	240.00		GEORGE ELDRIDGE & SON, INC.	
56236	16462	SPR	UNNAMED SPRING	SW	SW	21	21N	69E	1.03	AFA	1.03		WESTLAND-RE, LLC (63.49%) AND NW, LLC (36.51%)	
58302	PER	UG		SE	NE	21	14N	67E	302.44	AFA	302.44		MINEL, INC.	
60086	PER	UG		SW	NE	02	12N	67E	7.57	AFA	7.57		BUREAU OF LAND MANAGEMENT	
60104	16135	UG		NW	SE	16	13N	67E	2.26	AFA	2.26		SOUTHERN NEVADA WATER AUTHORITY	
63532	PER	UG		SE	NE	13	12N	67E	620.00	AFA	2,264.67	63532, 63533, 71525, 71526, 71603, 74274	SOUTHERN NEVADA WATER AUTHORITY	
63533	PER	UG		NE	SE	13	12N	67E	620.00	AFA	-	63532, 63533, 71525, 71526, 71603, 74274	SOUTHERN NEVADA WATER AUTHORITY	
65641	PER	UG		SE	SE	17	15N	68E	2.24	AFA	2.24		FAVA, PAUL & SHEILA AND RUSSELL, ROBERT & LOLITA	
66734	16910	SPR	SPRING HILL SPRING	NW	NW	21	15N	68E	11.28	AFA	11.28		FILLMAN, PATRICK D. & KRISTINE K.	
71525	PER	UG		SE	NE	13	12N	67E	263.53	AFA	-	63532, 63533, 71525, 71526, 71603, 74274	SOUTHERN NEVADA WATER AUTHORITY	
71526	PER	UG		SE	NE	13	12N	67E	542.98	AFA	-	63532, 63533, 71525, 71526, 71603, 74274	SOUTHERN NEVADA WATER AUTHORITY	
71603	PER	UG		SE	SE	12	12N	67E	263.53	AFA	-	63532, 63533, 71525, 71526, 71603, 74274	SOUTHERN NEVADA WATER AUTHORITY	
71840	PER	UG		NE	NW	13	20N	66E	1,120.00	AFA	1,120.00		GEORGE ELDRIDGE & SON, INC.	
72643	PER	UG		SW	NE	21	15N	68E	4.04	AFA	4.04		GIANOLI, JOHN C. & JULIE A. AND GUST, J. TERRY & SALLY L.	
74274	PER	UG		SE	SE	12	12N	67E	544.33	AFA	-	63532, 63533, 71525, 71526, 71603, 74274	SOUTHERN NEVADA WATER AUTHORITY	
77126	PER	SPR	VAN EMON SPRING #1	NE	NE	20	21N	69E	0.35	AFA	-		TILMAN, PAUL F.	
77383	PER	UG		-	LT6	02	12N	67E	10.86	AFA	10.86		BUREAU OF LAND MANAGEMENT	
77384	PER	UG		SW	NE	02	12N	67E	19.55	AFA	19.55		BUREAU OF LAND MANAGEMENT	
77583	PER	SPR	UNNAMED SPRING	NW	NE	15	22N	65E	4.30	AFA	4.30		THE BURKE FAMILY TRUST	
77714	PER	STR	SHINGLE CREEK	NW	NE	13	13N	67E	0.92	AFA	0.92		SOUTHERN NEVADA WATER AUTHORITY	

**Appendix B**

**List of Water Rights and Owners of Record**

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
78107	PER	UG		SW	SE	14	13N	67E	1,080.00	AFA	-	20817, 26228, 26229, 26546, 26952, 26953, 34727, 78107	SOUTHERN NEVADA WATER AUTHORITY	
R05269	RES	SPR	4WD SPRING	SE	NW	30	15N	67E	3.59	AFA	3.59		BUREAU OF LAND MANAGEMENT	
R05272	RES	SPR	UNNAMED SPRING	SE	NW	30	15N	67E	67.24	AFA	67.24		BUREAU OF LAND MANAGEMENT	
R05273	RES	SPR	SPRING CREEK SPRINGS	SE	SE	30	13N	67E	2.15	AFA	2.15		BUREAU OF LAND MANAGEMENT	
R05274	RES	SPR	UNNAMED SPRING	SE	NW	24	13N	67E	1.84	AFA	1.84		BUREAU OF LAND MANAGEMENT	
R05276	RES	SPR	DEER SPRING	NE	SW	26	09N	67E	5.77	AFA	5.77		BUREAU OF LAND MANAGEMENT	
R05278	RES	SPR	UNNAMED SPRING	NW	NW	30	15N	67E	67.24	AFA	67.24		BUREAU OF LAND MANAGEMENT	
R05279	RES	SPR	UNNAMED SPRING	SE	NW	04	15N	67E	7.95	AFA	7.95		BUREAU OF LAND MANAGEMENT	
R05280	RES	SPR	UNNAMED SPRING	SW	SW	04	15N	67E	7.95	AFA	7.95		BUREAU OF LAND MANAGEMENT	
R05281	RES	SPR	ROCK SPRING	SW	NW	08	15N	68E	8.10	AFA	8.10		BUREAU OF LAND MANAGEMENT	
R05282	RES	SPR	UNNAMED SPRING	NW	SE	08	15N	68E	30.38	AFA	30.38		BUREAU OF LAND MANAGEMENT	
R05283	RES	SPR	UNNAMED SPRING	NE	NE	08	15N	68E	30.38	AFA	30.38		BUREAU OF LAND MANAGEMENT	
R05284	RES	SPR	UNNAMED SPRING	SE	NE	08	15N	68E	30.38	AFA	30.38		BUREAU OF LAND MANAGEMENT	
R05285	RES	SPR	UNNAMED SPRING	NW	SW	08	15N	68E	30.38	AFA	30.38		BUREAU OF LAND MANAGEMENT	
R05286	RES	SPR	UNNAMED SPRING	NW	NW	17	15N	68E	30.38	AFA	30.38		BUREAU OF LAND MANAGEMENT	
R05287	RES	SPR	UNNAMED SPRING	NE	NW	22	16N	66E	20.25	AFA	20.25		BUREAU OF LAND MANAGEMENT	
R05288	RES	SPR	UNNAMED SPRING	NW	NW	22	16N	66E	20.25	AFA	20.25		BUREAU OF LAND MANAGEMENT	
R05289	RES	SPR	UNNAMED SPRING	SW	SW	22	16N	66E	39.07	AFA	39.07		BUREAU OF LAND MANAGEMENT	
R05290	RES	SPR	INDIAN SPRING	SW	SW	14	16N	66E	20.25	AFA	20.25		BUREAU OF LAND MANAGEMENT	
R05291	RES	SPR	UNNAMED SPRING	NW	NW	15	16N	67E	5.77	AFA	5.77		BUREAU OF LAND MANAGEMENT	
R05292	RES	SPR	UNNAMED SPRING	SE	SW	32	16N	67E	7.95	AFA	7.95		BUREAU OF LAND MANAGEMENT	
R05293	RES	SPR	UNNAMED SPRING	NE	NW	32	16N	67E	7.95	AFA	7.95		BUREAU OF LAND MANAGEMENT	
R05294	RES	SPR	UNNAMED SPRING	NE	SW	32	16N	67E	7.95	AFA	7.95		BUREAU OF LAND MANAGEMENT	
R05295	RES	SPR	UNNAMED SPRING	NE	NW	25	16N	67E	7.95	AFA	7.95		BUREAU OF LAND MANAGEMENT	
R09418	RES	SPR	TWIN SPRINGS	SE	NE	10	22N	65E	1.09	AFA	1.09		BUREAU OF LAND MANAGEMENT	
V00714	VST	STR	WILLIAMS CREEK	-	NW	35	13N	67E	140.00	AFS	140.00		RAMSEY, E.G.	
V00767	VST	STR	EIGHT MILE CREEK	NW	SW	27	18N	68E	120.00	AFS	120.00		YELLAND, JOHN AND MR. STARKWEATHER	
V00789	VST	STR	NORTH GARDEN CREEK	-	NW	01	18N	66E	-	-	-		MCGILL, WM.	No information in claim as to duty
V00790	VST	STR	CLEVELAND CREEK	NW	NW	25	16N	66E	10,847.70	AFA	10,847.70		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V00791	VST	STR	GARDEN CREEK AND MCCOY CREEK	NW	SE	01	17N	66E	6,375.45	AFA	6,375.45		SOUTHERN NEVADA WATER AUTHORITY	
V00802	VST	STR	INDIAN SPRINGS DITCH	NE	NW	15	09N	67E	10.56	AFS	10.56		HYDE, J.A.	Duty is conservatively estimated by number of animals over season.
V01023	VST	SPR	SMITH CANON SPRING	SE	SW	07	21N	69E	5.62	AFA	5.62		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
V01024	VST	SPR	LUNCH VALLEY SPRING	SW	NW	34	21N	69E	6.26	AFA	6.26		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
V01026	VST	STR	DRY CREEK	NE	NE	12	12N	67E	16.00	AFS	16.00		SWALLOW, GEORGE	
V01069	VST	STR	MIKE SPRING	NE	NW	34	20NH	69E	11.97	AFA	11.97		BLM AND ELDRIDGE, GEORGE H.	
V01080	VST	STR	NEGRO CREEK AND TRIBUTARIES	NW	NE	16	16N	68E	266.52	AFA	266.52		CORP. OF CHURCH OF LATTER-DAY SAINTS	Negro Creek Decree (Civil)



## Appendix B

## List of Water Rights and Owners of Record

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
V01081	VST	SPR	GRASS VALLEY SPRINGS	SE	NW	13	21N	68E	11.20	AFA	11.20		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
V01125	VST	SPR	VIOLET SPRINGS	NE	NW	25	14N	67E	-	-	-		TILFORD, T. B.	No information in claim as to duty
V01176	VST	SPR	LONG SPRINGS	NE	SE	28	23N	66E	34.53	AFS	34.53		SELLAS, WILLIAM	
V01180	VST	SPR	SHARP CANON	SE	SE	06	24N	67E	5.52	AFS	5.52		NEVADA LAND & RESOURCE CO LLC	
V01181	VST	SPR	MIDDLE CANON	NE	NW	32	20N	66E	5.52	AFS	5.52		NEVADA LAND & RESOURCE CO LLC	
V01194	VST	SPR	GARDEN SPRINGS	SW	NE	09	22N	66E	18.08	AFA	18.08		BEWS, HARRY	
V01195	VST	SPR	DIPPING SPRINGS	SE	SE	15	22N	66E	18.11	AFA	18.11		BEWS, HARRY	
V01213	VST	STR	NORTH GARDEN CREEK	SE	NE	14	18N	66E	1,280.00	AFA	1,280.00		GEORGE ELDRIDGE & SON, INC.	
V01214	VST	STR	GARDEN CREEK	NW	SE	26	18N	66E	2,000.00	AFA	2,000.00		GEORGE ELDRIDGE & SON, INC.	
V01215	VST	STR	MCCOY CREEK	NW	SE	01	17N	66E	6,400.00	AFA	6,400.00		SOUTHERN NEVADA WATER AUTHORITY	
V01216	VST	STR	BASTIAN CREEK (A.K.A. BASTION CREEK)	NE	SW	24	15N	66E	400.00	AFA	400.00		ADAMS MCGILL COMPANY	
V01217	VST	STR	CLEVELAND CREEK	SE	NW	24	16N	66E	12,000.00	AFA	12,000.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V01218	VST	STR	STEPHEN CREEK	NE	NW	06	16N	67E	4,800.00	AFA	4,800.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V01219	DEC	STR	BASSETT CREEK	SE	NW	02	18N	66E	1,804.26	AFA	1,804.26		GEORGE ELDRIDGE & SON, INC.	Bassett Creek Decree
V01614	VST	SPR	JACKS SPRING AND FLOOD WATERS	NW	SE	12	14N	67E	-	AFA	-		BOWEN, ALBERT S.(1/6); BOWEN, HUGH W. (1/6); BOWEN, LUELLA VIRGINIA(1/6); BOWEN, WILLIAM EDWARD(1/6); COGHLAN, LEONA WEST BOWEN(1/6); KENT, VIRGINIA BOWEN (1/6)	Duty in claim described as "All" from the source
V01634	VST	SPR	CRYSTAL SPRING	SE	NW	10	22N	65E	3.87	AFA	3.87		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
V01637	VST	SPR	CONNORS SPRING	NE	SW	14	13N	65E	4.48	AFS	4.48		SOUTHERN NEVADA WATER AUTHORITY	
V01648	VST	STR	EIGHT MILE CREEK	NW	SW	27	18N	68E	300.00	AFA	300.00		GEORGE ELDRIDGE & SON, INC.	
V01665	VST	SPR	SPRING VALLEY SPRING	NE	SE	35	12N	65E	9.36	AFA	9.36		CARTER, A. N. & LAFAYETTE; GUBLER, ERNEST; KERR, D. R.; KIRKEBY, ALBIN C.; ROBISON, LESTER J.; SWALLOW BROS.; HECKETHORN, W.S.; AND PEACOCK BROS.	
V01669	VST	SPR	BENNET SPRING	SE	SW	02	12N	65E	7.49	AFA	7.49		CL CATTLE COMPANY LLC	
V01686	VST	STR	SIEGEL CREEK	NE	NW	01	21N	65E	179.60	AFA	179.60		DOUTRE, JAMES	
V01728	VST	SPR	WHITE ROCK SPRING	SW	SE	32	07N	68E	7.37	AFA	7.37		GEYSER RANCH, LLC	
V01764	VST	STR	BIPONT CREEK	NE	SW	30	17N	67E	40.00	AFA	40.00		CASIER, ELAINE E. & JAMES B.	
V01778	VST	SPR	DOLAN'S TRAP SPRING	SW	NW	27	24N	65E	10.74	AFA	10.74		B ENTERPRISES, LP (82.5%) AND GARDNER, GEORGE L. & LAREE (17.5%)	
V01779	VST	SPR	UPPER SPRING GULCH SPRINGS NOS. 1, 2, & 3	NW	SW	17	23N	65E	5.68	AFA	5.68		HENRIOD, EUGENE A.	
V01781	VST	SPR	COLD SPRING	SE	NE	18	23N	65E	10.74	AFA	10.74		HENRIOD, EUGENE A.	
V01782	VST	SPR	SIDE HILL SPRINGS	SW	SE	07	23N	65E	10.74	AFA	10.74		HENRIOD, EUGENE A.	
V01783	VST	SPR	BASIN SPRING	NE	NW	07	23N	65E	7.24	AFS	7.24		HENRIOD, EUGENE A.	Duty is conservatively estimated by number of animals over season.
V01969	VST	STR	MUNCY CREEK	NW	NW	15	20N	66E	400.00	AFA	400.00		GEORGE ELDRIDGE & SON, INC.	
V02077	VST	SPR	WILLARD SPRINGS	SW	SE	29	14N	67E	11.20	AFA	11.20		ROBISON, DOYLE C.	
V02078	VST	STR	BASTIAN CREEK (A.K.A. BASTION CREEK)	NW	NW	23	15N	66E	11.20	AFA	11.20		ADAMS MCGILL COMPANY	

## Appendix B

## List of Water Rights and Owners of Record

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
V02222	VST	SPR	MUD SPRING	NW	NE	26	23N	66E	6.08	AFA	6.08		SELLAS, GUST T.	
V02223	VST	SPR	LONG SPRINGS	NW	NE	02	22N	66E	6.05	AFA	6.05		SELLAS, WILLIAM	
V02286	VST	STR	MUNCY CREEK	SW	NW	16	20N	66E	78.68	AFA	78.68		CLARK, ALONZO	
V02305	DEC	STR	KALAMAZOO CREEK	NW	NE	34	20N	66E	877.20	AFA	877.20		SOUTHERN NEVADA WATER AUTHORITY	Kalamazoo Creek Decree
V02329	VST	SPR	SPRING GULCH LOWER SPRING	SW	SE	13	23N	65E	20.90	AFA	20.90		NEVADA LAND & RESOURCE CO LLC	
V02332	DEC	STR	KALAMAZOO CREEK	SW	SE	28	20N	66E	517.56	AFA	517.56		GEORGE ELDRIDGE & SON, INC.	Kalamazoo Creek Decree
V02804	DEC	STR	ODGERS CREEK	SW	SW	24	18N	66E	904.62	AFA	904.62		SOUTHERN NEVADA WATER AUTHORITY	Odgers Creek Decree
V02805	DEC	STR	PIERMONT CREEK	NE	NE	26	19N	66E	629.85	AFA	629.85		SOUTHERN NEVADA WATER AUTHORITY	Piermont Creek Decree
V02807	DEC	STR	ODGERS CREEK	NE	NW	29	18N	66E	1.50	AFA	1.50		UNITED STATES FOREST SERVICE	Odgers Creek Decree
V02808	DEC	STR	PIERMONT CREEK	SE	NE	01	18N	65E	1.50	AFA	1.50		UNITED STATES FOREST SERVICE	Piermont Creek Decree
V02809	DEC	SPR	PIERMONT SPRING	NW	NE	28	19N	66E	1.50	AFA	1.50		UNITED STATES FOREST SERVICE	Piermont Creek Decree
V02817	VST	SPR	MURPHY SPRINGS	SE	NW	18	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02818	VST	SPR	BIG RESERVOIR SPRING NO. 1	NW	SE	18	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02819	VST	SPR	BIG RESERVOIR SPRING NO. 2	NE	SE	18	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02820	VST	SPR	BIG RESERVOIR SPRING NO. 3	SE	SE	18	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02821	VST	SPR	BIG RESERVOIR SPRING NO. 4	NE	NE	19	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02822	VST	SPR	BIG RESERVOIR SPRING NO. 5	SW	SW	17	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02823	VST	SPR	BIG RESERVOIR SPRING NO. 6	NW	NW	20	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02824	VST	SPR	BIG RESERVOIR SPRING NO. 7	NE	SE	19	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02825	VST	SPR	BIG RESERVOIR SPRING NO. 8	SE	NE	19	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02826	VST	SPR	BIG RESERVOIR SPRING NO. 9	SW	NW	20	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02827	VST	SPR	BIG RESERVOIR SPRING NO. 10	NW	SW	20	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02828	VST	SPR	BIG RESERVOIR SPRING NO. 11	SE	NW	20	16N	67E	9,600.00	AFA	9,600.00		CORP. OF CHURCH OF LATTER-DAY SAINTS	
V02834	VST	STR	PINE CREEK	NE	NW	16	13N	68E	2.30	AFS	2.30		UNITED STATES FOREST SERVICE	
V02835	VST	STR	SPRING CREEK	NE	NE	32	13N	68E	2.30	AFS	2.30		UNITED STATES FOREST SERVICE	
V02836	VST	STR	SWALLOW CREEK	SW	SE	03	11N	68E	2.30	AFS	2.30		UNITED STATES FOREST SERVICE	
V02837	VST	SPR	RAISED SPRING	SW	SE	20	13N	68E	2.30	AFS	2.30		UNITED STATES FOREST SERVICE	
V02838	VST	STR	RIDGE CREEK	NE	SW	16	13N	68E	2.30	AFS	2.30		UNITED STATES FOREST SERVICE	
V02842	VST	SPR	HUB BASIN SPRING	SW	NW	28	13N	68E	1.41	AFS	1.41		UNITED STATES FOREST SERVICE	
V02851	VST	SPR	RAISED SPRING AND TRIBUTARIES	SW	NE	26	13N	67E	529.60	AFA	529.60		SOUTHERN NEVADA WATER AUTHORITY	
V02852	VST	SPR	CORRAL SPRING AND TRIBUTARIES	NW	SW	25	13N	67E	574.40	AFA	574.40		SOUTHERN NEVADA WATER AUTHORITY	
V02853	VST	SPR	HUB BASIN AND TRIBUTARIES	SW	SE	30	13N	68E	600.80	AFA	600.80		SOUTHERN NEVADA WATER AUTHORITY	
V02854	VST	STR	SPRING CREEK AND TRIBUTARIES	SW	SE	30	13N	68E	659.60	AFA	659.60		SOUTHERN NEVADA WATER AUTHORITY	
V02855	VST	SPR	CABIN SPRING AND TRIBUTARIES	NW	NW	36	13N	67E	646.80	AFA	646.80		SOUTHERN NEVADA WATER AUTHORITY	
V02860	VST	STR	WILLIAMS CREEK	NW	NW	07	12N	68E	3,027.72	AFA	3,027.72		SOUTHERN NEVADA WATER AUTHORITY	
V02861	VST	STR	DRY CREEK	NE	NW	18	12N	68E	3,027.72	AFA	3,027.72		SOUTHERN NEVADA WATER AUTHORITY	
V02915	VST	SPR	UNNAMED SPRING	NW	NE	15	10N	68E	0.84	AFA	0.84		SOUTHERN NEVADA WATER AUTHORITY	
V03543	VST	SPR	CLEVE SPRING #2	SE	NW	36	17N	65E	2.27	AFS	2.27		UNITED STATES FOREST SERVICE	
V03549	VST	SPR	KRAFT SPRING #2	NW	SW	02	16N	66E	2.03	AFS	2.03		UNITED STATES FOREST SERVICE	
V03550	VST	SPR	PETES SPRING	SE	NE	12	16N	65E	1.99	AFS	1.99		UNITED STATES FOREST SERVICE	

**Appendix B**

**List of Water Rights and Owners of Record**

App	Status	Source	Source Description	QQ	Q	Sec	T	R	Duty	Units	TCD	UG TCD Group	Owner of Record	Notes
V03551	VST	SPR	NORTH CLEVE SPRING	NE	NW	08	16N	66E	2.03	AFS	2.03		UNITED STATES FOREST SERVICE	
V03554	VST	SPR	KRAFT SPRING #1	NE	NW	10	16N	65E	2.03	AFS	2.03		UNITED STATES FOREST SERVICE	
V03555	VST	SPR	LOWER PETE SPRING	NE	SE	12	16N	65E	2.03	AFS	2.03		UNITED STATES FOREST SERVICE	
V03556	VST	SPR	CLEVE SPRING #6	SE	NW	01	16N	65E	2.03	AFS	2.03		UNITED STATES FOREST SERVICE	
V03557	VST	SPR	CLEVE SPRING #5	SE	SW	36	17N	65E	2.27	AFS	2.27		UNITED STATES FOREST SERVICE	
V03558	VST	SPR	CLEVE SPRING #3	SW	SW	36	17N	65E	2.27	AFS	2.27		UNITED STATES FOREST SERVICE	
V03559	VST	SPR	CLEVE SPRING #1	SE	NW	36	17N	65E	2.27	AFS	2.27		UNITED STATES FOREST SERVICE	
V03560	VST	SPR	O'TOOLE SPRING	NW	NE	10	17N	66E	0.55	AFS	0.55		UNITED STATES FOREST SERVICE	
V03562	VST	SPR	BASIN SPRING	NE	SE	22	17N	66E	0.55	AFS	0.55		UNITED STATES FOREST SERVICE	
V03563	VST	SPR	SOUTH TAFT SPRING	SE	NE	22	17N	66E	0.55	AFS	0.55		UNITED STATES FOREST SERVICE	
V04722	VST	STR	HORSE CANYON CREEK	SW	NE	32	14N	68E	-	-	-		PONY EXPRESS MINING AND MILLING, INC.	No information in claim as to duty
V09643	VST	OSW	SNOW COVER	-	-	-	-	-	10.00	AFA	10.00		GEORGE ELDRIDGE & SON, INC.	
V09665	VST	SPR	YELAND SPRING #1	NE	NW	18	17N	67E	-	-	-		ANDRAE, ARTHUR & AUDRAE	Returned for Correction
V09666	VST	SPR	YELAND SPRING #2	SW	NW	18	17N	67E	-	-	-		ANDRAE, ARTHUR & AUDRAE	Returned for Correction
V09667	VST	SPR	YELAND SPRING #3	SE	NW	18	17N	67E	-	-	-		ANDRAE, ARTHUR & AUDRAE	Returned for Correction
V09668	VST	SPR	YELAND SPRING #4	NE	SW	18	17N	67E	-	-	-		ANDRAE, ARTHUR & AUDRAE	Returned for Correction
V09669	VST	SPR	YELAND SPRING #5	NE	NW	19	17N	67E	-	-	-		ANDRAE, ARTHUR & AUDRAE	Returned for Correction
V09670	VST	SPR	YELAND SPRING #6	NW	NW	19	17N	67E	-	-	-		ANDRAE, ARTHUR & AUDRAE	Returned for Correction
V09671	VST	SPR	YELAND SPRING #7	NE	NW	30	17N	67E	-	-	-		ANDRAE, ARTHUR & AUDRAE	Returned for Correction
V09672	VST	SPR	YELAND SPRING #8	SE	NE	19	17N	67E	-	-	-		ANDRAE, ARTHUR & AUDRAE	Returned for Correction
V09818	VST	SPR	SPRING	SE	NE	01	16N	65E	2.11	AFS	2.11		BLUE DIAMOND OIL COMPANY	

