

STATE OF NEVADA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

DIVISION OF WATER RESOURCES

ADAM SULLIVAN, P.E.
STATE ENGINEER



WASHOE VALLEY
HYDROGRAPHIC BASIN 6-089

GROUNDWATER PUMPAGE INVENTORY

WATER YEAR 2022

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ABSTRACT

This inventory presents the status and pumpage of all permitted, certificated, claims of vested groundwater rights, and exempt domestic wells located within Washoe Valley, Hydrographic Basin 6-089, for water year 2022 (October 1, 2021 through September 30, 2022). Also included for summary purposes are graphs and data associated with this use.

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

For water year 2022, the committed groundwater resource totaled 13,091 acre-feet, with estimated pumpage of **6,299 acre-feet**. This amount includes an estimated 1,605 acre-feet pumped from domestic wells.

For water year 2022, irrigation was the largest manner of use within the basin, with pumpage of approximately 2,028 acre-feet and appropriations totaling 5,876 acre-feet. Pumping by domestic wells was estimated to be the second largest manner of use within the basin, at 1,605 acre-feet.

HYDROGRAPHIC BASIN SUMMARY

HYDROGRAPHIC BASIN NUMBER	089, REGION 6
HYDROGRAPHIC BASIN NAME	WASHOE VALLEY
COUNTIES	WASHOE COUNTY
MAJOR COMMUNITIES	OLD WASHOE CITY, WASHOE TERRACE, BELLEVUE ESTATES, FRANKTOWN ESTATES
DESIGNATED	YES
DENIALS BASED UPON WATER AVAILABILITY	IRRIGATION, MUNICIPAL, QUASI-MUNICIPAL, COMMERCIAL
GROUNDWATER LEVEL MEASUREMENTS	NDWR, TMWA, USGS
PUMPAGE INVENTORY, ACRE-FEET IN 2022	6,299 ¹

STATE ENGINEER'S ORDERS

707 – DESIGNATION

1175 – DOMESTIC WELL CREDIT

MARCH 1, 1978
OCTOBER 18, 2004

COMMITTED GROUNDWATER RESOURCE: 13,091 ACRE-FEET ^{2,3}		DATE: OCTOBER 2022
COMMERCIAL 21	DOMESTIC 3,210	IRRIGATION5,876
MUNICIPAL 2,009	OTHER 2	QUASI-MUNICIPAL116
RECREATIONAL..... 957	STOCKWATER..... 68	WILDLIFE.....832

¹ Includes pumpage by exempt domestic wells, as defined by NRS 534.013.

² Committed groundwater resource data are accurate as of the date listed. Manner of use category totals vary over time, as rights are not static. Rights may be subject to change applications, certification, withdrawals, forfeiture, and cancellations; each of these circumstances could affect the duty, diversion rate, and acreage associated with a given right. The value associated with each manner of use category does not include the amount relinquished in support of domestic wells. The committed domestic water resource is considered to be 2 acre-feet per domestic well and is based on the number of domestic wells (exempt and permitted) in the NDWR Well Log Database.

³ Due to rounding, numbers presented in tables within this report may not add up precisely to the totals provided.

PURPOSE AND SCOPE

The purpose of this report is to inventory all of the groundwater resources allocated and described by the Office of the State Engineer, Nevada Division of Water Resources (NDWR). The estimated amount of groundwater pumped under permits, certificates, vested claims, and exempt domestic wells within Washoe Valley, Hydrographic Basin 06-089, for water year 2022 (October 1, 2021 through September 30, 2022) is described in the following sections.

DESCRIPTION OF THE STUDY AREA

Washoe Valley is located in west-central Nevada, occupying approximately 82 square miles in Washoe County. The Washoe Valley basin boundary is as described by Designation Order 707 issued by the Nevada State Engineer on March 1, 1978. Washoe Valley is bounded to the west by the Carson Range of the Sierra Nevada and to the east by the Virginia Range. The bordering hydrographic basins are Truckee Meadows (6-087) and Pleasant Valley (6-088) to the north, Truckee Canyon Segment (6-091) to the northwest, Lake Tahoe Basin (6-090) to the west, Dayton Valley (8-103) to the east, and Eagle Valley (8-104) to the south (Figure 1).

The dominant hydrologic features of Washoe Valley are Washoe and Little Washoe Lakes. The Washoe Lakes form the headwaters of Steamboat Creek, which flows northward out of the basin to eventually join the Truckee River. Several perennial streams, including Winters Creek, Davis Creek, Ophir Creek, Franktown Creek, Musgrove Creek, McEwen Creek, and various natural springs, originate in the Carson Range and flow eastward into Washoe Lake.

Surface water is imported to Washoe Valley from the Lake Tahoe Basin via the Marlette/Hobart system. The system diverts water from Marlette Lake, within the Lake Tahoe Basin, and delivers it to Hobart Reservoir, located in Washoe Valley. From Hobart Reservoir, water is subsequently delivered via pipeline to Carson City and Virginia City for municipal use.

The U.S. Geological Survey (USGS) operates several streamflow gaging stations in Washoe Valley (Figure 1), including #10348460 ([Franktown Creek](#)), #10348505 ([Franktown Creek](#)), #10348520 ([Ophir Creek](#)), #10348550 ([Davis Creek](#)), and #10348570 ([Winters Creek](#)). All four creeks flow from the Carson Range on the west side of Washoe Valley. Site #10348600 ([Jumbo Wash near Washoe City, NV](#)) originates in the Virginia Range. Data from these gages can be accessed at <https://waterdata.usgs.gov/nv/nwis/current/?type=flow>.

GROUNDWATER LEVELS

Depths to groundwater are measured in various groundwater basins in Nevada (Figure 2). Groundwater level data collected by and reported to NDWR can be found here: <http://water.nv.gov/WaterLevelData.aspx>. NDWR also maintains a mapping application for these groundwater level data: <https://tinyurl.com/WLDashboard>. Additional groundwater level data collected by the U.S. Geological Survey (USGS) at various locations across the state may be accessed through their website at: <https://waterdata.usgs.gov/nv/nwis/gw>.

METHODS TO ESTIMATE PUMPAGE

One of the purposes of this report is to estimate the amount of groundwater pumped under vested claims, permits, and certificates issued by the State Engineer, as well as the amount pumped by exempt domestic wells in the valley. Table 1 and Figure 3 show historical pumpage by manner of use; Figure 4 shows the percentage of water pumped by manner of use; and Figure 5 compares groundwater commitments and estimated pumpage by manner of use. The following methods were used to arrive at the estimated volume of groundwater pumped in the basin:

- Where totalizing meters were in place, meter readings were taken by NDWR staff or reported by the permittee. Readings are compared with previous data, if available; reported pumpage totals may be verified by staff.
- Where meters were not in place and the use was irrigation, pumpage was estimated by multiplying the number of hours the well was operated during the past year (determined from an hour meter reading or asking the water user) by the certificated diversion rate.
- Where there were no flow meters or other reliable options for estimating pumpage and the use was irrigation, pumpage was estimated by dividing the Net Irrigation Water Requirement (NIWR) for the crop grown by the efficiency of the irrigation method used, then multiplying by the number of acres irrigated. Irrigation efficiencies associated with three types of irrigation methods are pivot at 85%, wheel line or other hand moved sprinklers at 75%, and flood at 60%. The pumpage amount estimated by this method was limited by the duty of the permit. For places where the groundwater rights were supplemental to surface water, groundwater use was estimated using the NIWR method above, but adjusted based on available surface water for the year. Evapotranspiration and NIWR data by basin can be found on the NDWR website at: <http://water.nv.gov/Evapotranspiration.aspx>.
- Where meters were not present, previous data were not available, and the manner of use was not irrigation, pumpage was estimated by applying the annual duty, if the use was as described in the certificate, permit or claim. If the use was not as described in the certificate, permit or claim, a value was estimated based upon the circumstances of use for the subject year.
- Exempt domestic wells may be drilled and utilized where water service from a purveyor is not available. These types of wells do not require a permit from the State Engineer if they do not pump more than 2 acre-feet per year as provided by Nevada Revised Statutes (NRS) [534.180](#). [NRS 534.013](#) defines this category of domestic use as follows: *“Domestic use or domestic purposes extends to culinary and household purposes directly related to a single family dwelling, including, without limitation, the watering of a family garden and lawn and the watering of livestock and any other domestic animals or household pets.”* The number of domestic wells (exempt and permitted) in the basin was determined by a query of the NDWR Well Log Database. The amount of water pumped by domestic wells is estimated to be 1 acre-foot per well in Washoe Valley.

TABLES

Table 1. Washoe Valley historical pumpage (acre-feet) by reporting year.

YEAR	COM	DOM	IRR	MUN	OTH	QM	REC	STK	WLD	TOTAL
2018	25	1,599	2,219	1,290	2	47	647	14	760	6,604
2019	30	1,580	1,466	306	2	41	118	15	760	4,318
2020	21	1,586	2,126	742	2	40	228	15	742	5,502
2021	21	1,594	2,067	392	2	65	320	15	773	5,250
2022	21	1,605	2,028	1,270	2	84	248	18	1,024	6,299

NDWR also maintains a [mapping application](#) for displaying historical pumpage data by basin.

FIGURES

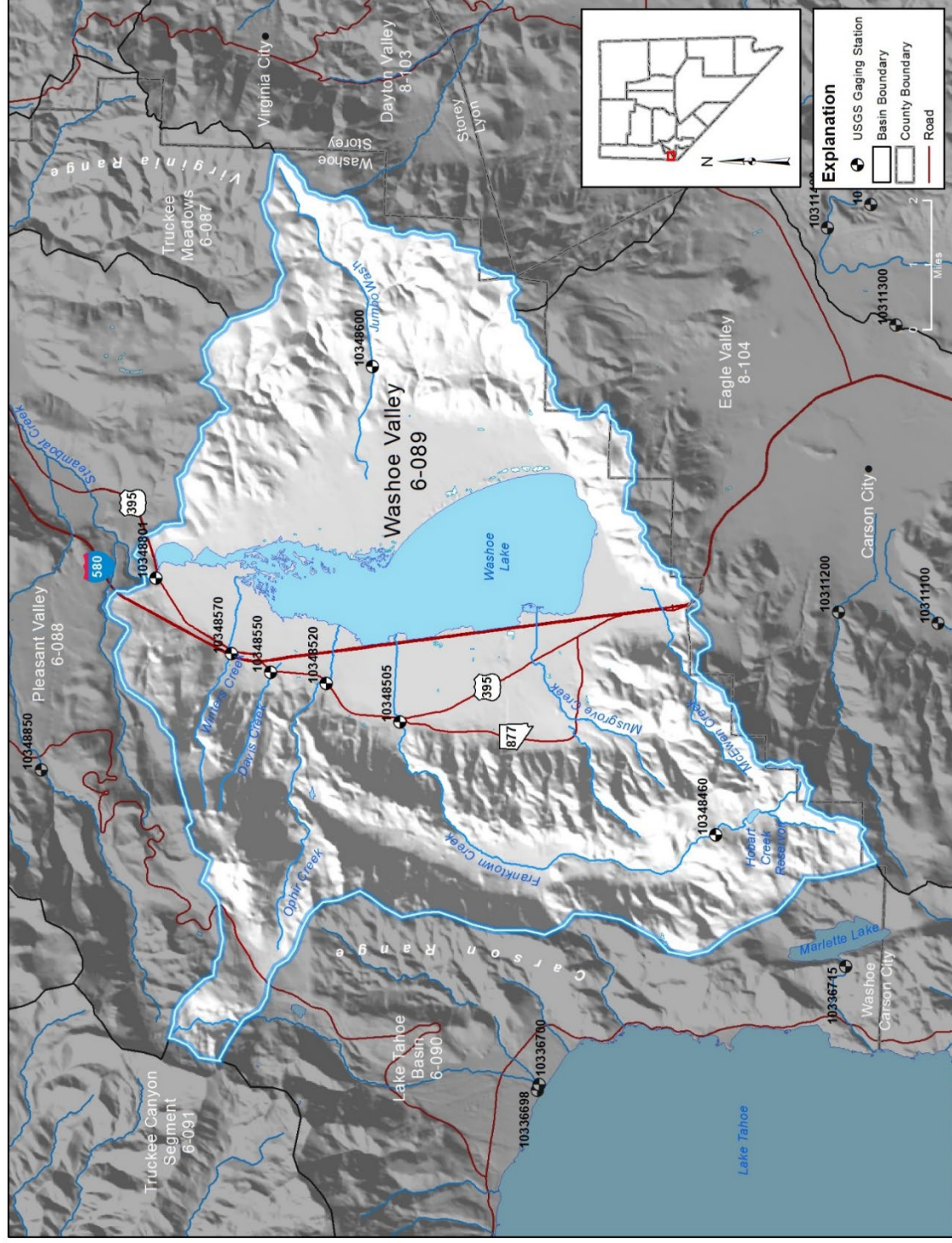


Figure 1. Physiographic map of Washoe Valley (Hydrographic Basin 6-089).

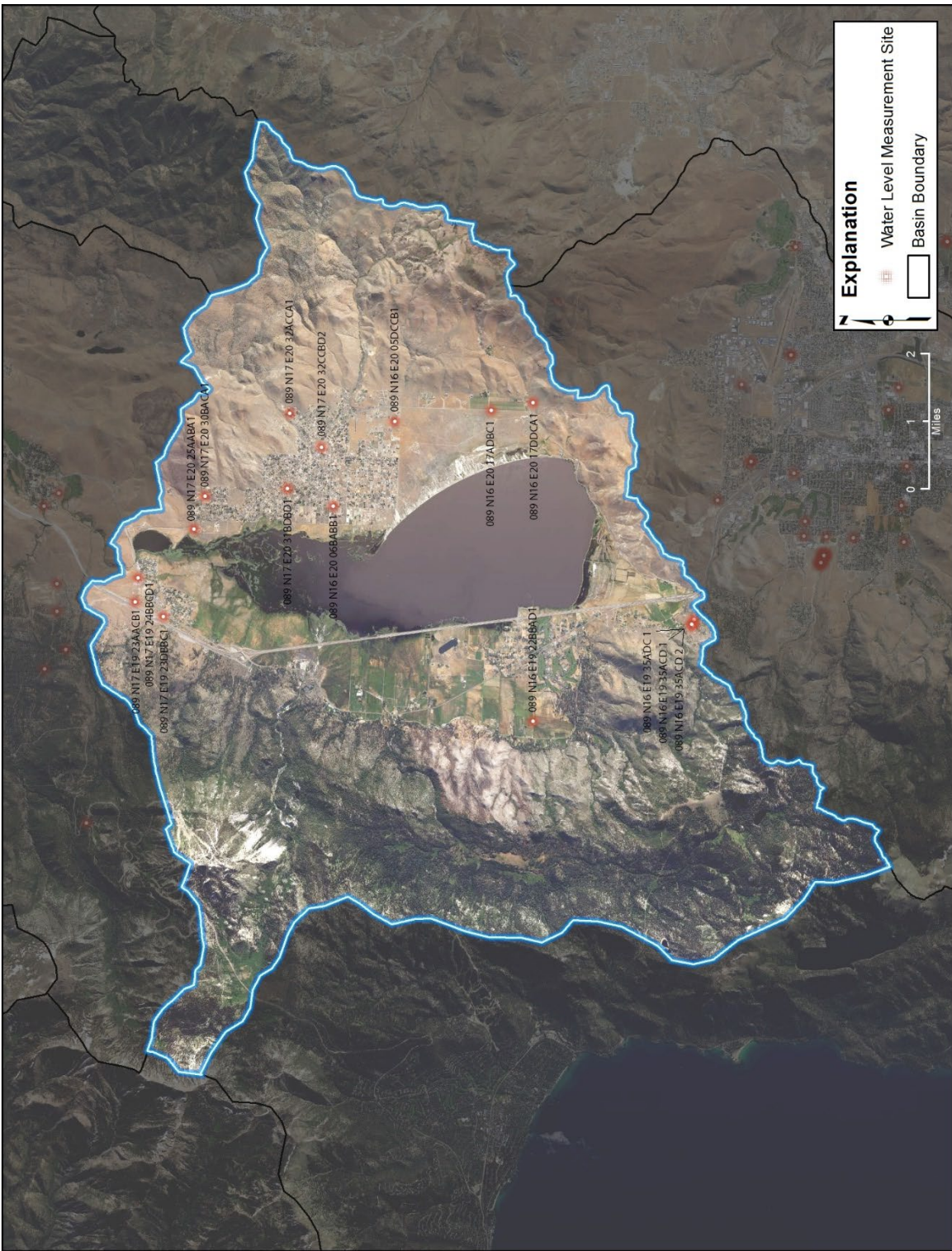


Figure 2. Washoe Valley groundwater level measurement sites.

