

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

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PAHRANAGAT VALLEY
HYDROGRAPHIC BASIN 13-209

GROUNDWATER PUMPAGE INVENTORY

WATER YEAR 2022

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ABSTRACT

This inventory represents the status and usage of all permitted, certificated, claims of vested right groundwater rights, and exempt domestic wells located within Pahrnagat Valley, Hydrographic Basin 13-209, for water year 2022 (October 1, 2021 through September 30, 2022). Also included are tables, 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 continual basis.

For water year 2022, the committed water resource totaled 10,998 acre-feet, with estimated pumpage of approximately **5,907 acre-feet**. This figure includes an estimated 129 acre-feet pumped from domestic wells.

Irrigation is the largest manner of use within the basin. For water year 2022, pumpage for irrigation totaled 5,260 acre-feet, with appropriations of 7,393 acre-feet. The second largest manner of use was municipal, with pumpage totaling 440 acre-feet and appropriations of 1,089 acre-feet.

HYDROGRAPHIC BASIN SUMMARY

| | |
|---------------------------------------|--------------------|
| HYDROGRAPHIC BASIN NUMBER | 209, REGION 13 |
| HYDROGRAPHIC BASIN NAME | PAHRANAGAT VALLEY |
| COUNTIES | LINCOLN |
| MAJOR COMMUNITIES | HIKO, ALAMO |
| DESIGNATED | YES |
| DENIALS BASED UPON WATER AVAILABILITY | IRRIGATION |
| GROUNDWATER LEVEL MEASUREMENTS | NDWR |
| PUMPAGE INVENTORY, ACRE-FEET IN 2022 | 5,907 ¹ |

[STATE ENGINEER'S ORDERS](#)

[NO. 1199 – DESIGNATION](#)

DATE: APRIL 20, 2009

| | | |
|---|-------------------------|------------------------|
| COMMITTED GROUNDWATER RESOURCE: 10,998 ACRE-FEET ^{2,3} | | DATE: SEPTEMBER 2022 |
| COMMERCIAL 94 | DOMESTIC 258 | IRRIGATION 7,393 |
| MUNICIPAL 1,089 | QUASI-MUNICIPAL 2 | STOCKWATER 70 |
| WILDLIFE 2,092 | | |

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), and to estimate the amount of groundwater pumped within the Pahrnagat Valley for water year 2022. This report estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, claims of vested right, and by exempt domestic wells within the basin.

DESCRIPTION OF THE STUDY AREA

Pahrnagat Valley is located in central eastern Nevada, approximately 45 miles west of Caliente. The basin lies in Lincoln County (Figure 1) and is within the Colorado River Hydrographic Region. Pahrnagat Valley is bounded on the west by the Mount Irish and Pahrnagat Ranges, on the east by the South Pahroc Range, and on the north by the North Pahroc Ranges. The south boundary is defined by a series of hills at the south end of the Pahrnagat Range that connects with the north end of the Sheep Range and Delamar Mountains.

The adjacent Nevada hydrographic basins are Tikaboo Valley - Southern Part (10-169B) to the southwest, Tikaboo Valley - Northern Part (10-169A) to the west, Coal Valley (10-171) to the northwest, Pahroc Valley (13-208) to the north, Delamar Valley (10-182) to the east, and Coyote Spring Valley (13-210) to the southeast. The exterior boundary of the Pahrnagat Valley Hydrographic Basin is as described by Designation Order 1199, issued by the Nevada State Engineer on April 20, 2009. The basin covers approximately 790 square miles.

Carbonate rocks in the basin discharge a substantial amount of groundwater. Most of this perennial discharge occurs at Hiko, Crystal, and Ash Springs, where water is collected via ditches mainly for irrigation and stock watering purposes, and then allowed to drain to wetland areas as well as Pahrnagat (Upper and Lower), Frenchy, and Nesbitt lakes (Figure 1). The U.S. Geological Survey (USGS) operates streamflow gaging stations on Crystal and Ash Springs.

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 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 Pahranaagat Valley.

TABLES

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

| YEAR | COM | DOM | IRR | MUN | QM | STK | WLD | TOTAL |
|-------------|------------|------------|------------|------------|-----------|------------|------------|--------------|
| 2018 | 40 | 120 | 4,082 | 303 | 3 | 12 | 0 | 4,560 |
| 2019 | 36 | 120 | 4,277 | 283 | 2 | 22 | 0 | 4,740 |
| 2020 | 43 | 125 | 3,883 | 292 | 2 | 22 | 7 | 4,374 |
| 2021 | 37 | 127 | 4,512 | 442 | 2 | 22 | 7 | 5,149 |
| 2022 | 33 | 129 | 5,260 | 440 | 2 | 17 | 26 | 5,907 |