**APPENDIX C – SURFACE WATER MEASUREMENTS AND ESTIMATES**

**Contents**

<b>Explanation of Column Headings and Abbreviations</b>	<b>C-1</b>
<b>Table C1 - Streamflow Measurements and Methods Used to Estimate Average Annual Discharge</b>	<b>C-2</b>
<b>Table C2 - Spring Measurements and Methods Used to Estimate Average Annual Discharge</b>	<b>C-48</b>

## Explanation of Column Headings and Abbreviations for Appendix C

USGS SITE ID	The identification number for the location as issued by the U.S. Geological Survey.
STATION	The name of the measurement or gaging station.
DATA SOURCE	The name of the entity that collected and / or reported the data.
MEASURE DATE	The date of the measurement.
RATING CODE	A code assigned to the measurement assessing its accuracy. E = Excellent, F = Fair, G = Good, N = No Measurement, P = Poor, U = Unknown.
DISCHARGE	The discharge of a water source, spring or stream, expressed in cubic feet per second (cfs).
DISCHARGE $Q_a$	The measured discharge at a perennial stream station expressed in cubic feet per second (cfs).
AVERAGE DISCHARGE	The mean of available miscellaneous discharge measurements for a water source.
$Q_b$	The mean daily value for Cleve Creek discharge on the same data as the measurement for $Q_a$ , expressed in cubic feet per second (cfs).
$Q_M$	The annual mean discharge the USGS Cleve Creek Gage for a given year, expressed in cubic feet per second (cfs).
$Q_a / Q_b \times Q_M$	The formula by which the daily mean flow of an ungaged stream is calculated.
$Q_m$	The estimated long term average discharge of a given stream. It is the mean of the available daily mean flow values calculated by the formula $Q_a / Q_b \times Q_M$ .
DRI	Desert Research Institute
NDWR	Nevada Division of Water Resources
SNWA	Southern Nevada Water Authority

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243750	Bassett Creek near Piermont, NV	USGS	7/16/1964	U	5	7.80	10.4	6.67	<b>4.92</b>	
10243750	Bassett Creek near Piermont, NV	USGS	8/15/1964	U	3.13	7.10	10.4	4.58		
10243750	Bassett Creek near Piermont, NV	USGS	3/21/1968	U	2.66					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	5/1/1968	U	8.53					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	6/18/1968	U	18.8					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	9/24/1968	U	2.48					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	12/4/1968	U	2.37					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	2/11/1969	U	2.15					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	4/21/1969	U	4.08					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	5/21/1969	U	15.7					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	6/23/1969	U	13.3					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	7/23/1969	U	4.53					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	9/23/1969	U	2.61					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	11/23/1969	U	2.48					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	3/10/1970	U	2.14					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	5/26/1970	U	18.6					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	6/24/1970	U	16.3					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	9/22/1970	U	2.75					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	11/19/1970	U	2.62					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	1/27/1971	U	2.32					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	4/21/1971	U	6.11					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	5/21/1971	U	12.2					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	6/22/1971	U	22					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	7/27/1971	U	5.62					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	9/26/1971	U	2.66					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	11/16/1971	U	3.54					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	2/22/1972	U	2.15					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	3/21/1972	U	3.5					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	5/2/1972	U	4.47					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	7/18/1972	U	3.1					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	10/31/1972	U	2.48					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	1/24/1973	U	1.95					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	4/26/1973	U	4.09					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	9/18/1973	U	4.27					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	10/30/1973	U	4.51					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	1/30/1974	U	2.19					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	3/18/1974	U	2.83					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	5/14/1974	U	10.9					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	6/12/1974	U	9.83					Mean Daily Data for Cleve Creek Not Available

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243750	Bassett Creek near Piermont, NV	USGS	8/20/1974	U	2.94					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	10/1/1974	U	2.24					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	1/14/1975	U	1.68					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	5/19/1975	U	20.2					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	6/12/1975	U	26.5					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	9/18/1975	U	2.69					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	4/21/1976	U	2.61					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	6/23/1976	U	6.69					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	8/19/1976	U	2.56					Mean Daily Data for Cleve Creek Not Available
10243750	Bassett Creek near Piermont, NV	USGS	10/13/1976	U	2.61	7.40	10.4	3.67		
10243750	Bassett Creek near Piermont, NV	USGS	2/23/1977	U	2.14	5.20	10.4	4.28		
10243750	Bassett Creek near Piermont, NV	USGS	4/21/1977	U	2.86	6.60	10.4	4.51		
10243750	Bassett Creek near Piermont, NV	USGS	8/24/1977	U	2.46	7.30	10.4	3.50		
10243750	Bassett Creek near Piermont, NV	USGS	4/19/1978	U	4.4	16.00	10.4	2.86		
10243750	Bassett Creek near Piermont, NV	USGS	5/18/1978	U	15.7	45.00	10.4	3.63		
10243750	Bassett Creek near Piermont, NV	USGS	7/24/1978	U	4.97	9.20	10.4	5.62		
10243750	Bassett Creek near Piermont, NV	USGS	10/2/1978	U	3.32	6.20	10.4	5.57		
10243750	Bassett Creek near Piermont, NV	USGS	2/21/1979	U	1.88	8.50	10.4	2.30		
10243750	Bassett Creek near Piermont, NV	USGS	5/22/1979	U	18.7	39.00	10.4	4.99		
10243750	Bassett Creek near Piermont, NV	USGS	9/18/1979	U	3.61	6.60	10.4	5.69		
10243750	Bassett Creek near Piermont, NV	USGS	1/22/1980	U	3.1	7.70	10.4	4.19		
10243750	Bassett Creek near Piermont, NV	USGS	7/16/1991	U	4.65	6.70	10.4	7.22		
10243750	Bassett Creek near Piermont, NV	USGS	10/22/1991	U	2.15	5.40	10.4	4.14		
10243750	Bassett Creek near Piermont, NV	USGS	12/3/1991	U	2.54	5.70	10.4	4.63		
10243750	Bassett Creek near Piermont, NV	USGS	3/16/1992	U	1.72	6.30	10.4	2.84		
10243750	Bassett Creek near Piermont, NV	USGS	6/24/1992	U	1.99	4.70	10.4	4.40		
10243750	Bassett Creek near Piermont, NV	SNWA	6/23/1993	F	9.31	14.00	10.4	6.92		
10243750	Bassett Creek near Piermont, NV	SNWA	7/18/1996	G	5.26	7.30	10.1	7.28		
10243750	Bassett Creek near Piermont, NV	SNWA	7/17/1998	F	11.5	18.00	10.3	6.58		
10243750	Bassett Creek near Piermont, NV	SNWA	7/13/1999	F	5.96	18.00	10.4	3.44		
10243750	Bassett Creek near Piermont, NV	SNWA	7/24/2000	F	4.13	7.20	10.4	5.97		
10243750	Bassett Creek near Piermont, NV	SNWA	7/26/2000	F	4.34	7.00	10.4	6.45		
10243750	Bassett Creek near Piermont, NV	SNWA	7/26/2000	F	3.54	7.00	10.4	5.26		
10243750	Bassett Creek near Piermont, NV	SNWA	7/26/2000	F	4.51	7.00	10.4	6.70		
10243750	Bassett Creek near Piermont, NV	SNWA	7/26/2000	F	3.28	7.00	10.4	4.87		
10243750	Bassett Creek near Piermont, NV	SNWA	7/26/2000	F	3.58	7.00	10.4	5.32		
10243750	Bassett Creek near Piermont, NV	SNWA	7/26/2000	F	3.49	7.00	10.4	5.19		
10243750	Bassett Creek near Piermont, NV	SNWA	8/8/2001	F	1.93	6.30	10.1	3.09		
10243750	Bassett Creek near Piermont, NV	SNWA	8/9/2001	F	2.09	6.30	10.1	3.35		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
10243750	Bassett Creek near Piermont, NV	SNWA	7/16/2002	G	2.6	6.00	10.2	4.42		
10243750	Bassett Creek near Piermont, NV	SNWA	8/7/2003	F	2.76	5.80	10.1	4.81		
10243750	Bassett Creek near Piermont, NV	SNWA	7/28/2004	G	3.07	5.30	10.4	6.02		
10243750	Bassett Creek near Piermont, NV	SNWA	7/27/2006	F	3.77	10.00	10.5	3.96		
10243750	Bassett Creek near Piermont, NV	SNWA	2/15/2007	P	2.928	8.60	10.4	3.54		
10243750	Bassett Creek near Piermont, NV	SNWA	3/28/2007	P	3.07	8.60	10.4	3.71		
10243750	Bassett Creek near Piermont, NV	SNWA	5/9/2007	G	7.97	14.00	10.4	5.92		
10243750	Bassett Creek near Piermont, NV	SNWA	6/14/2007	P	6.77	7.10	10.4	9.92		
10243750	Bassett Creek near Piermont, NV	SNWA	7/19/2007	F	3.2	7.50	10.4	4.44		
10243750	Bassett Creek near Piermont, NV	SNWA	8/29/2007	G	3.44	6.40	10.4	5.59		
10243750	Bassett Creek near Piermont, NV	SNWA	10/10/2007	F	2.5	5.80	10.3	4.44		
10243750	Bassett Creek near Piermont, NV	SNWA	11/28/2007	F	1.78	5.00	10.3	3.67		
10243750	Bassett Creek near Piermont, NV	SNWA	2/5/2008	N		6.00	10.3			
10243750	Bassett Creek near Piermont, NV	SNWA	3/25/2008	F	2.11	12.00	10.3	1.81		
10243750	Bassett Creek near Piermont, NV	SNWA	4/29/2008	F	2.76	8.40	10.3	3.38		
10243750	Bassett Creek near Piermont, NV	SNWA	6/11/2008	F	6.12	9.10	10.3	6.93		
10243750	Bassett Creek near Piermont, NV	SNWA	7/22/2008	F	2.94	5.30	10.3	5.71		
10243750	Bassett Creek near Piermont, NV	SNWA	9/9/2008	F	1.92	5.10	10.3	3.88		
10243750	Bassett Creek near Piermont, NV	SNWA	10/14/2008	F	1.8	5.60	10.2	3.28		
10243750	Bassett Creek near Piermont, NV	SNWA	11/6/2008	N						
10243750	Bassett Creek near Piermont, NV	SNWA	11/20/2008	N						
10243750	Bassett Creek near Piermont, NV	SNWA	12/9/2008	N						
10243750	Bassett Creek near Piermont, NV	SNWA	12/10/2008	N						
10243750	Bassett Creek near Piermont, NV	SNWA	12/10/2008	F	2	4.50	10.2	4.53		
10243750	Bassett Creek near Piermont, NV	SNWA	12/16/2008	N						
10243750	Bassett Creek near Piermont, NV	SNWA	12/18/2008	N						
10243750	Bassett Creek near Piermont, NV	SNWA	2/3/2009	P	1.75	4.60	10.2	3.88		
10243750	Bassett Creek near Piermont, NV	SNWA	5/12/2009	P	17.6	24.00	10.2	7.48		
10243750	Bassett Creek near Piermont, NV	SNWA	5/28/2009	P	13.9	17.00	10.2	8.34		
10243750	Bassett Creek near Piermont, NV	SNWA	7/7/2009	F	7.12	9.00	10.2	8.07		
10243750	Bassett Creek near Piermont, NV	SNWA	8/19/2009	F	2.54	5.50	10.2	4.71		
10243750	Bassett Creek near Piermont, NV	SNWA	9/15/2009	P	2.75	5.40	10.2	5.19		
10243750	Bassett Creek near Piermont, NV	SNWA	10/6/2009	P	2.56	5.50	10.2	4.75		
10243750	Bassett Creek near Piermont, NV	SNWA	10/7/2009	N		5.60	10.2			
10243750	Bassett Creek near Piermont, NV	SNWA	11/18/2009	F	2.102	5.40	10.2	3.97		
10243750	Bassett Creek near Piermont, NV	SNWA	1/5/2010	F	1.81	5.40	10.2	3.42		
10243750	Bassett Creek near Piermont, NV	SNWA	2/23/2010	P	1.86	7.70	10.2	2.46		
10243750	Bassett Creek near Piermont, NV	SNWA	3/30/2010	F	2.54	7.30	10.2	3.55		
10243750	Bassett Creek near Piermont, NV	SNWA	5/25/2010	F	10.4	18.00	10.2	5.89		



USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243750	Bassett Creek near Piermont, NV	SNWA	5/25/2010	F	10.2	18.00	10.2	5.78		
10243750	Bassett Creek near Piermont, NV	SNWA	6/16/2010	P	15.2	23.00	10.2	6.74		
10243750	Bassett Creek near Piermont, NV	SNWA	7/27/2010	P	4.9	9.50	10.2	5.26		
10243750	Bassett Creek near Piermont, NV	SNWA	7/28/2010	N		8.90	10.2			
10243750	Bassett Creek near Piermont, NV	SNWA	8/31/2010	P	3.19	6.20	10.2	5.25		
10243750	Bassett Creek near Piermont, NV	SNWA	10/12/2010	F	3.09	6.70	10.4	4.80		
10243750	Bassett Creek near Piermont, NV	SNWA	11/9/2010	F	2.84	6.90	10.4	4.28		
	Bastian Creek near Major's Place, NV	SNWA	7/15/1998	F	10.5	19.00	10.3	5.69	<b>1.76</b>	
	Bastian Creek near Major's Place, NV	SNWA	7/17/1998	F	6.47	18.00	10.3	3.70		
	Bastian Creek near Major's Place, NV	SNWA	7/13/1999	F	5.95	18.00	10.4	3.44		
	Bastian Creek near Major's Place, NV	SNWA	7/25/2000	F	0.78	7.20	10.4	1.13		
	Bastian Creek near Major's Place, NV	SNWA	7/27/2000	F	0.789	6.90	10.4	1.19		
	Bastian Creek near Major's Place, NV	SNWA	8/7/2001	F	1.27	6.10	10.3	2.14		
	Bastian Creek near Major's Place, NV	SNWA	7/16/2002	F	0.363	6.00	10.2	0.62		
	Bastian Creek near Major's Place, NV	SNWA	8/7/2003	G	0.737	5.80	10.1	1.28		
	Bastian Creek near Major's Place, NV	SNWA	7/28/2004	F	0.455	5.30	10.4	0.89		
	Bastian Creek near Major's Place, NV	SNWA	7/27/2005	F	9.91	19.00	10.5	5.48		
	Bastian Creek near Major's Place, NV	SNWA	10/24/2005	F	3.05	11.00	10.5	2.91		
	Bastian Creek near Major's Place, NV	SNWA	7/24/2006	P	3.8	11.00	10.5	3.63		
	Bastian Creek near Major's Place, NV	SNWA	8/17/2006	G	2.81	8.80	10.5	3.35		
	Bastian Creek near Major's Place, NV	SNWA	2/12/2007	P	1.06	8.50	10.4	1.30		
	Bastian Creek near Major's Place, NV	SNWA	3/26/2007	G	1.09	8.60	10.4	1.32		
	Bastian Creek near Major's Place, NV	SNWA	5/7/2007	F	0.723	15.00	10.4	0.50		
	Bastian Creek near Major's Place, NV	SNWA	6/15/2007	F	1.05	6.50	10.4	1.68		
	Bastian Creek near Major's Place, NV	SNWA	7/20/2007	G	0.749	6.80	10.4	1.15		
	Bastian Creek near Major's Place, NV	SNWA	8/28/2007	P	0.47	6.70	10.4	0.73		
	Bastian Creek near Major's Place, NV	SNWA	10/9/2007	P	0.644	5.80	10.3	1.14		
	Bastian Creek near Major's Place, NV	SNWA	10/17/2007	N		6.30	10.3			
	Bastian Creek near Major's Place, NV	SNWA	11/27/2007	F	0.559	6.10	10.3	0.94		
	Bastian Creek near Major's Place, NV	SNWA	2/6/2008	P	0.413	6.00	10.3	0.71		
	Bastian Creek near Major's Place, NV	SNWA	3/27/2008	F	0.534	14.00	10.3	0.39		
	Bastian Creek near Major's Place, NV	SNWA	4/28/2008	P	0.556	6.80	10.3	0.84		
	Bastian Creek near Major's Place, NV	SNWA	6/12/2008	F	0.81	9.20	10.3	0.91		
	Bastian Creek near Major's Place, NV	SNWA	7/22/2008	G	0.328	5.30	10.3	0.64		
	Bastian Creek near Major's Place, NV	SNWA	9/3/2008	P	0.398	5.00	10.3	0.82		
	Bastian Creek near Major's Place, NV	SNWA	10/17/2008	F	0.252	5.30	10.2	0.48		
	Bastian Creek near Major's Place, NV	SNWA	11/6/2008	N		4.80	10.2			

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Bastian Creek near Major's Place, NV	SNWA	11/7/2008	N		4.80	10.2			
	Bastian Creek near Major's Place, NV	SNWA	12/9/2008	P	0.293	4.40	10.2	0.68		
	Bastian Creek near Major's Place, NV	SNWA	12/10/2008	N		4.50	10.2			
	Bastian Creek near Major's Place, NV	SNWA	1/29/2009	E	0.328	4.70	10.2	0.71		
	Bastian Creek near Major's Place, NV	SNWA	3/24/2009	N		7.80	10.2			
	Bastian Creek near Major's Place, NV	SNWA	5/8/2009	P	3.08	28.00	10.2	1.12		
	Bastian Creek near Major's Place, NV	SNWA	5/13/2009	F	3.36	25.00	10.2	1.37		
	Bastian Creek near Major's Place, NV	SNWA	5/27/2009	P	5.21	18.00	10.2	2.95		
	Bastian Creek near Major's Place, NV	SNWA	6/2/2009	F	4.71	16.00	10.2	3.00		
	Bastian Creek near Major's Place, NV	SNWA	7/6/2009	P	2.64	9.30	10.2	2.90		
	Bastian Creek near Major's Place, NV	SNWA	8/17/2009	P	1.14	5.60	10.2	2.08		
	Bastian Creek near Major's Place, NV	SNWA	9/16/2009	P	0.861	5.20	10.2	1.69		
	Bastian Creek near Major's Place, NV	SNWA	10/5/2009	F	0.684	5.30	10.2	1.32		
	Bastian Creek near Major's Place, NV	SNWA	10/7/2009	F	0.77	5.60	10.2	1.40		
	Bastian Creek near Major's Place, NV	SNWA	11/16/2009	F	0.626	5.40	10.2	1.18		
	Bastian Creek near Major's Place, NV	SNWA	1/5/2010	P	0.363	5.40	10.2	0.69		
	Bastian Creek near Major's Place, NV	SNWA	2/23/2010	P	0.509	7.70	10.2	0.67		
	Bastian Creek near Major's Place, NV	SNWA	2/24/2010	N		6.00	10.2			
	Bastian Creek near Major's Place, NV	SNWA	2/25/2010	N		5.40	10.2			
	Bastian Creek near Major's Place, NV	SNWA	3/31/2010	F	0.821	7.80	10.2	1.07		
	Bastian Creek near Major's Place, NV	SNWA	5/24/2010	F	3.48	18.00	10.2	1.97		
	Bastian Creek near Major's Place, NV	SNWA	5/24/2010	F	3.49	18.00	10.2	1.98		
	Bastian Creek near Major's Place, NV	SNWA	5/25/2010	N		18.00	10.2			
	Bastian Creek near Major's Place, NV	SNWA	6/17/2010	P	7.2	22.00	10.2	3.34		
	Bastian Creek near Major's Place, NV	SNWA	7/28/2010	F	2.94	8.90	10.2	3.37		
	Bastian Creek near Major's Place, NV	SNWA	8/30/2010	P	1.66	6.30	10.2	2.69		
	Bastian Creek near Major's Place, NV	SNWA	10/11/2010	P	0.985	6.60	10.4	1.55		
	Bastian Creek near Major's Place, NV	NDWR	10/11/2010	G	0.93	6.60	10.4	1.47		
	Bastian Creek near Major's Place, NV	SNWA	11/8/2010	F	0.885	6.80	10.4	1.35		
	Eight Mile Creek near Osceola, NV	USGS	7/14/1964	U	0.07	8.40	10.4	0.09	<b>0.96</b>	
	Eight Mile Creek near Osceola, NV	SNWA	7/14/1998	F	2.17	21.00	10.3	1.06		
	Eight Mile Creek near Osceola, NV	SNWA	7/16/1998	P	2.02	18.00	10.3	1.16		
	Eight Mile Creek near Osceola, NV	SNWA	7/13/1999	G	1.67	18.00	10.4	0.96		
	Eight Mile Creek near Osceola, NV	SNWA	7/24/2000	F	0.482	7.20	10.4	0.70		
	Eight Mile Creek near Osceola, NV	SNWA	7/26/2000	F	0.555	7.20	10.4	0.80		
	Eight Mile Creek near Osceola, NV	SNWA	8/7/2001	F	0.516	6.10	10.1	0.85		
	Eight Mile Creek near Osceola, NV	SNWA	7/29/2004	F	0.256	5.10	10.4	0.52		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
	Eight Mile Creek near Osceola, NV	SNWA	7/28/2005	F	4.28	18.00	10.5	2.50		
	Eight Mile Creek near Osceola, NV	SNWA	8/17/2006	G	0.889	8.80	10.5	1.06		
	Eight Mile Creek near Osceola, NV	SNWA	2/20/2007	F	0.891	8.50	10.4	1.09		
	Eight Mile Creek near Osceola, NV	SNWA	3/27/2007	F	1.08	8.70	10.4	1.29		
	Eight Mile Creek near Osceola, NV	SNWA	5/8/2007	F	0.798	14.00	10.4	0.59		
	Eight Mile Creek near Osceola, NV	SNWA	6/12/2007	P	0.678	7.50	10.4	0.94		
	Eight Mile Creek near Osceola, NV	SNWA	7/18/2007	E	0.339	7.50	10.4	0.47		
	Eight Mile Creek near Osceola, NV	SNWA	8/27/2007	E	0.411	6.50	10.4	0.66		
	Eight Mile Creek near Osceola, NV	SNWA	10/8/2007	F	0.642	6.00	10.3	1.10		
	Eight Mile Creek near Osceola, NV	SNWA	10/16/2007	N		6.10	10.3			
	Eight Mile Creek near Osceola, NV	SNWA	11/29/2007	P	0.618	5.00	10.3	1.27		
	Eight Mile Creek near Osceola, NV	SNWA	2/6/2008	N		6.00	10.3			
	Eight Mile Creek near Osceola, NV	SNWA	3/27/2008	P	0.728	14.00	10.3	0.54		
	Eight Mile Creek near Osceola, NV	SNWA	4/9/2008	N		8.10	10.3			
	Eight Mile Creek near Osceola, NV	SNWA	4/28/2008	F	0.639	6.80	10.3	0.97		
	Eight Mile Creek near Osceola, NV	SNWA	5/1/2008	N		10.00	10.3			
	Eight Mile Creek near Osceola, NV	SNWA	5/20/2008	N		13.00	10.3			
	Eight Mile Creek near Osceola, NV	SNWA	6/10/2008	E	0.345	8.90	10.3	0.40		
	Eight Mile Creek near Osceola, NV	SNWA	7/21/2008	G	0.232	5.50	10.3	0.43		
	Eight Mile Creek near Osceola, NV	SNWA	7/29/2008	N		5.20	10.3			
	Eight Mile Creek near Osceola, NV	SNWA	9/3/2008	P	0.412	5.00	10.3	0.85		
	Eight Mile Creek near Osceola, NV	SNWA	10/15/2008	P	0.333	5.50	10.2	0.62		
	Eight Mile Creek near Osceola, NV	SNWA	11/6/2008	N		4.80	10.2			
	Eight Mile Creek near Osceola, NV	SNWA	11/7/2008	N		4.80	10.2			
	Eight Mile Creek near Osceola, NV	SNWA	11/15/2008	N		4.80	10.2			
	Eight Mile Creek near Osceola, NV	SNWA	11/19/2008	N		4.60	10.2			
	Eight Mile Creek near Osceola, NV	SNWA	12/10/2008	P	0.472	4.50	10.2	1.07		
	Eight Mile Creek near Osceola, NV	SNWA	12/18/2008	N		3.50	10.2			
	Eight Mile Creek near Osceola, NV	SNWA	1/27/2009	N		4.70	10.2			
	Eight Mile Creek near Osceola, NV	SNWA	2/4/2009	G	0.484	4.60	10.2	1.07		
	Eight Mile Creek near Osceola, NV	SNWA	3/25/2009	N		7.50	10.2			
	Eight Mile Creek near Osceola, NV	SNWA	4/15/2009	P	0.506	8.30	10.2	0.62		
	Eight Mile Creek near Osceola, NV	SNWA	5/14/2009	F	0.716	23.00	10.2	0.32		
	Eight Mile Creek near Osceola, NV	SNWA	5/28/2009	P	0.538	17.00	10.2	0.32		
	Eight Mile Creek near Osceola, NV	SNWA	7/7/2009	F	0.516	9.00	10.2	0.58		
	Eight Mile Creek near Osceola, NV	SNWA	8/19/2009	P	0.526	5.50	10.2	0.98		
	Eight Mile Creek near Osceola, NV	SNWA	9/15/2009	P	0.512	5.40	10.2	0.97		
	Eight Mile Creek near Osceola, NV	SNWA	10/6/2009	P	0.471	5.50	10.2	0.87		
	Eight Mile Creek near Osceola, NV	SNWA	10/14/2009	N		6.00	10.2			