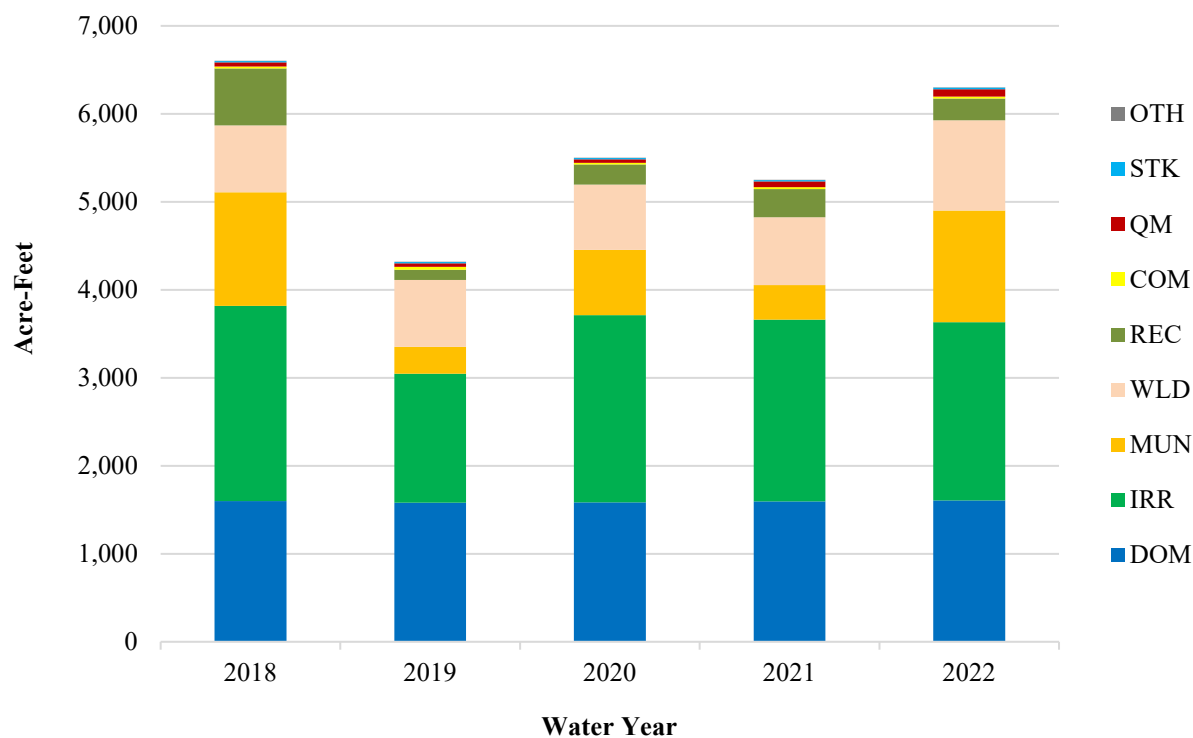


Figure 3. Washoe Valley historical pumpage by manner of use.

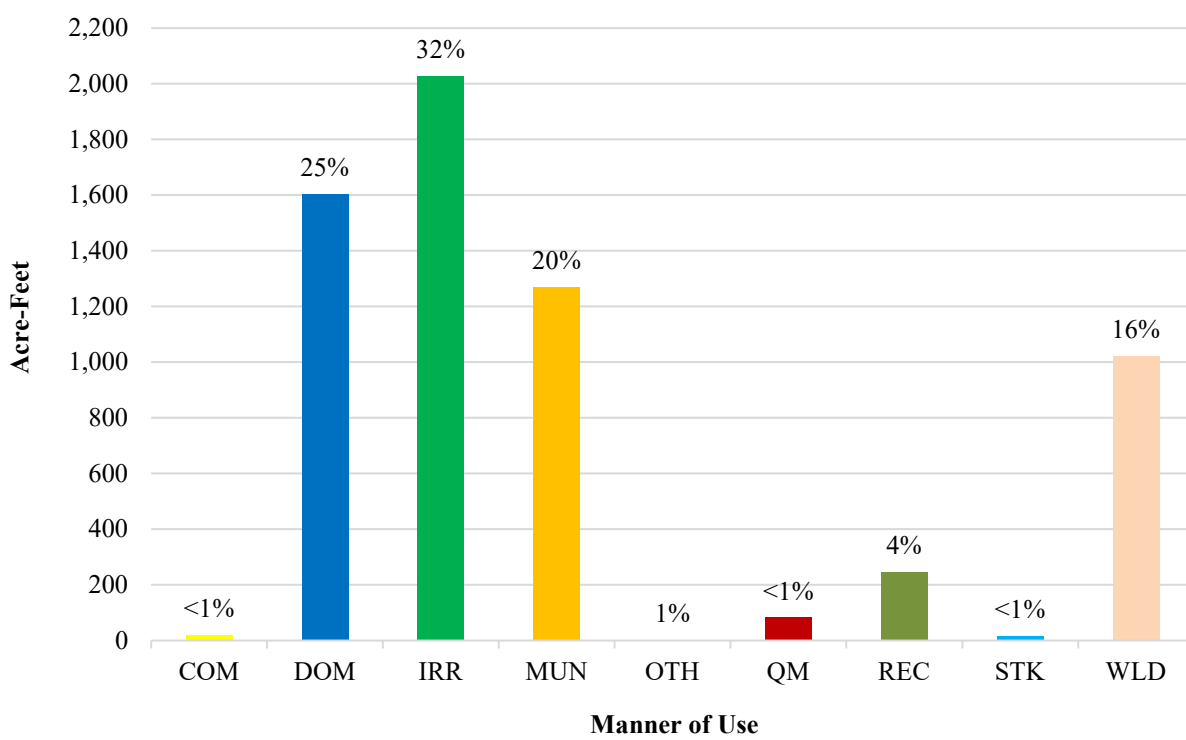


Figure 4. Percentage of 2022 groundwater pumpage by manner of use.

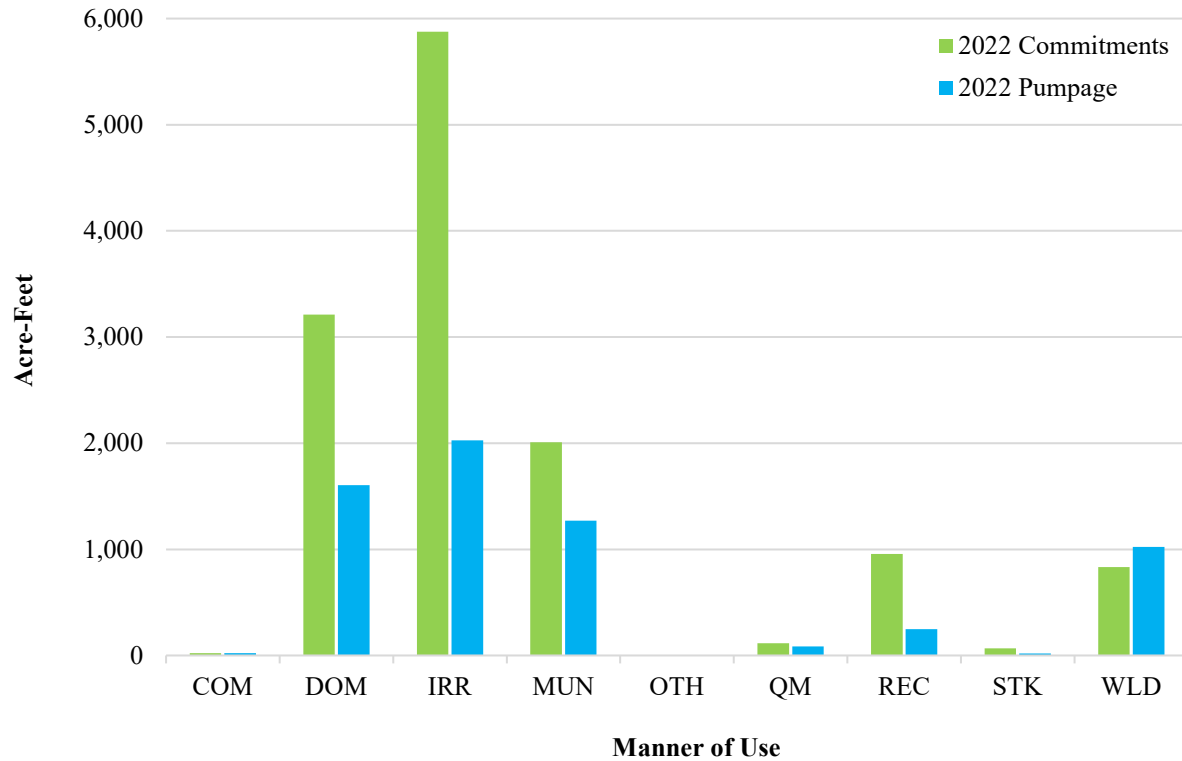


Figure 5. Comparison between 2022 groundwater commitments and estimated pumpage. Certain WLD and IRR permits in Washoe Valley share a total combined duty that is accounted for under IRR. This attribution of commitments results in WLD pumpage that exceeds WLD commitments, though over-pumping may not have occurred.

**APPENDIX A. WASHOE VALLEY 2022 GROUNDWATER PUMPAGE BY
APPLICATION NUMBER**

EXPLANATION OF COLUMN HEADINGS FOR GROUNDWATER PUMPAGE BY APPLICATION NUMBER

APP NO.	The file number of the permit, certificate, or vested claim of right.		
SITE NAME	An ID assigned to each well, based on its geographic location.		
STATUS	Indicates if the application is a permit (PER), claim of vested right (VST), or if it has been certificated. For certificated applications, the certificate number will be listed in the column.		
MOU	The manner of use of the appropriated water. MOU's may include: COM - Commercial CON - Construction DOM - Domestic ENV - Environmental IND - Industrial IRR - Irrigation MM - Mining & Milling MUN - Municipal OTH - Other PWR - Power QM - Quasi-Municipal REC - Recreation STK - Stockwater STO - Storage WLD - Wildlife		
OWNER OF RECORD	The owner of the water right as recorded in the files of the State Engineer. A water right may have more than one owner of record.		
QQ	The quarter quarter of the Section in which the point of diversion is located.		
Qtr	The quarter of the Section in which the point of diversion is located.		
Sec	The Section in which the point of diversion is located.		
T	The Township in which the point of diversion is located.		
R	The Range in which the point of diversion is located.		
PER. ACRES	The number of acres that are permitted to be irrigated.		
DUTY (AF)	The number of acre-feet of water that the permittee may pump as defined by the permit, certificate, or claim of vested right. One acre-foot equals 325,851 gallons.		
SUPP ADJ	The total combined duty of a permit group. The permits may have a supplemental relationship or be located at the same point of diversion.		
DUTY USED	The amount of water used during the reporting period, in acre-feet, as determined by review of records and/or field investigation. A "--" in this field indicates that pumpage was attributed to another permit that may be supplemental or located at the same site.		
UNIT	Acre-feet annually (AFA) and acre-feet seasonally (AFS). AFS limits water usage to certain months of the year.		
TCD GROUP	The file number(s) of any associated groundwater appropriations.		
METHOD	The method used to estimate pumpage, or duty used. D – Duty E – Estimated use based on field investigation observations H – Estimated using power meter data or hours of pump operation M – Meter reading on a totalizing meter N – Net Irrigation Water Requirement P – Water from the point of diversion not delivered to the place of use		

R – Reported pumpage
X – Works of diversion are unequipped or non-functioning
Z – Works of diversion not yet constructed

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WATER YEAR 2022 GROUNDWATER PUMPAGE BY APPLICATION NUMBER

APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD				QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
9268	089 N16 E19 10CBCC1	2543	IRR	LICHENS, FRED & BARBARA (7.48 AF); PRIMM FAMILY TRUST (323.78 AF); SIERRA PACKAGING & CONVERTING (46.17 AF); YARHI, ROBERT (78.57 AF)				NW	SW	10	16N	19E	94.02	456.00	456.00	273.60	AFA	Footnote 3	E
11510	089 N17 E19 24BCBC1	3329	IRR	LAWRENCE, KENNETH C. AND ZELDA				SW	NW	24	17N	19E	3.00	12.00	12.00	2.00	AFA	Footnote 48	E
11807	089 N17 E19 23ADCD2	3537	IRR	AITKEN, DAVID M.				SE	NE	23	17N	19E	7.00	9.70	9.70	2.10	AFA		N
17420	089 N16 E20 17ACCA1	5530	IRR	NEVADA-PARKS DIVISION				SW	NE	17	16N	20E	36.27	145.07	145.07	17.97	AFA	Footnote 38	M
17566	089 N17 E19 23DCCA1	5425	IRR	STEELE, KATHY				SW	SE	23	17N	19E	0.01	0.02	0.02	0.00	AFA		E
18308	089 N16 E19 03CDBD1	6112	IRR	R.F.I. RAYMOND				SE	SW	3	16N	19E	39.75	59.63	59.63	0.00	AFA		E
18308	089 N16 E19 03CDBD1	6112	IRR	GEORGE W. GILLEMOT FAMILY TRUST				SE	SW	3	16N	19E	275.47	556.78	556.78	264.31	AFA	Footnote 1	E
19691	089 N16 E20 06BDAB1	5942	IRR	BROWN, MICHAEL (4 AFA) AND RATLIFF, ROY L. & LORENE (4 AFA)				SE	NW	6	16N	20E	2.00	8.00	8.00	2.52	AFA		N
19993	089 N16 E19 26DABC1	5387	IRR	STEWART, JOHN W & JANICE C				NE	SE	26	16N	19E	5.00	20.00	20.00	15.12	AFA		N
20114	089 N16 E19 35ACDA1	5472	DOM	KELLEY, PETER T.				SW	NE	35	16N	19E		1.63	1.63		AFA		D
20648	089 N16 E19 22DBBA1	6086	IRR	WEISE, ROBERT LEWIS				NW	SE	22	16N	19E	0.41	1.49	123.19	0.00	AFA	Footnote 9	E
20648	089 N16 E19 22DBBA1	6086	IRR	WEBB, WILLIAM & SHELLY				NW	SE	22	16N	19E	1.00	3.63		0.00	AFA	Footnote 9	E
20648	089 N16 E19 22DBBA1	6086	IRR	NEVADA-STATE LANDS DIVISION				NW	SE	22	16N	19E	27.22	98.80		0.00	AFA	Footnote 9	E
20840	089 N16 E19 15BDAD1	6411	IRR	CLIFF, ALVIN H. (13.28 AF), CLIFF BROS RANCH LLC (531.08 AF)				SE	NW	15	16N	19E	177.43	544.36	544.36	316.62	AFA	Footnote 7	E
21282	089 N16 E19 01ACBD1	6237	WLD	NEVADA-STATE LANDS DIVISION				SW	NE	1	16N	19E		100.36	100.36	10.04	AFA		E
21283	089 N16 E19 01ACBD1	6238	STK	NEVADA-STATE LANDS DIVISION				SW	NE	1	16N	19E		3.38	3.38	-	AFA		E
21792	089 N17 E19 24BCBB1	7153	COM	JASON MURRY TRUST DATED 4/23/2015				SW	NW	24	17N	19E		2.16	2.16	2.94	AFA		M
23287	089 N16 E19 22DADC1	8078	IRR	CONSERVATION FUND				NE	SE	22	16N	19E	29.12	117.14		63.63	AFA	Footnote 9	M
23289	089 N17 E20 31BDBD1	6957	IRR	THE RICHARD V. TARAS TRUST DATED 11/10/1995				SE	NW	31	17N	20E	0.25	1.00	1.00	0.10	AFA		E
24003	089 N17 E19 36DDDD1	8106	IRR	NEVADA-STATE LANDS DIVISION				SE	SE	36	17N	19E	44.60	178.40	1,793.00	178.40	AFA	Footnote 32	M
24004	089 N17 E19 36DDDD1	9075	WLD	FALCON CAPITAL, LLC				SE	SE	36	17N	19E		1,794.96		282.48	AFA	Footnote 32	M
24781	089 N17 E19 27DCAD1	8083	REC	WASHOE COUNTY				SW	SE	27	17N	19E		9.82	9.82	9.82	AFA		D
24782	089 N17 E19 27DCAD1	8496	REC	WASHOE COUNTY				SW	SE	27	17N	19E		11.60	11.60	11.60	AFA		D
24876	089 N16 E19 30CAAC1	8801	MUN	NEVADA-BUILDINGS AND GROUNDS DIVISION				NE	SW	30	16N	19E		514.00	514.00	514.00	AFA		D
25708	089 N17 E19 23CADD1	7613	QM	ROMAN CATHOLIC BISHOP OF RENO				NE	SW	23	17N	19E		42.57	42.57	4.00	AFA		E
25840	089 N17 E20 31CDDA1	7826	QM	WELCH, CLARE C.				SE	SW	31	17N	20E		4.02	4.02	4.02	AFA		D
26345	089 N17 E20 31ACDD1	8209	IRR	HAWKINS, MARY ANNE				SE	NE	31	17N	20E	1.73	6.94	6.94	1.59	AFA		N
26386	089 N16 E20 06CABB2	7990	IRR	PYLE, CHARLES R. & GAYLE L.				NE	SW	6	16N	20E	0.85	3.40	3.40	0.65	AFA	Footnote 25	N
26387	089 N16 E20 06CABB1	7991	IRR	PYLE, CHARLES R. & GAYLE L.				NE	SW	6	16N	20E	0.85	3.40		0.65	AFA	Footnote 25	N