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

FIGURES

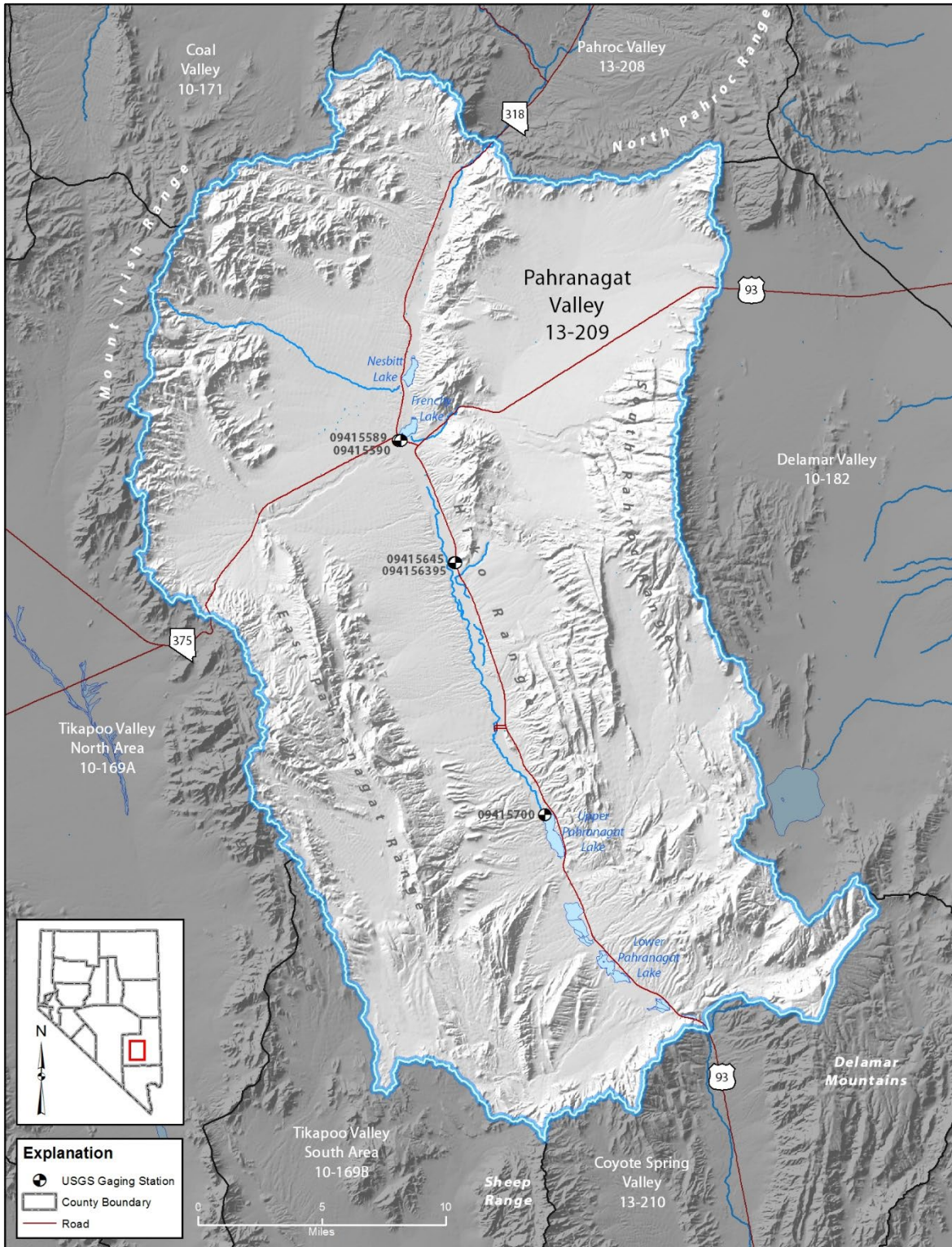


Figure 1. Physiographic map of Pahrnagat Valley (Hydrographic Basin 13-209).



Figure 2. Pahranaagat Valley groundwater level measurement sites.

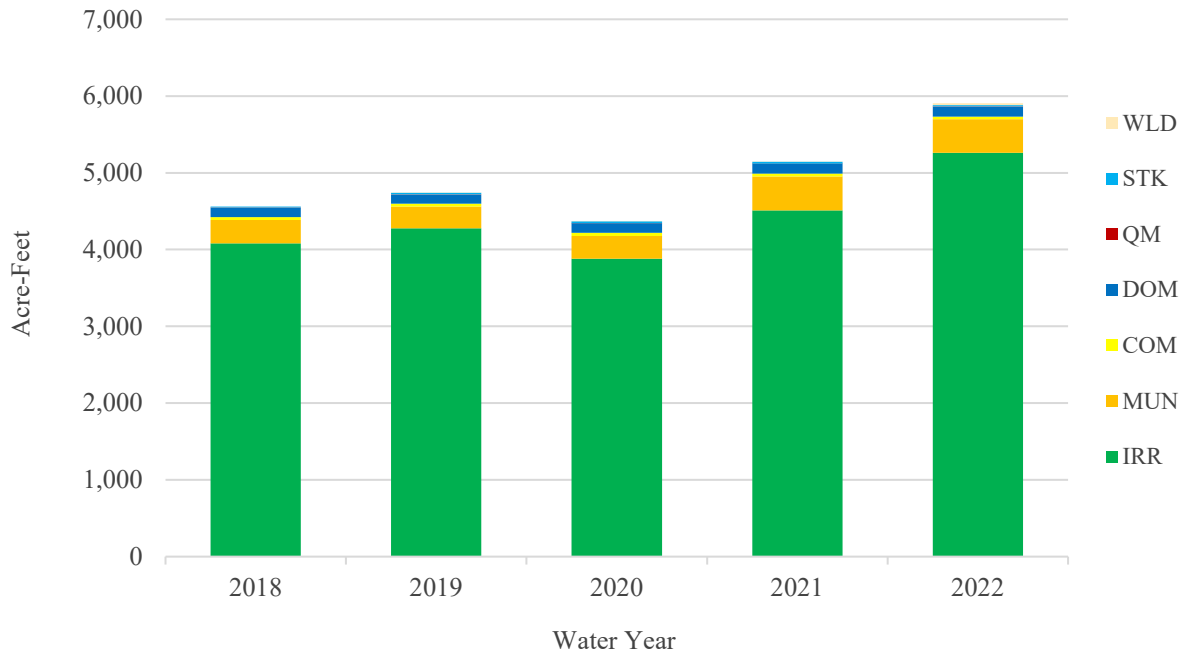


Figure 3. Pahrnagat Valley historical pumpage by manner of use.

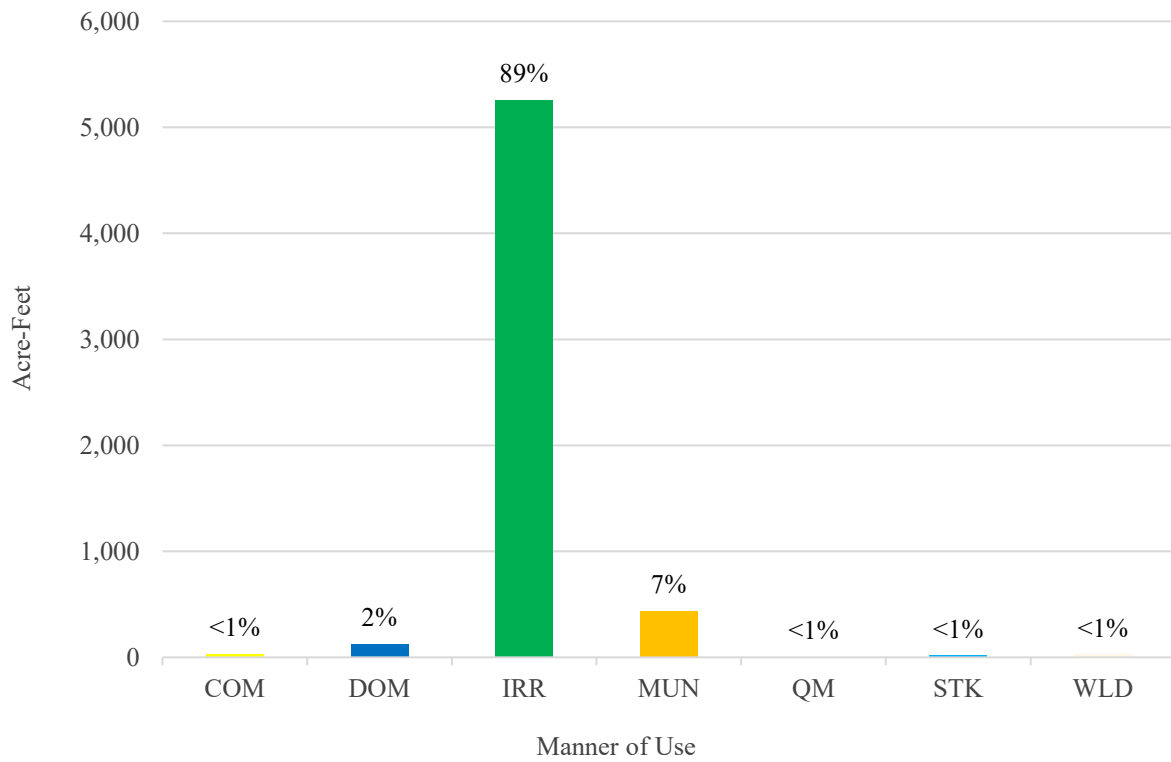


Figure 4. Percentage of 2022 groundwater pumpage by manner of use.