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Eight Mile Creek near Osceola, NV	SNWA	11/18/2009	P	0.476	5.40	10.2	0.90		
	Eight Mile Creek near Osceola, NV	SNWA	2/24/2010	N		6.00	10.2			
	Eight Mile Creek near Osceola, NV	SNWA	3/30/2010	P	0.509	7.30	10.2	0.71		
	Eight Mile Creek near Osceola, NV	SNWA	5/25/2010	P	1.63	18.00	10.2	0.92		
	Eight Mile Creek near Osceola, NV	SNWA	5/25/2010	P	1.64	18.00	10.2	0.93		
	Eight Mile Creek near Osceola, NV	SNWA	6/17/2010	P	1.53	22.00	10.2	0.71		
	Eight Mile Creek near Osceola, NV	SNWA	7/28/2010	P	1.59	8.90	10.2	1.82		
	Eight Mile Creek near Osceola, NV	SNWA	8/31/2010	F	1.12	6.30	10.2	1.81		
	Eight Mile Creek near Osceola, NV	SNWA	10/12/2010	P	1.09	6.60	10.4	1.72		
	Eight Mile Creek near Osceola, NV	NDWR	10/13/2010	G	1.34	6.60	10.4	2.11		
	Eight Mile Creek near Osceola, NV	SNWA	11/8/2010	F	1.29	6.80	10.4	1.97		
	Frenchman Creek at Mountain Block	SNWA	7/17/1996	G	0.66	7.50	10.1	0.89	<b>0.19</b>	
	Frenchman Creek at Mountain Block	SNWA	7/14/1998	F	0.898	21.00	10.3	0.44		
	Frenchman Creek at Mountain Block	SNWA	7/17/1998	F	0.86	18.00	10.3	0.49		
	Frenchman Creek at Mountain Block	SNWA	7/12/1999	G	1.04	16.00	10.4	0.68		
	Frenchman Creek at Mountain Block	SNWA	7/25/2000	P	0.07	7.20	10.4	0.10		
	Frenchman Creek at Mountain Block	SNWA	8/7/2001	F	0.104	7.70	10.3	0.14		
	Frenchman Creek at Mountain Block	SNWA	8/15/2006	F	0.384	8.20	10.5	0.49		
	Frenchman Creek at Mountain Block	SNWA	2/13/2007	P	0.287	8.80	10.4	0.34		
	Frenchman Creek at Mountain Block	SNWA	3/27/2007	F	0.282	8.70	10.4	0.34		
	Frenchman Creek at Mountain Block	SNWA	5/8/2007	P	0.227	14.00	10.4	0.17		
	Frenchman Creek at Mountain Block	SNWA	6/13/2007	P	0.131	7.40	10.4	0.18		
	Frenchman Creek at Mountain Block	SNWA	7/17/2007	F	0.072	7.60	10.4	0.10		
	Frenchman Creek at Mountain Block	SNWA	8/28/2007	E	0.022	6.70	10.4	0.03		
	Frenchman Creek at Mountain Block	SNWA	10/9/2007	E	0.04	5.80	10.3	0.07		
	Frenchman Creek at Mountain Block	SNWA	11/27/2007	E	0.046	6.10	10.3	0.08		
	Frenchman Creek at Mountain Block	SNWA	2/5/2008	N		6.00	10.3			
	Frenchman Creek at Mountain Block	SNWA	3/26/2008	E	0.095	12.00	10.3	0.08		
	Frenchman Creek at Mountain Block	SNWA	4/29/2008	E	0.095	8.40	10.3	0.12		
	Frenchman Creek at Mountain Block	SNWA	6/10/2008	E	0.075	8.90	10.3	0.09		
	Frenchman Creek at Mountain Block	SNWA	7/22/2008	E	0.018	5.30	10.3	0.03		
	Frenchman Creek at Mountain Block	SNWA	9/9/2008	E	0.006	5.10	10.3	0.01		
	Frenchman Creek at Mountain Block	SNWA	10/14/2008	E	0.02	5.60	10.2	0.04		
	Frenchman Creek at Mountain Block	SNWA	12/9/2008	E	0.026	4.40	10.2	0.06		
	Frenchman Creek at Mountain Block	SNWA	2/4/2009	E	0.022	4.60	10.2	0.05		
	Frenchman Creek at Mountain Block	SNWA	4/14/2009	E	0.062	8.30	10.2	0.08		
	Frenchman Creek at Mountain Block	SNWA	5/28/2009	P	0.093	17.00	10.2	0.06		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Frenchman Creek at Mountain Block	SNWA	7/8/2009	E	0.175	8.70	10.2	0.21		
	Frenchman Creek at Mountain Block	SNWA	8/18/2009	E	0.057	5.60	10.2	0.10		
	Frenchman Creek at Mountain Block	SNWA	11/17/2009	E	0.035	5.40	10.2	0.07		
	Frenchman Creek at Mountain Block	NDWR	10/15/2010	G	0.088	6.20	10.2	0.14		
	Frenchman Creek at Mountain Block	SNWA	11/9/2010	E	0.11	6.90	10.2	0.16		
	Garden Creek at Mountain Block	SNWA	7/14/1998	F	1.12	21.00	10.4	0.55	<b>0.23</b>	
	Garden Creek at Mountain Block	SNWA	7/13/1999	F	0.926	18.00	10.4	0.54		
	Garden Creek at Mountain Block	SNWA	8/7/2001	F	0.098	6.10	10.3	0.17		
	Garden Creek at Mountain Block	SNWA	7/27/2006	F	0.27	10.00	10.5	0.28		
	Garden Creek at Mountain Block	SNWA	2/15/2007	N		8.60	10.4			
	Garden Creek at Mountain Block	SNWA	2/22/2007	F	0.102	8.80	10.4	0.12		
	Garden Creek at Mountain Block	SNWA	5/9/2007	F	0.458	14.00	10.4	0.34		
	Garden Creek at Mountain Block	SNWA	6/13/2007	P	0.27	7.40	10.4	0.38		
	Garden Creek at Mountain Block	SNWA	7/19/2007	E	0.088	7.50	10.4	0.12		
	Garden Creek at Mountain Block	SNWA	8/29/2007	E	0.063	6.40	10.4	0.10		
	Garden Creek at Mountain Block	SNWA	10/10/2007	E	0.069	5.80	10.3	0.12		
	Garden Creek at Mountain Block	SNWA	11/29/2007	G	0.04	5.00	10.3	0.08		
	Garden Creek at Mountain Block	SNWA	2/5/2008	N		6.00	10.3			
	Garden Creek at Mountain Block	SNWA	3/27/2008	E	0.082	14.00	10.3	0.06		
	Garden Creek at Mountain Block	SNWA	4/29/2008	G	0.102	8.40	10.3	0.13		
	Garden Creek at Mountain Block	SNWA	6/11/2008	G	0.222	9.10	10.3	0.25		
	Garden Creek at Mountain Block	SNWA	7/22/2008	E	0.036	5.30	10.3	0.07		
	Garden Creek at Mountain Block	SNWA	9/10/2008	E	0.035	5.30	10.3	0.07		
	Garden Creek at Mountain Block	SNWA	10/15/2008	G	0.04	5.50	10.2	0.07		
	Garden Creek at Mountain Block	SNWA	12/11/2008	G	0.04	4.50	10.2	0.09		
	Garden Creek at Mountain Block	SNWA	2/5/2009	G	0.018	4.60	10.2	0.04		
	Garden Creek at Mountain Block	SNWA	7/7/2009	P	0.365	9.00	10.2	0.41		
	Garden Creek at Mountain Block	SNWA	8/19/2009	E	0.125	5.50	10.2	0.23		
	Garden Creek at Mountain Block	SNWA	11/18/2009	E	0.088	5.40	10.2	0.17		
	Garden Creek at Mountain Block	SNWA	6/16/2010	P	2.41	23.00	10.2	1.07		
	Garden Creek at Mountain Block	NDWR	10/14/2010	F	0.07	6.40	10.4	0.11		
	Garden Creek at Mountain Block	SNWA	11/10/2010	G	0.125	7.20	10.4	0.18		
	Indian Creek at Mountain Block	SNWA	6/15/2007	P	0.4	6.50	10.4	0.64	<b>0.65</b>	
	Indian Creek at Mountain Block	SNWA	7/23/2007	P	0.243	6.90	10.4	0.37		
	Indian Creek at Mountain Block	SNWA	8/28/2007	G	0.273	6.70	10.4	0.42		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Indian Creek at Mountain Block	SNWA	10/9/2007	G	0.294	5.80	10.3	0.52		
	Indian Creek at Mountain Block	SNWA	11/26/2007	G	0.273	6.40	10.3	0.44		
	Indian Creek at Mountain Block	SNWA	2/5/2008	G	0.184	6.00	10.3	0.32		
	Indian Creek at Mountain Block	SNWA	3/25/2008	P	0.648	12.00	10.3	0.56		
	Indian Creek at Mountain Block	SNWA	4/28/2008	P	0.394	6.80	10.3	0.60		
	Indian Creek at Mountain Block	SNWA	6/11/2008	P	0.437	9.10	10.3	0.49		
	Indian Creek at Mountain Block	SNWA	7/23/2008	P	0.341	5.10	10.3	0.69		
	Indian Creek at Mountain Block	SNWA	9/8/2008	P	0.323	5.10	10.3	0.65		
	Indian Creek at Mountain Block	SNWA	10/16/2008	P	0.477	5.40	10.2	0.90		
	Indian Creek at Mountain Block	SNWA	12/11/2008	P	0.312	4.50	10.2	0.71		
	Indian Creek at Mountain Block	SNWA	2/2/2009	P	0.278	4.60	10.2	0.62		
	Indian Creek at Mountain Block	SNWA	5/27/2009	P	0.895	18.00	10.2	0.51		
	Indian Creek at Mountain Block	SNWA	7/9/2009	P	0.836	8.50	10.2	1.00		
	Indian Creek at Mountain Block	SNWA	8/18/2009	P	0.539	5.60	10.2	0.98		
	Indian Creek at Mountain Block	SNWA	11/19/2009	P	0.597	5.30	10.2	1.15		
	Indian Creek	NDWR	10/12/2010	F	0.340	6.70	10.4	0.53		
	Indian Creek at Mountain Block	SNWA	11/8/2010	P	0.573	6.80	10.4	0.88		
	Indian Springs East	SNWA	8/14/2006		0.03	8.40	10.5	0.0375	<b>0.03</b>	
	Indian Springs East	SNWA	3/26/2007		0.03	8.60	10.4	0.0363		
	Indian Springs East	SNWA	5/7/2007		0.02	15.00	10.4	0.0139		
	Indian Springs East	SNWA	6/11/2007		0.02	7.60	10.4	0.0274		
	Indian Springs East	SNWA	7/23/2007		0.03	6.90	10.4	0.0452		
	Indian Springs East	SNWA	8/27/2007		0.02	6.50	10.4	0.0320		
	Indian Springs East	SNWA	10/8/2007		0.02	6.00	10.4	0.0347		
	Indian Springs East	SNWA	11/26/2007		0.03	6.40	10.4	0.0488		
	Indian Springs East	SNWA	3/24/2008		0.03	11.00	10.3	0.0281		
	Indian Springs East	SNWA	4/29/2008		0.03	8.40	10.3	0.0368		
	Indian Springs East	SNWA	6/12/2008		0.02	9.20	10.3	0.0224		
	Indian Springs East	SNWA	7/21/2008		0.02	5.50	10.3	0.0375		
	Indian Springs East	SNWA	10/13/2008		0.02	5.60	10.3	0.0368		
	Indian Springs East	SNWA	12/8/2008		0.02	4.40	10.3	0.0468		
	Indian Springs East	SNWA	2/2/2009		0.02	4.80	10.2	0.0425		
	Indian Springs East	SNWA	4/14/2009		0.03	8.30	10.2	0.0369		
	Indian Springs East	SNWA	5/26/2009		0.01	19.00	10.2	0.0054		
	Indian Springs East	SNWA	7/6/2009		0.02	9.30	10.2	0.0219		
	Indian Springs East	SNWA	8/17/2009		0.02	5.60	10.2	0.0364		
	Indian Springs East	SNWA	11/16/2009		0.02	5.40	10.4	0.0385		

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Indian Springs West	SNWA	8/14/2006		0.01	8.40	10.5	0.0125	<b>0.03</b>	
	Indian Springs West	NDWR	10/13/2010		0.03	6.60	10.4	0.0473		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	7/14/1964	U	6.87	8.40	10.4	8.51	<b>5.69</b>	
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	8/15/1964	U	5.95	7.10	10.4	8.72		
10243800	Kalamazoo Creek below National Forest Boundary, NV	ERTEC	6/1/1980	U	4.01	33.00	10.4	1.26		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	12/8/1982	U	5.29	12.00	10.4	4.58		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	6/30/1983	U	28.2	49.00	10.4	5.99		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	10/26/1983	U	6.68	15.00	10.4	4.63		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	6/13/1984	U	27.2	31.00	10.4	9.13		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	11/7/1984	U	7.52	15.00	10.4	5.21		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	2/5/1985	U	5.75	12.00	10.4	4.98		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	5/24/1985	U	12.1	18.00	10.4	6.99		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	7/12/1991	U	4.42	7.60	10.4	6.05		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	10/22/1991	U	3.18	5.40	10.4	6.12		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	12/3/1991	U	3.02	5.70	10.4	5.51		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	3/16/1992	U	3.42	6.30	10.4	5.65		
10243800	Kalamazoo Creek below National Forest Boundary, NV	USGS	6/24/1992	U	3.03	4.70	10.4	6.70		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	6/23/1993	F	9.64	14.00	10.4	7.16		

<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/15/1996	G	4.75	7.60	10.4	6.50		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/16/1996	G	5.05	8.00	10.4	6.57		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/16/1997	G	5.62	8.40	10.4	6.96		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/17/1997	G	5.75	8.80	10.4	6.80		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/17/1997	G	5.98	8.80	10.4	7.07		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/17/1997	G	5.79	8.80	10.4	6.84		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/17/1997	G	5.83	8.80	10.4	6.89		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/17/1997	F	5.74	8.80	10.4	6.78		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/18/1997	G	6.04	9.00	10.4	6.98		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/12/1998	F	9.31	24.00	10.4	4.03		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/14/1998	F	9.96	21.00	10.4	4.93		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/13/1999	G	7.26	18.00	10.4	4.19		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/24/2000	F	3.27	7.20	10.4	4.72		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/27/2000	F	3.51	6.90	10.4	5.29		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	8/9/2001	P	3.77	6.30	10.3	6.16		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/16/2002	F	3.1	6.00	10.2	5.28		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	8/7/2003	F	3.35	5.80	10.1	5.83		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/28/2004	F	2.73	5.30	10.4	5.36		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/27/2005	F	10.1	19.00	10.5	5.58		



<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	10/25/2005	F	5.38	11.00	10.5	5.14		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	8/15/2006	F	4.87	8.20	10.5	6.24		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	10/24/2006	F	4.37	8.40	10.4	5.41		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	12/5/2006	F	4.61	7.00	10.4	6.85		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	1/23/2007	F	3.86	7.50	10.4	5.35		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	2/13/2007	G	4.43	8.80	10.4	5.24		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	3/27/2007	G	4.52	8.70	10.4	5.40		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/8/2007	P	5.43	14.00	10.4	4.03		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/14/2007	G	5.41	16.00	10.4	3.52		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	6/13/2007	P	4.49	7.40	10.4	6.31		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/17/2007	F	3.91	7.60	10.4	5.35		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	8/28/2007	G	3.65	6.70	10.4	5.67		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	9/26/2007	F	3.42	5.50	10.4	6.47		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	10/9/2007	G	3.98	5.80	10.3	7.07		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	11/27/2007	G	3.48	6.10	10.3	5.88		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	2/5/2008	F	3.16	6.00	10.3	5.42		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	3/25/2008	F	3.4	12.00	10.3	2.92		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	4/29/2008	F	3.63	8.40	10.3	4.45		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/30/2008	N						

<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	6/9/2008	P	3.78	9.10	10.3	4.28		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/8/2008	N						
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/22/2008	F	3.45	5.30	10.3	6.70		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/22/2008	N		5.30	10.3			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/30/2008	N		5.00	10.3			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	8/12/2008	F	2.92	4.70	10.3	6.40		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	8/14/2008	N		4.50	10.3			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	9/9/2008	F	2.95	5.10	10.3	5.96		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	10/14/2008	F	2.98	5.60	10.2	5.43		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	11/4/2008	N		4.90	10.2			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	11/6/2008	N		4.80	10.2			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	11/20/2008	N		4.60	10.2			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	12/9/2008	F	2.92	4.40	10.2	6.77		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	1/5/2009	F	3.19	5.90	10.2	5.51		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	2/3/2009	F	2.93	4.60	10.2	6.50		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	4/14/2009	F	3.49	8.30	10.2	4.29		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/8/2009	N		28.00	10.2			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/12/2009	G	8.95	24.00	10.2	3.80		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/14/2009	N		23.00	10.2			