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WATER YEAR 2022 GROUNDWATER PUMPAGE BY APPLICATION NUMBER

APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD	QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
26469	089 N16 E19 11BCCC1	8580	IRR	RUSK FAMILY TRUST	SW	NW	11	16N	19E	1.01	4.04	4.04	4.04	AFA		D
26731	089 N16 E20 06DBB1	9028	QM	TINBERG, GEORGE	SE	NW	6	16N	20E		1.01	1.01	1.01	AFA		D
27284	089 N16 E19 23BBA1	8762	IRR	MCCARLEY, JULAYNE	NW	NW	23	16N	19E	1.01	4.06	4.06	3.27	AFA		N
27565	089 N16 E19 23BDCD1	9459	IRR	WEISE, ROBERT L. AND CATHY V.	SE	NW	23	16N	19E	1.78	7.10	7.10	0.23	AFA		M
27569	089 N16 E19 21DADA2	9252	IRR	CAROL A. BAILEY 1994 TRUST (70.91 AF), ROSEHAVEN PROPERTIES, LLC (89.83 AF)	NE	SE	21	16N	19E	81.46	160.74	160.74	160.74	AFA	Footnote 8	D
27891	089 N16 E20 16ACAC1	11777	IRR	STRAUBEL, JEFFREY BRIAN	SW	NE	16	16N	20E	23.00	57.90	92.00	28.03	AFA	Footnote 28	N
28570	089 N16 E20 06BADA1	9967	QM	NELSON, JAMES N. JR.	NE	NW	6	16N	20E		2.24	2.24	2.24	AFA		D
29119	089 N16 E20 16DBAA1	11778	IRR	STRAUBEL, JEFFREY BRIAN	NW	SE	16	16N	20E	23.00	29.00		0.00	AFA	Footnote 28	X
29998	089 N17 E19 23DBCD1	11244	QM	JAMES HENRY FULTON	NW	SE	23	17N	19E		8.41	8.41	4.21	AFA	Footnote 36	E
29999	089 N17 E19 23DBCD2	11171	QM	JAMES HENRY FULTON	NW	SE	23	17N	19E		8.41		4.20	AFA	Footnote 36	E
30097	089 N17 E19 23ADCB1	ABR	QM	TMWA	SE	NE	23	17N	19E				ABR	AFA		N/A
30225	089 N17 E19 36DDDD1	10610	IRR	NEVADA-STATE LANDS DIVISION	SE	SE	36	17N	19E	11.40	45.60		-	AFA	Footnote 32	M
30436	089 N16 E19 23CCBB1	10526	IRR	HANNAN, J. THOMAS	SW	SW	23	16N	19E	4.09	16.36	16.36	16.36	AFA		D
30581	089 N16 E19 23CBCB1	9766	IRR	ANDREWS, JOHN & PAMELA MURPHEY 1991 TRUST (1.485 AF), GIBSON, JAMES & MARILYN (0.998 AF), HADLEY, CJ & SULLIVAN, TERRY (0.998), LANG FAMILY TRUST (2.741 AF), PENNINGTON, AL & DELANE M. (0.998 AF), PRUETT, DONALD (0.998 AF), TRUST B-2 UNDER THE WILL OF EDWARD E EYRE (0.0998)	NW	SW	23	16N	19E	3.04	9.22		0.00	AFA	Footnote 9	E
30895	089 N16 E19 30CAAC1	10786	MUN	NEVADA-BUILDINGS AND GROUNDS DIVISION	NE	SW	30	16N	19E		631.89	631.89	631.89	AFA		D
31712	089 N17 E19 23ADCD1	11028	COM	RILEY, ERNEST H. AND JEWEL	SE	NE	23	17N	19E		0.22	0.22	0.22	AFA		D
31763	089 N16 E19 23CCBD1	10527	IRR	THE KING FAMILY TRUST	SW	SW	23	16N	19E	5.00	20.00	20.00	6.01	AFA		M
31847	089 N16 E19 22DBCA1	11802	IRR	WEIR, DON AND JULIE	NW	SE	22	16N	19E	2.96	11.84	11.84	0.40	AFA		E
33672	089 N16 E19 03BBDA1	10270	REC	WASHOE COUNTY	NW	NW	3	16N	19E		61.26	61.26	0.44	AFA		R
33690	089 N16 E20 06CDBC1	10170	IRR	NICHOLSON, SUZANN M.	SE	SW	6	16N	20E	0.50	2.00	2.00	0.09	AFA		N
34713	089 N17 E19 25AAAD1	10636	QM	TRUCKEE MEADOWS FIRE PROTECTION DST.	NE	NE	25	17N	19E		0.40	0.40	0.56	AFA		M
35019	089 N17 E20 30BDBB1	10171	QM	JON C. LINDBERG & MICHAL K. LINDBERG	NW	NW	30	17N	20E		1.38	1.38	1.38	AFA		D
35230	089 N17 E19 25ADDA1	11230	OTH	NEVADA-STATE LANDS DIVISION	SE	NE	25	17N	19E		2.00	2.00	2.00	AFA		D
35268	089 N16 E19 09ADBB1	12192	QM	FRANKTOWN HILLS ASSOCIATION	SE	NE	9	16N	19E		3.13	4.14	1.88	AFA	Footnote 37	E
35330	089 N17 E19 25AABA2	10675	IRR	NEVADA-FORESTRY DIVISION	NE	NE	25	17N	19E	2.90	7.60	7.60	7.60	AFA		D
36386	089 N17 E19 34ADCB1	10653	REC	GASH, ROGER	SE	NE	34	17N	19E		2.89	2.89	1.12	AFA		E
36588	089 N17 E20 32CCBD1	11074	COM	TRE UCCELLINI, LLC	SW	SW	32	17N	20E		0.39	0.39	0.39	AFA		D

089 WASHOE VALLEY

WATER YEAR 2022 GROUNDWATER PUMPAGE BY APPLICATION NUMBER

APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD				QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
36849	089 N16 E19 26DDCC1	10473	STK	MCCLEARY, ELIZABETH ANNE				SE	SE	26	16N	19E		0.61	0.61	0.18	AFA		E
38493	089 N17 E19 24BCBC2	10658	IRR	SECTOR 9, LLC				SW	NW	24	17N	19E	1.80	4.33		2.00	AFA	Footnote 48	E
38768	089 N16 E20 17ACCA1	10693	REC	NEVADA-PARKS DIVISION				SW	NE	17	16N	20E		8.53	8.53	-	AFA	Footnote 38	M
38904	089 N17 E20 32ACCA1	10734	QM	LDS				SW	NE	32	17N	20E		2.30	2.30	2.30	AFA		D
38975	089 N16 E19 25CABC1	11136	REC	NEVADA-PARKS DIVISION				NE	SW	25	16N	19E		3.56	3.56	3.56	AFA		D
40528	089 N16 E19 03BABA1	12373	REC	WASHOE COUNTY				NE	NW	3	16N	19E		20.38	20.38	13.12	AFA		M
45173	089 N17 E20 31CACB1	12530	REC	WASHOE COUNTY				NE	SW	31	17N	20E		8.78	8.78	8.78	AFA		M
45398	089 N17 E19 25AABA1	11241	IRR	NEVADA-FORESTRY DIVISION				NE	NE	25	17N	19E	3.50	6.91	6.91	6.91	AFA		D
46809	089 N16 E19 23CADB1	12569	IRR	WEBB, WILLIAM & SHELLY				NE	SW	23	16N	19E	2.50	10.00	10.00	10.00	AFA	Footnote 19	N
46810	089 N16 E19 23CADB1	12570	IRR	WEBB, WILLIAM & SHELLY				NE	SW	23	16N	19E	0.39	1.50		-	AFA	Footnote 19	N
48824	089 N16 E20 16ACCB1	13278	IRR	STRAUBEL, JEFFREY BRIAN				SW	NE	16	16N	20E	23.00	38.20		0.00	AFA	Footnote 28	X
48915	089 N17 E20 32CCDB1	10734	QM	RODRIGUEZ-OCAMPO, GONZALO & VIDAL-DERODRIGUEZ, JOVITA				SW	SW	32	17N	20E		2.37	2.37	0.62	AFA		E
49089	089 N16 E19 27AAAA1	14175	IRR	COPELAND, ALLEN R. AND EDENIR				NE	NE	27	16N	19E	1.50	6.00	6.00	6.00	AFA		D
49390	089 N17 E20 32CBA1	PER	COM	WARNER, RANDALL J.				SW	SW	32	17N	20E		0.49	0.49	0.49	AFA		D
49883	089 N16 E20 06BABB1	14688	OTH	PLEASANT VALLEY V.F.D.				NE	NW	6	16N	20E		0.25	0.25	0.25	AFA		D
49896	089 N17 E20 31DDDC1	13833	QM	WASHOE COUNTY				SE	SE	31	17N	20E		3.50	7.00	0.06	AFA	Footnote 39	M
49897	089 N17 E20 31DDDD1	13834	QM	WASHOE COUNTY				SE	SE	31	17N	20E		3.50		1.33	AFA	Footnote 39	M
50138	089 N16 E19 25CCCA1	14176	IRR	THE SMITH TRUST, DATED SEPT. 12, 2011				SW	SW	25	16N	19E	27.91	109.06	109.06	105.56	AFA		N
51087	089 N17 E19 26BCAB1	13994	IRR	SAYAN, MICHAEL DENNIS				SW	NW	26	17N	19E	5.45	7.25	7.25	7.25	AFA		D
51088	089 N17 E19 27ADAA1	13862	IRR	FROHLICH, MARK C.				SE	NE	27	17N	19E	2.62	10.49	25.94	6.77	AFA	Footnote 30	N
52002	089 N16 E20 17ADBC1	12402	IRR	MURPHY-SHARP, DONNA R. AND WILLIAM R.				SE	NE	17	16N	20E	94.17	240.44	240.44	162.53	AFA	Footnote 29	M
52003	089 N16 E20 17ADBC1	12403	IRR	MURPHY-SHARP, DONNA R. AND WILLIAM R.				SE	NE	17	16N	20E	94.17	240.44		-	AFA	Footnote 29	M
52028	089 N17 E20 31CCDB1	12685	IRR	DANIELS, CHARLES & SUSAN				SW	SW	31	17N	20E	1.00	4.00	4.00	1.83	AFA		M
52597	089 N17 E19 23DBBC1	13687	COM	SALZWIMMER, CAROLINE				NW	SE	23	17N	19E		0.34	0.34	0.08	AFA		M
52618	089 N17 E19 26BCDB1	13863	IRR	FROHLICH, MARK C.				SW	NW	26	17N	19E	6.99	25.94		0.00	AFA	Footnote 30	E
53076	089 N16 E20 06ACDB1	12736	IRR	WASHOE COUNTY				SW	NE	6	16N	20E	0.64	2.02	2.02	1.07	AFA		N
54841	089 N17 E20 31CCDB1	13826	IRR	DANIELS, CHARLES & SUSAN				SW	SW	31	17N	20E	1.00	4.00	4.00	1.83	AFA		M
55838	089 N17 E20 31CCCD1	14081	IRR	BRADFORD ROYAL KEIFE				SW	SW	31	17N	20E	2.50	10.00	10.00	6.06	AFA		M
56534	089 N16 E19 23BBA2	14195	STK	MCCARLEY, JULAYNE				NW	NW	23	16N	19E		0.06	0.06	0.00	AFA		E