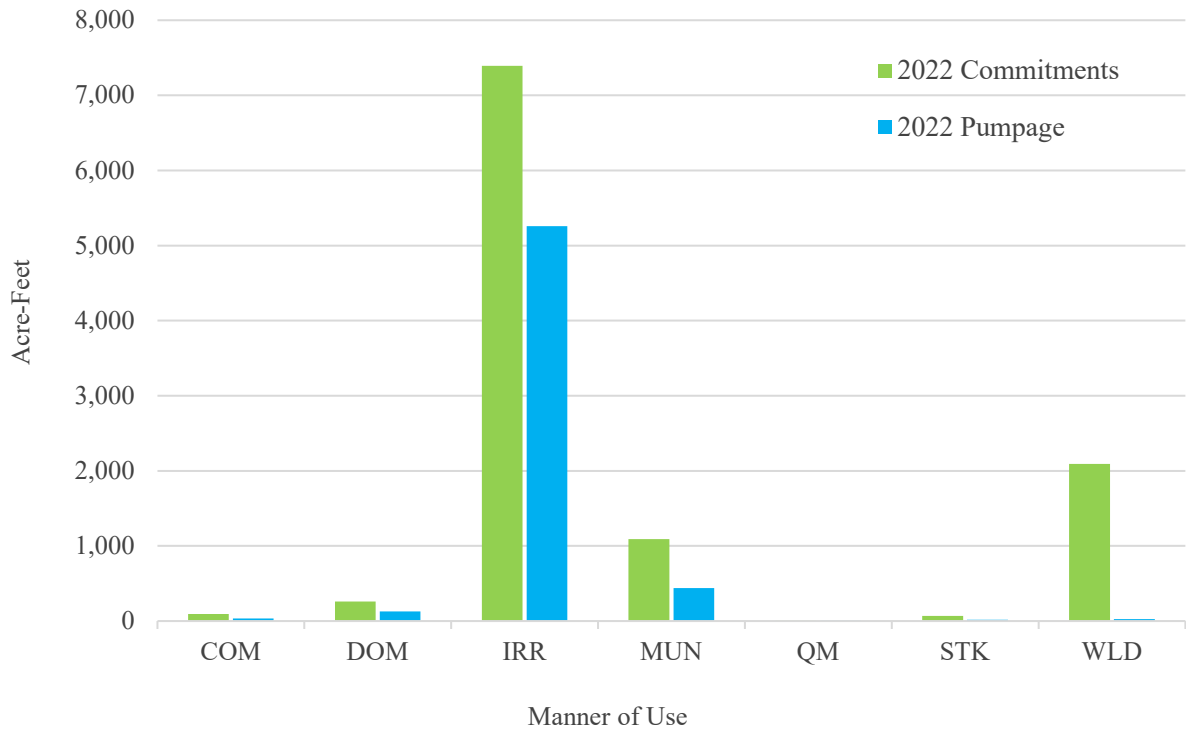


Figure 5. Comparison between 2022 groundwater commitments and estimated pumpage.

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

EXPLANATION OF COLUMN HEADINGS FOR GROUNDWATER PUMPAGE INVENTORY

| | | | |
|---------------------|--|----------------------|------------------|
| APP NUMBER | The file number of the Application or the Vested Claim of Right. | | |
| STATUS | Indicates if the application is a Vested Claim of Right (VST), Permit (Permit), Certificate (Cert), Cancelled (Can), Forfeited (For), Relinquished (Rel), Abrogated (Abr), or Expired (Exp). | | |
| OWNER OF RECORD | The owner of the water right as recorded in the files of the State Engineer. A water right may have more than one owner of record. | | |
| PLACE OF USE | | | |
| QQ | The quarter quarter of the Section in which the place of use and/or point of diversion is located. | | |
| Qtr | The quarter of the Section in which the place of use and/or point of diversion is located. | | |
| Sec | The Section in which the place of use and/or point of diversion is located. | | |
| T | The Township in which the place of use and/or point of diversion is located. | | |
| R | The Range in which the place of use and/or point of diversion is located. | | |
| ACRES OR DUTY | The number of acres that are permitted to be irrigated or the duty if the manner of use is anything other than irrigation. | | |
| ACRES IRR OR USE | The number of acres irrigated or the manner of use of the appropriated water. The types of manner of use 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 |
| USED (AF) | The amount of water used during the water year, in acre-feet, as determined by review of records and/or field investigation. | | |
| REMARKS | Notes pertaining to field investigation and/or review of records. | | |

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS |
|------------|--------|---------------------|--------------|-------|-------|----|---|---------------|------------------|---|--|
| | | | QQ | Qtr | Sec | T | R | | | | |
| V03154 | Vst. | Lamb & Buckhorn | NW | SE | 24 | 8 | 61 | 11.88 | STK | 0.00 WNV, actual source TBD | |
| V03155 | Vst. | Lamb & Buckhorn | NW | SE | 24 | 8 | 61 | 11.88 | STK | 0.00 WNV, actual source TBD | |
| V03160 | Vst. | Lamb & Buckhorn | NW | SE | 24 | 8 | 61 | 11.88 | STK | 0.00 WNV, actual source TBD | |
| V03161 | Vst. | Floyd Lamb | SE | SE | 32 | 8 | 62 | 11.88 | STK | 0.00 WNV, actual source TBD | |
| V08964 | Vst. | Elwyn Robinson | NE | SE | 21 | 7 | 61 | 0.68 | STK | 0.00 WNV, actual source TBD | |
| 12898 | Cert. | Alamo Water & Sewer | | | 1 | 6 | 60 | 1089.10 | MUN | 440.27 <u>POD 12898: S/N 822412 Well 5</u> | |
| 30161 | Abr. | | | | 12 | | | | | | RD - 3618180 - 10/7/22 well not in use |
| 30162 | Permit | | | | 6 | 6 | 61 | | | | <u>POD 30161: WV, capped</u> |
| 45908 | Permit | | | | 7 | | | | | | <u>POD 30162: S/N 1379689 Well 3</u> |
| 45909 | Permit | | | | 18-20 | | | | | | RD - 09891400 - 10/7/22, well not in use |
| 54514 | Permit | | | | 29-32 | | | | | | <u>POD 45908: S/N 6979060 Well 6</u> |
| 55533 | Permit | | | | 1 | 7 | 60 | | | | RD - 39625000 - 10/7/22, well not in use |
| 80337 | Permit | | | | 12 | | | | | | <u>POD 45909: S/N 9661116 Well 4</u> |
| 81758 | Permit | | | | 4-9 | 7 | 61 | | | | RD - (2)91273100 - 10/14/21 |
| | | | | | 16-17 | | | | | | RD - (3)56359600 - 10/7/22 |
| | | | | | 21-22 | | | | | | <u>POD 54514: S/N 0004453 Well 1</u> |
| | | | | 27-28 | | | RD - 39396000 - 10/7/22, well not in use | | | | |
| | | | | 34-35 | | | <u>POD 55533: S/N 9867636 Well 2</u> | | | | |
| | | | | 2 | 8 | 61 | RD - 58734400 - 10/7/22, well not in use | | | | |
| | | | | 3 | | | <u>POD 80337: S/N M165932612 Sandhill</u> | | | | |
| | | | | 10 | | | RD - 000676785500 - 10/14/21 | | | | |
| | | | | 11 | | | RD - 000755161700 - 10/7/22 | | | | |
| | | | | | | | <u>POD 81758: S/N M165922612</u> | | | | |
| | | | | | | | RD - 000091273100 - 10/14/21 | | | | |
| | | | | | | | RD - 000091273100 - 10/7/22 | | | | |