<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/27/2009	F	8.09	18.00	10.2	4.58		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	6/3/2009	N		15.00	10.2			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/8/2009	P	4.07	8.70	10.2	4.77		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	8/18/2009	P	3.04	5.60	10.2	5.54		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	9/15/2009	G	3.26	5.40	10.2	6.16		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	10/6/2009	F	2.97	5.50	10.2	5.51		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	10/7/2009	N		5.60	10.2			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	11/17/2009	F	3.08	5.40	10.2	5.82		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	3/30/2010	G	3.39	7.30	10.2	4.74		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/25/2010	F	10.5	18.00	10.2	5.95		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/25/2010	F	10.4	18.00	10.2	5.89		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	5/26/2010	N			10.2			
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	6/14/2010	F	13.8	26.00	10.2	5.41		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	6/17/2010	F	11.5	22.00	10.2	5.33		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	7/26/2010	F	4.89	8.60	10.2	5.80		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	8/31/2010	F	3.77	6.20	10.2	6.20		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	10/12/2010	F	3.43	6.70	10.2	5.22		
10243800	Kalamazoo Creek below National Forest Boundary, NV	NDWR	10/15/2010	G	3.2	6.20	10.2	5.26		
10243800	Kalamazoo Creek below National Forest Boundary, NV	SNWA	11/10/2010	F	3.71	7.20	10.2	5.26		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/17/1996	F	0.94	7.50	10.1	1.27	<b>0.88</b>	
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/15/1998	F	2.48	19.00	10.3	1.34		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/17/1998	F	1.8	18.00	10.3	1.03		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/13/1999	G	1.26	18.00	10.4	0.73		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/24/2000	F	0.449	7.20	10.4	0.65		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/27/2000	F	0.479	6.90	10.4	0.72		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	8/8/2001	F	0.485	6.10	10.3	0.82		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	8/7/2003	F	0.28	5.80	10.1	0.49		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/29/2004	F	0.315	5.10	10.4	0.64		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/28/2005	F	1.18	18.00	10.5	0.69		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	10/24/2005	F	0.648	11.00	10.5	0.62		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/27/2006	F	1.18	10.00	10.5	1.24		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	2/15/2007	F	0.994	8.60	10.4	1.20		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	3/28/2007	P	0.845	8.60	10.4	1.02		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	5/9/2007	F	0.915	14.00	10.4	0.68		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	6/14/2007	P	0.765	7.10	10.4	1.12		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/19/2007	E	0.283	7.50	10.4	0.39		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	8/29/2007	F	0.554	6.40	10.4	0.90		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	10/10/2007	P	0.594	5.80	10.3	1.05		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge <math>Q_a</math> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</i>	<i><math>(Q_a / Q_b) \times Q_M</math></i>	<i>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</i>	<i>Notes</i>
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	11/28/2007	G	0.351	5.00	10.3	0.72		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	2/5/2008	N						
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	3/27/2008	P	0.602	14.00	10.3	0.44		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	4/29/2008	F	0.721	8.40	10.3	0.88		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	6/10/2008	P	0.789	8.90	10.3	0.91		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/22/2008	P	0.437	5.30	10.3	0.85		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	9/9/2008	P	0.212	5.10	10.2	0.42		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	10/14/2008	P	0.393	5.60	10.2	0.72		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	12/10/2008	F	0.427	4.50	10.2	0.97		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	2/3/2009	P	0.456	4.60	10.2	1.01		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	4/16/2009	P	0.464	7.90	10.2	0.60		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	5/28/2009	P	2.34	17.00	10.2	1.40		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	7/7/2009	P	0.991	9.00	10.2	1.12		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	8/18/2009	P	0.344	5.60	10.2	0.63		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	11/18/2009	F	0.581	5.40	10.2	1.10		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	6/16/2010	P	3.71	23.00	10.2	1.65		
	Little Negro Creek abv Diversion nr Bassett Ranch	NDWR	10/14/2010	G	0.47	6.40	10.4	0.76		
	Little Negro Creek abv Diversion nr Bassett Ranch	SNWA	11/9/2010	P	0.565	6.90	10.4	0.85		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	5/9/2007	G	8.04	14.00	10.4	5.97	<b>6.40</b>	
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	6/14/2007	P	6.71	7.10	10.4	9.83		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	7/19/2007	P	3.92	7.50	10.4	5.44		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	8/29/2007	F	3.88	6.40	10.4	6.31		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	9/26/2007	G	3.44	5.30	10.4	6.75		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	10/10/2007	G	3.6	5.80	10.3	6.39		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	11/28/2007	F	3.59	5.00	10.3	7.40		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	11/29/2007	N		5.00	10.3			
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	2/5/2008	N		6.00	10.3			
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	3/27/2008	F	2.94	14.00	10.3	2.16		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	4/29/2008	F	3.82	8.40	10.3	4.68		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	6/11/2008	F	7.12	9.10	10.3	8.06		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	7/22/2008	F	3.39	5.30	10.3	6.59		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	9/10/2008	F	2.79	5.30	10.3	5.42		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	10/1/2008	P	3.08	4.50	10.2	6.98		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	10/2/2008	F	2.66	4.80	10.2	5.65		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	10/14/2008	F	2.83	5.60	10.2	5.15		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	12/10/2008	F	2.82	4.50	10.2	6.39		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	2/3/2009	P	4.28	4.60	10.2	9.49		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	4/16/2009	P	3.48	7.90	10.2	4.49		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	5/14/2009	P	14.8	23.00	10.2	6.56		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	5/28/2009	P	13.7	17.00	10.2	8.22		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	7/7/2009	F	8.82	9.00	10.2	10.00		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	8/18/2009	F	3.59	5.60	10.2	6.54		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	9/16/2009	F	3.3	5.40	10.2	6.23		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	10/5/2009	P	3.02	5.30	10.2	5.81		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	11/19/2009	F	3.18	5.30	10.2	6.12		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	1/5/2010	F	2.99	5.40	10.2	5.65		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	3/30/2010	P	3.28	7.30	10.2	4.58		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	5/24/2010	P	10.5	18.00	10.2	5.95		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	5/24/2010	P	10.8	18.00	10.2	6.12		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	6/17/2010	P	15.6	22.00	10.2	7.23		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	7/27/2010	P	5.9	9.50	10.2	6.33		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	8/30/2010	P	4.37	6.30	10.2	7.08		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	10/12/2010	F	3.99	6.70	10.4	6.19		
	Mc Coy Creek above pipeline near Piermont, NV	SNWA	11/10/2010	P	4.32	7.20	10.4	6.24		
10243740	Mc Coy Creek at Mountain Block	USGS	7/14/1964	U	9.52	8.40	10.4	11.79	<b>6.68</b>	
10243740	Mc Coy Creek at Mountain Block	USGS	8/15/1964	U	5.95	7.10	10.4	8.72		
10243740	Mc Coy Creek at Mountain Block	ERTEC	6/1/1980	U	18.9	33.00	10.4	5.96		

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243740	Mc Coy Creek at Mountain Block	USGS	7/16/1991	U	7.58	6.70	10.4	11.77		
10243740	Mc Coy Creek at Mountain Block	USGS	10/22/1991	U	3.49	5.40	10.4	6.72		
10243740	Mc Coy Creek at Mountain Block	USGS	12/3/1991	U	2.89	5.70	10.4	5.27		
10243740	Mc Coy Creek at Mountain Block	USGS	3/17/1992	U	2.78	6.40	10.4	4.52		
10243740	Mc Coy Creek at Mountain Block	USGS	6/24/1992	U	3.63	4.70	10.4	8.03		
10243740	Mc Coy Creek at Mountain Block	SNWA	5/18/1993	F	40.5	39.00	10.4	10.80		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/17/1996	F	5.82	7.50	10.1	7.84		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/15/1998	F	15.45	19.00	10.3	8.38		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/15/1998	F	14.9	19.00	10.3	8.08		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/17/1998	G	10.8	18.00	10.3	6.18		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/15/1999	G	8.61	15.00	10.4	5.97		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/15/1999	G	8.33	15.00	10.4	5.78		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/15/1999	G	8.51	15.00	10.4	5.90		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/15/1999	G	8.7	15.00	10.4	6.03		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/15/1999	G	8.46	15.00	10.4	5.87		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/15/1999	G	7.98	15.00	10.4	5.53		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/24/2000	F	4.31	7.20	10.4	6.23		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/27/2000	F	3.54	6.90	10.4	5.34		
10243740	Mc Coy Creek at Mountain Block	SNWA	8/8/2001	F	4.38	6.30	10.3	7.16		
10243740	Mc Coy Creek at Mountain Block	SNWA	8/9/2001	F	3.88	6.30	10.3	6.34		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/16/2002	F	4.55	6.00	10.2	7.74		
10243740	Mc Coy Creek at Mountain Block	SNWA	8/7/2003	F	3.38	5.80	10.1	5.89		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/28/2004	F	3.77	5.30	10.4	7.40		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/27/2005	F	13.3	19.00	10.5	7.35		
10243740	Mc Coy Creek at Mountain Block	SNWA	10/24/2005	F	5.63	11.00	10.5	5.37		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/25/2006	F	6.6	11.00	10.5	6.30		
10243740	Mc Coy Creek at Mountain Block	SNWA	8/17/2006	G	5.34	8.80	10.5	6.37		
10243740	Mc Coy Creek at Mountain Block	SNWA	2/20/2007	U	4.13	8.50	10.4	5.05		
10243740	Mc Coy Creek at Mountain Block	SNWA	3/28/2007	G	4.13	8.60	10.4	4.99		
10243740	Mc Coy Creek at Mountain Block	SNWA	3/28/2007	G	3.82	8.60	10.4	4.62		
10243740	Mc Coy Creek at Mountain Block	SNWA	5/9/2007	F	6.49	14.00	10.4	4.82		
10243740	Mc Coy Creek at Mountain Block	SNWA	6/14/2007	G	6.38	7.10	10.4	9.35		
10243740	Mc Coy Creek at Mountain Block	SNWA	7/19/2007	F	3.19	7.50	10.4	4.42		
10243740	Mc Coy Creek at Mountain Block	SNWA	8/29/2007	F	3.29	6.40	10.4	5.35		
10243740	Mc Coy Creek at Mountain Block	SNWA	10/10/2007	G	3.35	5.80	10.3	5.95		
10243740	Mc Coy Creek at Mountain Block	SNWA	11/28/2007	P	2.92	5.00	10.3	6.02		
10243740	Mc Coy Creek at Mountain Block	SNWA	2/5/2008	N		6.00	10.2			
10243740	Mc Coy Creek at Mountain Block	NDWR	10/14/2010	G	3.61	6.40	10.4	5.87		



Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Meadow Creek at Mountain Block	SNWA	7/27/2006	F	0.782	10.00	10.5	0.82	<b>0.93</b>	
	Meadow Creek at Mountain Block	SNWA	8/17/2006	F	0.617	8.80	10.5	0.74		
	Meadow Creek at Mountain Block	SNWA	2/13/2007	F	0.708	8.80	10.4	0.84		
	Meadow Creek at Mountain Block	SNWA	2/22/2007	F	0.663	8.80	10.4	0.78		
	Meadow Creek at Mountain Block	SNWA	3/27/2007	G	0.915	8.70	10.4	1.09		
	Meadow Creek at Mountain Block	SNWA	5/8/2007	P	0.989	14.00	10.4	0.73		
	Meadow Creek at Mountain Block	SNWA	6/13/2007	F	0.777	7.40	10.4	1.09		
	Meadow Creek at Mountain Block	SNWA	7/17/2007	F	0.573	7.60	10.4	0.78		
	Meadow Creek at Mountain Block	SNWA	8/28/2007	F	0.553	6.70	10.4	0.86		
	Meadow Creek at Mountain Block	SNWA	10/9/2007	F	0.553	5.80	10.3	0.98		
	Meadow Creek at Mountain Block	SNWA	11/28/2007	F	0.631	5.00	10.3	1.30		
	Meadow Creek at Mountain Block	SNWA	2/5/2008	N		6.00	10.3			
	Meadow Creek at Mountain Block	SNWA	3/26/2008	P	0.827	12.00	10.3	0.71		
	Meadow Creek at Mountain Block	SNWA	4/29/2008	G	0.762	8.40	10.3	0.93		
	Meadow Creek at Mountain Block	SNWA	6/10/2008	F	0.889	8.90	10.3	1.03		
	Meadow Creek at Mountain Block	SNWA	7/22/2008	P	0.477	5.30	10.3	0.93		
	Meadow Creek at Mountain Block	SNWA	2/3/2009	E	0.584	4.60	10.2	1.29		
	Meadow Creek at USFS Wilderness Boundary	SNWA	9/9/2008	P	0.589	5.10	10.3	1.19	<b>0.98</b>	
	Meadow Creek at USFS Wilderness Boundary	SNWA	10/15/2008	G	0.598	5.50	10.2	1.11		
	Meadow Creek at USFS Wilderness Boundary	SNWA	12/9/2008	F	0.569	4.40	10.2	1.32		
	Meadow Creek at USFS Wilderness Boundary	SNWA	4/14/2009	P	0.88	8.30	10.2	1.08		
	Meadow Creek at USFS Wilderness Boundary	SNWA	5/27/2009	P	1.94	18.00	10.2	1.10		
	Meadow Creek at USFS Wilderness Boundary	SNWA	7/8/2009	P	0.739	8.70	10.2	0.87		
	Meadow Creek at USFS Wilderness Boundary	SNWA	8/18/2009	E	0.474	5.60	10.2	0.86		
	Meadow Creek at USFS Wilderness Boundary	SNWA	11/18/2009	P	0.575	5.40	10.2	1.09		
	Meadow Creek at USFS Wilderness Boundary	SNWA	6/16/2010	P	1.63	23.00	10.2	0.72		
	Meadow Creek	NDWR	10/15/2010	F	0.450	6.20	10.2	0.74		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Meadow Creek at USFS Wilderness Boundary	SNWA	11/9/2010	F	0.492	6.90	10.4	0.74		
	Muncy Creek at Canyon Mouth	NDWR	10/15/2010	G	0.720	6.20	10.2	1.18		
	Muncy Creek at Muncy Ranch	SNWA	7/16/1998	G	5.17	18.00	10.3	2.96	<b>2.25</b>	
	Muncy Creek at Muncy Ranch	SNWA	7/17/1998	F	5.14	18.00	10.3	2.94		
	Muncy Creek at Muncy Ranch	SNWA	7/13/1999	G	5.04	18.00	10.4	2.91		
	Muncy Creek at Muncy Ranch	SNWA	7/24/2000	P		7.20	10.4			
	Muncy Creek at Muncy Ranch	SNWA	7/24/2000	P	1.06	7.20	10.4	1.53		
	Muncy Creek at Muncy Ranch	SNWA	7/27/2000	F	0.753	6.90	10.4	1.13		
	Muncy Creek at Muncy Ranch	SNWA	8/7/2001	F	0.8	6.10	10.3	1.35		
	Muncy Creek at Muncy Ranch	SNWA	8/16/2006	F	0.824	8.30	10.5	1.04		
	Muncy Creek at Muncy Ranch	SNWA	2/13/2007	F	1.29	8.80	10.4	1.52		
	Muncy Creek at Muncy Ranch	SNWA	3/27/2007	F	1.54	8.70	10.4	1.84		
	Muncy Creek at Muncy Ranch	SNWA	4/3/2007	F	1.55	7.70	10.4	2.09		
	Muncy Creek at Muncy Ranch	SNWA	5/8/2007	P	3.15	14.00	10.4	2.34		
	Muncy Creek at Muncy Ranch	SNWA	6/4/2007	F	1.95	10.00	10.4	2.03		
	Muncy Creek at Muncy Ranch	SNWA	6/13/2007	P	1.67	7.40	10.4	2.35		
	Muncy Creek at Muncy Ranch	SNWA	7/17/2007	F	0.731	7.60	10.4	1.00		
	Muncy Creek at Muncy Ranch	SNWA	8/28/2007	F	0.566	6.70	10.4	0.88		
	Muncy Creek at Muncy Ranch	SNWA	9/25/2007	P	0.55	5.50	10.4	1.04		
	Muncy Creek at Muncy Ranch	SNWA	10/9/2007	F	0.614	5.80	10.3	1.09		
	Muncy Creek at Muncy Ranch	SNWA	11/1/2007	F	0.978	5.70	10.3	1.77		
	Muncy Creek at Muncy Ranch	SNWA	11/27/2007	F	0.722	6.10	10.3	1.22		
	Muncy Creek at Muncy Ranch	SNWA	2/5/2008	N		6.00	10.3			
	Muncy Creek at Muncy Ranch	SNWA	3/25/2008	F	1.02	12.00	10.3	0.88		
	Muncy Creek at Muncy Ranch	SNWA	4/29/2008	F	1.36	8.40	10.3	1.67		
	Muncy Creek at Muncy Ranch	SNWA	5/22/2008	N		15.00	10.3			
	Muncy Creek at Muncy Ranch	SNWA	6/10/2008	F	2.74	8.90	10.3	3.17		
	Muncy Creek at Muncy Ranch	SNWA	7/22/2008	F	0.658	5.30	10.3	1.28		
	Muncy Creek at Muncy Ranch	SNWA	7/29/2008	F	0.484	5.20	10.3	0.96		
	Muncy Creek at Muncy Ranch	SNWA	9/9/2008	F	0.422	5.10	10.3	0.85		
	Muncy Creek at Muncy Ranch	SNWA	10/14/2008	F	0.508	5.60	10.2	0.93		
	Muncy Creek at Muncy Ranch	SNWA	12/9/2008	G	0.605	4.40	10.2	1.40		
	Muncy Creek at Muncy Ranch	SNWA	2/3/2009	P	0.6	4.60	10.2	1.33		
	Muncy Creek at Muncy Ranch	SNWA	4/14/2009	F	1.12	8.30	10.2	1.38		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Muncy Creek at Muncy Ranch	SNWA	5/8/2009	N		28.00	10.2			
	Muncy Creek at Muncy Ranch	SNWA	5/12/2009	F	7	24.00	10.2	2.98		
	Muncy Creek at Muncy Ranch	SNWA	5/27/2009	F	9.49	18.00	10.2	5.38		
	Muncy Creek at Muncy Ranch	SNWA	7/8/2009	P	3.02	8.70	10.2	3.54		
	Muncy Creek at Muncy Ranch	SNWA	8/18/2009	P	0.957	5.60	10.2	1.74		
	Muncy Creek at Muncy Ranch	SNWA	9/14/2009	P	0.583	5.40	10.2	1.10		
	Muncy Creek at Muncy Ranch	SNWA	10/7/2009	P	0.705	5.60	10.2	1.28		
	Muncy Creek at Muncy Ranch	SNWA	11/17/2009	F	0.797	5.40	10.2	1.51		
	Muncy Creek at Muncy Ranch	SNWA	1/6/2010	P	0.704	5.50	10.2	1.31		
	Muncy Creek at Muncy Ranch	SNWA	2/23/2010	N		7.70	10.2			
	Muncy Creek at Muncy Ranch	SNWA	3/30/2010	F	1.02	7.30	10.2	1.43		
	Muncy Creek at Muncy Ranch	SNWA	5/26/2010	P	15.1	18.00	10.2	8.56		
	Muncy Creek at Muncy Ranch	SNWA	5/26/2010	P	14.8	18.00	10.2	8.39		
	Muncy Creek at Muncy Ranch	SNWA	5/26/2010	P	14.4	18.00	10.2	8.16		
	Muncy Creek at Muncy Ranch	SNWA	6/14/2010	P	13	26.00	10.2	5.10		
	Muncy Creek at Muncy Ranch	SNWA	8/31/2010	P	0.932	6.20	10.2	1.53		
	Muncy Creek at Muncy Ranch	SNWA	10/13/2010	P	0.928	6.60	10.2	1.43		
	Muncy Creek at Muncy Ranch	SNWA	11/9/2010	P	1.26	6.90	10.2	1.86		
	Negro Creek near Osceola, NV	SNWA	7/17/2002	F	0.534	5.80	10.2	0.94	<b>1.60</b>	
	Negro Creek near Osceola, NV	SNWA	7/29/2004	F	0.767	5.10	10.4	1.56		
	Negro Creek near Osceola, NV	SNWA	7/28/2005	F	7.76	18.00	10.5	4.53		
	Negro Creek near Osceola, NV	SNWA	8/17/2006	F	3.03	8.80	10.5	3.62		
	Negro Creek near Osceola, NV	SNWA	3/27/2007	F	1.59	8.70	10.4	1.90		
	Negro Creek near Osceola, NV	SNWA	5/8/2007	F	1.87	14.00	10.4	1.39		
	Negro Creek near Osceola, NV	SNWA	6/12/2007	P	1.69	7.50	10.4	2.34		
	Negro Creek near Osceola, NV	SNWA	7/18/2007	P	0.843	7.50	10.4	1.17		
	Negro Creek near Osceola, NV	SNWA	8/28/2007	P	0.708	6.70	10.4	1.10		
	Negro Creek near Osceola, NV	SNWA	9/25/2007	F	0.688	5.50	10.4	1.30		
	Negro Creek near Osceola, NV	SNWA	10/8/2007	F	0.911	6.00	10.3	1.56		
	Negro Creek near Osceola, NV	SNWA	11/29/2007	F	0.981	5.00	10.3	2.02		
	Negro Creek near Osceola, NV	SNWA	2/6/2008	P	0.852	6.00	10.3	1.46		
	Negro Creek near Osceola, NV	SNWA	3/27/2008	F	1.08	14.00	10.3	0.79		
	Negro Creek near Osceola, NV	SNWA	4/10/2008	N		8.40	10.3			
	Negro Creek near Osceola, NV	SNWA	4/28/2008	F	1.01	6.80	10.3	1.53		
	Negro Creek near Osceola, NV	SNWA	6/10/2008	P	1.49	8.90	10.3	1.72		
	Negro Creek near Osceola, NV	SNWA	7/21/2008	F	0.692	5.50	10.3	1.30		
	Negro Creek near Osceola, NV	SNWA	9/8/2008	P	0.483	4.70	10.3	1.06		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Negro Creek near Osceola, NV	SNWA	10/17/2008	P	0.656	5.30	10.2	1.26		
	Negro Creek near Osceola, NV	SNWA	11/5/2008	N		4.80	10.2			
	Negro Creek near Osceola, NV	SNWA	11/7/2008	N		4.80	10.2			
	Negro Creek near Osceola, NV	SNWA	11/19/2008	N		4.80	10.2			
	Negro Creek near Osceola, NV	SNWA	12/10/2008	P	0.6	4.50	10.2	1.36		
	Negro Creek near Osceola, NV	SNWA	2/4/2009	P	0.798	4.60	10.2	1.77		
	Negro Creek near Osceola, NV	SNWA	4/13/2009	F	0.671	7.30	10.2	0.94		
	Negro Creek near Osceola, NV	SNWA	5/14/2009	F	1.26	23.00	10.2	0.56		
	Negro Creek near Osceola, NV	SNWA	5/27/2009	P	1.59	18.00	10.2	0.90		
	Negro Creek near Osceola, NV	SNWA	7/7/2009	F	1.79	9.00	10.2	2.03		
	Negro Creek near Osceola, NV	SNWA	7/15/2009	P	1.44	7.70	10.2	1.91		
	Negro Creek near Osceola, NV	SNWA	8/19/2009	P	0.866	5.50	10.2	1.61		
	Negro Creek near Osceola, NV	SNWA	9/15/2009	P	0.805	5.40	10.2	1.52		
	Negro Creek near Osceola, NV	SNWA	10/6/2009	P	0.743	5.50	10.2	1.38		
	Negro Creek near Osceola, NV	SNWA	11/18/2009	P	0.923	5.40	10.2	1.74		
	Negro Creek near Osceola, NV	SNWA	1/7/2010	P	0.803	5.30	10.2	1.55		
	Negro Creek near Osceola, NV	SNWA	2/24/2010	P	0.867	6.00	10.2	1.47		
	Negro Creek near Osceola, NV	SNWA	3/30/2010	F	0.825	7.30	10.2	1.15		
	Negro Creek near Osceola, NV	SNWA	5/10/2010	N		16.00	10.2			
	Negro Creek near Osceola, NV	SNWA	6/17/2010	F	3.6	22.00	10.2	1.67		
	Negro Creek near Osceola, NV	SNWA	11/10/2010	P	1.42	7.20	10.4	2.05		
	New Moon Creek		4/15/1926	U	0.08	7.90	10.4	0.1053	<b>0.06</b>	
	New Moon Creek		6/2/1984	U	0.10	57.00	10.4	0.0182		
	North Creek at Mountain Block above Robinson Ranch	SNWA	8/15/2006	E	0.011	8.20	10.5	0.01	<b>0.45</b>	
	North Creek at Mountain Block above Robinson Ranch	SNWA	2/22/2007	N		8.80	10.4			
	North Creek at Mountain Block above Robinson Ranch	SNWA	3/27/2007	F	0.476	8.70	10.4	0.57		
	North Creek at Mountain Block above Robinson Ranch	SNWA	5/8/2007	P	1.5	14.00	10.4	1.11		
	North Creek at Mountain Block above Robinson Ranch	SNWA	6/13/2007	P	0.437	7.40	10.4	0.61		
	North Creek at Mountain Block above Robinson Ranch	SNWA	7/17/2007	E	0	7.60	10.4	0.00		