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APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD				QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
57914	089 N16 E20 08DACB1	15563	IRR	HOWELL, ROBERT (6.23 AF), KAUFFMANN, DYKE AND BETH (2.14 AF), RT MERCHANT, LLC (0.12 AF), SERPA, JOHN (1.00 AF), WALTERS FAMILY TRUST (5.16 AF), WHALLEY, BARRY AND SUZANNE (4.00 AF)				NE	SE	8	16N	20E	4.66	18.65	18.65	0.00	AFA	Footnote 27	X
57915	089 N16 E20 08DDCB1	PER	QM	PERENNIAL PLACES, LLC (1.17 AF), RT MERCHANT (0.0873 AF)				SE	SE	8	16N	20E		1.94	1.94	0.00	AFA		X
58389	089 N16 E19 03CAAA1	17309	STK	FRANKTOWN MEADOWS, INC.				NE	SW	3	16N	19E		2.24	2.24	2.24	AFA		M
58615	089 N17 E19 23AACB1	15786	COM	TMWA				NE	NE	23	17N	19E		1.87		1.87	AFA	Footnote 35	R
58723	089 N16 E19 22CABA1	15100	IRR	JOHN C. MAYES				NE	SW	22	16N	19E	1.25	2.50	5.00	0.22	AFA	Footnote 10	M
58724	089 N16 E19 22CACA1	15603	IRR	PIERCZYNSKI, EDMOND J. AND MARY B.				NE	SW	22	16N	19E	1.25	4.49	4.56	1.81	AFA	Footnote 11	M
58725	089 N16 E19 22CABA1	15101	IRR	JOHN C. MAYES				NE	SW	22	16N	19E	1.25	2.50		-	AFA	Footnote 10	M
58726	089 N16 E19 16DADB1	15750	IRR	RUMMINGS, L. JAMES & PATTY W.				NE	SE	16	16N	19E	1.25	5.00	5.00	3.45	AFA	Footnote 7	M
58727	089 N16 E19 23CABA1	15343	IRR	BURCH, AGATHA				NE	SW	23	16N	19E	0.63	2.50	2.50	2.50	AFA		D
58728	089 N16 E19 23CAAC1	15362	IRR	RIEBLI, ROSE MARIE AND WERNER				NE	SW	23	16N	19E	0.63	2.50	2.50	3.97	AFA		M
58729	089 N16 E19 10CCCD1	16056	IRR	CAROLINE J. HOOTON REV TRUST DATED 5/4/98				SW	SW	10	16N	19E	1.25	5.00	5.00	1.57	AFA		N
58732	089 N16 E19 22CABC3	15608	IRR	SCOTT JONES LIVING TRUST DATED 11/29/17				NE	SW	22	16N	19E	1.25	4.56	5.00	4.56	AFA	Footnote 12	N
58733	089 N16 E19 22CABC3	15609	IRR	SCOTT JONES LIVING TRUST DATED 11/29/17				NE	SW	22	16N	19E	1.25	4.49		1.48	AFA	Footnote 12	N
58735	089 N16 E19 22CACA1	15605	IRR	PIERCZYNSKI, EDMOND J. AND MARY B.				NE	SW	22	16N	19E	1.25	4.56		-	AFA	Footnote 11	M
58922	089 N17 E19 24BBCD1	14695	QM	WASHOE VALLEY STORAGE LIMITED PARTNERSHIP				NW	NW	24	17N	19E		1.14	1.14	0.27	AFA		M
58963	089 N16 E19 14DCBC1	16271	OTH	WASHOE VALLEY VOLUNTEER FIRE DEPT.				SW	SE	14	16N	19E		0.06	0.06	0.06	AFA		D
59015	089 N16 E19 22CDBB1	15195	IRR	DI LORETO FAMILY TRUST				SE	SW	22	16N	19E	1.25	4.56	5.00	4.56	AFA	Footnote 13	M
59016	089 N16 E19 22CDBB1	15196	IRR	DI LORETO FAMILY TRUST				SE	SW	22	16N	19E	1.25	4.00		1.01	AFA	Footnote 13	M
59017	089 N16 E19 22CDBB1	15197	IRR	DI LORETO FAMILY TRUST				SE	SW	22	16N	19E	1.25	4.49		-	AFA	Footnote 13	M
59021	089 N16 E19 22CDAD1	15837	IRR	DI LORETO FAMILY TRUST				SE	SW	22	16N	19E	5.00	1.28	20.00	1.28	AFA	Footnote 14	M
59022	089 N16 E19 22CDAD1	15838	IRR	DI LORETO FAMILY TRUST				SE	SW	22	16N	19E	5.00	5.55		4.73	AFA	Footnote 14	M
59023	089 N16 E19 22CDAD1	15839	IRR	DI LORETO FAMILY TRUST				SE	SW	22	16N	19E	5.00	1.45		-	AFA	Footnote 14	M
59024	089 N16 E19 22CDAD1	15840	IRR	DI LORETO FAMILY TRUST				SE	SW	22	16N	19E	5.00	11.72		-	AFA	Footnote 14	M
59030	089 N16 E19 22CCAD1	15981	IRR	BILL E CARLSON AND SHARON M CARLSON				SW	SW	22	16N	19E	1.25	4.56	5.00	1.82	AFA	Footnote 15	M
59031	089 N16 E19 22CCAD1	15982	IRR	BILL E CARLSON AND SHARON M CARLSON				SW	SW	22	16N	19E	1.25	4.00		-	AFA	Footnote 15	M
59032	089 N16 E19 22CCAD1	15983	IRR	BILL E CARLSON AND SHARON M CARLSON				SW	SW	22	16N	19E	1.25	4.49		-	AFA	Footnote 15	M
59035	089 N16 E19 22CDBD1	15061	IRR	SCARPELLO FAMILY TRUST				SE	SW	22	16N	19E	2.50	9.11	10.00	6.96	AFA	Footnote 16	M
59036	089 N16 E19 22CDBD1	15062	IRR	SCARPELLO FAMILY TRUST				SE	SW	22	16N	19E	2.50	8.00		-	AFA	Footnote 16	M

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59037	089 N16 E19 22CDBD1	15063	IRR	SCARPELLO FAMILY TRUST	SE	SW	22	16N	19E	2.50	8.99		-	AFA	Footnote 16	M
59328	089 N16 E20 05DAAB1	PER	QM	CHAN, RUTH	NE	SE	5	16N	20E		2.52	2.52	0.38	AFA		M
59703	089 N17 E19 23AACB1	PER	QM	TMWA	NE	NE	23	17N	19E		57.14		45.27	AFA	Footnote 35	R
60123	089 N16 E19 16DAAA1	15731	IRR	KING, ELIZABETH H. AND MACLELLAN E JR.	SE	SE	16	16N	19E	1.00	2.00	2.00	1.43	AFA	Footnote 7	M
60342	089 N16 E19 10CBBB1	ABR	IRR	SEGO FAMILY TRUST	NW	SW	10	16N	19E				ABR	AFA		N/A
60683	089 N16 E19 23BDBC1	14398	IRR	BRIAN AND KAREN ELISON TRUST (4.0 AF), CARRASCO, MARSHALL (11.42 AF), GOLDSTEIN, MARK S. AND BETTY A. (2.0 AF), NORTH VALLEY HOLDINGS LLC (2.02 AF), WASHOE COUNTY (2.98 AF)	NW	SE	23	16N	19E	9.12	22.42	22.42	10.37	AFA		M
61059	089 N17 E20 31DDDD1	14926	QM	WASHOE COUNTY	SE	SE	31	17N	20E		2.46		-	AFA	Footnote 39	M
61167	089 N16 E19 23ACBB1	16874	IRR	GIBSON, JAMES R. & MARILYN N.	SW	NE	23	16N	19E	0.56	2.02	2.02	2.75	AFA		M
61169	089 N16 E19 23CDAB1	16446	IRR	PENNINGTON, AL & DELANE	SE	SW	23	16N	19E	0.51	2.02	2.02	2.61	AFA		M
61171	089 N16 E19 23BDAAB1	16370	IRR	CLARK, DAVID L. AND CHARLOTTE K. SHALES-CLARK	SE	NW	23	16N	19E	0.51	2.02	2.02	2.02	AFA		D
61172	089 N16 E19 23BDAAB1	16200	IRR	KABOUR, MICHAEL P & KIRSTEN D	SE	NW	23	16N	19E	0.51	2.02	2.02	2.02	AFA		D
61173	089 N16 E19 14CDAD1	16591	IRR	JOHN ANDREW AND PAMELA MURPHEY TRUST	SW	SE	14	16N	19E	0.83	3.00	3.00	1.52	AFA		M
61215	089 N16 E19 25CCCCA2	15488	STK	THE SMITH TRUST, DATED SEPT. 12, 2011	SW	SW	25	16N	19E		1.57	1.57	2.14	AFA		M
61402	089 N16 E20 17AABC1	15732	IRR	JAMES S.W. GREIL AND LOU GREIL	NE	NE	17	16N	20E	32.57	130.28	130.28	63.94	AFA		M
61501	089 N17 E20 31DDDD2	PER	QM	I45 ESMERALDA LLC	SE	SE	31	17N	20E		2.00	2.00	0.62	AFA		M
61611	089 N16 E19 25ABDD1	16153	REC	NEVADA-PARKS DIVISION	NW	NE	25	16N	19E		0.06	0.06	0.28	AFA		M
61627	089 N16 E19 22DBAC1	PER	MUN	TMWA	NW	SE	22	16N	19E		75.15	155.98	-	AFA	Footnote 33	M
61628	089 N16 E19 22BDBC1	PER	MUN	TMWA	NW	SE	22	16N	19E		24.78		-	AFA	Footnote 33	R
61629	089 N16 E19 22BDBC1	18626	MUN	TMWA	NW	SE	22	16N	19E		10.12		10.12	AFA	Footnote 33	R
61724	089 N16 E19 22BDBC1	18627	MUN	TMWA	NW	SE	22	16N	19E		2.86		2.86	AFA	Footnote 33	R
61786	089 N16 E19 09ADBB1	20089	QM	FRANKTOWN HILLS ASSOCIATION	SE	NE	9	16N	19E		1.00		0.00	AFA	Footnote 37	X
61808	089 N16 E19 09DDDD1	17812	IRR	HEALY, JOHN	SE	SE	9	16N	19E	0.50	2.00	2.00	0.00	AFA		X
61913	089 N17 E20 31CACB1	PER	MUN	KAUFFMANN, DYKE	NE	SW	31	17N	20E		4.14	4.14	0.49	AFA		M
62348	089 N16 E19 22BDBC1	PER	MUN	TMWA	NW	SE	22	16N	19E		131.80		3.58	AFA	Footnote 33	R
62591	089 N16 E19 23BBAB1	16174	IRR	PITTMAN, JIM & VICKI	NW	NW	23	16N	19E	0.50	2.00	2.00	0.44	AFA		M
62700	089 N16 E19 25BABB1	15659	WLD	NEVADA-DEPARTMENT OF TRANSPORTATION	NE	NW	25	16N	19E		28.39	731.16	-	AFA	Footnote 40	D
62701	089 N16 E19 25BABB1	15660	WLD	NEVADA-DEPARTMENT OF TRANSPORTATION	NE	NW	25	16N	19E		700.00		700.00	AFA	Footnote 40	D
62702	089 N16 E19 25BABB1	15661	WLD	NEVADA-DEPARTMENT OF TRANSPORTATION	NE	NW	25	16N	19E		31.16		31.16	AFA	Footnote 40	D

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63357	089 N17 E19 23AACB1	18286	MUN	TMWA				NE	NE	23	17N	19E		1.17	147.28	1.17	AFA	Footnote 35	R
63358	089 N17 E19 23AACB1	18287	MUN	TMWA				NE	NE	23	17N	19E		4.07		4.07	AFA	Footnote 35	R
64023	089 N17 E19 23AACB1	18288	MUN	TMWA				NE	NE	23	17N	19E		5.00		5.00	AFA	Footnote 35	R
64060	089 N17 E19 23DAAA1	15692	STK	WATTS, PATRICK D.				NE	SE	23	17N	19E		2.02	2.02	0.66	AFA		M
64343	089 N17 E19 23AACB1	PER	MUN	MCCLEARY, ELIZABETH ANNE				NE	NE	23	17N	19E		4.48		-	AFA	Footnote 35	R
64962	089 N16 E19 01DDAC1	16258	REC	NEVADA-STATE LANDS DIVISION				SE	SE	1	16N	19E		1.95	1.95	0.32	AFA		M
65482	089 N16 E20 05DCD1	16492	IRR	GARMS, MARGO				SW	SE	5	16N	20E	1.00	4.00	4.00	4.00	AFA		D
65610	089 N17 E20 32CCBB1	PER	COM	DL LAKESHORE, LLC				SW	SW	32	17N	20E		1.94	1.94	0.60	AFA		M
66047	089 N16 E19 03CAAA1	19664	COM	FRANKTOWN MEADOWS INC				NE	SW	3	16N	19E		4.00	5.00	4.26	AFA	Footnote 41	M
66091	089 N16 E19 03CCDD1	PER	QM	GEORGE W. GILLEMOT FAMILY TRUST DATED DECEMBER 14, 1984				SW	SW	3	16N	19E		1.28	1.28	1.28	AFA		D
66232	089 N17 E19 26CCAC1	PER	REC	BLM				SW	SW	26	17N	19E		47.61	101.37	N/A	AFA	Footnote 42	Z
66233	089 N17 E19 35CCAC1	PER	REC	BLM				SW	SW	35	17N	19E		47.61		N/A	AFA	Footnote 42	Z
66606	089 N16 E19 22BDDA1	19082	REC	DUNCAN GOLF AT TOIYABLE, LLC				NW	SE	22	16N	19E		591.33	717.75	94.10	AFA	Footnote 43	M
66607	089 N16 E19 22DADC1	18192	REC	DUNCAN GOLF AT TOIYABLE, LLC				NE	SE	22	16N	19E		414.24		-	AFA	Footnote 43	M
66608	089 N16 E19 23BBCC1	18193	REC	DUNCAN GOLF AT TOIYABLE, LLC				NW	NW	23	16N	19E		404.19		55.08	AFA	Footnote 43	M
66609	089 N16 E19 22BDDA1	18669	REC	DUNCAN GOLF AT TOIYABLE, LLC				NW	SE	22	16N	19E		133.30		-	AFA	Footnote 43	M
66610	089 N16 E19 23BACD1	19199	REC	DUNCAN GOLF AT TOIYABLE, LLC				NE	NW	23	16N	19E		328.50		47.77	AFA	Footnote 43	M
66807	089 N16 E19 10ABBC1	17984	STK	GEORGE W. GILLEMOT FAMILY TRUST 1984				NW	NE	10	16N	19E		9.92	9.92	9.92	AFA		D
66928	089 N16 E19 10BBAD1	17034	IRR	CAVIN, PAUL AND HEATHER				NW	NW	10	16N	19E	1.25	5.00	5.00	7.16	AFA		M
67005	089 N16 E19 23CDA1	17853	IRR	NEVIS, SAM				SE	SW	23	16N	19E	1.52	5.59	6.06	5.59	AFA	Footnote 20	D
67006	089 N16 E19 23CDA1	17854	IRR	NEVIS, SAM				SE	SW	23	16N	19E	1.52	5.52		0.47	AFA	Footnote 20	D
67734	089 N17 E20 31CCAB1	17785	COM	WASHOE COUNTY				SW	SW	31	17N	20E		0.56	0.56	0.77	AFA		M
67908	089 N16 E20 05DCD1	16878	IRR	FAZZARI, MICHAEL F TRUST, KATHLEEN HERZING TRUST				SW	SE	5	16N	20E	0.52	2.00	2.00	1.20	AFA		M
68101	089 N17 E19 26CBDA1	PER	IRR	BLM				NW	SW	26	17N	19E	15.25	61.00	61.00	N/A	AFA	Footnote 2	Z
68102	089 N17 E19 26BACA1	PER	IRR	BLM				NE	NW	26	17N	19E	2.39	9.54	114.05	N/A	AFA	Footnote 2	Z
68103	089 N17 E19 26BACA1	PER	IRR	BLM				NE	NW	26	17N	19E	3.39	13.57		N/A	AFA	Footnote 2	Z
68111	089 N16 E19 03BAAC1	PER	IRR	BLM				NE	NW	3	16N	19E	125.63	502.52	564.60	N/A	AFA	Footnote 2	Z
68112	089 N16 E19 03BAAC1	PER	IRR	BLM				NE	NW	3	16N	19E	10.39	41.54		N/A	AFA	Footnote 2	Z
68113	089 N17 E19 34AAAA1	PER	IRR	BLM				NE	NE	34	17N	19E	68.59	274.35		N/A	AFA	Footnote 2	Z