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS |
|--------------|--------|---|--------------|-----|-------------|--------|-------|---------------|------------------|---|---------|
| | | | QQ | Qtr | Sec | T | R | | | | |
| 19475 | Cert. | Schofield | NE | NE | 34 | 4 | 60 | 4.50 | 0.00 | 1.00 Domestic Use, cows 10/7/22 | |
| | | | SE | NE | | | | <u>10.20</u> | <u>0.00</u> | | |
| | | | TOTAL | | | | | | 14.70 | | 0.00 |
| 25906 | Cert. | NDOW | NE | SE | 22 | 4 | 60 | 1.70 | | 25906 is limited to 405 AF/Yr 25907 (WLD) is limited to what well can produce, not to exceed diversion rate expanded for 185 days per year, being 407.31 AF/Yr 25913 is limited to 270 AF/Yr POU Frency & Nesbitt Lakes Key Pittman Wildlife Management Area 0.05 <u>see field sheet for meter readings</u> | |
| 25907 | Cert. | | SE | SE | | | | 3.20 | | | |
| 25913 | Cert. | | NE | SW | 23 | | | 23.90 | | | |
| | | | NW | SW | | | | 30.10 | | | |
| | | | SW | SW | | | | 39.70 | | | |
| | | | SE | SW | | | | 9.10 | | | |
| | | | NW | NW | 26 | | | 15.70 | | | |
| NE | NW | | | | <u>0.60</u> | | | | | | |
| TOTAL | | | | | | 124.00 | 0.00 | | | | |
| 26638 | Cert. | Seifman, Haymore, Meldrum, Castaneda, Stewart | SW | SE | 8 | 7 | 61 | 10.00 | 0.00 | Well used for 81252-T RD - 796054 * 0.001 AF - 10/16/20 RD - 906942 * 0.001 AF - 10/8/21 191.99 RD - (1)098927 * 0.001 AF - 10/20/22 | |
| 81252-T | Exp. | | NW | NE | 17 | | | 40.00 | 10.00 | | |
| | | | NE | NE | | | | 40.00 | 15.00 | | |
| | | | SE | NE | | | | <u>40.00</u> | <u>10.00</u> | | |
| TOTAL | | | | | | 130.00 | 35.00 | | | | |
| 28296 | Cert. | Gifford | | | 32 | 6 | 61 | 29.85 | 7.46 | 49.75 Flood, Pasture grass, NIWR = 4.0 Irrigated with surface water. Well in use 25% of time | |

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS | |
|------------|--------|----------------------|--------------|-----|-----|---|----|---------------|------------------|---------------|---|---|
| | | | QQ | Qtr | Sec | T | R | | | | | |
| 32354 | Cert. | Hiko Properties, LLC | SE | SW | 11 | 4 | 60 | 12.44 | 9.50 | | <u>POD 72770 & 72772 (South Well):S/N 140142406</u> | |
| 35054 | Cert. | Whipple | SW | SW | 11 | | | 8.89 | 7.03 | | RD - (5)23212800 - 10/8/21 | |
| 35055 | Cert. | Whipple | NW | NW | 14 | | | 15.66 | 15.66 | | RD - (5)74116800 - 10/7/22 | |
| 70990 | Permit | Hiko Properties, LLC | NE | NW | 14 | | | 35.60 | 35.60 | | <u>POD 35055 (Middle Well):S/N 997453-04</u> | |
| 72770 | Permit | Hiko Properties, LLC | SW | NW | 14 | | | 7.32 | 7.32 | | RD - (4)34590300 - 10/8/21 | |
| 72771 | Permit | Hiko Properties, LLC | SE | NW | 14 | | | 18.22 | 18.22 | | RD - (4)45500800 - 10/7/22 | |
| 72772 | Permit | Hiko Properties, LLC | SW | NE | 14 | | | <u>1.67</u> | <u>1.67</u> | | well line T's off before meter, not capturing all use <u>POD 32354, 35054 & 72771 (North Well):</u> SN 2007095306 RD - 466461000 - 10/8/21 RD - 501807000 - 10/7/22 | |
| | | | TOTAL | | | | | 99.80 | 95.00 | 298.17 | | <u>POD 70990 WV, equipped, not in use, no meter</u> |
| 35453 | Cert. | Joe & Evelyn Higbee | NW | SW | 32 | 6 | 61 | 8.00 | 8.00 | | Irrigated with surface water. | |
| | | | NE | SW | 32 | | | <u>20.00</u> | <u>20.00</u> | | | |
| | | | TOTAL | | | | | 28.00 | 28.00 | 70.00 | | Credited duty 2.5 Ac-Ft/Ac |
| 35739 | Cert. | Charles Wadsworth | NE | NW | 23 | 4 | 60 | 20.00 | 20.00 | | Irrigated with surface water. | |
| | | | NW | NW | 23 | | | <u>9.00</u> | <u>9.00</u> | | | |
| | | | TOTAL | | | | | 29.00 | 29.00 | 72.50 | | Credited duty 2.5 Ac-Ft/Ac |
| 45759 | Cert. | Barlow Trust, etc. | NW | NE | 21 | 7 | 61 | 27.41 | 20.41 | | | |
| 52013 | Cert. | | NE | NE | | | | 7.29 | 0.00 | | | |
| | | | SW | NE | | | | 14.68 | 14.68 | | RD - 996395 * 0.001 AF - 10/16/20 | |
| | | | SE | NE | | | | <u>38.11</u> | <u>20.11</u> | | RD - (1)127531 * 0.001 AF - 10/8/21 | |
| | | | TOTAL | | | | | 87.49 | 55.20 | 135.76 | | RD - (1)263291 * 0.001 AF - 10/7/22 |
| 45761 | Cert. | LDS Church | SE | SE | 17 | 7 | 62 | 2.24 | STK | | 2.24 No field sheet, several head of cattle, no meter | |

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS |
|------------|--------|--------------------------------|--------------|-----|-----|---|----|---------------|------------------|--|---------|
| | | | QQ | Qtr | Sec | T | R | | | | |
| 48333 | Cert. | Phyllis Frias Management Trust | SW | NE | 32 | 6 | 61 | 10.90 | 8.00 | 8.85 S/N 60931321 RD - 24120800 gal 10/15/21 RD - 27004300 gal 10/20/22 | |
| 78099 | Cert. | Phyllis Frias Management Trust | | | | | | 13.00 | COM | 14.03 S/N ET4BP768 RD - 61998000 gal 10/15/21 | |
| 91554-T | Permit | Phyllis Frias Management Trust | | | | | | 54.50 | COM | RD - 69452000 gal 10/20/22 subtract 48333 mtr total to get 78099 usage | |
| 48913 | Cert. | Spencer | SW | SE | 30 | 6 | 61 | 3.45 | 0.93 | 2.90 See field sheet for mtr readings Permitted Duty 17.25 Ac-Ft/Yr | |
| 53698 | Cert. | Lange | NW | NE | 31 | 6 | 61 | 5.00 | 5.00 | 30.76 S/N 62254796, Overpumpage RD - (1)58549600 - 10/15/21 RD - (1)68572200 - 10/20/22 Permitted Duty = 25.00 AFA | |
| 55918 | Permit | Whipple | NE | SE | 18 | 6 | 61 | 20.00 | 7.00 | 96.92 Based on mtr reading, see field sheet | |
| | | | NW | SE | 18 | | | 20.00 | 2.00 | | |
| | | | SE | SE | 18 | | | 20.00 | 7.00 | | |
| | | | SW | SE | 18 | | | <u>20.00</u> | <u>7.00</u> | | |
| | | | TOTAL | | | | | 80.00 | 23.00 | | |
| 55919 | Permit | Whipple | NW | SW | 18 | 6 | 61 | | | 0.00 see field sheet, WNV | |
| | | | NE | SW | 18 | | | | | | |
| | | | SE | SW | 18 | | | | | | |
| | | | TOTAL | | | | | 24.60 | 0.00 | | |
| 55920 | Permit | Whipple | NE | SE | 19 | 6 | 61 | <u>30.40</u> | | 10.22 Based on mtr reading, see field sheet | |
| | | | | | | | | 30.40 | 5.00 | | |