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	North Creek at Mountain Block above Robinson Ranch	SNWA	8/29/2007	E	0	6.40	10.4	0.00		
	North Creek at Mountain Block above Robinson Ranch	SNWA	10/9/2007	E	0	5.80	10.3	0.00		
	North Creek at Mountain Block above Robinson Ranch	SNWA	2/5/2008	N		3.00	10.3			
	North Creek at Mountain Block above Robinson Ranch	SNWA	3/26/2008	P	0.286	12.00	10.3	0.25		
	North Creek at Mountain Block above Robinson Ranch	SNWA	4/29/2008	P	0.475	8.40	10.3	0.58		
	North Creek at Mountain Block above Robinson Ranch	SNWA	6/10/2008	F	0.985	8.90	10.3	1.14		
	North Creek at Mountain Block above Robinson Ranch	SNWA	7/22/2008	E	0	5.30	10.3	0.00		
	North Creek at Mountain Block above Robinson Ranch	SNWA	9/9/2008	E	0	5.10	10.3	0.00		
	North Creek at Mountain Block above Robinson Ranch	SNWA	10/15/2008	E	0	5.50	10.2	0.00		
	North Creek at Mountain Block above Robinson Ranch	SNWA	12/9/2008	E	0	4.40	10.2	0.00		
	North Creek at Mountain Block above Robinson Ranch	SNWA	2/3/2009	P	0.043	4.60	10.2	0.10		
	North Creek at Mountain Block above Robinson Ranch	SNWA	4/15/2009	P	0.958	8.30	10.2	1.18		
	North Creek at Mountain Block above Robinson Ranch	SNWA	5/27/2009	F	3.04	18.00	10.2	1.72		
	North Creek at Mountain Block above Robinson Ranch	SNWA	7/8/2009	P	0.607	8.70	10.2	0.71		
	North Creek at Mountain Block above Robinson Ranch	SNWA	11/18/2009	N		5.40	10.2			
	North Creek at Mountain Block above Robinson Ranch	SNWA	6/16/2010	P	2.13	23.00	10.2	0.94		
	North Creek at Mountain Block above Robinson Ranch	SNWA	11/10/2010	E	0	7.20	10.4	0.00		
	North Creek at Sunkist, NV	USGS	7/14/1964	U	2.23	8.40	10.4	2.76	<b>1.29</b>	
	North Creek at Sunkist, NV	SNWA	7/17/1996	F	1.13	7.50	10.1	1.52		
	North Creek at Sunkist, NV	SNWA	7/14/1998	F	3.11	21.00	10.3	1.53		
	North Creek at Sunkist, NV	SNWA	7/17/1998	F	2.74	18.00	10.3	1.57		
	North Creek at Sunkist, NV	SNWA	7/12/1999	F	2.4	16.00	10.4	1.56		
	North Creek at Sunkist, NV	SNWA	7/24/2000	F	0.6	7.20	10.4	0.87		
	North Creek at Sunkist, NV	SNWA	7/25/2000	F	0.656	7.20	10.4	0.95		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
	North Creek at Sunkist, NV	SNWA	7/25/2000	F	0.554	7.20	10.4	0.80		
	North Creek at Sunkist, NV	SNWA	7/25/2000	F	0.611	7.20	10.4	0.88		
	North Creek at Sunkist, NV	SNWA	7/25/2000	F	0.572	7.20	10.4	0.83		
	North Creek at Sunkist, NV	SNWA	8/6/2001	G	0.37	6.10	10.3	0.62		
	North Creek at Sunkist, NV	SNWA	8/9/2001	F	0.421	6.30	10.3	0.69		
	North Creek at Sunkist, NV	SNWA	7/16/2002	F	0.68	6.00	10.2	1.16		
	North Creek at Sunkist, NV	SNWA	8/6/2003	G	0.67	5.80	10.1	1.17		
	North Creek at Sunkist, NV	SNWA	7/28/2004	F	0.564	5.30	10.4	1.11		
	North Creek at Sunkist, NV	SNWA	7/28/2005	F	2.05	18.00	10.5	1.20		
	North Creek at Sunkist, NV	SNWA	10/25/2005	F	0.981	11.00	10.5	0.94		
	North Creek at Sunkist, NV	SNWA	8/16/2006	P	1.42	8.30	10.5	1.80		
	North Creek at Sunkist, NV	SNWA	2/5/2007	N		7.00	10.4			
	North Creek at Sunkist, NV	SNWA	2/13/2007	P	0.768	8.80	10.4	0.91		
	North Creek at Sunkist, NV	SNWA	3/27/2007	P	0.762	8.70	10.4	0.91		
	North Creek at Sunkist, NV	SNWA	5/8/2007	P	0.813	15.00	10.4	0.56		
	North Creek at Sunkist, NV	SNWA	6/13/2007	P	0.652	7.40	10.4	0.92		
	North Creek at Sunkist, NV	SNWA	7/17/2007	P	0.816	7.60	10.4	1.12		
	North Creek at Sunkist, NV	SNWA	8/28/2007	F	0.617	6.70	10.4	0.96		
	North Creek at Sunkist, NV	SNWA	10/9/2007	F	0.747	5.80	10.3	1.33		
	North Creek at Sunkist, NV	SNWA	11/27/2007	F	1.12	6.10	10.3	1.89		
	North Creek at Sunkist, NV	SNWA	2/5/2008	N		6.00	10.3			
	North Creek at Sunkist, NV	SNWA	3/26/2008	P	1.07	12.00	10.3	0.92		
	North Creek at Sunkist, NV	SNWA	4/29/2008	P	0.858	8.40	10.3	1.05		
	North Creek at Sunkist, NV	SNWA	6/10/2008	P	0.724	8.90	10.3	0.84		
	North Creek at Sunkist, NV	SNWA	7/22/2008	P	0.765	5.30	10.3	1.49		
	North Creek at Sunkist, NV	SNWA	9/9/2008	P	0.761	5.10	10.3	1.54		
	North Creek at Sunkist, NV	SNWA	10/14/2008	P	1.05	5.60	10.2	1.91		
	North Creek at Sunkist, NV	SNWA	12/9/2008	P	0.986	4.40	10.2	2.29		
	North Creek at Sunkist, NV	SNWA	2/3/2009	P	0.838	4.60	10.2	1.86		
	North Creek at Sunkist, NV	SNWA	5/28/2009	P	1.13	17.00	10.2	0.68		
	North Creek at Sunkist, NV	SNWA	7/8/2009	U	1.26	8.70	10.2	1.48		
	North Creek at Sunkist, NV	SNWA	8/18/2009	P	0.709	5.60	10.2	1.29		
	North Creek at Sunkist, NV	SNWA	11/17/2009	F	0.906	5.40	10.2	1.71		
	North Creek at Sunkist, NV	SNWA	6/14/2010	P	4.72	26.00	10.2	1.85		
	North Creek at Sunkist, NV	SNWA	6/14/2010	P	4.93	26.00	10.2	1.93		
	North Creek at Sunkist, NV	NDWR	10/15/2010	G	0.77	6.20	10.4	1.29		
	North Creek at Sunkist, NV	SNWA	11/9/2010	P	0.879	6.90	10.4	1.32		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243745	Odgers Creek near Piermont, NV	USGS	11/7/1972	U	1.4				2.30	
10243745	Odgers Creek near Piermont, NV	USGS	1/24/1973	U	1.01					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	4/26/1973	U	2.33					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	5/21/1973	U	10.9					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	7/25/1973	U	2.26					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	9/18/1973	U	2.12					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	10/30/1973	U	1.7					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	12/11/1973	U	1.2					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	1/30/1974	U	1					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	3/18/1974	U	1.57					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	5/14/1974	U	2.27					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	6/12/1974	U	5.48					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	8/20/1974	U	1.46					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	10/1/1974	U	0.76					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	1/14/1975	U	1.19					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	5/19/1975	U	5.16					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	6/12/1975	U	16.8					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	9/18/1975	U	1.75					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	4/21/1976	U	1.02					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	6/23/1976	U	2.07					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	8/19/1976	U	1.94					Mean Daily Data for Cleve Creek Not Available
10243745	Odgers Creek near Piermont, NV	USGS	10/13/1976	U	0.95	7.40	10.4	1.34		
10243745	Odgers Creek near Piermont, NV	USGS	2/23/1977	U	1.31	5.20	10.4	2.62		
10243745	Odgers Creek near Piermont, NV	USGS	4/21/1977	U	1.03	6.60	10.4	1.62		
10243745	Odgers Creek near Piermont, NV	USGS	8/24/1977	U	1.49	7.30	10.4	2.12		
10243745	Odgers Creek near Piermont, NV	USGS	4/19/1978	U	1.98	16.00	10.4	1.29		
10243745	Odgers Creek near Piermont, NV	USGS	5/18/1978	U	5.35	45.00	10.4	1.24		
10243745	Odgers Creek near Piermont, NV	USGS	7/24/1978	U	2.77	9.20	10.4	3.13		
10243745	Odgers Creek near Piermont, NV	USGS	10/2/1978	U	1.34	6.20	10.4	2.25		
10243745	Odgers Creek near Piermont, NV	USGS	2/21/1979	U	1.24	8.50	10.4	1.52		
10243745	Odgers Creek near Piermont, NV	USGS	5/22/1979	U	5.24	39.00	10.4	1.40		
10243745	Odgers Creek near Piermont, NV	USGS	9/18/1979	U	0.7	6.60	10.4	1.10		
10243745	Odgers Creek near Piermont, NV	USGS	1/23/1980	U	0.67	8.70	10.4	0.80		
10243745	Odgers Creek near Piermont, NV	USGS	7/16/1991	U	2.51	6.70	10.4	3.90		
10243745	Odgers Creek near Piermont, NV	USGS	10/23/1991	U	1.24	5.60	10.4	2.30		
10243745	Odgers Creek near Piermont, NV	USGS	12/3/1991	U	0.98	5.70	10.4	1.79		
10243745	Odgers Creek near Piermont, NV	USGS	3/17/1992	U	1.06	6.40	10.4	1.72		
10243745	Odgers Creek near Piermont, NV	USGS	6/24/1992	U	1.41	4.70	10.4	3.12		
10243745	Odgers Creek near Piermont, NV	USGS	10/14/1992	P	0.94	4.40	10.4	2.22		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
10243745	Odgers Creek near Piermont, NV	USGS	2/11/1993	P	0.79	5.30	10.4	1.55		
10243745	Odgers Creek near Piermont, NV	USGS	4/7/1993	F	1.35	9.60	10.4	1.46		
10243745	Odgers Creek near Piermont, NV	USGS	6/21/1993	F	5.56	14.00	10.4	4.13		
10243745	Odgers Creek near Piermont, NV	SNWA	6/24/1993	F	6.93	14.00	10.4	5.15		
10243745	Odgers Creek near Piermont, NV	USGS	9/20/1993	P	1.13	6.60	10.4	1.78		
10243745	Odgers Creek near Piermont, NV	USGS	12/21/1993	P	1.24	4.80	10.4	2.69		
10243745	Odgers Creek near Piermont, NV	USGS	3/22/1994	U	1.01	6.00	10.4	1.75		
10243745	Odgers Creek near Piermont, NV	USGS	6/14/1994	P	3.43	7.70	10.4	4.63		
10243745	Odgers Creek near Piermont, NV	USGS	9/7/1994	P	0.87	5.20	10.4	1.74		
10243745	Odgers Creek near Piermont, NV	USGS	12/14/1994	P	1.07	4.60	10.2	2.37		
10243745	Odgers Creek near Piermont, NV	USGS	3/27/1995	P	1.59	8.70	10.2	1.86		
10243745	Odgers Creek near Piermont, NV	USGS	6/26/1995	P	9.73	61.00	10.2	1.63		
10243745	Odgers Creek near Piermont, NV	USGS	9/18/1995	P	1.79	9.30	10.2	1.96		
10243745	Odgers Creek near Piermont, NV	USGS	12/13/1995	F	1.3	8.20	10.1	1.60		
10243745	Odgers Creek near Piermont, NV	USGS	3/20/1996	P	1.67	11.00	10.1	1.53		
10243745	Odgers Creek near Piermont, NV	USGS	6/27/1996	P	4.71	8.40	10.1	5.66		
10243745	Odgers Creek near Piermont, NV	SNWA	7/18/1996	F	2.18	7.30	10.1	3.02		
10243745	Odgers Creek near Piermont, NV	USGS	9/17/1996	P	1.99	7.10	10.1	2.83		
10243745	Odgers Creek near Piermont, NV	USGS	12/10/1996	P	1.53	7.50	10.2	2.08		
10243745	Odgers Creek near Piermont, NV	USGS	3/12/1997	P	1.2	7.40	10.2	1.65		
10243745	Odgers Creek near Piermont, NV	USGS	6/5/1997	F	8	16.00	10.2	5.10		
10243745	Odgers Creek near Piermont, NV	USGS	8/27/1997	F	1.84	8.40	10.2	2.23		
10243745	Odgers Creek near Piermont, NV	USGS	11/18/1997	F	1.99	7.80	10.3	2.63		
10243745	Odgers Creek near Piermont, NV	SNWA	7/15/1998	F	6.39	19.00	10.3	3.46		
10243745	Odgers Creek near Piermont, NV	SNWA	7/17/1998	F	6.34	18.00	10.3	3.63		
10243745	Odgers Creek near Piermont, NV	SNWA	7/15/1999	G	4.35	15.00	10.4	3.02		
10243745	Odgers Creek near Piermont, NV	SNWA	7/24/2000	F	2	7.20	10.4	2.89		
10243745	Odgers Creek near Piermont, NV	SNWA	8/7/2001	F	1.34	6.10	10.1	2.22		
10243745	Odgers Creek near Piermont, NV	SNWA	7/29/2004	F	1.25	5.10	10.4	2.55		
10243745	Odgers Creek near Piermont, NV	SNWA	10/24/2005	F	1.98	11.00	10.5	1.89		
10243745	Odgers Creek near Piermont, NV	SNWA	7/25/2006	F	1.84	11.00	10.5	1.76		
10243745	Odgers Creek near Piermont, NV	SNWA	2/15/2007	F	0.791	8.60	10.4	0.96		
10243745	Odgers Creek near Piermont, NV	SNWA	2/22/2007	F	1.18	8.80	10.4	1.39		
10243745	Odgers Creek near Piermont, NV	SNWA	3/28/2007	P	1.32	8.60	10.4	1.60		
10243745	Odgers Creek near Piermont, NV	SNWA	5/9/2007	P	2.1	14.00	10.4	1.56		
10243745	Odgers Creek near Piermont, NV	SNWA	6/14/2007	P	2.86	7.10	10.4	4.19		
10243745	Odgers Creek near Piermont, NV	SNWA	7/19/2007	P	1.41	7.50	10.4	1.96		
10243745	Odgers Creek near Piermont, NV	SNWA	8/29/2007	P	1.2	6.40	10.4	1.95		
10243745	Odgers Creek near Piermont, NV	SNWA	10/10/2007	P	1.09	5.80	10.3	1.94		



Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243745	Odgers Creek near Piermont, NV	SNWA	11/2/2007	P	1.04	5.80	10.3	1.85		
10243745	Odgers Creek near Piermont, NV	SNWA	11/28/2007	P	0.893	5.00	10.3	1.84		
10243745	Odgers Creek near Piermont, NV	SNWA	2/5/2008	N		6.00	10.3			
10243745	Odgers Creek near Piermont, NV	SNWA	3/27/2008	P	0.902	14.00	10.3	0.66		
10243745	Odgers Creek near Piermont, NV	SNWA	4/29/2008	P	0.956	8.40	10.3	1.17		
10243745	Odgers Creek near Piermont, NV	SNWA	6/11/2008	P	2.33	9.10	10.3	2.64		
10243745	Odgers Creek near Piermont, NV	SNWA	7/22/2008	P	1.28	5.30	10.3	2.49		
10243745	Odgers Creek near Piermont, NV	SNWA	9/9/2008	P	1.17	5.10	10.3	2.36		
10243745	Odgers Creek near Piermont, NV	SNWA	10/14/2008	P	0.968	5.60	10.2	1.76		
10243745	Odgers Creek near Piermont, NV	SNWA	12/9/2008	P	1.08	4.40	10.2	2.50		
10243745	Odgers Creek near Piermont, NV	SNWA	12/16/2008	N		3.60	10.2			
10243745	Odgers Creek near Piermont, NV	SNWA	12/18/2008	N		3.50	10.2			
10243745	Odgers Creek near Piermont, NV	SNWA	2/3/2009	P	0.75	4.60	10.2	1.66		
10243745	Odgers Creek near Piermont, NV	SNWA	4/16/2009	P	0.859	7.90	10.2	1.11		
10243745	Odgers Creek near Piermont, NV	SNWA	5/14/2009	P	5.19	23.00	10.2	2.30		
10243745	Odgers Creek near Piermont, NV	SNWA	5/28/2009	P	6.24	17.00	10.2	3.74		
10243745	Odgers Creek near Piermont, NV	SNWA	7/7/2009	P	3.92	9.00	10.2	4.44		
10243745	Odgers Creek near Piermont, NV	SNWA	8/18/2009	P	1.17	5.60	10.2	2.13		
10243745	Odgers Creek near Piermont, NV	SNWA	9/16/2009	P	1.11	5.20	10.2	2.18		
10243745	Odgers Creek near Piermont, NV	SNWA	10/7/2009	P	0.983	5.60	10.2	1.79		
10243745	Odgers Creek near Piermont, NV	SNWA	11/19/2009	P	1.19	5.30	10.2	2.29		
10243745	Odgers Creek near Piermont, NV	SNWA	1/5/2010	P	0.928	5.40	10.2	1.75		
10243745	Odgers Creek near Piermont, NV	SNWA	2/23/2010	P	0.977	7.70	10.2	1.29		
10243745	Odgers Creek near Piermont, NV	SNWA	3/30/2010	P	1.1	7.30	10.2	1.54		
10243745	Odgers Creek near Piermont, NV	SNWA	5/25/2010	P	3.96	18.00	10.2	2.24		
10243745	Odgers Creek near Piermont, NV	SNWA	5/25/2010	P	3.87	18.00	10.2	2.19		
10243745	Odgers Creek near Piermont, NV	SNWA	6/16/2010	P	9.52	23.00	10.2	4.22		
10243745	Odgers Creek near Piermont, NV	SNWA	6/18/2010	N		20.00	10.2			
10243745	Odgers Creek near Piermont, NV	SNWA	7/27/2010	P	3.1	9.50	10.2	3.33		
10243745	Odgers Creek near Piermont, NV	SNWA	8/31/2010	P	1.69	6.20	10.2	2.78		
10243745	Odgers Creek near Piermont, NV	SNWA	10/12/2010	P	1.24	6.70	10.4	1.92		
10243745	Odgers Creek near Piermont, NV	NDWR	10/14/2010	G	1.19	6.40	10.4	1.93		
10243745	Odgers Creek near Piermont, NV	SNWA	11/9/2010	P	1.37	6.90	10.4	2.06		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	7/18/1972	U	0.91				2.01	Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	11/1/1972	U	1.39					Mean Daily Data for Cleve Creek Not Available

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	1/24/1973	U	1.08					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	4/26/1973	U	5.69					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	5/21/1973	U	26					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	7/25/1973	U	1.5					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	9/18/1973	U	1.14					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	5/14/1974	U	6.32					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	6/12/1974	U	4.23					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	8/20/1974	U	0.52					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	10/1/1974	U	0.49					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	1/14/1975	U	1.78					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	5/19/1975	U	30.4					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	6/12/1975	U	22.8					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	9/18/1975	U	1.48					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	4/21/1976	U	2.17					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	6/23/1976	U	2.38					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	8/19/1976	U	0.79					Mean Daily Data for Cleve Creek Not Available
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	10/13/1976	U	1.14	7.40	10.4	1.60		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	2/23/1977	U	1.06	5.20	10.4	2.12		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	4/21/1977	U	1.95	6.60	10.4	3.07		

<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	8/24/1977	U	1.04	7.30	10.4	1.48		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	4/19/1978	U	4.95	16.00	10.4	3.22		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	5/18/1978	U	11.2	45.00	10.4	2.59		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	7/24/1978	U	1.53	9.20	10.4	1.73		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	10/2/1978	U	1.08	6.20	10.4	1.81		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	2/21/1979	U	1.06	8.50	10.4	1.30		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	5/22/1979	U	14.1	39.00	10.4	3.76		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	9/18/1979	U	0.74	6.60	10.4	1.17		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	1/23/1980	U	1.05	8.70	10.4	1.26		
10243760	Piermont Creek at Mountain Block at Piermont, NV	USGS	12/8/1982	U	2.6	12.00	10.4	2.25		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/16/1996	G	1.09	8.00	10.4	1.42		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/14/1998	F	5.94	21.00	10.3	2.91		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/15/1998	F	6.47	19.00	10.3	3.51		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/17/1998	F	4.96	18.00	10.3	2.84		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/14/1999	G	2.91	17.00	10.4	1.78		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/14/1999	G	2.9	17.00	10.4	1.77		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/14/1999	G	2.87	17.00	10.4	1.76		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/14/1999	G	2.74	17.00	10.4	1.68		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/14/1999	G	2.83	17.00	10.4	1.73		

<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/14/1999	G	2.74	17.00	10.4	1.68		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/14/1999	G	2.82	17.00	10.4	1.73		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/24/2000	G	0.923	7.20	10.4	1.33		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/27/2000	F	0.682	6.90	10.4	1.03		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/27/2000	F	0.733	6.90	10.4	1.10		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	8/8/2001	F	0.511	6.30	10.1	0.82		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	8/9/2001	G	0.703	6.30	10.1	1.13		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/16/2002	P	1.11	6.00	10.2	1.89		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	8/7/2003	F	0.562	5.80	10.1	0.98		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/28/2004	F	0.558	5.30	10.4	1.09		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/28/2005	P	1.96	18.00	10.5	1.14		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	10/25/2005	F	1.96	11.00	10.5	1.87		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/27/2006	F	1.46	10.00	10.5	1.53		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	2/15/2007	F	1.26	8.60	10.4	1.52		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	3/28/2007	P	1.74	8.60	10.4	2.10		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	5/8/2007	P	3.96	14.00	10.4	2.94		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	6/13/2007	G	2.51	7.40	10.4	3.53		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/19/2007	F	0.98	7.50	10.4	1.36		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	8/29/2007	F	0.615	6.40	10.4	1.00		

<b>USGS Site ID</b>	<b>Station</b>	<b>Data Source</b>	<b>Measure Date</b>	<b>Rating Code</b>	<b>Discharge <math>Q_a</math> (cfs)</b>	<b>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</b>	<b>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</b>	<b><math>(Q_a / Q_b) \times Q_M</math></b>	<b>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</b>	<b>Notes</b>
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	10/10/2007	F	1.02	5.80	10.3	1.81		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	11/27/2007	N		6.10	10.3			
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	11/29/2007	F	0.914	5.00	10.3	1.88		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	2/5/2008	N		6.00	10.3			
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	3/26/2008	F	2	12.00	10.3	1.72		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	4/29/2008	F	1.69	8.40	10.3	2.07		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	6/10/2008	G	2.67	8.90	10.3	3.09		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/22/2008	F	0.883	5.30	10.3	1.72		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	9/10/2008	P	0.661	5.30	10.3	1.28		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	10/15/2008	P	0.881	5.50	10.2	1.63		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	12/9/2008	P	0.725	4.40	10.2	1.68		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	2/5/2009	P	1.05	4.60	10.2	2.33		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	5/28/2009	P	10.4	17.00	10.2	6.24		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	7/7/2009	F	3.8	9.00	10.2	4.31		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	8/19/2009	P	0.935	5.50	10.2	1.73		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	11/18/2009	G	1.08	5.40	10.2	2.04		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	6/16/2010	F	8.66	23.00	10.2	3.84		
10243760	Piermont Creek at Mountain Block at Piermont, NV	NDWR	10/14/2010	G	0.71	6.40	10.4	1.15		
10243760	Piermont Creek at Mountain Block at Piermont, NV	SNWA	11/10/2010	F	1.07	7.20	10.4	1.55		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge <math>Q_a</math> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</i>	<i><math>(Q_a / Q_b) \times Q_M</math></i>	<i>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</i>	<i>Notes</i>
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	8/16/2006	F	0.933	8.30	10.5	1.18	<b>1.23</b>	
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	2/20/2007	P	1	8.50	10.4	1.22		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	3/26/2007	F	0.563	8.60	10.4	0.68		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	5/8/2007	P	0.817	14.00	10.4	0.61		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	6/11/2007	P	0.871	7.60	10.4	1.19		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	7/18/2007	F	0.691	7.50	10.4	0.96		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	8/28/2007	P	0.621	6.70	10.4	0.96		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	9/25/2007	F	0.72	5.50	10.4	1.36		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	10/9/2007	P	0.768	5.80	10.3	1.36		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	11/29/2007	F	0.604	5.00	10.3	1.24		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	3/25/2008	F	0.573	12.00	10.3	0.49		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	4/29/2008	F	0.77	8.40	10.3	0.94		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	6/12/2008	F	0.969	9.20	10.3	1.08		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	7/23/2008	F	0.72	5.10	10.3	1.45		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	9/10/2008	F	0.696	5.30	10.3	1.35		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	10/16/2008	F	0.558	5.40	10.2	1.05		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	12/10/2008	F	0.736	4.50	10.2	1.67		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	2/3/2009	N		4.60	10.2			
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	4/14/2009	F	0.778	8.30	10.2	0.96		