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68114	089 N17 E19 35BCDB1	PER	IRR	BLM				SW	SW	35	17N	19E	65.80	263.19		N/A	AFA	Footnote 2	Z
68115	089 N17 E19 35BCDB1	PER	IRR	BLM				SW	NW	35	17N	19E	29.09	116.37		N/A	AFA	Footnote 2	Z
68116	089 N17 E19 34AAAA1	PER	IRR	BLM				NE	NE	34	17N	19E	33.92	135.68		N/A	AFA	Footnote 2	Z
68117	089 N17 E19 26BDCC1	PER	IRR	BLM				SE	NW	26	17N	19E	1.39	5.54		N/A	AFA	Footnote 2	Z
68118	089 N17 E19 26BDCC1	PER	IRR	BLM				SE	NW	26	17N	19E	13.75	54.90		N/A	AFA	Footnote 2	Z
68119	089 N17 E19 26BACA1	PER	IRR	BLM				NE	NW	26	17N	19E	4.89	19.56		N/A	AFA	Footnote 2	Z
68120	089 N17 E19 26BACA1	PER	IRR	BLM				NE	NW	26	17N	19E	27.25	108.98		N/A	AFA	Footnote 2	Z
68186	089 N16 E19 23CDBB1	16700	IRR	EISENHAEUER, DAVID AND HEIDI				SE	SW	23	16N	19E	1.00	3.64	4.00	2.95	AFA	Footnote 21	M
68187	089 N16 E19 23CDBB1	16701	IRR	EISENHAEUER, DAVID AND HEIDI				SE	SW	23	16N	19E	1.00	3.69		-	AFA	Footnote 21	M
68213	089 N16 E19 03DBBB1	19665	COM	FRANKTOWN MEADOWS, INC.				NW	SE	3	16N	19E		1.00		1.00	AFA	Footnote 41	D
68482	089 N16 E19 23DBAB1	18196	IRR	GILMAN, L. LANCE				NW	SE	23	16N	19E	0.24	0.90	0.98	0.90	AFA	Footnote 22	M
68483	089 N16 E19 23DBAB1	18197	IRR	GILMAN, L. LANCE				NW	SE	23	16N	19E	0.24	0.89		0.34	AFA	Footnote 22	M
68706	089 N16 E19 03CDBCI	PER	IRR	GILLEMOT FAMILY TRUST,12/14/1984				SE	SW	3	16N	19E	323.21	0.00		37.33	AFA	Footnote 1	E
68872	089 N16 E19 15ABAA1	17331	IRR	BASSETT, JACK L. & JUDY A.				NW	NE	15	16N	19E	0.56	2.02	2.02	2.83	AFA	Footnote 7	N
68979	089 N16 E20 05CACA1	17836	IRR	DAY, RICHARD W. & MARY E.				NE	SW	5	16N	20E	0.26	1.00	1.00	1.92	AFA		M
69433	089 N17 E19 26CCAC1	PER	REC	BLM				SW	SW	26	17N	19E		6.14		N/A	AFA	Footnote 42	Z
69570	089 N17 E19 26CCAC1	PER	REC	BLM				SW	SW	26	17N	19E		47.61		N/A	AFA	Footnote 42	Z
69702	089 N17 E19 23ABAB1	PER	MUN	SKAGGS FAMILY TRUST				NW	NE	23	17N	19E		29.28	465.84	N/A	AFA	Footnote 44	Z
69703	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		73.09		N/A	AFA	Footnote 44	Z
69705	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		10.27		N/A	AFA	Footnote 44	Z
69706	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		67.81		N/A	AFA	Footnote 44	Z
69707	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		179.24		N/A	AFA	Footnote 44	Z
69731	089 N17 E19 35CCAC1	PER	REC	BLM				SW	SW	35	17N	19E		47.61		N/A	AFA	Footnote 42	Z
69752	089 N16 E20 05CCB1	17838	IRR	RICHARD C. & VICKI RINEHART L. TRUST				SW	SE	5	16N	20E	1.04	4.00	4.00	1.70	AFA		M
69894	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		8.01		N/A	AFA	Footnote 44	Z
69895	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		9.46		N/A	AFA	Footnote 44	Z
69896	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		23.06		N/A	AFA	Footnote 44	Z
69897	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		20.27		N/A	AFA	Footnote 44	Z
69898	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		3.92		N/A	AFA	Footnote 44	Z

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WATER YEAR 2022 GROUNDWATER PUMPAGE BY APPLICATION NUMBER

APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD				QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
69899	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		38.84		N/A	AFA	Footnote 44	Z
69900	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		13.80		N/A	AFA	Footnote 44	Z
69901	089 N17 E19 23ABAB1	PER	MUN	TMWA				NW	NE	23	17N	19E		76.47		N/A	AFA	Footnote 44	Z
70033	089 N16 E19 10DADD1	18233	IRR	DALBOL, ROBERT & AMY M.				NE	SE	10	16N	19E	2.40	5.55	9.61	5.55	AFA	Footnote 4	M
70034	089 N16 E19 10DADD1	18234	IRR	DALBOL, ROBERT & AMY M.				NE	SE	10	16N	19E	2.40	1.06		1.06	AFA	Footnote 4	M
70114	089 N16 E19 22DBDC1	18628	MUN	TMWA				NW	SE	22	16N	19E		3.00		3.00	AFA	Footnote 33	R
70298	089 N16 E19 11CCBB1	PER	IRR	GRASHUIS, DAVID M. & KATHRYN L.				SW	SW	11	16N	19E	1.65	5.55	6.61	5.55	AFA	Footnote 5	M
70299	089 N16 E19 11CCBB1	PER	IRR	GRASHUIS, DAVID M. & KATHRYN L.				SW	SW	11	16N	19E	1.65	1.06		0.80	AFA	Footnote 5	M
70382	089 N16 E19 10DADD1	18235	IRR	DALBOL, ROBERT & AMY M.				NE	SE	10	16N	19E	2.40	3.00		1.67	AFA	Footnote 4	M
70431	089 N16 E19 10ABCB1	PER	IRR	UNIVERSITY OF NEVADA, RENO FOUNDATION				NW	NE	10	16N	19E	60.00	51.55	60.00	15.72	AFA	Footnotes 1, 49	E
70432	089 N16 E19 10ABCB1	PER	IRR	UNIVERSITY OF NEVADA, RENO FOUNDATION				NW	NE	10	16N	19E	60.00	33.47		15.72	AFA	Footnotes 1, 49	E
70865	089 N16 E19 22DBDC1	PER	MUN	PERENNIAL PLACES, LLC				NW	SE	22	16N	19E		3.03		-	AFA	Footnote 33	R
70866	089 N16 E19 22DBAC1	WDR	MUN	LAKE AND MOUNTAIN VIEWS, LLC				NW	SE	22	16N	19E				WDR	AFA	Footnote 33	N/A
70928	089 N16 E20 05CACC1	17714	IRR	CLARK, MICHAEL E.				NE	SW	5	16N	20E	1.30	5.00	5.00	5.00	AFA		M
71544	089 N17 E20 31DADD1	17862	COM	KREUTZIANS, JOHN AND MARY MARGARET SINGER				NE	SE	31	17N	20E		1.94	1.94	1.19	AFA		M
71863	089 N16 E19 09AAAB1	PER	IRR	CHACON, SAMUEL				NE	NE	9	16N	19E	0.54	2.16	2.16	0.95	AFA		M
72058	089 N16 E19 03CBA1	PER	IRR	GILLEMOT FAMILY TRUST, 12/14/1984				NW	SW	3	16N	19E		0.00		32.43	AFA	Footnote 1	M
72182	089 N16 E19 03CCBC1	18844	IRR	WARREN, JOHN A. & ROSEMARIE				SW	SW	3	16N	19E	0.55	2.21	8.21	6.88	AFA	Footnote 45	M
72750	089 N16 E19 23DDCC1	18455	QM	CHENEY, GLEN A. & JACKIE L.				SE	SE	23	16N	19E		2.02	2.02	2.02	AFA		D
73114	089 N16 E19 22CCCA1	18718	QM	GARRETT, V. DIAN				SW	SW	22	16N	19E		2.02	2.02	2.02	AFA		D
73123	089 N17 E19 23AACB1	PER	MUN	TMWA				NE	NE	23	17N	19E		4.82		-	AFA	Footnote 35	R
73153	089 N16 E19 23BDBC2	18846	IRR	LUKOV, MONTE J. AND CARLA D.				SE	NW	23	16N	19E	0.51	2.02	2.02	4.86	AFA		M
73191	089 N16 E19 22DDAD1	18878	IRR	THE 1989 LEE FAMILY TRUST				SE	SE	22	16N	19E	1.76	6.39	7.02	2.47	AFA	Footnote 17	M
73192	089 N16 E19 22DDAD1	18879	IRR	THE 1989 LEE FAMILY TRUST				SE	SE	22	16N	19E	1.76	6.48		-	AFA	Footnote 17	M
73240	089 N16 E19 03CCBC1	18845	IRR	WARREN, JOHN A. & ROSEMARIE				SW	SW	3	16N	19E	1.50	6.00		-	AFA	Footnote 45	M
73907	089 N17 E19 23AACB1	PER	MUN	TMWA				NE	NE	23	17N	19E		1.12		-	AFA	Footnote 35	R
74172	089 N16 E20 08ADAB1	19013	IRR	JOHN V. HANSON TRUST, 5/29/2003				SE	NE	8	16N	20E	1.00	4.00	4.00	3.87	AFA		M
74858	089 N17 E19 23AACB1	PER	MUN	THE TRUST AGREEMENT OF NORINE M. GALAGHER, DATED 5/30/06				NE	NE	23	17N	19E		25.36		-	AFA	Footnote 35	R
75136	089 N17 E19 34DDC1	PER	IRR	GTS, LLC				SE	NE	34	17N	19E	7.68	27.34	30.72	0.31	AFA	Footnote 31	M

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APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD				QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
75138	089 N17 E19 34ADDC1	PER	IRR	GTS, LLC				SE	NE	34	17N	19E	7.68	14.93		-	AFA	Footnote 31	M
75139	089 N17 E19 34ADDC1	PER	IRR	GTS, LLC				SE	NE	34	17N	19E	7.68	14.32		-	AFA	Footnote 31	M
75665	089 N16 E19 23BDBC1	19200	IRR	BURNS, KATHLEEN A. NELSON				SE	NW	23	16N	19E	0.51	2.02	2.02	5.81	AFA		M
76057	089 N16 E20 05BCBA1	19193	COM	TWISTED SISTERS, LLC				SW	NW	5	16N	20E		0.46	0.46	0.46	AFA		M
76548	089 N16 E19 22BBAD1	PER	MUN	TMWA				NW	NW	22	16N	19E		50.00		40.18	AFA	Footnote 33, 34	R
76549	089 N16 E19 22BBAD1	PER	MUN	TMWA				NW	NW	22	16N	19E		50.00		40.18	AFA	Footnote 33, 34	R
76604	089 N16 E20 17DDCA1	18120	IRR	TARAS TRUST UNDER AGREEMENT DATED 2/19/14				SE	SE	17	16N	20E	0.75	3.00	3.00	1.00	AFA		E
76771	089 N17 E19 23AACB1	PER	MUN	LORIN JOHNSON TRUST				NE	NE	23	17N	19E		3.04		-	AFA	Footnote 35	R
77100	089 N16 E19 15DADC1	18666	IRR	JENKS, LINDA AND JAMES				NE	SE	15	16N	19E	0.75	3.00	3.00	0.09	AFA	Footnote 7	M
77354	089 N17 E19 23AACB1	PER	QM	UNIVERSITY OF NEVADA, RENO FOUNDATION				NE	NE	23	17N	19E		26.26		-	AFA	Footnote 35	R
77355	089 N17 E19 23AACB1	PER	QM	UNIVERSITY OF NEVADA, RENO FOUNDATION				NE	NE	23	17N	19E		12.07		-	AFA	Footnote 35	R
77356	089 N17 E19 23AACB1	PER	QM	UNIVERSITY OF NEVADA, RENO FOUNDATION				NE	NE	23	17N	19E		22.74		-	AFA	Footnote 35	R
77540	089 N15 E19 06DBAC1	19885	REC	NEVADA-PARKS DIVISION				NW	SE	6	15N	19E		0.10	0.10	0.10	AFA		D
77563	089 N16 E20 08DDCB1	PER	IRR	PLATT, BRAD A. AND CHRIS S.				SE	SE	8	16N	20E	0.50	2.00	2.00	1.58	AFA	Footnote 27	M
77786	089 N16 E19 27DDCA1	PER	IRR	SCAP 7, LLC				SE	SE	27	16N	19E	3.50	12.95	13.94	0.00	AFA	Footnote 24	X
77787	089 N16 E19 27DDCA1	PER	IRR	SCAP 7, LLC				SE	SE	27	16N	19E	3.50	12.74		0.00	AFA	Footnote 24	X
78661	089 N17 E19 15DAC1	19943	QM	GOURLEY FAMILY LIVING TRUST DATED 7/29/1998				NE	SE	15	17N	19E		1.96	1.96	1.18	AFA		M
79077	089 N17 E19 23DCAC1	PER	IRR	CLIFF, KENNETH W AND VICTORIA L				SW	SE	23	17N	19E	0.26	1.02	1.02	1.33	AFA		M
80016	089 N17 E19 30BADA1	19920	REC	U.S.-FOREST SERVICE				NE	NW	30	17N	19E		0.50	0.50	0.50	AFA		D
80109	089 N17 E20 32CCBD2	19205	COM	MURPHY, HENRY F AND BONNIE				SW	SW	32	17N	20E		3.67	3.67	3.67	AFA		D
80256	089 N16 E19 23BDBC1	19201	IRR	BURNS, TIMOTHY M ; NELSON-BURNS, KATHLEEN A				SE	NW	23	16N	19E	1.01	4.04	4.04	7.83	AFA		M
81075	089 N16 E20 06CBBA1	19704	COM	RICHARD, MATTHEW J.				NW	SW	6	16N	20E		1.00	1.00	2.39	AFA		M
81715	089 N17 E19 23ACBC1	PER	MUN	TMWA				SW	NE	23	17N	19E		57.14	57.14	0.00	AFA		R
82879	089 N16 E19 22DCBA1	PER	IRR	JOHN R. AND ELIZABETH A. SEIBOLD TRUST				NW	SW	11	16N	19E	0.75	3.00	3.00	2.39	AFA		M
82897	089 N16 E19 22BDBD1	PER	IRR	ROSEHAVEN PROPERTIES, LLC				NE	SW	11	16N	19E	3.98	15.92	15.92	6.00	AFA	Footnote 18	R
82898	089 N16 E19 22BDBD1	PER	IRR	ROSEHAVEN PROPERTIES, LLC				NW	NW	14	16N	19E	4.64	18.56	18.56	6.00	AFA	Footnote 18	R
82899	089 N16 E19 22BDBD1	PER	QM	ROSEHAVEN PROPERTIES, LLC				SE	NW	22	16N	19E		12.00	12.00	0.01	AFA		R
83161	089 N16 E19 11CDCC1	PER	IRR	JJ DOOLEY FAMILY TRUST				SE	SW	11	16N	19E	1.52	6.06	6.06	N/A	AFA		Z
83442	089 N16 E19 10ACCB1	PER	MUN	WASHOE COUNTY				SW	NE	10	16N	19E		20.00	20.00	13.14	AFA		R