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS |
|------------|--------|-----------------|--------------|-----|-----|---|-------------|---------------|-----------------------------|---|---------|
| | | | QQ | Qtr | Sec | T | R | | | | |
| 56364 | Cert. | Lewis | NE | SW | 16 | 7 | 61 | 7.97 | 7.50 | 22.35 7.5 acres NE SW supplemental to decree water credited duty 2.5 ac-ft/ac | |
| | | | NW | SE | | | <u>1.91</u> | <u>1.44</u> | | | |
| | | | | | | | 9.88 | 8.94 | | | |
| 59308 | Cert. | LDS Church | NE | NW | 10 | 5 | 60 | 7.86 | STK | 7.86 Several head of cattle, no meter | |
| 61880 | For. | Wilkinson | NE | SW | 16 | 7 | 61 | 1.10 | 0.00 | 0.00 Same POD as Permit 56364 | |
| 62439 | Permit | USFWS | | | 2 | 8 | 61 | | | 62439 is limited to 960.94 Ac-Ft | |
| 62440 | Permit | | | | 10 | | | | | 62439 is limited to 960.94 Ac-Ft | |
| | | | | | 11 | | | | | 62440 is limited to 723.8 Ac-Ft | |
| | | | | | 14 | | | | | <u>Max 4 Ac-Ft/Yr from all sources</u> | |
| | | | | | 15 | | | | | <u>POD 62439: S/N 94416215 Well 2/ North well</u> | |
| | | | | | 23 | | | | | RD - (1)21203500 - 10/15/20 | |
| | | | | | 24 | | | | | RD - (1)21211000 - 10/5/21 | |
| | | | | | 25 | | | | | RD - (1)21211000 - 10/20/22 | |
| | | | | | 31 | 8 | 62 | | | <u>POD 62440: S/N 133159 Well 1/ South well</u> | |
| | | | | | 32 | | | | | RD - 97502600 - 10/15/20 | |
| | | | | | 4 | 9 | 62 | | | RD - 99555500 - 10/5/21 | |
| | | | | 5 | | | | | RD - (1)07883800 - 10/20/22 | | |
| | | | TOTAL | | | | | | WLD | 25.56 well 1 stand tank line that bypasses meter | |
| 62864 | Cert. | C4 Holding, LLC | NE | NE | 34 | 4 | 60 | 16.52 | 16.52 | 82.60 High managed pasture grass, NIWR = 4.0 Wheel line POD 68334 & 88750: no meter POD 62864 & 88751, WNV Total Combined Duty NTE 82.6 Ac-Ft/Yr | |
| 68334 | Cert. | | | | | | | | | | |
| 88750 | Permit | | | | | | | | | | |
| 88751 | Permit | | | | | | | | | | |
| | | | | | | | | | | | |

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS |
|----------------|-----------------|---------------------|--------------|-----|-----|---|----|---------------|------------------|--|---------|
| | | | QQ | Qtr | Sec | T | R | | | | |
| 63238 | Cert. | Givers Gain LLC | NE | NE | 31 | 6 | 61 | 19.04 | COM | 17.38 <u>POD 63238: S/N 9812822</u> RD - 84769300 - 10/15/21 RD - 87912300 - 10/20/22 <u>POD 67699: S/N 58024425</u> RD - 56201300 - 10/15/21 RD - 58719500 - 10/20/22 | |
| 67699 | Cert. | Leadership Poss. | SE | NE | | | | | | | |
| | | | NW | NW | 32 | | | | | | |
| | | | SW | NW | | | | | | | |
| 67150 | Cert. | USFWS | SE | NE | 10 | 8 | 61 | 0.92 | QM | 2.06 S/N 2315002, in R.O. House RD - 4254370 - 10/5/21 RD - 4924490 - 10/20/22 | |
| | | | NE | SE | | | | | | | |
| | | | SW | NW | 11 | | | | | | |
| | | | NW | SW | | | | | | | |
| 68412 78844 | Cert. Permit | Windmill Ridge, LLC | SE | SW | 06 | 6 | 61 | 7.15 | COM | 1.45 S/N 49440233, cabins and restaurant closed RD - (2)1314060 - 10/15/21 RD - (2)1786500 - 10/20/22 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 70505 | Cert. | Davis, Mike | SW | NW | 23 | 4 | 60 | 1.37 | 1.37 | 6.94 See field sheet for mtr readings overpumping, Duty = 6.85 | |
| 70509 | Cert. | Johnston | NW | SE | 15 | 4 | 61 | 2.24 | STK | 2.24 No field sheet, several head of cattle, no meter | |
| 74652 | Cert. | Jensen | SE | NW | 16 | 7 | 61 | 1.08 | 0.20 | 0.96 See field sheet for mtr readings, minimal irrigation Permitted Duty 4.32 Ac-Ft/Yr | |
| 74653 | Cert. | Jensen | NW | NW | 16 | 7 | 61 | 1.54 | 1.54 | Pasture grass, Flood Irrigation 12.00 Permitted Duty 12 Ac-Ft/Yr | |
| | | | NE | NE | 17 | | | <u>1.46</u> | <u>1.46</u> | | |
| | | | TOTAL | | | | | 3.00 | 3.00 | | |
| 78582 | Cert. | Jensen | NW | NW | 16 | 7 | 61 | | | 0.00 S/N 44788921 RD - 0651810 - 10/15/21; Pipe disconnected RD - 0651810 - 10/7/22; Pipe disconnected | |
| | | | NE | NE | 17 | | | 1.12 | QM | | |