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	5/27/2009	F	2.22	18.00	10.2	1.26		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	7/8/2009	P	1.73	8.70	10.2	2.03		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	8/20/2009	P	1.42	5.40	10.2	2.68		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	11/17/2009	P	0.826	5.40	10.2	1.56		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	6/14/2010	P	2.3	26.00	10.2	0.90		
	Pine and Ridge Creeks below Confluence (Site 2)	SNWA	11/10/2010	P	0.878	7.20	10.4	1.27		
	Ranger Creek at road crossing	SNWA	7/25/2006	P	0.061	11.00	10.5	0.06	<b>0.05</b>	
	Ranger Creek at road crossing	SNWA	2/20/2007	G	0.184	8.50	10.4	0.23		
	Ranger Creek at road crossing	SNWA	3/26/2007	G	0.024	8.60	10.4	0.03		
	Ranger Creek at road crossing	SNWA	5/7/2007	G	0.085	15.00	10.4	0.06		
	Ranger Creek at road crossing	SNWA	6/14/2007	E	0.032	7.10	10.4	0.05		
	Ranger Creek at road crossing	SNWA	7/23/2007	E	0	6.90	10.4	0.00		
	Ranger Creek at road crossing	SNWA	8/29/2007	E	0	6.40	10.4	0.00		
	Ranger Creek at road crossing	SNWA	10/9/2007	P	0.005	5.80	10.3	0.01		
	Ranger Creek at road crossing	SNWA	11/28/2007	P	0.004	5.00	10.3	0.01		
	Ranger Creek at road crossing	SNWA	2/5/2008	N		6.00	10.3			
	Ranger Creek at road crossing	SNWA	3/25/2008	G	0.022	12.00	10.3	0.02		
	Ranger Creek at road crossing	SNWA	4/30/2008	E	0.046	10.00	10.3	0.05		
	Ranger Creek at road crossing	SNWA	6/11/2008	E	0.165	9.10	10.3	0.19		
	Ranger Creek at road crossing	SNWA	7/23/2008	G	0.002	5.10	10.3	0.00		
	Ranger Creek at road crossing	SNWA	9/8/2008	G	0.001	4.70	10.3	0.00		
	Shingle Creek at mountain block	SNWA	7/26/2006	F	1.14	10.00	10.5	1.20	<b>1.33</b>	
	Shingle Creek at mountain block	SNWA	2/20/2007	F	1.27	8.50	10.4	1.55		
	Shingle Creek at mountain block	SNWA	3/25/2007	P	0.558	8.30	10.4	0.70		
	Shingle Creek at mountain block	SNWA	6/12/2007	P	0.865	7.50	10.4	1.20		
	Shingle Creek at mountain block	SNWA	7/18/2007	P	0.399	7.50	10.4	0.55		
	Shingle Creek at mountain block	SNWA	8/28/2007	P	0.524	6.70	10.4	0.81		
	Shingle Creek at mountain block	SNWA	10/9/2007	P	0.816	5.80	10.3	1.45		
	Shingle Creek at mountain block	SNWA	11/29/2007	F	0.951	5.00	10.3	1.96		

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Shingle Creek at mountain block	SNWA	2/6/2008	N		6.00	10.3			
	Shingle Creek at mountain block	SNWA	3/25/2008	P	0.889	12.00	10.3	0.76		
	Shingle Creek at mountain block	SNWA	4/29/2008	F	1.03	8.40	10.3	1.26		
	Shingle Creek at mountain block	SNWA	6/12/2008	P	1.24	9.20	10.3	1.39		
	Shingle Creek at mountain block	SNWA	7/23/2008	P	0.456	5.10	10.3	0.92		
	Shingle Creek at mountain block	SNWA	9/10/2008	P	0.585	5.00	10.3	1.21		
	Shingle Creek at mountain block	SNWA	10/16/2008	P	0.609	5.40	10.2	1.15		
	Shingle Creek at mountain block	SNWA	4/15/2009	F	0.83	8.30	10.2	1.02		
	Shingle Creek at mountain block	SNWA	5/27/2009	P	3.44	18.00	10.2	1.95		
	Shingle Creek at mountain block	SNWA	7/8/2009	P	1.49	8.70	10.2	1.75		
	Shingle Creek at mountain block	SNWA	8/20/2009	P	1.02	5.40	10.2	1.93		
	Shingle Creek at mountain block	SNWA	11/17/2009	P	0.936	5.40	10.2	1.77		
	Shingle Creek at mountain block	SNWA	6/12/2010	P	5.73	34.00	10.2	1.72		
	Shingle Creek above Diversion	NDWR	10/13/2010	F	1.074	6.60	10.4	1.69		
	Shingle Creek at mountain block	SNWA	11/10/2010	P	0.979	7.20	10.4	1.41		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	9/5/2002	P	0.63	5.00	10.2	1.29	<b>1.32</b>	
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	10/11/2002	P	0.71	4.90	10.1	1.46		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	11/15/2002	P	0.81	5.80	10.1	1.41		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	1/9/2003	P	0.7	5.10	10.1	1.39		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	5/6/2003	P	0.95	8.40	10.1	1.14		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	6/11/2003	F	2.02	17.00	10.1	1.20		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	6/11/2003	P	1.99	17.00	10.1	1.18		



<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	6/11/2003	P	2.05	17.00	10.1	1.22		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	6/11/2003	P	2.01	17.00	10.1	1.19		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	9/16/2003	P	0.74	5.20	10.1	1.44		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	10/9/2003	P	0.73	5.40	10.4	1.41		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	10/9/2003	P	0.72	5.40	10.4	1.39		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	10/9/2003	P	0.73	5.40	10.4	1.41		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	10/9/2003	P	0.74	5.40	10.4	1.43		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	3/16/2004	P	0.73	7.50	10.4	1.01		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	7/15/2004	P	0.76	5.50	10.4	1.44		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	USGS	10/5/2004	P	0.59	5.40	10.5	1.15		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	SNWA	12/15/2008	P	0.611	3.70	10.3	1.70		
10243640	Shingle Creek near Great Basin National Park boundary near Osceola, Nevada	SNWA	2/3/2009	N		4.60	10.2			
	Siegel Creek at Mountain Block	SNWA	7/16/1996	F	1.3	8.00	10.1	1.64	<b>1.01</b>	

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Siegel Creek at Mountain Block	SNWA	7/13/1998	F	2.65	22.00	10.3	1.24		
	Siegel Creek at Mountain Block	SNWA	7/12/1999	G	2.66	16.00	10.4	1.73		
	Siegel Creek at Mountain Block	SNWA	7/24/2000	F	0.25	7.20	10.4	0.36		
	Siegel Creek at Mountain Block	SNWA	7/26/2000	F	0.474	7.00	10.4	0.70		
	Siegel Creek at Mountain Block	SNWA	8/6/2001	F	0.12	6.10	10.3	0.20		
	Siegel Creek at Mountain Block	SNWA	7/16/2002	F	0.21	6.00	10.2	0.36		
	Siegel Creek at Mountain Block	SNWA	8/6/2003	F	0.67	5.80	10.1	1.17		
	Siegel Creek at Mountain Block	SNWA	7/28/2004	F	0.29	5.30	10.4	0.57		
	Siegel Creek at Mountain Block	SNWA	7/28/2005	F	2.95	18.00	10.5	1.72		
	Siegel Creek at Mountain Block	SNWA	8/16/2006	F	0.895	8.30	10.5	1.13		
	Siegel Creek at Mountain Block	NDWR	10/15/2010	F	0.790	6.20	10.2	1.30		
	South Taft Creek at Mountain Block	SNWA	7/25/2006	F	0.718	11.00	10.5	0.69	<b>0.56</b>	
	South Taft Creek at Mountain Block	SNWA	2/20/2007	P	0.15	8.50	10.4	0.18		
	South Taft Creek at Mountain Block	SNWA	3/26/2007	F	0.324	8.60	10.4	0.39		
	South Taft Creek at Mountain Block	SNWA	5/7/2007	F	1.2	15.00	10.4	0.83		
	South Taft Creek at Mountain Block	SNWA	6/14/2007	P	0.688	7.10	10.4	1.01		
	South Taft Creek at Mountain Block	SNWA	7/23/2007	P	0.301	6.90	10.4	0.45		
	South Taft Creek at Mountain Block	SNWA	8/29/2007	G	0.069	6.40	10.4	0.11		
	South Taft Creek at Mountain Block	SNWA	10/9/2007	G	0.117	5.80	10.3	0.21		
	South Taft Creek at Mountain Block	SNWA	11/28/2007	E	0.082	5.00	10.3	0.17		
	South Taft Creek at Mountain Block	SNWA	2/5/2008	N		6.00	10.3			
	South Taft Creek at Mountain Block	SNWA	3/24/2008	E	0.088	11.00	10.3	0.08		
	South Taft Creek at Mountain Block	SNWA	4/30/2008	G	0.149	10.00	10.3	0.15		
	South Taft Creek at Mountain Block	SNWA	6/11/2008	P	1.78	9.10	10.3	2.01		
	South Taft Creek at Mountain Block	SNWA	7/23/2008	P	0.363	5.10	10.3	0.73		
	South Taft Creek at Mountain Block	SNWA	9/8/2008	P	0.16	4.70	10.3	0.35		
	South Taft Creek at Mountain Block	SNWA	10/16/2008	P	0.11	5.40	10.2	0.21		
	South Taft Creek at Mountain Block	SNWA	12/11/2008	E	0.075	4.50	10.2	0.17		
	South Taft Creek at Mountain Block	SNWA	2/3/2009	E	0.069	4.60	10.2	0.15		
	South Taft Creek at Mountain Block	SNWA	4/16/2009	E	0.117	7.90	10.2	0.15		
	South Taft Creek at Mountain Block	SNWA	5/27/2009	P	3.31	18.00	10.2	1.88		
	South Taft Creek at Mountain Block	SNWA	7/9/2009	P	0.918	8.50	10.2	1.10		
	South Taft Creek at Mountain Block	SNWA	8/18/2009	P	0.343	5.60	10.2	0.62		
	South Taft Creek at Mountain Block	SNWA	11/19/2009	P	0.098	5.30	10.2	0.19		
	South Taft Creek at Mountain Block	SNWA	6/17/2010	P	3.97	22.00	10.2	1.84		
	South Taft Creek at Mountain Block	NDWR	10/14/2010	G	0.09	6.40	10.4	0.15		
	South Taft Creek at Mountain Block	SNWA	11/10/2010	E	0.184	7.20	10.4	0.27		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Stage Canyon	SNWA	7/13/1998	F	0.15	22.00	10.3	0.0702	<b>0.03</b>	
	Stage Canyon	SNWA	7/12/1999	F	0.09	16.00	10.4	0.0585		
	Stage Canyon	SNWA	7/24/2000	F	0.00	7.20	10.4	0.0000		
	Stage Canyon	SNWA	8/6/2001	F	0.00	6.10	10.3	0.0000		
	Stage Canyon	NDWR	10/15/2010	G	0.00	6.20	10.2	0.0000		
	Stephens Creek at Mountain Block	SNWA	7/25/2006	F	0.994	11.00	10.5	0.95	<b>0.67</b>	
	Stephens Creek at Mountain Block	SNWA	2/12/2007	F	0.528	8.50	10.4	0.65		
	Stephens Creek at Mountain Block	SNWA	3/26/2007	F	0.7	8.60	10.4	0.85		
	Stephens Creek at Mountain Block	SNWA	5/7/2007	F	0.677	15.00	10.4	0.47		
	Stephens Creek at Mountain Block	SNWA	6/14/2007	P	0.547	7.10	10.4	0.80		
	Stephens Creek at Mountain Block	SNWA	7/23/2007	F	0.324	6.90	10.4	0.49		
	Stephens Creek at Mountain Block	SNWA	8/29/2007	G	0.305	6.40	10.4	0.50		
	Stephens Creek at Mountain Block	SNWA	10/9/2007	G	0.305	5.80	10.3	0.54		
	Stephens Creek at Mountain Block	SNWA	11/27/2007	P	0.404	6.10	10.3	0.68		
	Stephens Creek at Mountain Block	SNWA	2/5/2008	N		6.00	10.3	0.00		
	Stephens Creek at Mountain Block	SNWA	3/25/2008	P	0.375	12.00	10.3	0.32		
	Stephens Creek at Mountain Block	SNWA	4/28/2008	P	0.715	6.80	10.3	1.08		
	Stephens Creek at Mountain Block	SNWA	6/11/2008	F	0.675	9.10	10.3	0.76		
	Stephens Creek at Mountain Block	SNWA	7/23/2008	P	0.38	5.10	10.3	0.77		
	Stephens Creek at Mountain Block	SNWA	9/8/2008	P	0.253	4.70	10.3	0.55		
	Stephens Creek at Mountain Block	SNWA	10/16/2008	P	0.298	5.40	10.2	0.56		
	Stephens Creek at Mountain Block	SNWA	12/11/2008	F	0.353	4.50	10.2	0.80		
	Stephens Creek at Mountain Block	SNWA	2/2/2009	P	0.344	4.80	10.2	0.73		
	Stephens Creek at Mountain Block	SNWA	4/16/2009	F	0.447	7.90	10.2	0.58		
	Stephens Creek at Mountain Block	SNWA	5/27/2009	P	1.06	18.00	10.2	0.60		
	Stephens Creek at Mountain Block	SNWA	7/9/2009	P	0.417	8.50	10.2	0.50		
	Stephens Creek at Mountain Block	SNWA	8/18/2009	P	0.422	5.50	10.2	0.78		
	Stephens Creek at Mountain Block	SNWA	11/19/2009	P	0.409	5.30	10.2	0.79		
	Stephens Creek at Mountain Block	SNWA	6/17/2010	P	1.81	22.00	10.2	0.84		
	Stephens Creek at Mountain Block	NDWR	10/13/2010	G	0.46	6.60	10.4	0.72		
	Stephens Creek at Mountain Block	SNWA	11/8/2010	P	0.67	6.80	10.4	1.02		
	Swallow Canyon above Diversion nr Minerva, NV	DRI	7/12/1966	U	4.01	5.70	10.4	7.32	<b>5.91</b>	

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
	Swallow Canyon above Diversion nr Minerva, NV	USGS	6/15/1980	U	9.36	47.00	10.4	2.07		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	5/19/1993	F	44.3	38.00	10.4	12.12		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/13/1998	F	52.4	22.00	10.3	24.53		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/14/1998	F	21.5	21.00	10.3	10.55		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/16/1998	F	35.4	18.00	10.3	20.26		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/18/1998	F	32.3	18.00	10.3	18.48		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/14/1999	F	7.75	17.00	10.4	4.74		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/16/1999	F	6.87	14.00	10.4	5.10		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/23/2000	F	0.969	7.10	10.4	1.42		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/25/2000	F	0.75	7.20	10.4	1.08		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	8/7/2001	F	1.13	6.10	10.1	1.87		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/17/2002	F	2.31	5.80	10.2	4.07		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	8/7/2003	P	0.953	5.80	10.1	1.66		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/28/2004	P	0.658	5.30	10.4	1.29		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/28/2005	F	21	18.00	10.5	12.25		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	10/6/2005	P	2.03	11.00	10.5	1.94		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/26/2006	F	3.71	10.00	10.5	3.90		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	3/27/2007	P	0.517	8.70	10.4	0.62		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	5/7/2007	P	6.49	15.00	10.4	4.50		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	6/11/2007	P	4.58	7.60	10.4	6.27		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/16/2007	P	0.489	8.20	10.4	0.62		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	8/27/2007	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	10/8/2007	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	11/29/2007	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	2/6/2008	N						
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	3/24/2008	P	0.429	11.00	10.3	0.40		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	4/29/2008	P	9.66	8.40	10.3	11.85		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	6/11/2008	P	19.9	9.10	10.3	22.52		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/23/2008	P	2.85	5.10	10.3	5.76		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	9/4/2008	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	10/2/2008	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	10/13/2008	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	11/6/2008	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	12/8/2008	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	4/14/2009	P	1.26	8.30	10.2	1.55		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	4/15/2009	N						
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	5/13/2009	P	39.7	25.00	10.2	16.20		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	5/26/2009	P	34.2	19.00	10.2	18.36		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge Q<sub>a</sub> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date Q<sub>b</sub> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage Q<sub>M</sub> (cfs)</i>	<i>(Q<sub>a</sub> / Q<sub>b</sub>) x Q<sub>M</sub></i>	<i>Estimated Long Term Average Discharge Q<sub>m</sub> (cfs)</i>	<i>Notes</i>
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	6/2/2009	P	28.5	16.00	10.2	18.17		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/8/2009	P	7.55	8.70	10.2	8.85		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	8/17/2009	P	1.32	5.60	10.2	2.40		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	8/19/2009	N						
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	9/14/2009	P	0.033	5.40	10.2	0.06		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	10/6/2009	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	11/16/2009	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	1/7/2010	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	2/22/2010	N						
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	3/29/2010	E	0			0.00		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	5/5/2010	P	11.6	14.00	10.2	8.45		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	5/25/2010	P	16.3	18.00	10.2	9.24		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	5/25/2010	P	16.5	18.00	10.2	9.35		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	6/5/2010	P	68.9	40.00	10.2	17.57		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	6/13/2010	N						
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	6/14/2010	P	39.5	26.00	10.2	15.50		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/26/2010	P	4.48	8.60	10.2	5.31		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	7/27/2010	P	3.78	9.50	10.2	4.06		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	8/30/2010	P	1.55	6.30	10.2	2.51		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	10/11/2010	P	0.135	6.60	10.4	0.21		
	Swallow Canyon above Diversion nr Minerva, NV	SNWA	11/10/2010	E	0		10.4	0.00		
10243735	Taft Creek at Diversion	ERTEC	6/1/1980	U	12.9	33.00	10.4	4.07	<b>2.19</b>	
10243735	Taft Creek at Diversion	USGS	7/16/1991	U	2.51	6.70	10.4	3.90		
10243735	Taft Creek at Diversion	USGS	10/23/1991	U	0.71	5.60	10.4	1.32		
10243735	Taft Creek at Diversion	USGS	12/4/1991	U	0.77	5.30	10.4	1.51		
10243735	Taft Creek at Diversion	USGS	3/17/1992	U	0.37	6.40	10.4	0.60		
10243735	Taft Creek at Diversion	USGS	6/24/1992	U	1.22	4.70	10.4	2.70		
10243735	Taft Creek at Diversion	SNWA	7/18/1996	F	2.08	7.30	10.1	2.88		
10243735	Taft Creek at Diversion	SNWA	7/16/1998	F	8.43	18.00	10.3	4.82		
10243735	Taft Creek at Diversion	SNWA	7/13/1999	G	4.32	18.00	10.4	2.50		
10243735	Taft Creek at Diversion	SNWA	7/24/2000	F	1.24	7.20	10.4	1.79		
10243735	Taft Creek at Diversion	SNWA	7/27/2000	F	1.27	6.90	10.4	1.91		
10243735	Taft Creek at Diversion	SNWA	8/7/2001	F	1.21	6.10	10.3	2.04		
10243735	Taft Creek at Diversion	SNWA	7/25/2006	F	2	11.00	10.5	1.91		
10243735	Taft Creek at Diversion	SNWA	2/20/2007	F	0.52	8.50	10.4	0.64		
10243735	Taft Creek at Diversion	SNWA	3/26/2007	G	1.1	8.60	10.4	1.33		
10243735	Taft Creek at Diversion	SNWA	5/7/2007	G	2.32	15.00	10.4	1.61		
10243735	Taft Creek at Diversion	SNWA	6/14/2007	F	1.87	7.10	10.4	2.74		
10243735	Taft Creek at Diversion	SNWA	7/23/2007	P	0.865	6.90	10.4	1.30		
10243735	Taft Creek at Diversion	SNWA	8/29/2007	P	0.757	6.40	10.4	1.23		
10243735	Taft Creek at Diversion	SNWA	10/9/2007	P	0.57	5.80	10.3	1.01		
10243735	Taft Creek at Diversion	SNWA	11/28/2007	F	0.434	5.00	10.3	0.89		
10243735	Taft Creek at Diversion	SNWA	2/5/2008	N		6.00	10.3			
10243735	Taft Creek at Diversion	SNWA	3/25/2008	P	0.783	12.00	10.3	0.67		
10243735	Taft Creek at Diversion	SNWA	4/30/2008	P	1.89	10.00	10.3	1.95		
10243735	Taft Creek at Diversion	SNWA	6/11/2008	F	3.74	9.10	10.3	4.23		
10243735	Taft Creek at Diversion	SNWA	7/23/2008	F	1.23	5.10	10.3	2.48		
10243735	Taft Creek at Diversion	SNWA	9/8/2008	P	0.456	5.10	10.3	0.92		
10243735	Taft Creek at Diversion	SNWA	10/16/2008	P	0.624	5.40	10.2	1.18		
10243735	Taft Creek at Diversion	SNWA	12/11/2008	F	0.478	4.50	10.2	1.08		
10243735	Taft Creek at Diversion	SNWA	2/4/2009	N		4.60	10.2			
10243735	Taft Creek at Diversion	SNWA	4/16/2009	F	1.62	7.90	10.2	2.09		
10243735	Taft Creek at Diversion	SNWA	5/27/2009	F	10.3	18.00	10.2	5.84		
10243735	Taft Creek at Diversion	SNWA	7/9/2009	F	4.38	8.50	10.2	5.26		

Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243735	Taft Creek at Diversion	SNWA	8/18/2009	P	1.42	5.60	10.2	2.59		
10243735	Taft Creek at Diversion	SNWA	11/19/2009	P	0.601	5.30	10.2	1.16		
10243735	Taft Creek at Diversion	SNWA	6/17/2010	F	8.04	22.00	10.2	3.73		
10243735	Taft Creek at Diversion	NDWR	10/14/2010	G	0.89	6.40	10.4	1.45		
10243735	Taft Creek at Diversion	SNWA	11/10/2010	F	0.999	7.20	10.4	1.44		
	Trail Creek at mountain block	SNWA	8/15/2006	E	0	8.20	10.5	0.00		
	Trail Creek at mountain block	SNWA	2/13/2007	E	0	8.80	10.4	0.00		
	Trail Creek at mountain block	SNWA	3/27/2007	E	0	8.70	10.4	0.00		
	Trail Creek at mountain block	SNWA	5/8/2007	E	0					
	Trail Creek at mountain block	SNWA	6/13/2007	E	0					
	Trail Creek at mountain block	SNWA	7/17/2007	E	0	7.60	10.4	0.00		
	Trail Creek at mountain block	SNWA	8/28/2007	E	0	6.70	10.4	0.00		
	Trail Creek at mountain block	SNWA	10/9/2007	E	0	5.80	10.3	0.00		
	Trail Creek at mountain block	SNWA	11/28/2007	E	0	5.00	10.3	0.00		
	Trail Creek at mountain block	SNWA	2/5/2008	N		6.00	10.3	0.00		
	Trail Creek at mountain block	SNWA	3/26/2008	E	0	12.00	10.3	0.00		
	Trail Creek at mountain block	SNWA	4/29/2008	E	0					
	Trail Creek at mountain block	SNWA	6/9/2008	E	0					
	Trail Creek at mountain block	SNWA	7/22/2008	E	0	5.30	10.3	0.00		
	Trail Creek at mountain block	SNWA	9/9/2008	E	0	5.10	10.3	0.00		
	Willard Creek	SNWA	7/26/2006	F	0.218	10.00	10.5	0.23	<b>0.49</b>	
	Willard Creek	SNWA	2/20/2007	G	0.317	8.50	10.4	0.39		
	Willard Creek	SNWA	3/27/2007	G	0.351	8.70	10.4	0.42		
	Willard Creek	SNWA	5/7/2007	G	0.411	15.00	10.4	0.28		
	Willard Creek	SNWA	6/12/2007	E	0.203	7.50	10.4	0.28		
	Willard Creek	SNWA	7/18/2007	E	0.026	7.50	10.4	0.04		
	Willard Creek	SNWA	8/28/2007	G	0.082	6.70	10.4	0.13		
	Willard Creek	SNWA	10/9/2007	P	0.234	5.80	10.3	0.42		
	Willard Creek	SNWA	11/29/2007	G	0.252	5.00	10.3	0.52		
	Willard Creek	SNWA	2/6/2008	N		6.00	10.3			
	Willard Creek	SNWA	3/25/2008	P	0.477	12.00	10.3	0.41		
	Willard Creek	SNWA	4/29/2008	F	0.727	8.40	10.3	0.89		
	Willard Creek	SNWA	6/12/2008	P	0.707	9.20	10.3	0.79		
	Willard Creek	SNWA	7/21/2008	P	0.204	5.50	10.3	0.38		



Table C1 - Spring Valley Table of Streamflow Measurements and Methods Used to Estimate Average Annual Discharge

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
	Willard Creek	SNWA	9/3/2008	E	0.102	5.00	10.3	0.21		
	Willard Creek	SNWA	10/16/2008	E	0.212	5.40	10.2	0.40		
	Willard Creek	SNWA	12/18/2008	P	0.449	3.50	10.2	1.31		
	Willard Creek	SNWA	2/3/2009	N		4.60	10.2			
	Willard Creek	SNWA	4/15/2009	F	0.772	8.30	10.2	0.95		
	Willard Creek	SNWA	5/27/2009	F	2.35	18.00	10.2	1.33		
	Willard Creek	SNWA	7/8/2009	G	0.374	8.70	10.2	0.44		
	Willard Creek	SNWA	8/19/2009	E	0.057	5.50	10.2	0.11		
	Willard Creek	SNWA	11/17/2009	E	0.232	5.40	10.4	0.45		
	Willard Creek	NDWR	10/14/2010	F	0.43	6.40	10.1	0.70		
	Willard Creek	SNWA	11/10/2010	E	0.283	7.20	10.4	0.41		

10243650	Willard Creek near Baker, NV	USGS	10/24/1991		0.29	5.50	10.4	0.5484	<b>0.60</b>	
10243650	Willard Creek near Baker, NV	USGS	12/3/1991	F	0.39	5.70	10.4	0.7116		
10243650	Willard Creek near Baker, NV	USGS	3/17/1992	P	0.62	6.40	10.4	1.0075		
10243650	Willard Creek near Baker, NV	USGS	6/25/1992	P	0.28	4.90	10.4	0.5943		
10243650	Willard Creek near Baker, NV	USGS	10/15/1992	P	0.18	4.40	10.4	0.4255		
10243650	Willard Creek near Baker, NV	USGS	2/12/1993		0.49	5.30	10.4	0.9615		
10243650	Willard Creek near Baker, NV	USGS	4/7/1993	P	1.29	9.60	10.4	1.3975		
10243650	Willard Creek near Baker, NV	USGS	6/22/1993		0.98	15.00	10.4	0.6795		
10243650	Willard Creek near Baker, NV	USGS	12/22/1993		0.29	4.80	10.4	0.6283		
10243650	Willard Creek near Baker, NV	USGS	3/25/1994		0.34	6.40	10.4	0.5525		
10243650	Willard Creek near Baker, NV	USGS	6/15/1994	E	0.26	7.70	10.4	0.3512		
10243650	Willard Creek near Baker, NV	USGS	9/9/1994	P	0.08	5.20	10.4	0.1600		
10243650	Willard Creek near Baker, NV	USGS	12/15/1994	P	0.28	4.60	10.2	0.6209		
10243650	Willard Creek near Baker, NV	USGS	3/28/1995	P	0.71	8.40	10.2	0.8621		
10243650	Willard Creek near Baker, NV	USGS	6/28/1995	P	6.21	61.00	10.2	1.0384		
10243650	Willard Creek near Baker, NV	USGS	9/19/1995	P	0.31	9.20	10.2	0.3437		
10243650	Willard Creek near Baker, NV	USGS	12/14/1995	P	0.52	8.10	10.1	0.6484		
10243650	Willard Creek near Baker, NV	USGS	3/21/1996	P	0.42	11.00	10.1	0.3856		
10243650	Willard Creek near Baker, NV	USGS	6/29/1996	P	0.24	8.40	10.1	0.2886		

USGS Site ID	Station	Data Source	Measure Date	Rating Code	Discharge $Q_a$ (cfs)	Mean Daily Value for Cleve Creek Discharge on Same Date $Q_b$ (cfs)	Annual Mean Discharge at USGS Cleve Creek Gage $Q_M$ (cfs)	$(Q_a / Q_b) \times Q_M$	Estimated Long Term Average Discharge $Q_m$ (cfs)	Notes
10243650	Willard Creek near Baker, NV	USGS	9/18/1996	P	0.29	7.20	10.1	0.4068		
10243650	Willard Creek near Baker, NV	USGS	12/11/1996	P	0.31	7.80	10.4	0.4133		
10243650	Willard Creek near Baker, NV	USGS	3/11/1997	F	0.57	7.00	10.4	0.8469		
10243650	Willard Creek near Baker, NV	USGS	6/4/1997	F	0.69	16.00	10.4	0.4485		
10243650	Willard Creek near Baker, NV	USGS	8/26/1997	P	0.13	9.10	10.4	0.1486		
10243650	Willard Creek near Baker, NV	USGS	11/18/1997	P	0.36	7.80	10.3	0.4754		
10243630	Williams Canyon above aqueduct near Minerva	USGS	10/11/2002	P	0.3	4.90	10.1	0.62	<b>1.61</b>	
10243630	Williams Canyon above aqueduct near Minerva	USGS	11/15/2002	P	0.35	5.80	10.1	0.61		
10243630	Williams Canyon above aqueduct near Minerva	USGS	1/24/2003	P	0.3	4.90	10.1	0.62		
10243630	Williams Canyon above aqueduct near Minerva	USGS	5/6/2003	P	0.54	8.40	10.1	0.65		
10243630	Williams Canyon above aqueduct near Minerva	USGS	7/9/2003	P	1.57	7.90	10.1	2.01		
10243630	Williams Canyon above aqueduct near Minerva	USGS	9/16/2003	P	0.4	5.20	10.1	0.78		
10243630	Williams Canyon above aqueduct near Minerva	USGS	3/16/2004	P	0.33	7.50	10.4	0.46		
10243630	Williams Canyon above aqueduct near Minerva	USGS	7/15/2004	P	0.96	5.50	10.4	1.82		
10243630	Williams Canyon above aqueduct near Minerva	USGS	10/5/2004	P	0.34	5.40	10.5	0.66		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	8/16/2006	F	0.635	8.30	10.5	0.80		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	3/26/2007	F	0.387	8.60	10.4	0.47		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	5/8/2007	F	2.1	14.00	10.4	1.56		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	6/12/2007	F	1.96	7.50	10.4	2.72		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	7/18/2007	F	0.638	7.50	10.4	0.88		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	8/28/2007	P	0.297	6.70	10.4	0.46		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	10/8/2007	P	0.384	6.00	10.3	0.66		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Rating Code</i>	<i>Discharge <math>Q_a</math> (cfs)</i>	<i>Mean Daily Value for Cleve Creek Discharge on Same Date <math>Q_b</math> (cfs)</i>	<i>Annual Mean Discharge at USGS Cleve Creek Gage <math>Q_M</math> (cfs)</i>	<i><math>(Q_a / Q_b) \times Q_M</math></i>	<i>Estimated Long Term Average Discharge <math>Q_m</math> (cfs)</i>	<i>Notes</i>
10243630	Williams Canyon above aqueduct near Minerva	SNWA	11/29/2007	F	0.457	5.00	10.3	0.94		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	3/25/2008	P	0.701	12.00	10.3	0.60		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	4/28/2008	F	1.09	6.80	10.3	1.65		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	6/9/2008	F	3.69	9.10	10.3	4.18		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	7/24/2008	F	0.891	4.90	10.3	1.87		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	9/10/2008	P	0.365	5.30	10.3	0.71		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	10/16/2008	F	0.414	5.40	10.2	0.78		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	2/3/2009	N		4.60	10.2			
10243630	Williams Canyon above aqueduct near Minerva	SNWA	4/15/2009	F	0.631	8.30	10.2	0.78		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	5/27/2009	P	12.3	18.00	10.2	6.97		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	7/8/2009	P	2.93	8.70	10.2	3.44		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	8/19/2009	P	0.656	5.50	10.2	1.22		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	11/17/2009	P	0.448	5.40	10.2	0.85		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	6/14/2010	P	19.8	26.00	10.2	7.77		
10243630	Williams Canyon above aqueduct near Minerva	SNWA	11/11/2010	P	0.591	7.10	10.4	0.87		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	Bastian Spring	USGS	6/15/1968	0.33	<b>0.33</b>	
	Cain Springs Combined	SNWA	9/17/2009	0.001	<b>0.001</b>	
	Cleveland Ranch Spring North	SNWA	11/2/2010	0.04	<b>0.05</b>	
	Cleveland Ranch Spring North	SNWA	11/4/2010	0.05		
	Cleveland Ranch Spring South	SNWA	11/3/2010	0.13	<b>0.13</b>	
	Cleveland Ranch Spring South	SNWA	11/4/2010	0.12		
	Dead Sheep Spring	SNWA	8/28/2007	0.04	<b>0.04</b>	
	Dead Sheep Spring	SNWA	10/9/2007	0.04		
	Dead Sheep Spring	NDWR	10/14/2010			
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	8/15/1964	2.7	<b>2.10</b>	
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	3/21/1990	0.71		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	11/6/1990	0.31		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	3/2/1991	0.29		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	10/21/1991	2.7		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	3/16/1992	2.5		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	10/13/1992	2.0		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	4/5/1993	3.1		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	9/20/1993	2.9		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	3/22/1994	2.4		
	Dos Tetones Spring Creek above Kalamazoo Creek	USGS	9/6/1994	3.2		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	8/9/2001	2.6		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	8/7/2003	2.5		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	7/28/2005	0.90		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	7/17/2007	2.1		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	8/28/2007	1.9		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	10/9/2007	1.8		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	11/27/2007	1.7		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	4/29/2008	1.6		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	6/9/2008	2.6		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	7/22/2008	1.8		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	9/9/2008	1.6		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	10/14/2008	1.5		
	Dos Tetones Spring Creek above Kalamazoo Creek	SNWA	6/3/2009	5.1		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
39520411435410	Egan Creek Springs	USGS	10/15/1965	0.87	<b>0.87</b>	
	Indian Springs East	SNWA	8/14/2006	0.03	<b>0.02</b>	
	Indian Springs East	SNWA	3/26/2007	0.03		
	Indian Springs East	SNWA	5/7/2007	0.02		
	Indian Springs East	SNWA	6/11/2007	0.02		
	Indian Springs East	SNWA	7/23/2007	0.03		
	Indian Springs East	SNWA	8/27/2007	0.02		
	Indian Springs East	SNWA	10/8/2007	0.02		
	Indian Springs East	SNWA	11/26/2007	0.03		
	Indian Springs East	SNWA	3/24/2008	0.03		
	Indian Springs East	SNWA	4/29/2008	0.03		
	Indian Springs East	SNWA	6/12/2008	0.02		
	Indian Springs East	SNWA	7/21/2008	0.02		
	Indian Springs East	SNWA	10/13/2008	0.02		
	Indian Springs East	SNWA	12/8/2008	0.02		
	Indian Springs East	SNWA	2/2/2009	0.02		
	Indian Springs East	SNWA	4/14/2009	0.03		
	Indian Springs East	SNWA	5/26/2009	0.01		
	Indian Springs East	SNWA	7/6/2009	0.02		
	Indian Springs East	SNWA	8/17/2009	0.02		
	Indian Springs East	SNWA	11/16/2009	0.02		
	Indian Springs East	SNWA	11/10/2010	0.03		
	Indian Springs West	SNWA	8/14/2006	0.01	<b>0.02</b>	
	Indian Springs	NDWR	10/13/2010	0.03		
	Jack Spring	Agent	4/11/1927	0.03	<b>1.91</b>	
	Jack Spring	Permittee	5/4/1995	1.23		
	Jack Spring	Permittee	5/5/1995	1.37		
	Jack Spring	Permittee	5/6/1995	1.63		
	Jack Spring	Permittee	5/7/1995	2.05		
	Jack Spring	Permittee	5/8/1995	2.68		
	Jack Spring	Permittee	5/9/1995	2.51		
	Jack Spring	Permittee	5/10/1995	3.00		
	Jack Spring	Permittee	5/11/1995	3.34		
	Jack Spring	Permittee	5/12/1995	3.34		
	Jack Spring	Permittee	5/13/1995	3.50		
	Jack Spring	Permittee	5/14/1995	3.34		
	Jack Spring	Permittee	5/15/1995	2.83		
	Jack Spring	Permittee	5/16/1995	2.68		
	Jack Spring	Permittee	5/17/1995	2.51		
	Jack Spring	Permittee	5/18/1995	2.68		
	Jack Spring	Permittee	5/19/1995	2.68		
	Jack Spring	Permittee	5/20/1995	2.68		
	Jack Spring	Permittee	5/21/1995	2.20		
	Jack Spring	Permittee	5/22/1995	2.35		
	Jack Spring	Permittee	5/23/1995	2.20		
	Jack Spring	Permittee	5/24/1995	1.91		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	Jack Spring	Permittee	5/25/1995	2.20		
	Jack Spring	Permittee	5/26/1995	2.51		
	Jack Spring	Permittee	5/27/1995	2.83		
	Jack Spring	Permittee	5/28/1995	3.16		
	Jack Spring	Permittee	5/29/1995	3.50		
	Jack Spring	Permittee	5/30/1995	4.04		
	Jack Spring	Permittee	5/31/1995	3.86		
	Jack Spring	Permittee	6/1/1995	3.50		
	Jack Spring	Permittee	6/2/1995	3.50		
	Jack Spring	Permittee	6/3/1995	3.68		
	Jack Spring	Permittee	6/4/1995	3.50		
	Jack Spring	Permittee	6/5/1995	2.83		
	Jack Spring	Permittee	6/6/1995	2.35		
	Jack Spring	Permittee	6/7/1995	1.91		
	Jack Spring	Permittee	6/8/1995	1.91		
	Jack Spring	Permittee	6/9/1995	1.63		
	Jack Spring	Permittee	6/10/1995	1.49		
	Jack Spring	Permittee	6/11/1995	1.23		
	Jack Spring	Permittee	6/12/1995	2.05		
	Jack Spring	Permittee	6/13/1995	2.05		
	Jack Spring	Permittee	6/14/1995	2.83		
	Jack Spring	Permittee	6/15/1995	3.34		
	Jack Spring	Permittee	6/16/1995	2.35		
	Jack Spring	Permittee	6/17/1995	2.51		
	Jack Spring	Permittee	6/18/1995	2.20		
	Jack Spring	Permittee	6/19/1995	2.20		
	Jack Spring	Permittee	6/20/1995	1.63		
	Jack Spring	Permittee	6/21/1995	1.49		
	Jack Spring	Permittee	6/22/1995	1.63		
	Jack Spring	Permittee	6/23/1995	1.37		
	Jack Spring	Permittee	6/24/1995	1.23		
	Jack Spring	Permittee	6/25/1995	1.49		
	Jack Spring	Permittee	6/26/1995	1.23		
	Jack Spring	Permittee	6/27/1995	1.23		
	Jack Spring	Permittee	6/28/1995	0.88		
	Jack Spring	Permittee	6/29/1995	0.78		
	Jack Spring	Permittee	6/30/1995	0.99		
	Jack Spring	Permittee	7/1/1995	0.66		
	Jack Spring	Permittee	7/2/1995	0.48		
	Jack Spring	Permittee	7/3/1995	0.56		
	Jack Spring	Permittee	7/4/1995	0.48		
	Jack Spring	Permittee	7/5/1995	0.31		
	Jack Spring	Permittee	7/6/1995	0.31		
	Jack Spring	Permittee	7/7/1995	0.40		
	Jack Spring	Permittee	7/8/1995	0.17		
	Jack Spring	Permittee	7/9/1995	0.06		
	Jack Spring	Permittee	7/10/1995	0.06		
	Jack Spring	Permittee	7/11/1995	0.00		
	Jack Spring	Permittee	7/25/1995	0.00		
	Jack Spring	NDWR	3/25/1998	0.00		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	Jack Spring		6/2/1984	0.11		
	Keegan Spring near Piermont, NV	SNWA	8/29/2007	0.58	<b>0.56</b>	
	Keegan Spring near Piermont, NV	SNWA	10/10/2007	0.53		
	Keegan Spring near Piermont, NV	SNWA	11/28/2007	0.45		
	Keegan Spring near Piermont, NV	SNWA	2/7/2008	0.49		
	Keegan Spring near Piermont, NV	SNWA	3/27/2008	0.60		
	Keegan Spring near Piermont, NV	SNWA	4/29/2008	0.59		
	Keegan Spring near Piermont, NV	SNWA	6/9/2008	0.42		
	Keegan Spring near Piermont, NV	SNWA	7/23/2008	0.74		
	Keegan Spring near Piermont, NV	SNWA	9/10/2008	0.48		
	Keegan Spring near Piermont, NV	SNWA	10/14/2008	0.47		
	Keegan Spring near Piermont, NV	SNWA	12/9/2008	0.54		
	Keegan Spring near Piermont, NV	SNWA	2/5/2009	0.49		
	Keegan Spring near Piermont, NV	SNWA	5/26/2009	0.66		
	Keegan Spring near Piermont, NV	SNWA	7/9/2009	1.2		
	Keegan Spring near Piermont, NV	SNWA	8/19/2009	0.64		
	Keegan Spring near Piermont, NV	SNWA	11/19/2009	0.51		
	Keegan Spring near Piermont, NV	SNWA	1/28/2010	0.48		
	Keegan Spring near Piermont, NV	SNWA	2/23/2010	0.47		
	Keegan Spring near Piermont, NV	SNWA	2/23/2010	0.51		
	Keegan Spring near Piermont, NV	SNWA	3/31/2010	0.48		
	Keegan Spring near Piermont, NV	SNWA	6/14/2010	0.58		
	Keegan Spring near Piermont, NV	SNWA	6/22/2010	0.60		
	Keegan Spring near Piermont, NV	SNWA	7/27/2010	0.56		
	Keegan Spring near Piermont, NV	SNWA	7/28/2010	0.60		
	Keegan Spring near Piermont, NV	SNWA	10/13/2010	0.52		
	Keegan Spring near Piermont, NV	SNWA	11/9/2010	0.47		
	Keegan Spring near Piermont, NV	SNWA	11/9/2010	0.53		
	Keegan Spring near Piermont, NV	SNWA	11/9/2010	0.50		
	Keegan Spring near Piermont, NV	SNWA	1/4/2011	0.50		
	Layton Spring	SNWA	8/16/2006	0.001	<b>0.00</b>	
	Layton Spring	SNWA	3/27/2007	0.002		
	Layton Spring	SNWA	8/27/2007	0.001		
	Layton Spring	SNWA	10/8/2007	0.001		
	Layton Spring	SNWA	11/26/2007	0.001		
	Layton Spring	SNWA	1/25/2008	0.001		
	Layton Spring	SNWA	1/30/2008	0.002		
	Layton Spring	SNWA	1/31/2008	0.001		
	Layton Spring	SNWA	2/1/2008	0.002		
	Layton Spring	SNWA	2/2/2008	0.002		
	Layton Spring	SNWA	2/6/2008	0.002		
	Layton Spring	SNWA	3/24/2008	0.002		
	Layton Spring	SNWA	4/30/2008	0.001		
	Layton Spring	SNWA	6/11/2008	0.001		
	Layton Spring	SNWA	10/13/2008	0.0009		
	Layton Spring	SNWA	12/10/2008	0.0009		
	Layton Spring	SNWA	2/2/2009	0.0009		
	Layton Spring	SNWA	4/16/2009	0.001		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	Layton Spring	SNWA	5/26/2009	0.0009		
	Layton Spring	SNWA	11/18/2009	0.0009		
	Layton Spring	NDWR	10/14/2010	0.00		
	Lower Murphy Wash Spring	SNWA	8/16/2006	0.002	<b>0.00</b>	
	Lower Murphy Wash Spring	NDWR	10/13/2010	0.0011		
38494411423510	Minerva Spring	USGS	6/15/1968	0.67	<b>1.36</b>	
38494411423510	Minerva Spring	SNWA	8/27/2007	0.85		
38494411423510	Minerva Spring	SNWA	10/8/2007	0.09		
38494411423510	Minerva Spring	SNWA	11/29/2007	0.69		
38494411423510	Minerva Spring	SNWA	2/6/2008	0.5		
38494411423510	Minerva Spring	SNWA	3/25/2008	0.37		
38494411423510	Minerva Spring	SNWA	4/29/2008	0.48		
38494411423510	Minerva Spring	SNWA	6/12/2008	5.0		
38494411423510	Minerva Spring	SNWA	9/10/2008	1.3		
38494411423510	Minerva Spring	SNWA	10/13/2008	0.95		
38494411423510	Minerva Spring	SNWA	12/8/2008	0.57		
38494411423510	Minerva Spring	SNWA	2/2/2009	0.58		
38494411423510	Minerva Spring	SNWA	4/14/2009	0.54		
38494411423510	Minerva Spring	SNWA	7/6/2009	2.2		
38494411423510	Minerva Spring	SNWA	8/19/2009	3.2		
38494411423510	Minerva Spring	SNWA	2/22/2010	0.83		
38494411423510	Minerva Spring	SNWA	3/29/2010	0.74		
38494411423510	Minerva Spring	SNWA	7/26/2010	2.6		
38494411423510	Minerva Spring	SNWA	9/1/2010	2.6		
38494411423510	Minerva Spring	SNWA	10/13/2010	2.8		
38494411423510	Minerva Spring	SNWA	10/13/2010	0.50		
38494411423510	Minerva Spring	SNWA	10/13/2010	0.15		
38494411423510	Minerva Spring	SNWA	10/13/2010	3.4		
38494411423510	Minerva Spring	SNWA	11/10/2010	1.2		
38494411423510	Minerva Spring	NDWR	10/12/2010	1.28		
38540311420250	Mt Wheeler Mine Spring	USGS	6/15/1968	0.08	<b>0.08</b>	
	North Millick Spring	SNWA	6/24/2004	0.44	<b>0.56</b>	
	North Millick Spring	SNWA	7/28/2005	0.73		
	North Millick Spring	SNWA	8/16/2006	0.72		
	North Millick Spring	SNWA	3/27/2007	0.72		
	North Millick Spring	SNWA	5/8/2007	0.65		
	North Millick Spring	SNWA	6/12/2007	0.59		
	North Millick Spring	SNWA	7/23/2007	0.59		
	North Millick Spring	SNWA	8/27/2007	0.63		
	North Millick Spring	SNWA	10/8/2007	0.65		
	North Millick Spring	SNWA	11/29/2007	0.60		
	North Millick Spring	SNWA	2/6/2008	0.65		
	North Millick Spring	SNWA	3/27/2008	0.57		
	North Millick Spring	SNWA	4/28/2008	0.64		
	North Millick Spring	SNWA	6/10/2008	0.60		
	North Millick Spring	SNWA	7/21/2008	0.57		