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APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD				QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
84731	089 N16 E19 10BBD1	PER	IRR	UNIVERSITY OF NEVADA, RENO FOUNDATION				NW	NW	10	16N	19E	1.48	5.92		0.16	AFA	Footnotes 1, 49	M
84732	089 N16 E19 10BBD1	PER	IRR	UNIVERSITY OF NEVADA, RENO FOUNDATION				NW	NW	10	16N	19E	0.42	1.68		-	AFA	Footnotes 1, 49	M
85247	089 N16 E19 23BDCB1	PER	IRR	GUZMAN, JOSE E. AND KOHOUTEK, PEGGY IO				SE	NW	23	16N	19E	0.26	1.04	1.04	1.04	AFA		D
85351	089 N16 E19 14CAAC1	PER	IRR	BRAUN, DUSTIN J. AND CHRISTIE MICHAEL CASEY				NE	SW	14	16N	19E	1.00	4.00	4.00	N/A	AFA		Z
85384	089 N17 E19 15DAC1	PER	QM	GOURLEY FAMILY LIVING TRUST DATED 7/29/1998				NE	SE	15	17N	19E		0.23	0.23	-	AFA		M
85883	089 N17 E20 31BCBB1	PER	IRR	WILCOX, GARY H. & DONEL D.				SW	NW	31	17N	20E	0.25	1.00	1.00	N/A	AFA		Z
85890	089 N17 E19 23ACBC1	PER	MUN	REEVES BUSINESS VENTURES				SW	NE	23	17N	19E		0.83	0.83	0.00	AFA		R
85891	089 N17 E19 23ACBC1	PER	MUN	REEVES, BRUCE D.				SW	NE	23	17N	19E		3.00	3.00	0.00	AFA		R
85892	089 N17 E19 23ACBC1	PER	MUN	REEVES BUSINESS VENTURES				SW	NE	23	17N	19E		2.52	2.52	0.00	AFA		R
85905	089 N17 E19 23DCCC1	CAN	IRR	5 SEAT INVESTMENTS, LLC				SW	SE	23	17N	19E				CAN	AFA		N/A
85906	089 N17 E19 23DCCC1	CAN	IRR	5 SEAT INVESTMENTS, LLC				SW	SE	23	17N	19E				CAN	AFA		N/A
85907	089 N17 E19 23DCCC1	PER	IRR	SIERRA MINING & STONE LLC				SW	SE	23	17N	19E	0.47	1.89	1.89	0.09	AFA		M
86465	089 N16 E19 22BDCD1	ABR	STK	ROSEHAVEN PROPERTIES, LLC				SE	NW	22	16N	19E				ABR	AFA		N/A
86604	089 N16 E19 23BDDC1	PER	IRR	CARRASCO, MARSHALL				NW	SE	23	16N	19E	2.01	8.04	8.04	-	AFA		M
87409	089 N17 E20 32ACAA1	PER	IRR	LEIDER, LARRY				SW	NE	32	17N	20E	0.51	2.02	2.02	1.89	AFA		M
88054	089 N16 E19 23BDCB1	PER	IRR	GUZMAN, JOSE E. AND KOHOUTEK, PEGGY IO				SE	NW	23	16N	19E	1.00	4.00	4.00	4.00	AFA		D
88229	089 N17 E19 23ACBC1	PER	MUN	MADOLE CONSTRUCTION CO., INC. (2.46 AF), TMWA (0.54)				SW	NE	23	16N	19E		3.00	3.00	0.00	AFA		R
88276	089 N17 E19 23ACBC1	PER	MUN	TMWA				SW	NE	23	16N	19E		0.19	0.19	0.00	AFA		R
88450	089 N16 E19 26DCCC1	PER	QM	MCCLEARY, ELIZABETH ANNE				SW	SE	26	16N	19E		13.24	13.24	2.47	AFA		M
88589	089 N16 E19 23DBCA1	PER	IRR	COYLE 1990 FAMILY TRUST				NW	SE	23	16N	19E	1.62	6.48	6.48	5.63	AFA		M
88706	089 N16 E19 10BBB1	PER	IRR	PITTS, RANDY AND CINDY				NW	NW	10	16N	19E	0.25	1.00	1.00	1.00	AFA		M
89031	089 N16 E19 35ACDD2	PER	REC	HUTTER, CHARLES G. AND COLLIE L.				SW	NE	35	16N	19E		0.62	0.62	0.65	AFA		M
89081	089 N16 E19 26ABAD1	PER	IRR	SMITH TRUST				NW	NE	26	16N	19E	2.00	8.00	8.00	N/A	AFA		Z
89469	089 N16 E20 05BCBA1	PER	COM	TWISTED SISTERS, LLC				SW	NW	5	16N	20E		0.50	0.50	0.71	AFA		M
89601	089 N17 E20 31CACB1	PER	REC	WASHOE COUNTY				NE	SW	31	17N	20E		5.83	5.83	0.49	AFA	Footnote 47	M
89784	089 N17 E19 23ACBC1	PER	MUN	TMWA				SW	NE	23	17N	19E		0.32	0.32	0.00	AFA		R
89786	089 N17 E19 23ACBC1	PER	MUN	TMWA				SW	NE	23	17N	19E		0.30	0.30	0.00	AFA	Footnote 50	R
89787	089 N17 E19 23ACBC1	PER	MUN	TMWA				SW	NE	23	17N	19E		0.30		0.00	AFA	Footnote 50	R
90138	089 N16 E19 23CDBD1	PER	IRR	KUHLE, DONALD D. AND SHARON E. TRUST				SE	SW	23	16N	19E	1.52	6.06	6.06	N/A	AFA		Z

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APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD	QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
90241	089 N17 E19 23ACBC1	PER	MUN	TMWA	SW	NE	23	17N	19E		0.50	0.50	0.00	AFA		R
90808	089 N16 E19 09DDAC1	PER	IRR	EARL AND TANYA WILLEY	SE	SE	9	16N	19E	0.40	2.00	2.00	N/A	AFA		Z
91165	089 N17 E19 24BCAB1	PER	COM	WILLEY LAND, LLC	SW	NW	24	17N	19E		2.02	2.02	N/A	AFA		Z
91270	089 N16 E19 22CABA1	PER	REC	MAYES, JOHN C.	NE	SW	22	16N	19E		2.00	2.00	-	AFA		M
91668	089 N17 E19 23ACBC1	PER	MUN	TMWA	SW	NE	23	17N	19E		0.50	0.50	N/A	AFA		Z
91893	089 N16 E19 22BDCA1	PER	STK	ROSEHAVEN PROPERTIES, LLC	SE	NW	22	16N	19E		2.80		2.80	AFA	Footnote 46	D
76771A01	089 N17 E19 23AACB1	21542	MUN	TMWA	NE	NE	23	17N	19E		0.90		-	AFA	Footnote 35	R
85890A01	089 N17 E19 23ACBC1	PER	MUN	TMWA	SW	NE	23	17N	19E		1.73	1.73	0.00	AFA		R
V04542	089 N16 E19 11CBBB1	VST	IRR	DORR, KENNETH L. & SHARON W.	NW	SW	11	16N	19E	4.76	16.93	16.93	0.00	AFA	Footnote 6	X
V04543	089 N16 E19 11CAAA1	VST	IRR	DORR, KENNETH L. & SHARON W.	NE	SW	11	16N	19E	25.00	88.88	88.88	0.00	AFA	Footnote 6	E
V05764	089 N17 E19 35CCAC2	VST	STK	WASHOE RANCH PROPERTIES	NW	SW	35	17N	19E		44.93	44.93	0.00	AFA		E
V10447	089 N16 E19 14BB	VST	IRR	J J DOOLEY FAMILY TRUST	NW	NW	14	16N	19E	5.00	0.00	0.00	0.00	AFA		E
V11292	089 N16 E19 22BDCC1	VST	STK	ROSEHAVEN PROPERTIES, LLC	SE	NW	22	16N	19E		2.80	2.80	0.00	AFA	Footnote 46	E
V11296	089 N16 E19 22BDCC1	VST	DOM	ROSEHAVEN PROPERTIES, LLC	SE	NW	22	16N	19E		0.00	0.00	0.00	AFA		X
V11297	089 N16 E19 22BDBD1	VST	DOM	ROSEHAVEN PROPERTIES, LLC	SE	NW	22	16N	19E		0.00	0.00	0.00	AFA		X
V11298	089 N16 E19 22BDCC1	VST	IRR	ROSEHAVEN PROPERTIES, LLC	SE	NW	22	16N	19E		0.00	0.00	0.00	AFA		X
V11299	089 N16 E19 22BDBD1	VST	IRR	ROSEHAVEN PROPERTIES, LLC	SE	NW	22	16N	19E		0.00	0.00	0.00	AFA		X
V11300	089 N16 E19 22BDBD1	VST	STK	ROSEHAVEN PROPERTIES, LLC	SE	NW	22	16N	19E		0.00		0.00	AFA	Footnote 46	X

Footnotes:

- 1 Permits 18308, 68706, 70431, 70432, 72058, 84731, and 84732, and surface water Vested Right V02749, are supplemental for irrigation within the same place of use.
- 2 Permits 68101, 68102, 68103, 68111, 68112, 68113, 68114, 68115, 68116, 68117, 68118, 68119, and 68120 are supplemental to surface water Vested Rights V02441 and V02754, with a portion being standalone in the SW1/4 of Section 24, T.17N., R.19E., M.D.B.&M.
- 3 Permit 9268 is supplemental to surface water Vested Rights V03109 and V03110.
- 4 Permits 70033, 70034, and 70382 are limited to the irrigation of 2.4 acres within the permitted place of use.
- 5 Permits 70298 and 70299 are limited to the irrigation of 1.654 acres within the permitted place of use.
- 6 Vested Rights V04542 and V04543 have the same places of use, but have differing irrigable acres.
- 7 Permits 20840, 58726, 60123, 68872, and 77100 are supplemental to surface water Permit 11624, but have differing places of use for the underground.
- 8 Permit 27569 is supplemental to surface water Vested Right V02771.
- 9 Permits 20648, 23287, and 30581 are supplemental to surface water Permits 18198, 50071 and 50072.
- 10 Permits 58723 and 58725 are supplemental to surface water Permits 58722 and 58960.
- 11 Permits 58724 and 58735 are supplemental to surface water Permit 58734.
- 12 Permits 58732 and 58733 are supplemental to surface water Permit 58962.
- 13 Permits 59015, 59016, and 59017 are supplemental to surface water Permits 59014 and 59018 and limited to the irrigation of 1.25 acres within the permitted place of use.
- 14 Permits 59021, 59022, 59023, and 59024 are supplemental and limited to the irrigation of 5 acres within the permitted place of use.
- 15 Permits 59030, 59031, and 59032 are supplemental to surface water Permits 59033 and 59034 and limited to the irrigation of 1.25 acres within the permitted place of use.

089 WASHOE VALLEY

WATER YEAR 2022 GROUNDWATER PUMPAGE BY APPLICATION NUMBER

APP NO.	SITE NAME	STATUS	MOU	OWNER OF RECORD	QQ	QTR	SEC	T	R	PER. ACRES	DUTY (AF)	SUPP ADJ	DUTY USED	UNITS	TCD GROUP	METHOD
16	Permits 59035, 59036, and 59037 are supplemental to surface water Permits 59038 and 59039 and limited to the irrigation of 2.50 acres within the permitted place of use.															
17	Permits 73191 and 73192 are supplemental and limited to the irrigation of 1.76 acres within the permitted place of use.															
18	Permits 82897 and 82898 are supplemental and limited to the irrigation of 3.98 acres within the permitted place of use.															
19	Permits 46809 and 46810 are supplemental.															
20	Permits 67005 and 67006 are supplemental and limited to the irrigation of 1.515 acres within the permitted place of use.															
21	Permits 68186 and 68187 are supplemental and limited to the irrigation of 1.00 acre within the permitted place of use.															
22	Permits 68482 and 68483 are supplemental additive.															
23	No longer applicable.															
24	Permit 77786 and 77787 are supplemental and limited to the irrigation of 3.50 acres within the permitted place of use.															
25	Permit 26386 and 26387 are supplemental and limited to the irrigation of 0.85 acres within the permitted place of use.															
26	No longer applicable.															
27	Permits 57914 and 77563 are supplemental and for irrigation within the same permitted place of use.															
28	Permits 27891, 29119, and 48824 are supplemental to surface water right Vested Right V02744.															
29	Permits 52002 and 52003 are supplemental and limited to the irrigation of 94.17 acres within the permitted place of use.															
30	Permits 51088 and 52618 are supplemental to surface water right Vested Right V02815.															
31	Permits 75136, 75138, and 75139 are supplemental to surface water Vested Right V02746															
32	Permits 24003, 24004, and 30225 are supplemental and for irrigation within the same permitted place of use.															
33	Permits 61627, 61628, 61629, 61724, 62348, 70114, 70865, 70866, 76548, and 76549 are supplemental for a total of 155.98 acre-feet annually.															
34	Permits 76548 and 76549 are limited to a total of 100 acre-feet annually.															
35	Permits 58615, 59703, 63357, 63358, 64023, 64343, 73123, 73907, 74858, 76771, 76771A01, 77354, 77355, and 77356 are supplemental for a total of 147.387 acre-feet annually.															
36	Permits 29998 and 29999 are supplemental and limited to 8.41 acre-feet annually.															
37	Permits 35268 and 61786 are supplemental and limited to 4.14 acre-feet annually.															
38	Permits 17420 and 38768 are supplemental and limited to 153.60 acre-feet annually.															
39	Permits 49896, 49897, and 61059 are supplemental and limited to 7.00 acre-feet annually.															
40	Permits 62700, 62701, and 62702 are supplemental additive and are limited to 731.16 acre-feet annually.															
41	Permits 66047 and 68213 are limited to 5 acre-feet annually.															
42	Permits 66232, 66233, 69433, 69570, and 69731 are supplemental for a total of 101.37 acre-feet annually.															
43	Permits 66606, 66607, 66608, 66609, and 66610 are supplemental additive for a total of 717.75 acre-feet annually.															
44	Permits 69702, 69703, 69705, 69706, 69707, 69894, 69895, 69896, 69897, 69898, 69899, 69900, and 69901 are supplemental additive for 465.84 acre-feet annually.															
45	Permits 72182 and 73240 are additive for a total of 8.21 acre-feet annually.															
46	Vested Rights V11292, V11300, and Permit 91893 are supplemental for a total of 2.80 acre-feet annually.															
47	Permit 89601 was previously Permit 50516. An application was filed to change the place of use only to encompass all of park using the same well. Historical data will show under this new number.															
48	Permits 11510 and 38493 are supplemental for a total of 12.00 acre-feet annually.															
49	Permits 70431, 70432, 84731, and 84732 are limited to a total of 60 acre-feet annually.															
50	Permits 89786 and 89787 are limited to a total duty of 0.30 acre-feet annually.															

**APPENDIX B. WASHOE VALLEY HISTORICAL PUMPAGE BY POINT OF
DIVERSION**

SITE NAME	APP NO.	MOU	OWNER OF RECORD	DUTY (AF) 2022	DUTY USED 2018	DUTY USED 2019	DUTY USED 2020	DUTY USED 2021	DUTY USED 2022
089 N15 E19 06DBAC1	77540	REC	NEVADA-PARKS DIVISION	0.10	0.10	0.10	0.10	0.10	0.10
089 N16 E19 01ACBD1	21282, 21283	WLD, STK	NEVADA-STATE LANDS DIVISION	103.74	0.00	0.00	10.70	10.38	10.04
089 N16 E19 01DDAC1	64962	REC	NEVADA-STATE LANDS DIVISION	1.95	0.64	0.27	0.41	0.15	0.32
089 N16 E19 03BAAC1	68111, 68112	IRR	BLM	544.06	N/A	N/A	N/A	N/A	N/A
089 N16 E19 03BABA1	40528	REC	WASHOE COUNTY	20.38	9.48	9.61	15.47	19.75	13.12
089 N16 E19 03BBDA1	33672	REC	WASHOE COUNTY	61.26	3.32	3.79	2.00	1.70	0.44
089 N16 E19 03CAAA1	58389, 66047	STK, COM	FRANKTOWN MEADOWS, INC.; FRANKTOWN MEADOWS INC	6.24	4.35	6.17	5.65	7.05	6.50
089 N16 E19 03CBAA1	72058	IRR	GILLEMOT FAMILY TRUST, 12/14/1984	0.00	257.81	0.93	19.38	10.18	32.43
089 N16 E19 03CCBC1	72182, 73240	IRR	WARREN, JOHN A. & ROSEMARIE	8.21	9.02	4.71	7.79	7.03	6.88
089 N16 E19 03CCDD1	66091	QM	GEORGE W. GILLEMOT FAMILY TRUST DATED DECEMBER 14, 1984	1.28	2.54	3.27	2.71	2.72	1.28
089 N16 E19 03CDBC1	68706	IRR	GILLEMOT FAMILY TRUST, 12/14/1984	0.00	27.27	28.42	38.85	44.71	37.33
089 N16 E19 03CDBD1	18308	IRR	R.F.I. RAYMOND; GEORGE W. GILLEMOT FAMILY TRUST	616.41	556.78	139.20	217.14	367.47	264.31
089 N16 E19 03DBBB1	68213	COM	FRANKTOWN MEADOWS, INC.	1.00	1.31	1.00	1.00	1.00	1.00
089 N16 E19 09AAAB1	71863	IRR	CHACON, SAMUEL	2.16	6.01	7.18	0.90	0.81	0.95
089 N16 E19 09ADBB1	35268, 61786	QM	FRANKTOWN HILLS ASSOCIATION	4.13	1.88	0.63	1.88	1.88	1.88
089 N16 E19 09DDAC1	90808	IRR	EARL AND TANYA WILLEY	2.00	N/A	N/A	N/A	N/A	N/A
089 N16 E19 09DDDD1	61808	IRR	HEALY, JOHN	2.00	0.00	0.00	0.00	0.00	0.00
089 N16 E19 10ABBC1	66807	STK	GEORGE W. GILLEMOT FAMILY TRUST 1984	9.92	9.92	9.92	9.92	9.92	9.92
089 N16 E19 10ABCB1	70431, 70432	IRR	UNIVERSITY OF NEVADA, RENO FOUNDATION	85.02	52.40	43.11	52.40	34.58	31.44
089 N16 E19 10ACCB1	83442	MUN	WASHOE COUNTY	20.00	N/A	1.59	3.56	16.77	13.14
089 N16 E19 10BBAD1	66928	IRR	CAVIN, PAUL AND HEATHER	5.00	3.10	0.70	5.40	2.51	7.16
089 N16 E19 10BBBA1	88706	IRR	PITTS, RANDY AND CINDY	1.00	N/A	1.00	1.00	1.00	1.00
089 N16 E19 10BBDA1	84731, 84732	IRR	UNIVERSITY OF NEVADA, RENO FOUNDATION	7.60	7.60	9.21	10.94	8.84	0.16
089 N16 E19 10CBBB1	60342	IRR	SEGO FAMILY TRUST	N/A	1.78	2.01	1.57	0.56	ABR
089 N16 E19 10CBCC1	9268	IRR	LICHENS, FRED & BARBARA (7.48 AF); PRIMM FAMILY TRUST (323.78 AF); SIERRA PACKAGING & CONVERTING (46.17 AF); YARHL, ROBERT (78.57 AF)	456.00	228.00	114.00	269.04	300.96	273.60
089 N16 E19 10CCCD1	58729	IRR	CAROLINE J. HOOTON REV TRUST DATED 5/4/98	5.00	5.55	2.00	2.14	1.00	1.57
089 N16 E19 10DADD1	70033, 70034, 70382	IRR	DALBOL, ROBERT & AMY M.	9.61	9.04	9.34	12.02	12.40	8.28
089 N16 E19 11BCCC1	26469	IRR	RUSK FAMILY TRUST	4.04	40.00	4.04	4.04	4.04	4.04
089 N16 E19 11CAAA1	V04543	IRR	DORR, KENNETH L. & SHARON W.	88.88	0.00	0.00	0.00	0.00	0.00