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS |
|------------|--------|-------------------|--------------|-----|-----|---|----|---------------|------------------|--------------|--|
| | | | QQ | Qtr | Sec | T | R | | | | |
| 78891 | Permit | Prince | N2 | SW | 16 | 7 | 61 | 1.47 | 1.47 | 7.84 | High managed pasture grass, NIWR = 4.0 Meter Broken, notified permittee |
| 79034 | Cert. | Hiko Farms LLC | SE | SE | 13 | 3 | 60 | | | | |
| 79035 | Cert. | Hiko Farms LLC | SW | SE | | | | | | | |
| | | | NE | NE | 24 | | | | | | |
| | | | NW | NE | | | | | | | See field sheet for mtr readings |
| | | | TOTAL | | | | | 25.32 | 25.32 | 68.77 | TCD NTE = 126.6 AFA |
| 79132 | Permit | Whipple Trust | NE | NW | 18 | 6 | 61 | | | | |
| 80873-T | Exp. | | NW | NE | | | | | | | |
| | | | SW | NE | | | | | | | |
| | | | NW | SE | | | | | | | |
| | | | NE | SE | | | | | | | |
| | | | TOTAL | | | | | 54.20 | 25.40 | 90.86 | See field sheet for mtr readings |
| 79197 | Permit | Castaneda, Verona | NW | NE | 17 | 7 | 61 | 0.83 | 0.00 | | New Meter, see field sheet |
| | | | NE | NE | | | | <u>8.55</u> | <u>7.00</u> | | Permitted Duty 37.52 Ac-Ft/Yr |
| | | | TOTAL | | | | | 9.38 | 7.00 | 36.17 | Flood, pasture grass, NIWR = 3.1 |
| 79484 | Cert. | Hiko Hay and | SE | SE | 13 | 3 | 60 | | | | <u>POD 79484 & 79485 (well 5):S/N 1110588</u> |
| 79485 | Cert. | Cattle, LLC | SW | SW | 18 | 3 | 61 | | | | RD - (2)435486 X 0.001 AF - 10/8/21 |
| 80627 | Abr. | | W2 | NW | 19 | | | | | | RD - (2)613071 X 0.001 AF - 10/7/22 |
| 80628 | Abr. | | NW | SW | 19 | | | | | | <u>POD 80627, 81873 & 81874 (well 6):S/N 11106310</u> |
| 81872 | Cert. | | | SE | 24 | 3 | 60 | | | | RD - (6)193025 X 0.001 AF - 10/8/21 |
| 81873 | Cert. | | | NE | 24 | | | | | | RD - (6)681044 X 0.001 AF - 10/7/22 |
| 81874 | Cert. | | | NE | 25 | | | | | | <u>POD 80628, 81874 & 81875 (well 7): S/N 1110628</u> |
| 81875 | Cert. | | | | | | | | | | RD - (4)226353 X 0.001 AF - 10/8/21 |
| 79486 | Cert. | | E2 | SE | 35 | 3 | 60 | | | | RD - (4)744557 X 0.001 AF - 10/7/22 |
| 79487 | Cert. | | W2 | SW | 36 | | | | | | <u>POD 79486 & 79487(well 4):S/N GP11106010</u> |
| 79488 | Cert. | | W2 | NW | 1 | 4 | 60 | | | | RD - (5)187185 X 0.001 AF - 10/8/21 |
| 79489 | Abr. | | NW | SW | 1 | | | | | | RD - (6)185451 X 0.001 AF - 10/7/22 |

Total on Next Page

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS |
|------------|--------|-----------------|--------------|-----|-----|---|----|---------------|------------------|--|---|
| | | | QQ | Qtr | Sec | T | R | | | | |
| 79490 | Cert. | Hiko Hay and | SW | SW | 1 | | | | | <u>POD 79488 (well 3): S/N GP1110598</u> | |
| 81869 | Cert. | Cattle, LLC | E2 | NE | 2 | | | | | RD - (3)041894 X 0.001 AF - 10/8/21 | |
| 81870 | Cert. | Continued | SW | NE | 2 | | | | | RD - (3)433145 X 0.001 AF - 10/7/22 | |
| 81871 | Cert. | | SE | 2 | | | | | | <u>POD 79489 & 81871 (well 2): S/N 141329510</u> | |
| | | | NE | NE | 11 | | | | | RD - (1)410474 X 0.001 AF - 10/8/21 | |
| | | | S2 | NE | 11 | | | | | RD - (1)410474 X 0.001 AF - 10/7/22, meter broken | |
| | | | SE | NW | 11 | | | | | Alfalfa, NIWR = 4.4 | |
| | | | NE | SW | 11 | | | | | NIWR = 2022 pumpage = 593.28 AF | |
| | | | SE | SW | 11 | | | | | <u>POD 79490, 81869 & 81870 (well 1)</u> | |
| | | | NW | SE | 11 | | | | | S/N GP1110576 | |
| | | | SW | SE | 11 | | | | | RD - (1)461887 X 0.001 AF - 10/8/21 | |
| | | | | | | | | | | RD - (1)602714 X 0.001 AF - 10/7/22 | |
| | | | TOTAL | | | | | 300.28 | 300.28 | 3307.44 | Alfalfa and Corn pivots |
| 84387 | Permit | LDS Church | NW | NE | 10 | 5 | 60 | | | | |
| 84388 | Permit | | SE | NE | 10 | | | | | | <u>POD 84387 (middle well) :S/N 160278906</u> |
| 84389 | Permit | | SW | NE | 10 | | | | | | RD - (1)035890 X 0.001 AF - 10/8/21 |
| 28642 | Abr. | | NE | NW | 10 | | | | | | RD - (1)325868 X 0.001 AF - 10/7/22 |
| 35256 | Abr. | | SE | NW | 10 | | | | | | <u>POD 84388 (little well) :S/N 160529203</u> |
| 52120 | Abr. | | NW | SE | 10 | | | | | | RD - (4)985480 X 0.0001 AF - 10/8/21 |
| | | | NE | SW | 10 | | | | | RD - (5)843332 X 0.0001 AF - 10/7/22 | |
| | | | | | | | | | | <u>POD 84389 (back well) :S/N 160278806</u> | |
| | | | | | | | | | | RD - 567341 X 0.001 AF - 10/8/21 | |
| | | | TOTAL | | | | | 162.68 | 162.68 | 549.20 | RD - 701883 X 0.001 AF - 10/7/22 |
| 85332 | Cert. | Biggs | NE | SW | 16 | 7 | 61 | 1.91 | 1.00 | 2.85 Permitted Duty 4.83 Ac-Ft/Yr See field sheet for mtr readings | |

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2022**

| APP NUMBER | STATUS | OWNER OF RECORD | PLACE OF USE | | | | | ACRES OR DUTY | ACRES IRR OR USE | USED (A/F) | REMARKS |
|---------------|--------|--------------------------------|--------------|-----|-----|---|----|------------------|---------------------|-----------------|--|
| | | | QQ | Qtr | Sec | T | R | | | | |
| 88309 | Permit | Kent Whipple Ranch, LLC | | SE | 18 | 6 | 61 | 4.90 | STK | 0.00 | Well Disconnected, 10/20/22 No field sheet |
| 88310 | Permit | Whipple Cattle Company Inc. | SW | SE | 01 | 6 | 60 | 4.90 | STK | 4.90 | No field sheet, several head of cattle No meter, 10/20/22 |
| | | | | | | | | | | | |
| | | | | | | | | | TOTAL | 5,674.84 | Permitted rights |
| | | | N2 | | 14 | 4 | 60 | 0.00 | 20.00 | 103.53 | Alfalfa, NIWR = 4.4 |
| | | | | | | | | | TOTAL | 103.53 | Non-permitted use |

Verified with field notes: Christi Cooper

**APPENDIX B. PAHRANAGAT VALLEY 2022 GROUNDWATER PUMPAGE FIELD
NOTES**

2022

Pahranagat Valley
No. 209

Inventory Field Notes

Compiled by:
Christi Cooper & Steven Martinez

State of Nevada
Division of Water Resources
Southern Nevada Branch Office

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 19475

WELL: YES NO

METER SER NO: 05025504

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 585557 * .0001 AF

PHOTO: YES NO

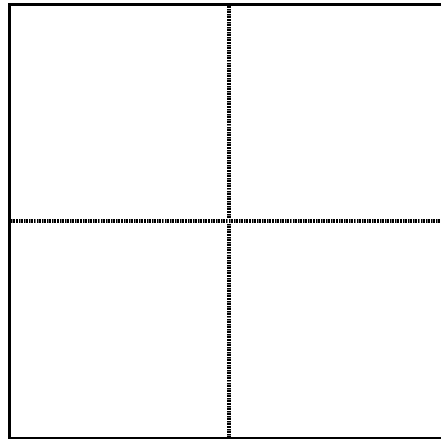
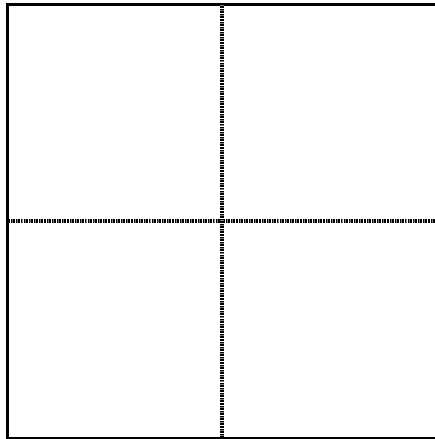
ACRES IRR: 0.0

BENEFICIAL USE: YES NO PORTION ALL TYPE _____

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Domestic use. 1 house, minimal lawn, few cows.