<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	North Millick Spring	SNWA	9/8/2008	0.51		
	North Millick Spring	SNWA	10/17/2008	0.54		
	North Millick Spring	SNWA	12/10/2008	0.46		
	North Millick Spring	SNWA	2/4/2009	0.52		
	North Millick Spring	SNWA	4/15/2009	0.64		
	North Millick Spring	SNWA	5/28/2009	0.35		
	North Millick Spring	SNWA	7/7/2009	0.45		
	North Millick Spring	SNWA	8/19/2009	0.39		
	North Millick Spring	SNWA	11/18/2009	0.22		
	North Millick Spring	SNWA	11/8/2010	0.45		
	North Spring	SNWA	6/22/2004	0.02	<b>0.02</b>	
	North Spring	NDWR	10/11/2010			
	Osborne Springs	SNWA	8/17/2006	0.01	<b>0.01</b>	
	Osborne Springs	NDWR	10/14/2010			
	Rock Spring	SNWA	8/27/2007	0.02	<b>0.03</b>	
	Rock Spring	SNWA	8/27/2007	0.03		
	Rock Spring	SNWA	10/8/2007	0.03		
	Rock Spring	SNWA	11/30/2007	0.04		
	Rock Spring	SNWA	2/6/2008	0.03		
	Rock Spring	SNWA	3/24/2008	0.03		
	Rock Spring	SNWA	4/30/2008	0.03		
	Rock Spring	SNWA	6/11/2008	0.02		
	Rock Spring	SNWA	7/21/2008	0.02		
	Rock Spring	SNWA	9/2/2008	0.03		
	Rock Spring	SNWA	10/13/2008	0.02		
	Rock Spring	SNWA	12/10/2008	0.03		
	Rock Spring	SNWA	2/5/2009	0.04		
	Rock Spring	SNWA	4/13/2009	0.04		
	Rock Spring	SNWA	6/1/2009	0.03		
	Rock Spring	SNWA	7/6/2009	0.03		
	Rock Spring	SNWA	9/16/2009	0.02		
	Rock Spring	SNWA	11/18/2009	0.03		
	Rock Spring	SNWA	11/23/2009	0.03		
	Rock Spring	SNWA	1/6/2010	0.03		
	Rock Spring	SNWA	2/24/2010	0.03		
	Rock Spring	SNWA	3/30/2010	0.04		
	Rock Spring	SNWA	5/24/2010	0.05		
	Rock Spring	SNWA	7/27/2010	0.04		
	Rock Spring	SNWA	8/31/2010	0.04		
	Rock Spring	SNWA	10/11/2010	0.04		
	Rock Spring	SNWA	11/10/2010	0.04		
	Rock Spring	SNWA	2/16/2011	0.05		
	Rock Spring	NDWR	10/14/2010	0.03		
38505211423450	Shoshone Spring	USGS	6/15/1980	0.01	<b>0.01</b>	
	South Bastian Spring	SNWA	7/15/2004	0.009	<b>0.01</b>	

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	South Bastian Spring	SNWA	8/3/2005	0.011		
	South Bastian Spring	NDWR	10/14/2010	0		
	South Bastian Spring	SNWA	8/16/2006	0.001	<b>0.00</b>	
	South Bastian Spring 2	SNWA	8/16/2006	0.001	<b>0.00</b>	
	South Bastian Spring 2	NDWR	10/14/2010	0.00		
	South Millick Spring	DRI	7/12/1966	0.45	<b>1.04</b>	
	South Millick Spring	SNWA	7/15/2004	1.0		
	South Millick Spring	SNWA	7/28/2005	1.4		
	South Millick Spring	SNWA	8/16/2006	1.2		
	South Millick Spring	SNWA	2/14/2007	1.0		
	South Millick Spring	SNWA	3/27/2007	1.4		
	South Millick Spring	SNWA	5/8/2007	1.6		
	South Millick Spring	SNWA	6/12/2007	1.1		
	South Millick Spring	SNWA	7/23/2007	1.0		
	South Millick Spring	SNWA	8/27/2007	1.1		
	South Millick Spring	SNWA	9/25/2007	1.1		
	South Millick Spring	SNWA	10/8/2007	1.3		
	South Millick Spring	SNWA	11/29/2007	1.0		
	South Millick Spring	SNWA	2/6/2008	1.2		
	South Millick Spring	SNWA	3/27/2008	1.3		
	South Millick Spring	SNWA	4/28/2008	1.1		
	South Millick Spring	SNWA	6/10/2008	1.0		
	South Millick Spring	SNWA	7/23/2008	0.92		
	South Millick Spring	SNWA	9/8/2008	1.0		
	South Millick Spring	SNWA	10/17/2008	0.92		
	South Millick Spring	SNWA	12/10/2008	0.98		
	South Millick Spring	SNWA	2/4/2009	1.1		
	South Millick Spring	SNWA	4/15/2009	1.1		
	South Millick Spring	SNWA	5/28/2009	0.91		
	South Millick Spring	SNWA	7/7/2009	1.0		
	South Millick Spring	SNWA	8/19/2009	0.73		
	South Millick Spring	SNWA	11/18/2009	0.79		
	South Millick Spring	SNWA	3/31/2010	0.92		
	South Millick Spring	SNWA	7/28/2010	1.3		
	South Millick Spring	SNWA	9/1/2010	1.1		
	South Millick Spring	SNWA	10/13/2010	0.97		
	South Millick Spring	SNWA	11/8/2010	0.84		
	South Millick Spring at springhead	SNWA	5/27/2010	0.62		
	Swallow Spring North	SNWA	5/19/1993	0.07	<b>0.12</b>	
	Swallow Spring North	SNWA	7/28/2004	0.12		
	Swallow Spring North	SNWA	7/27/2005	0.28		
	Swallow Spring North	SNWA	8/16/2006	0.13		
	Swallow Spring North	SNWA	2/16/2007	0.10		
	Swallow Spring North	SNWA	3/27/2007	0.12		
	Swallow Spring North	SNWA	5/7/2007	0.12		
	Swallow Spring North	SNWA	6/11/2007	0.18		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	Swallow Spring North	SNWA	7/16/2007	0.10		
	Swallow Spring North	SNWA	8/27/2007	0.16		
	Swallow Spring North	SNWA	10/8/2007	0.07		
	Swallow Spring North	SNWA	11/29/2007	0.09		
	Swallow Spring North	SNWA	2/7/2008	0.08		
	Swallow Spring North	SNWA	3/24/2008	0.10		
	Swallow Spring North	SNWA	4/29/2008	0.13		
	Swallow Spring North	SNWA	6/11/2008	0.12		
	Swallow Spring North	SNWA	7/24/2008	0.10		
	Swallow Spring North	SNWA	9/3/2008	0.10		
	Swallow Spring North	SNWA	9/4/2008	0.10		
	Swallow Spring North	SNWA	10/13/2008	0.11		
	Swallow Spring North	SNWA	12/8/2008	0.11		
	Swallow Spring North	SNWA	2/2/2009	0.10		
	Swallow Spring North	SNWA	4/14/2009	0.13		
	Swallow Spring North	SNWA	5/26/2009	0.13		
	Swallow Spring North	SNWA	7/8/2009	0.12		
	Swallow Spring North	SNWA	8/17/2009	0.11		
	Swallow Spring North	SNWA	9/15/2009	0.10		
	Swallow Spring North	SNWA	11/17/2009	0.10		
	Swallow Spring North	SNWA	2/22/2010	0.10		
	Swallow Spring North	SNWA	3/29/2010	0.13		
	Swallow Spring North	SNWA	5/25/2010	0.13		
	Swallow Spring North	SNWA	6/22/2010	0.15		
	Swallow Spring North	SNWA	7/27/2010	0.13		
	Swallow Spring North	SNWA	8/30/2010	0.11		
	Swallow Spring North	SNWA	11/10/2010	0.11		
	Swallow Spring North	SNWA	1/3/2011	0.15		
	Swallow Spring North	SNWA	2/14/2011	0.12		
	Swallow Spring North	NDWR	10/12/2010	0.16		
	Swallow Spring South near Minerva, NV	SNWA	5/19/1993	1.0	<b>0.77</b>	
	Swallow Spring South near Minerva, NV	SNWA	7/28/2004	0.64		
	Swallow Spring South near Minerva, NV	SNWA	7/27/2005	0.87		
	Swallow Spring South near Minerva, NV	SNWA	8/16/2006	0.84		
	Swallow Spring South near Minerva, NV	SNWA	2/16/2007	0.83		
	Swallow Spring South near Minerva, NV	SNWA	3/27/2007	0.89		
	Swallow Spring South near Minerva, NV	SNWA	5/7/2007	0.92		
	Swallow Spring South near Minerva, NV	SNWA	6/11/2007	0.83		
	Swallow Spring South near Minerva, NV	SNWA	7/16/2007	0.80		
	Swallow Spring South near Minerva, NV	SNWA	8/27/2007	0.76		
	Swallow Spring South near Minerva, NV	SNWA	10/8/2007	0.60		
	Swallow Spring South near Minerva, NV	SNWA	11/29/2007	0.66		
	Swallow Spring South near Minerva, NV	SNWA	2/7/2008	0.58		
	Swallow Spring South near Minerva, NV	SNWA	4/29/2008	0.82		
	Swallow Spring South near Minerva, NV	SNWA	6/11/2008	0.81		
	Swallow Spring South near Minerva, NV	SNWA	7/24/2008	0.78		
	Swallow Spring South near Minerva, NV	SNWA	9/3/2008	0.73		
	Swallow Spring South near Minerva, NV	SNWA	9/4/2008	0.74		
	Swallow Spring South near Minerva, NV	SNWA	10/13/2008	0.68		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	Swallow Spring South near Minerva, NV	SNWA	12/8/2008	0.50		
	Swallow Spring South near Minerva, NV	SNWA	2/2/2009	0.59		
	Swallow Spring South near Minerva, NV	SNWA	4/14/2009	0.88		
	Swallow Spring South near Minerva, NV	SNWA	7/8/2009	0.85		
	Swallow Spring South near Minerva, NV	SNWA	8/17/2009	0.90		
	Swallow Spring South near Minerva, NV	SNWA	9/15/2009	0.87		
	Swallow Spring South near Minerva, NV	SNWA	11/17/2009	0.60		
	Swallow Spring South near Minerva, NV	SNWA	2/22/2010	0.60		
	Swallow Spring South near Minerva, NV	SNWA	3/29/2010	0.79		
	Swallow Spring South near Minerva, NV	SNWA	5/25/2010	0.82		
	Swallow Spring South near Minerva, NV	SNWA	5/25/2010	0.85		
	Swallow Spring South near Minerva, NV	SNWA	7/27/2010	0.90		
	Swallow Spring South near Minerva, NV	SNWA	8/30/2010	0.86		
	Swallow Spring South near Minerva, NV	SNWA	10/11/2010	0.81		
	Swallow Spring South near Minerva, NV	SNWA	11/10/2010	0.66		
	Swallow Spring South near Minerva, NV	SNWA	1/3/2011	0.73		
	Swallow Spring South near Minerva, NV	SNWA	2/14/2011	0.58		
	Swallow Spring South near Minerva, NV	NDWR	10/12/2010	0.89		
38503311421560	Swallow Springs (combined discharge)	DRI	7/12/1966	0.61	<b>0.89</b>	
38503311421560	Swallow Springs (combined discharge)	USGS	6/15/1980	0.80		
38503311421560	Swallow Springs (combined discharge)	SNWA	5/19/1993	1.1		
38503311421560	Swallow Springs (combined discharge)	SNWA	7/28/2004	0.76		
38503311421560	Swallow Springs (combined discharge)	SNWA	7/27/2005	1.1		
38503311421560	Swallow Springs (combined discharge)	SNWA	8/16/2006	0.97		
38503311421560	Swallow Springs (combined discharge)	SNWA	2/16/2007	0.93		
38503311421560	Swallow Springs (combined discharge)	SNWA	3/27/2007	1.0		
38503311421560	Swallow Springs (combined discharge)	SNWA	5/7/2007	1.0		
38503311421560	Swallow Springs (combined discharge)	SNWA	6/11/2007	1.0		
38503311421560	Swallow Springs (combined discharge)	SNWA	7/16/2007	0.90		
38503311421560	Swallow Springs (combined discharge)	SNWA	8/27/2007	0.92		
38503311421560	Swallow Springs (combined discharge)	SNWA	10/8/2007	0.67		
38503311421560	Swallow Springs (combined discharge)	SNWA	11/29/2007	0.75		
38503311421560	Swallow Springs (combined discharge)	SNWA	2/7/2008	0.66		
38503311421560	Swallow Springs (combined discharge)	SNWA	3/24/2008	0.90		
38503311421560	Swallow Springs (combined discharge)	SNWA	4/29/2008	0.95		
38503311421560	Swallow Springs (combined discharge)	SNWA	6/11/2008	0.92		
38503311421560	Swallow Springs (combined discharge)	SNWA	7/24/2008	0.88		
38503311421560	Swallow Springs (combined discharge)	SNWA	9/3/2008	0.84		
38503311421560	Swallow Springs (combined discharge)	SNWA	9/4/2008	0.84		
38503311421560	Swallow Springs (combined discharge)	SNWA	10/13/2008	0.79		
38503311421560	Swallow Springs (combined discharge)	SNWA	12/8/2008	0.61		
38503311421560	Swallow Springs (combined discharge)	SNWA	2/2/2009	0.69		
38503311421560	Swallow Springs (combined discharge)	SNWA	4/14/2009	0.97		
38503311421560	Swallow Springs (combined discharge)	SNWA	5/26/2009	1.0		
38503311421560	Swallow Springs (combined discharge)	SNWA	7/8/2009	0.96		
38503311421560	Swallow Springs (combined discharge)	SNWA	8/17/2009	1.0		
38503311421560	Swallow Springs (combined discharge)	SNWA	9/15/2009	0.97		
38503311421560	Swallow Springs (combined discharge)	SNWA	11/17/2009	0.70		
38503311421560	Swallow Springs (combined discharge)	SNWA	2/22/2010	0.70		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
38503311421560	Swallow Springs (combined discharge)	SNWA	3/29/2010	0.92		
38503311421560	Swallow Springs (combined discharge)	SNWA	5/25/2010	0.95		
38503311421560	Swallow Springs (combined discharge)	SNWA	6/14/2010	1.1		
38503311421560	Swallow Springs (combined discharge)	SNWA	6/22/2010	1.1		
38503311421560	Swallow Springs (combined discharge)	SNWA	7/27/2010	1.0		
38503311421560	Swallow Springs (combined discharge)	SNWA	8/30/2010	0.97		
38503311421560	Swallow Springs (combined discharge)	SNWA	10/11/2010	0.92		
38503311421560	Swallow Springs (combined discharge)	SNWA	11/10/2010	0.77		
38503311421560	Swallow Springs (combined discharge)	SNWA	1/3/2011	0.88		
38503311421560	Swallow Springs (combined discharge)	SNWA	2/14/2011	0.70		
38503311421560	Swallow Springs (combined discharge)	NDWR	10/12/2010	1.05		
	The Seep	SNWA	10/8/2007	0.01	<b>0.01</b>	
	Turnley Spring	SNWA	10/16/2008	0.11	<b>0.14</b>	
	Turnley Spring	SNWA	2/5/2009	0.16		
	Turnley Spring	SNWA	4/13/2009	0.13		
	Turnley Spring	SNWA	6/3/2009	0.13		
	Turnley Spring	SNWA	7/7/2009	0.13		
	Turnley Spring	SNWA	8/24/2009	0.10		
	Turnley Spring	SNWA	10/6/2009	0.08		
	Turnley Spring	SNWA	11/18/2009	0.10		
	Turnley Spring	SNWA	2/24/2010	0.13		
	Turnley Spring	SNWA	7/27/2010	0.18		
	Turnley Spring	SNWA	11/11/2010	0.24		
	Violet Springs	Permittee	Jul-63	0.01	<b>0.01</b>	
	White Fire Spring	Permittee	5/9/1984	0.06	<b>0.29</b>	
	White Fire Spring	Permittee	Spring 1993	0.15		
	White Fire Spring	Permittee	4/14/1995	0.32		
	White Fire Spring	Permittee	4/15/1995	0.42		
	White Fire Spring	Permittee	4/23/1995	0.59		
	White Fire Spring	Permittee	4/30/1995	0.58		
	White Fire Spring	Permittee	5/6/1995	0.56		
	White Fire Spring	Permittee	5/7/1995	0.52		
	White Fire Spring	Permittee	5/13/1995	0.51		
	White Fire Spring	Permittee	5/14/1995	0.35		
	White Fire Spring	Permittee	5/15/1995	0.33		
	White Fire Spring	Permittee	5/16/1995	0.36		
	White Fire Spring	Permittee	5/17/1995	0.34		
	White Fire Spring	Permittee	5/18/1995	0.29		
	White Fire Spring	Permittee	5/19/1995	0.27		
	White Fire Spring	Permittee	5/20/1995	0.25		
	White Fire Spring	Permittee	5/21/1995	0.23		
	White Fire Spring	Permittee	5/22/1995	0.21		
	White Fire Spring	Permittee	5/23/1995	0.17		
	White Fire Spring	Permittee	5/27/1995	0.18		
	White Fire Spring	Permittee	5/28/1995	0.18		
	White Fire Spring	Permittee	6/3/1995	0.16		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	White Fire Spring	Permittee	6/10/1995	0.12		
	White Fire Spring	Permittee	6/17/1995	0.12		
	White Fire Spring	Permittee	6/24/1995	0.11		
	White Fire Spring	Permittee	7/1/1995	0.09		
	Willard Springs	SNWA	3/27/2007	0.007	<b>0.00</b>	
	Willard Springs	NDWR	10/14/2010	0.00		
	Willow Spring	SNWA	7/14/2004	0.004	<b>0.01</b>	
	Willow Spring	SNWA	8/28/2007	0.009		
	Willow Spring	SNWA	10/9/2007	0.009		
	Willow Spring	SNWA	11/27/2007	0.015		
	Willow Spring	SNWA	3/26/2008	0.011		
	Willow Spring	SNWA	4/29/2008	0.011		
	Willow Spring	SNWA	6/10/2008	0.011		
	Willow Spring	SNWA	7/22/2008	0.006		
	Willow Spring	SNWA	9/9/2008	0.004		
	Willow Spring	SNWA	10/14/2008	0.009		
	Willow Spring	SNWA	12/9/2008	0.011		
	Willow Spring	SNWA	2/4/2009	0.011		
	Willow Spring	SNWA	4/14/2009	0.011		
	Willow Spring	SNWA	5/26/2009	0.009		
	Willow Spring	SNWA	7/8/2009	0.006		
	Willow Spring	SNWA	8/18/2009	0.004		
	Willow Spring	SNWA	11/17/2009	0.009		
	Willow Spring	SNWA	3/30/2010	0.011		
	Willow Spring	SNWA	6/14/2010	0.004		
	Willow Spring	SNWA	8/31/2010	0.004		
	Willow Spring	SNWA	10/12/2010	0.009		
	Willow Spring	SNWA	10/12/2010	0.009		
	Willow Spring	SNWA	11/9/2010	0.009		
	Willow Spring	NDWR	10/15/2010	0.00		
	Spring No.7		11/28/1989	0.21	<b>0.24</b>	
	Spring No.7	Permittee	6/2/1984	0.46		
	Spring No.7	Permittee	10/11/1986	0.24		
	Spring No.7	Permittee	10/31/1986	0.24		
	Spring No.7	Permittee	4/30/1987	0.20		
	Spring No.7	Permittee	5/21/1987	0.21		
	Spring No.7	Permittee	6/13/1987	0.30		
	Spring No.7	Permittee	7/21/1987	0.27		
	Spring No.7	Permittee	9/20/1987	0.23		
	Spring No.7	Permittee	1/1/1988	0.16		
	Spring No.7	Permittee	2/1/1988	0.17		
	Spring No.7	Permittee	3/1/1988	0.18		
	Spring No.7	Permittee	4/1/1988	0.22		
	Spring No.7	Permittee	5/1/1988	0.31		
	Spring No.7	Permittee	6/11/1988	0.33		
	Spring No.7	Permittee	7/7/1988	0.29		
	Spring No.7	Permittee	8/1/1988	0.27		

<i>USGS Site ID</i>	<i>Station</i>	<i>Data Source</i>	<i>Measure Date</i>	<i>Discharge (cfs)</i>	<i>Average Discharge (cfs)</i>	Note: Average discharge from springs is estimated by averaging available discharge measurements
	Spring No.7	Permittee	9/13/1988	0.26		
	Spring No.7	Permittee	10/1/1988	0.26		
	Spring No.7	Permittee	11/21/1988	0.22		
	Spring No.7	Permittee	12/19/1988	0.18		
	Spring No.7	Permittee	1/2/1989	0.19		
	Spring No.7	Permittee	2/1/1989	0.16		
	Spring No.7	Permittee	3/1/1989	0.18		
	Spring No.7	Permittee	4/7/1989	0.23		
	Spring No.7	Permittee	5/4/1989	0.29		
	Spring No.7	Permittee	6/7/1989	0.29		
	Spring No.7	Permittee	7/1/1989	0.28		
	Spring No.7	Permittee	8/2/1989	0.25		
	Spring No.7	Permittee	9/3/1989	0.25		
	Spring No.7	Permittee	10/1/1989	0.24		
	Spring No.7	Permittee	11/1/1989	0.21		
	Spring No.7	Permittee	12/5/1989	0.20		
	Spring No.7	Permittee	1/1/1990	0.17		
	Spring No.7	Permittee	2/2/1990	0.16		