SITE NAME	APP NO.	MOU	OWNER OF RECORD	DUTY (AF) 2022	DUTY USED 2018	DUTY USED 2019	DUTY USED 2020	DUTY USED 2021	DUTY USED 2022
089 N16 E19 11CBBB1	V04542	IRR	DORR, KENNETH L. & SHARON W.	16.93	0.00	0.00	0.00	0.00	0.00
089 N16 E19 11CCBB1	70298, 70299	IRR	GRASHUIS, DAVID M. & KATHRYN L.	6.61	5.78	5.37	3.18	7.36	6.35
089 N16 E19 11CDCC1	83161	IRR	JJ DOOLEY FAMILY TRUST	6.06	0.00	N/A	N/A	N/A	N/A
089 N16 E19 14BB	V10447	IRR	JJ DOOLEY FAMILY TRUST	0.00	N/A	0.00	0.00	0.00	0.00
089 N16 E19 14CAAC1	85351	IRR	BRAUN, DUSTIN J. AND CHRISTIE MICHAEL CASEY	4.00	N/A	N/A	CAN	N/A	N/A
089 N16 E19 14CDAD1	61173	IRR	JOHN ANDREW AND PAMELA MURPHEY TRUST	3.00	1.22	0.96	1.41	1.44	1.52
089 N16 E19 14DCBC1	58963	OTH	WASHOE VALLEY VOLUNTEER FIRE DEPT.	0.06	0.06	0.06	0.06	0.06	0.06
089 N16 E19 15ABAA1	68872	IRR	BASSETT, JACK L. & JUDY A.	2.02	2.60	2.71	2.90	2.02	2.83
089 N16 E19 15BDAD1	20840	IRR	CLIFF, ALVIN H. (13.28 AF), CLIFF BROS RANCH LLC (531.08 AF)	544.36	273.18	136.59	322.35	360.60	316.62
089 N16 E19 15DADC1	77100	IRR	JENKS, LINDA AND JAMES	3.00	0.06	0.06	0.09	0.10	0.09
089 N16 E19 16DAAA1	60123	IRR	KING, ELIZABETH H. AND MACLELLAN E JR.	2.00	1.92	2.08	1.67	1.76	1.43
089 N16 E19 16DADB1	58726	IRR	RUMMINGS, L. JAMES & PATTY W.	5.00	2.34	6.97	4.75	2.83	3.45
089 N16 E19 21DADA2	27569	IRR	CAROL A. BAILEY 1994 TRUST (70.91 AF), ROSEHAVEN PROPERTIES, LLC (89.83 AF)	160.74	81.38	40.69	96.03	107.44	160.74
089 N16 E19 22BBAD1	76548, 76549 82897, 82898, 82899, V11297, V11299, V11300	MUN	TMWA	100.00	77.29	58.16	63.80	63.16	80.36
089 N16 E19 22BDBD1		IRR, QM, DOM, STK	ROSEHAVEN PROPERTIES, LLC	46.48	0.00	2.15	2.96	0.00	12.01
089 N16 E19 22BDCA1	91893	STK	ROSEHAVEN PROPERTIES, LLC	2.80	N/A	N/A	N/A	N/A	2.80
089 N16 E19 22BDCC1	V11292, V11296, V11298	STK, DOM, IRR	ROSEHAVEN PROPERTIES, LLC	2.80	0.00	0.00	0.05	0.00	0.00
089 N16 E19 22BDCC1	86465	STK	ROSEHAVEN PROPERTIES, LLC	N/A	N/A	0.00	0.00	N/A	ABR
089 N16 E19 22CABA1	58723, 58725, 91270	IRR, REC	JOHN C. MAYES; MAYES, JOHN C.	7.00	0.31	6.32	7.02	7.11	0.22
089 N16 E19 22CABC3	58732, 58733	IRR	SCOTT JONES LIVING TRUST DATED 11/29/17	9.05	2.50	2.50	2.50	3.01	6.04
089 N16 E19 22CACA1	58724, 58735	IRR	PIERCZYNSKI, EDMOND J. AND MARY B.	9.05	1.74	1.73	2.23	2.08	1.81
089 N16 E19 22CCAD1	59030, 59031, 59032	IRR	BILL E CARLSON AND SHARON M CARLSON	13.05	1.53	0.10	2.94	3.01	1.82
089 N16 E19 22CCCA1	73114	QM	GARRETT, V. DIAN	2.02	2.93	2.08	2.62	2.02	2.02
089 N16 E19 22CDAD1	59021, 59022, 59023, 59024	IRR	DI LORETO FAMILY TRUST	20.00	10.00	5.98	12.91	9.48	6.01
089 N16 E19 22CDBB1	59015, 59016, 59017	IRR	DI LORETO FAMILY TRUST	13.05	5.33	3.46	2.45	2.40	5.57
089 N16 E19 22CDBD1	59035, 59036, 59037	IRR	SCARPELLO FAMILY TRUST	26.10	7.81	7.30	8.49	6.65	6.96

SITE NAME	APP NO.	MOU	OWNER OF RECORD	DUTY (AF) 2022	DUTY USED 2018	DUTY USED 2019	DUTY USED 2020	DUTY USED 2021	DUTY USED 2022
089 N16 E19 22DADC1	23287, 66607	IRR, REC	CONSERVATION FUND; DUNCAN GOLF AT TOIYABLE, LLC	531.38	62.10	60.87	66.05	65.09	63.63
089 N16 E19 22DBAC1	61627, 70866	MUN	TMWA; LAKE AND MOUNTAIN VIEWS, LLC	75.15	0.34	0.00	0.00	0.65	0.00
089 N16 E19 22DBBA1	20648	IRR	WEISE, ROBERT LEWIS; WEBB, WILLIAM & SHELLY; NEVADA-STATE LANDS DIVISION	103.92	0.00	0.00	0.00	0.00	0.00
089 N16 E19 22DBCA1	31847	IRR	WEIR, DON AND JULIE	11.84	11.84	2.96	0.00	0.40	0.40
089 N16 E19 22DBDA1	66606, 66609	REC	DUNCAN GOLF AT TOIYABLE, LLC	724.63	69.87	33.35	66.89	103.40	94.10
089 N16 E19 22DBDC1	61628, 61629, 61724, 62348, 70114, 70865	MUN	TMWA; PERENNIAL PLACES, LLC	175.59	14.38	6.17	1.04	17.94	19.56
089 N16 E19 22DCBA1	82879	IRR	JOHN R. AND ELIZABETH A. SEIBOLD TRUST	3.00	3.20	5.44	6.60	4.60	2.39
089 N16 E19 22DCBD1	21413	IRR	WASHOE COUNTY	N/A	0.00	REL	REL	REL	REL
089 N16 E19 22DDAD1	73191, 73192	IRR	THE 1989 LEE FAMILY TRUST	12.88	7.64	7.05	6.64	5.89	2.47
089 N16 E19 23ACBB1	61167	IRR	GIBSON, JAMES R. & MARILYN N.	2.02	2.86	2.80	2.79	2.82	2.75
089 N16 E19 23BACD1	66610	REC	DUNCAN GOLF AT TOIYABLE, LLC	328.50	80.52	0.01	56.48	72.35	47.77
089 N16 E19 23BBAA1	27284	IRR	MCCARLEY, JULAYNE	4.06	3.03	3.03	3.03	3.03	3.27
089 N16 E19 23BBAA2	56534	STK	MCCARLEY, JULAYNE	0.06	0.06	0.00	0.00	0.00	0.00
089 N16 E19 23BBAB1	62591	IRR	PITTMAN, JIM & VICKI	2.00	0.57	0.27	0.64	0.48	0.44
089 N16 E19 23BBCC1	66608	REC	DUNCAN GOLF AT TOIYABLE, LLC	404.19	450.34	36.99	26.45	19.70	55.08
089 N16 E19 23BDAA1	61171	IRR	CLARK, DAVID L. AND CHARLOTTE K. SHALES-CLARK	2.02	1.40	1.64	4.63	4.49	2.02
089 N16 E19 23BDAB1	61172	IRR	KABOUR, MICHAEL P & KIRSTEN D BURNS, KATHLEEN A. NELSON; BURNS, TIMOTHY M.; NELSON-BURNS, KATHLEEN A	2.02	2.02	2.02	2.02	2.02	2.02
089 N16 E19 23BDBC1	75665, 80256	IRR	LUKOV, MONTE J. AND CARLA D.	6.06	8.68	8.29	6.00	7.64	13.64
089 N16 E19 23BDBC2	73153	IRR	GUZMAN, JOSE E. AND KOHOUTEK, PEGGY JO	2.02	3.62	4.96	5.77	4.78	4.86
089 N16 E19 23BDCB1	85247, 88054	IRR	WEISE, ROBERT L. AND CATHY V.	5.04	4.48	6.68	6.85	6.20	5.04
089 N16 E19 23BDCD1	27565	IRR	RIEBLI, ROSE MARIE AND WERNER BURCH, AGATHA	7.10	0.00	0.52	1.67	1.59	0.23
089 N16 E19 23CAAC1	58728	IRR	WEBB, WILLIAM & SHELLY	2.50	2.90	2.77	2.88	2.50	3.97
089 N16 E19 23CABA1	58727	IRR		2.50	3.98	4.00	4.00	2.50	2.50
089 N16 E19 23CADB1	46809, 46810	IRR		11.50	11.00	10.00	10.00	11.50	10.00

SITE NAME	APP NO.	MOU	OWNER OF RECORD	DUTY (AF) 2022	DUTY USED 2018	DUTY USED 2019	DUTY USED 2020	DUTY USED 2021	DUTY USED 2022
089 N16 E19 23CBCB1	30581	IRR	ANDREWS, JOHN & PAMELA MURPHEY 1991 TRUST (1.485 AF), GIBSON, JAMES & MARILYN (0.998 AF), HADLEY, CJ & SULLIVAN, TERRY (0.998), LANG FAMILY TRUST (2.741 AF), PENNINGTON, AL & DELANE M. (0.998 AF), PRUETT, DONALD (0.998 AF), TRUST B-2 UNDER THE WILL OF EDWARD E EYRE (0.0998) HANNAN, J. THOMAS THE KING FAMILY TRUST NEVIS, SAM PENNINGTON, AL & DELANE EISENHAEUER, DAVID AND HEIDI KUHL, DONALD D. AND SHARON E. TRUST GILMAN, L. LANCE COYLE 1990 FAMILY TRUST BRIAN AND KAREN ELLISON TRUST (4.0 AF), CARRASCO, MARSHALL (11.42 AF), GOLDSTEIN, MARK S. AND BETTY A. (2.0 AF), NORTH VALLEY HOLDINGS LLC (2.02 AF), WASHOE COUNTY (2.98 AF); CARRASCO, MARSHALL CHENEY, GLEN A. & JACKIE L. NEVADA-PARKS DIVISION NEVADA-DEPARTMENT OF TRANSPORTATION NEVADA-PARKS DIVISION THE SMITH TRUST, DATED SEPT. 12, 2011 THE SMITH TRUST, DATED SEPT. 12, 2011 SMITH TRUST STEWART, JOHN W & JANICE C MCCLEARY, ELIZABETH ANNE MCCLEARY, ELIZABETH ANNE COPELAND, ALLEN R. AND EDENIR SCAP 7, LLC NEVADA-BUILDINGS AND GROUNDS DIVISION	9.22	0.00	0.00	0.00	0.00	0.00
089 N16 E19 23CCBB1	30436	IRR		16.36	11.94	16.36	16.36	16.36	16.36
089 N16 E19 23CCBD1	31763	IRR		20.00	6.82	6.17	7.58	7.05	6.01
089 N16 E19 23CDAA1	67005, 67006	IRR		11.11	6.06	6.06	6.06	6.06	6.06
089 N16 E19 23CDAB1	61169	IRR		2.02	2.03	1.60	2.55	2.78	2.61
089 N16 E19 23CDBB1	68186, 68187	IRR		7.33	3.01	3.69	2.67	3.44	2.95
089 N16 E19 23CDBD1	90138	IRR		6.06	N/A	N/A	N/A	N/A	N/A
089 N16 E19 23DAB1	68482, 68483	IRR		1.79	0.68	1.14	1.23	3.33	1.24
089 N16 E19 23DBCA1	88589	IRR		6.48	N/A	0.00	6.67	7.56	5.63
089 N16 E19 23DBDC1	60683, 86604	IRR		30.46	12.77	18.28	22.17	26.18	10.37
089 N16 E19 23DDCC1	72750	QM		2.02	4.80	3.94	4.00	2.02	2.02
089 N16 E19 25ABDD1	61611	REC		0.06	0.31	0.23	0.34	0.29	0.28
089 N16 E19 25BABB1	62700, 62701, 62702	WLD		759.55	759.55	759.55	731.16	731.16	731.16
089 N16 E19 25CABC1	38975	REC		3.56	3.56	3.56	3.56	3.36	3.56
089 N16 E19 25CCCA1	50138	IRR		109.06	107.83	107.83	107.94	109.06	105.56
089 N16 E19 25CCCA2	61215	STK		1.57	1.57	1.57	1.57	1.57	2.14
089 N16 E19 26ABAD1	89081	IRR		8.00	N/A	N/A	N/A	N/A	N/A
089 N16 E19 26DABC1	19993	IRR		20.00	14.47	15.12	15.12	15.12	15.12
089 N16 E19 26DCCC1	88450	QM		13.24	N/A	0.57	0.50	3.51	2.47
089 N16 E19 26DDCC1	36849	STK		0.61	0.04	0.25	0.09	0.11	0.18
089 N16 E19 27AAAA1	49089	IRR		6.00	6.00	2.00	6.00	6.00	6.00
089 N16 E19 27DDCA1	77786, 77787	IRR		25.69	0.20	0.20	0.20	0.00	0.00
089 N16 E19 30CAAC1	24876, 30895	MUN		1,145.89	1,145.89	208.82	633.76	259.94	1,145.89