Same meter reading as 2020, meter broken.

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 25906, 25907 & 25913

WELL: YES NO METER SER NO: _____

PUMP: YES NO PUMP TYPE: Submersible

MOTOR: YES NO MOTOR TYPE: _____

METER: YES NO METER READ: _____

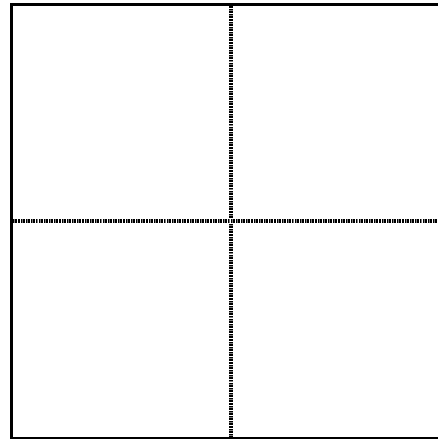
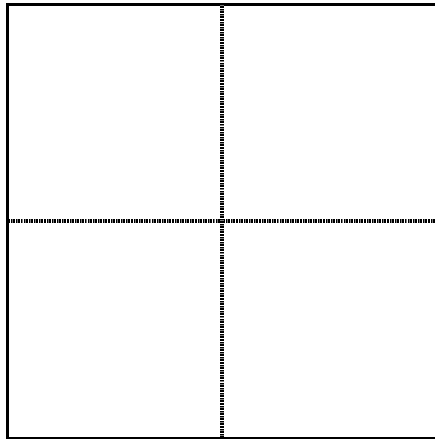
PHOTO: YES NO ACRES IRR: 0.0

BENEFICIAL USE: YES NO PORTION ALL TYPE _____

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Property manager confirmed minimal use of wells due to no demand.

POD 25906 & 25907 (South well): S/N 180628604; RD 60842100 on 10/8/21, RD 60842700 on 10/7/22

POD 25913 (North well): used as back up well; S/N 21-00618-04, RD 0 (zero) on 10/8/21, new meter

RD 00016400 on 10/7/22

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 26638

WELL: YES NO

METER SER NO: 13-06029-06

PUMP: YES NO

PUMP TYPE: Straight shaft

MOTOR: YES NO

MOTOR TYPE: Electric

METER: YES NO

METER READ: (1)098927 x 0.001 AF

PHOTO: YES NO

ACRES IRR: 35.00

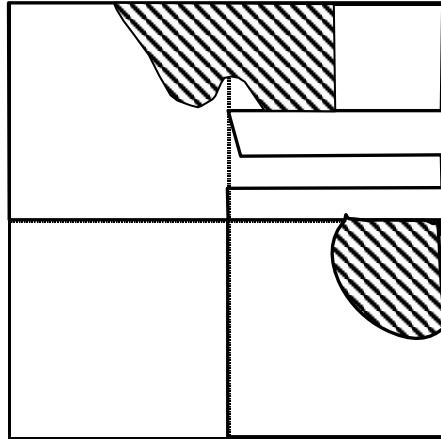
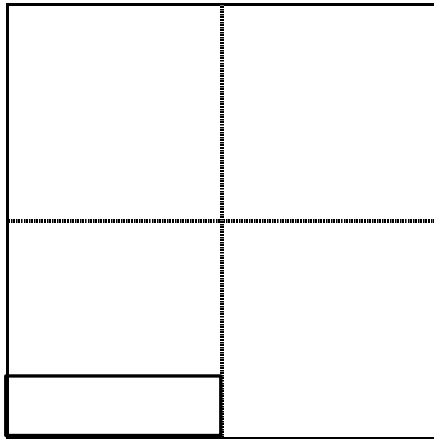
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

1/4 SE 1/4 SEC 8

1/4 NE 1/4 SEC 17



REMARKS: Acreage irrigated depicted above from well water.

Alfalfa.

SIGNATURE: Christi Cooper

DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 28296

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: 7.46

BENEFICIAL USE: YES NO

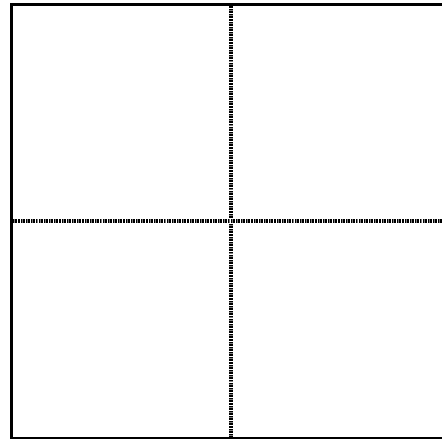
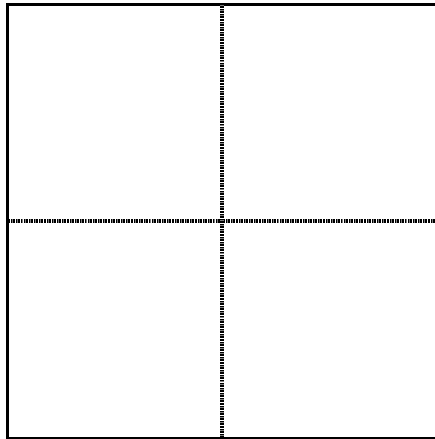
PORTION ALL

TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: No meter. Well used 25% of time, surface water used to irrigate rest.

Spoke with farm caretaker.

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

**32354, 35054,
35055, 70990,
72770 thru 72772**

BASIN NO: 209 PERMIT NO: _____

WELL: YES NO _____ METER SER NO: _____

PUMP: YES NO _____ PUMP TYPE: Straight shaft

MOTOR: YES NO _____ MOTOR TYPE: Electric

METER: YES NO _____ METER READ: See Remarks

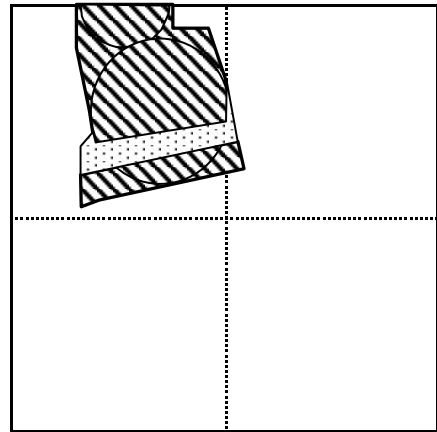
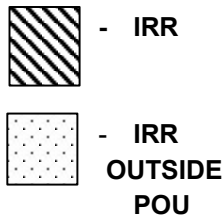
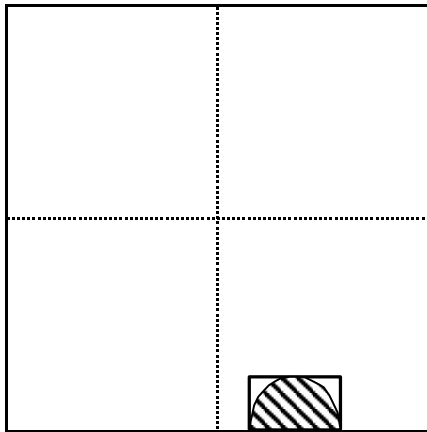
PHOTO: YES _____ NO ACRES IRR: 95.0

BENEFICIAL USE: YES NO _____ PORTION ALL _____ TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC 11

 1/4 1/4 SEC 14



REMARKS: Approximately 20 acres irrigated outside POU. Alfalfa and corn pivots.