SITE NAME	APP NO.	MOU	OWNER OF RECORD	DUTY (AF) 2022	DUTY USED 2018	DUTY USED 2019	DUTY USED 2020	DUTY USED 2021	DUTY USED 2022
089 N16 E19 35ACDA1	20114	DOM	KELLEY, PETER T.	1.63	1.63	1.63	1.63	1.63	1.63
089 N16 E19 35ACDD1	36079	MUN	HUTTER III, CHARLES G. AND HUTTER, COLLIE L.	N/A	0.00	ABR	ABR	ABR	ABR
089 N16 E19 35ACDD2	89031	REC	HUTTER, CHARLES G. AND COLLIE L.	0.62	N/A	N/A	N/A	0.53	0.65
089 N16 E19 36BCAD1	56742	COM	KUHL, DONALD D. AND SHARONE.	N/A	6.06	6.06	6.06	ABR	ABR
089 N16 E20 05BCBA1	76057, 89469	COM	TWISTED SISTERS, LLC	0.96	0.87	0.66	0.86	0.99	1.17
089 N16 E20 05CACAI	68979	IRR	DAY, RICHARD W. & MARY E.	1.00	2.84	2.06	2.25	1.45	1.92
089 N16 E20 05CACCI	70928	IRR	CLARK, MICHAEL E.	5.00	9.09	7.89	8.81	7.50	5.00
089 N16 E20 05DAAB1	59328	QM	CHAN, RUTH	2.52	0.35	0.31	0.38	0.36	0.38
089 N16 E20 05DCCB1	69752	IRR	RICHARD C. & VICKI RINEHART L. TRUST	4.00	1.61	1.70	2.44	2.27	1.70
089 N16 E20 05DCCD1	65482	IRR	GARMS, MARGO	4.00	4.00	4.00	4.00	3.36	4.00
089 N16 E20 05DCDC1	67908	IRR	FAZZARI, MICHAEL F TRUST, KATHLEEN HERZING TRUST	2.00	1.40	1.25	1.24	0.14	1.20
089 N16 E20 06ACDB1	53076	IRR	WASHOE COUNTY	2.02	0.23	0.23	1.16	1.16	1.07
089 N16 E20 06BABB1	49883	OTH	PLEASANT VALLEY V.F.D.	0.25	0.25	0.25	0.25	0.25	0.25
089 N16 E20 06BADA1	28570	QM	NELSON, JAMES N. JR.	2.24	2.24	2.24	2.24	2.24	2.24
089 N16 E20 06BDAB1	19691	IRR	BROWN, MICHAEL (4 AFA) AND RATLIFF, ROY L. & LORENE (4 AFA)	8.00	1.96	1.96	1.96	1.96	2.52
089 N16 E20 06BDBB1	26731	QM	TINBERG, GEORGE	1.01	1.01	1.01	1.01	1.01	1.01
089 N16 E20 06CABB1	26387	IRR	PYLE, CHARLES R. & GAYLE L.	3.40	1.12	1.12	1.12	1.12	0.65
089 N16 E20 06CABB2	26386	IRR	PYLE, CHARLES R. & GAYLE L.	3.40	1.12	1.12	1.12	1.12	0.65
089 N16 E20 06CBBA1	81075	COM	RICHARD, MATTHEW J.	1.00	1.66	1.08	2.13	2.45	2.39
089 N16 E20 06CDBC1	33690	IRR	NICHOLSON, SUZANN M.	2.00	0.10	0.10	0.93	0.00	0.09
089 N16 E20 08ADAB1	74172	IRR	JOHN V. HANSON TRUST, 5/29/2003	4.00	4.35	3.68	3.79	3.90	3.87
089 N16 E20 08DADB1	57914	IRR	HOWELL, ROBERT (6.23 AF), KAUFFMANN, DYKE AND BETH (2.14 AF), RT MERCHANT, LLC (0.12 AF), SERPA, JOHN (1.00 AF), WALTERS FAMILY TRUST (5.16 AF), WHALLEY, BARRY AND SUZANNE (4.00 AF) PERENNIAL PLACES, LLC (1.17 AF), RT MERCHANT (0.0873 AF); PLATT, BRAD A. AND CHRIS S.	18.65	0.00	0.00	0.00	0.00	0.00
089 N16 E20 08DDCB1	57915, 77563	QM, IRR	STRAUBEL, JEFFREY BRIAN	3.94	0.00	0.00	1.35	1.95	1.58
089 N16 E20 16ACAC1	27891	IRR	STRAUBEL, JEFFREY BRIAN	57.90	13.68	13.68	13.68	7.25	28.03
089 N16 E20 16ACCB1	48824	IRR	STRAUBEL, JEFFREY BRIAN	38.20	0.00	0.00	0.05	0.00	0.00
089 N16 E20 16DBAA1	29119	IRR	STRAUBEL, JEFFREY BRIAN	29.00	0.00	0.00	0.05	0.00	0.00
089 N16 E20 17AABC1	61402	IRR	JAMES S.W. GREIL AND LOU GREIL	130.28	94.76	86.46	131.13	84.64	63.94
089 N16 E20 17ACCA1	17420, 38768	IRR, REC	NEVADA-PARKS DIVISION	153.60	4.15	12.13	11.50	4.76	17.97

SITE NAME	APP NO.	MOU	OWNER OF RECORD	DUTY (AF) 2022	DUTY USED 2018	DUTY USED 2019	DUTY USED 2020	DUTY USED 2021	DUTY USED 2022
089 N16 E20 17ADBC1	52002, 52003	IRR	MURPHY-SHARP, DONNA R. AND WILLIAM R.	480.88	162.39	166.07	194.72	136.35	162.53
089 N16 E20 17DDCA1	76604	IRR	TARAS TRUST UNDER AGREEMENT DATED 2/19/14	3.00	0.01	1.00	3.00	0.44	1.00
089 N17 E19 15DACAI	78661, 85384	QM	GOURLEY FAMILY LIVING TRUST DATED 7/29/1998	2.19	3.72	0.76	0.46	1.04	1.18
089 N17 E19 23AACB1	58615, 59703, 63357, 63358, 64023, 64343, 73123, 73907, 74858, 76771, 76771A01, 77354, 77355, 77356 69702, 69703, 69705, 69706, 69707, 69894, 69895, 69896, 69897, 69898, 69899, 69900, 69901	COM, QM, MUN	TMWA; MCCLEARY, ELIZABETH ANNE; THE TRUST AGREEMENT OF NORINE M. GALAGHER, DATED 5/30/06; LORIN JOHNSON TRUST; UNIVERSITY OF NEVADA, RENO FOUNDATION	170.04	1.76	12.62	0.70	36.00	57.38
089 N17 E19 23ABAB1		MUN	SKAGGS FAMILY TRUST; TMWA	553.52	0.00	N/A	N/A	N/A	N/A
089 N17 E19 23ACBC1	81715, 85890, 85891, 85892, 88229, 88276, 89784, 89786, 89787, 90241, 91668, 85890A01	MUN	TMWA; REEVES BUSINESS VENTURES; REEVES, BRUCE D.; MADOLE CONSTRUCTION CO., INC. (2.46 AF), TMWA (0.54)	70.33	45.80	20.68	39.72	23.71	0.00
089 N17 E19 23ADCB1	30097	QM	TMWA	N/A	0.00	0.00	0.00	0.00	ABR
089 N17 E19 23ADCD1	31712	COM	RILEY, ERNEST H. AND JEWEL	0.22	0.21	0.21	0.21	0.21	0.22
089 N17 E19 23ADCD2	11807	IRR	AITKEN, DAVID M.	9.70	2.10	2.10	2.10	2.10	2.10
089 N17 E19 23CADD1	25708	QM	ROMAN CATHOLIC BISHOP OF RENO	42.57	4.00	4.00	4.00	4.00	4.00
089 N17 E19 23DAAA1	64060	STK	WATTS, PATRICK D.	2.02	0.34	0.56	0.72	0.94	0.66
089 N17 E19 23DBBC1	52597	COM	SALZWIMMER, CAROLINE	0.34	5.28	5.49	0.34	0.34	0.08
089 N17 E19 23DBCD1	29998	QM	JAMES HENRY FULTON	8.41	8.41	8.36	4.21	8.41	4.21
089 N17 E19 23DBCD2	29999	QM	JAMES HENRY FULTON	8.41	0.00	0.05	4.20	-	4.20
089 N17 E19 23DCAC1	79077	IRR	CLIFF, KENNETH W AND VICTORIA L	1.02	1.92	1.52	1.95	1.23	1.33
089 N17 E19 23DCCA1	17566	IRR	STEELE, KATHY	0.02	0.56	0.00	0.00	0.00	0.00
089 N17 E19 23DCCC1	85905, 85906, 85907	IRR	5 SEAT INVESTMENTS, LLC; SIERRA MINING & STONE LLC	1.89	0.04	0.00	0.01	0.07	0.09
089 N17 E19 24BBBCD1	58922	QM	WASHOE VALLEY STORAGE LIMITED PARTNERSHIP	1.14	1.12	0.40	0.18	0.86	0.27
089 N17 E19 24BCAB1	91165	COM	WILLEY LAND, LLC	2.02	N/A	N/A	N/A	N/A	N/A
089 N17 E19 24BCBB1	21792	COM	JASON MURRY TRUST DATED 4/23/2015	2.16	0.00	4.46	2.16	2.56	2.94
089 N17 E19 24BCBC1	11510	IRR	LAWRENCE, KENNETH C. AND ZELDA	12.00	0.00	0.00	0.00	2.00	2.00
089 N17 E19 24BCBC2	38493	IRR	SECTOR 9, LLC	4.33	0.00	0.00	0.00	0.00	2.00

SITE NAME	APP NO.	MOU	OWNER OF RECORD	DUTY (AF) 2022	DUTY USED 2018	DUTY USED 2019	DUTY USED 2020	DUTY USED 2021	DUTY USED 2022
089 N17 E19 25AAAD1	34713	QM	TRUCKEE MEADOWS FIRE PROTECTION DST.	0.40	0.46	0.44	0.40	0.54	0.56
089 N17 E19 25AABA1	45398	IRR	NEVADA-FORESTRY DIVISION	6.91	6.91	6.91	6.91	6.91	6.91
089 N17 E19 25AABA2	35330	IRR	NEVADA-FORESTRY DIVISION	7.60	7.60	7.60	7.60	7.60	7.60
089 N17 E19 25ADDA1	35230	OTH	NEVADA-STATE LANDS DIVISION	2.00	2.00	2.00	2.00	2.00	2.00
089 N17 E19 26BACA1	68102, 68103, 68119, 68120	IRR	BLM	151.65	N/A	N/A	N/A	N/A	N/A
089 N17 E19 26BCAB1	51087	IRR	SAYAN, MICHAEL DENNIS	7.25	4.59	7.25	7.25	7.25	7.25
089 N17 E19 26BCDB1	52618	IRR	FROHLICH, MARK C.	25.94	0.00	0.00	0.05	0.00	0.00
089 N17 E19 26BDCC1	68117, 68118	IRR	BLM	60.44	N/A	N/A	N/A	N/A	N/A
089 N17 E19 26CBDA1	68101	IRR	BLM	61.00	N/A	N/A	N/A	N/A	N/A
089 N17 E19 26CCAC1	66232, 69433, 69570	REC	BLM	101.37	N/A	N/A	N/A	N/A	N/A
089 N17 E19 27ADAA1	51088	IRR	FROHLICH, MARK C.	10.49	7.49	7.49	7.49	8.12	6.77
089 N17 E19 27DCAD1	24781, 24782	REC	WASHOE COUNTY	21.42	18.32	18.32	18.32	21.42	21.42
089 N17 E19 30BADA1	80016	REC	U.S.-FOREST SERVICE	0.50	0.50	0.50	0.50	0.50	0.50
089 N17 E19 34AAAA1	68113, 68116	IRR	BLM	410.03	N/A	N/A	N/A	N/A	N/A
089 N17 E19 34ADCB1	36386	REC	GASH, ROGER	2.89	0.98	0.90	0.88	1.00	1.12
089 N17 E19 34ADDC1	75136, 75138, 75139	IRR	GTS, LLC	56.59	3.02	0.20	1.95	2.64	0.31
089 N17 E19 35BCDB1	68114, 68115	IRR	BLM	379.56	N/A	N/A	N/A	N/A	N/A
089 N17 E19 35CCAC1	66233, 69731	REC	BLM	95.23	N/A	N/A	N/A	N/A	N/A
089 N17 E19 35CCAC2	V05764	STK	WASHOE RANCH PROPERTIES	44.93	N/A	0.00	N/A	0.00	0.00
089 N17 E19 36DDDD1	24003, 24004, 30225	IRR, WLD	NEVADA-STATE LANDS DIVISION; FALCON CAPITAL, LLC	2,018.96	0.00	224.69	287.59	210.65	460.88
089 N17 E20 30BBBB1	35019	QM	JON C. LINDBERG & MICHAL K. LINDBERG	1.38	1.38	1.38	1.38	1.38	1.38
089 N17 E20 31ADDD1	26345	IRR	HAWKINS, MARY ANNE	6.94	0.55	2.00	1.57	1.57	1.59
089 N17 E20 31BCBB1	85883	IRR	WILCOX, GARY H. & DONEL D.	1.00	N/A	N/A	N/A	N/A	N/A
089 N17 E20 31BDBD1	23289	IRR	THE RICHARD V. TARAS TRUST DATED 11/10/1995	1.00	0.10	0.10	0.10	0.10	0.10
089 N17 E20 31CACB1	45173, 61913, 89601	REC, MUN	WASHOE COUNTY; KAUFFMANN, DYKE	18.75	9.28	10.16	3.12	8.73	9.76
089 N17 E20 31CCAB1	67734	COM	WASHOE COUNTY	0.56	2.55	0.82	0.76	0.86	0.77
089 N17 E20 31CCCD1	55838	IRR	BRADFORD ROYAL KEIFE	10.00	9.88	7.51	5.29	8.15	6.06
089 N17 E20 31CCDB1	52028, 54841	IRR	DANIELS, CHARLES & SUSAN	8.00	4.25	4.55	4.97	4.40	3.66
089 N17 E20 31CDDA1	25840	QM	WELCH, CLARE C.	4.02	2.50	2.50	4.02	4.02	4.02

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089 N17 E20 31DADD1	71544	COM	KREUTZJANS, JOHN AND MARY MARGARET SINGER	1.94	1.50	0.86	1.44	1.39	1.19
089 N17 E20 31DDDC1	49896	QM	WASHOE COUNTY	3.50	1.42	1.25	0.43	0.10	0.06
089 N17 E20 31DDDD1	49897, 61059	QM	WASHOE COUNTY	5.95	0.91	1.00	1.38	0.79	1.33
089 N17 E20 31DDDD2	61501	QM	145 ESMERALDA LLC	2.00	2.01	1.80	0.10	1.00	0.62
089 N17 E20 32ACAA1	87409	IRR	LEIDER, LARRY	2.02	N/A	0.30	0.00	2.22	1.89
089 N17 E20 32ACCA1	38904	QM	LDS	2.30	2.30	2.30	2.30	2.30	2.30
089 N17 E20 32CCBA1	49390	COM	WARNER, RANDALL J.	0.49	0.49	0.37	0.10	0.49	0.49
089 N17 E20 32CCBB1	65610	COM	DL LAKESHORE, LLC	1.94	0.63	0.34	0.15	0.43	0.60
089 N17 E20 32CCBD1	36588	COM	TRE UCCELLINI, LLC	0.39	0.40	0.40	0.40	0.40	0.39
089 N17 E20 32CCBD2	80109	COM	MURPHY, HENRY F AND BONNIE	3.67	1.85	2.00	2.00	3.00	3.67
089 N17 E20 32CCDB1	48915	QM	RODRIGUEZ-OCAMPO, GONZALO & VIDAL-DERODRIGUEZ, JOVITA	2.37	1.74	0.56	0.80	0.51	0.62

ABR: Abrogated

REL: Relinquished

N/A: Not Applicable