72770 & 72772 (South Well):SN 140142406;RD (5)74116800 - 10/7/22

POD 35055 (Middle Well):SN 997453-04;RD (4)45500800 - 10/7/22, line T's off before meter, well pumping

POD 32354 & 35054 (North Well):SN 2007095306;RD 501807000 - 10/7/22

SIGNATURE: Christi Cooper DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 35453

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: 28.0

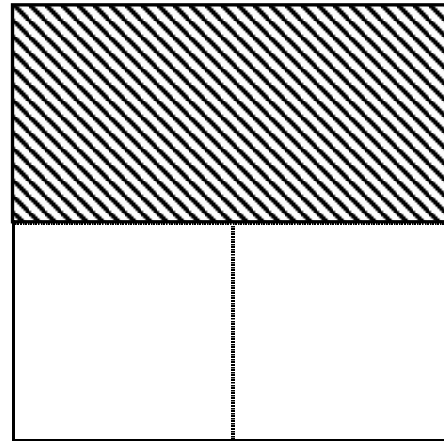
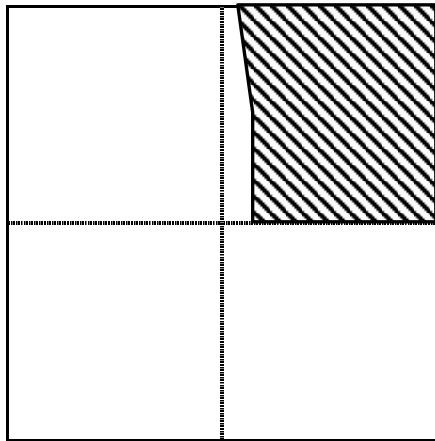
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NW 1/4 SW 1/4 SEC 32

NE 1/4 SW 1/4 SEC 32



REMARKS: Pasture grass. Water used to supplement surface water on a portion, cows.

Credit @ 2.5 ac-ft/ac on supplemented portion

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 35739

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Straight shaft

MOTOR: YES NO

MOTOR TYPE: Electric

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: 29.0

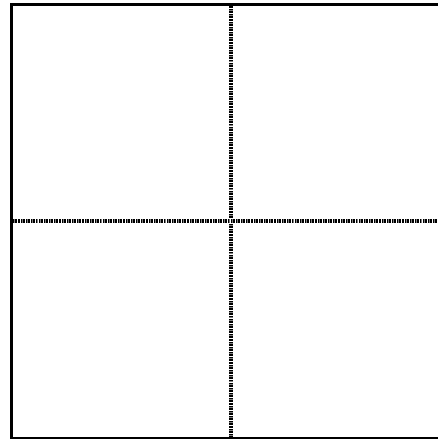
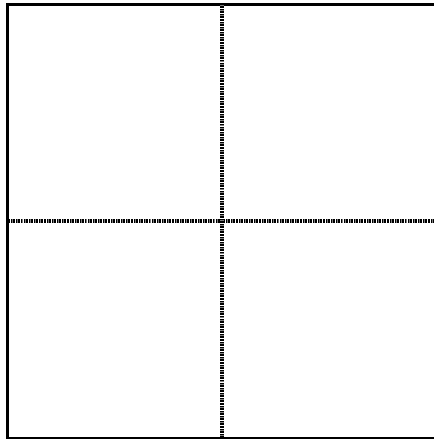
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: POU possibly irrigated with surface water - power meter for well removed.

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 45759 & 52013

WELL: YES NO

METER SER NO: 08-07757-06

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: Electric

METER: YES NO

METER READ: (1)263291 * .001 AF

PHOTO: YES NO

ACRES IRR: 55.20

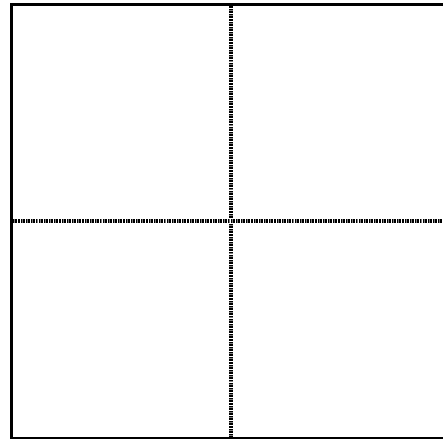
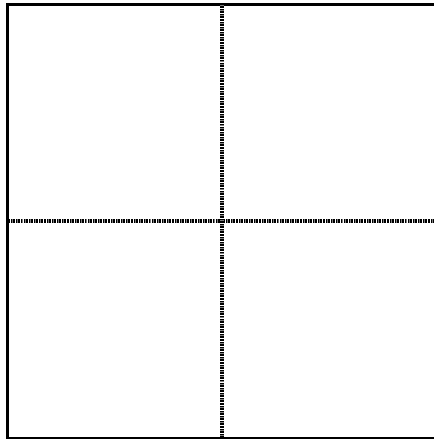
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Meter reads in acre-feet. Monitor well location.

Uncertain on acreage irrigated from surface water source. Wheel line alfalfa.

SIGNATURE: Christi Cooper

DATE: 10/7/2022

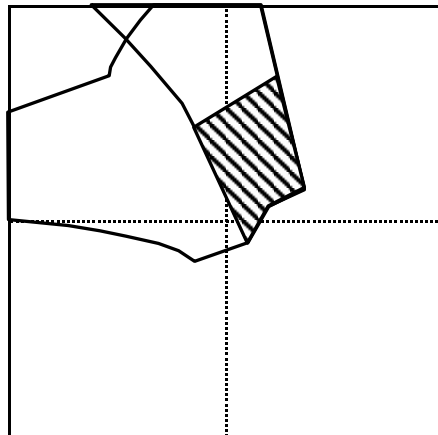
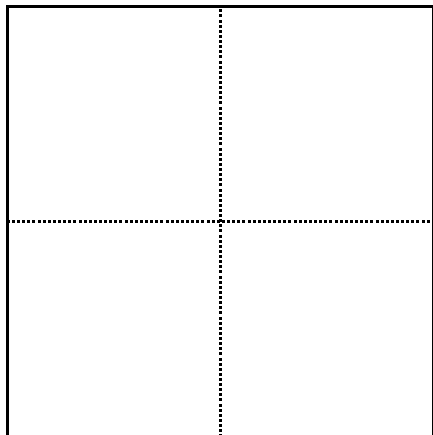
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 48333, 78099 & 91554T
 WELL: YES X NO METER SER NO: see remarks
 PUMP: YES X NO PUMP TYPE: Submersible
 MOTOR: YES NO X MOTOR TYPE:
 METER: YES X NO METER READ:
 PHOTO: YES NO X ACRES IRR: 8.0
 BENEFICIAL USE: YES X NO PORTION X ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

SW 1/4 NE 1/4 SEC 32



REMARKS: Permit 48333 S/N 60931321, meter in field on hill behind big box
RD 21997900 gal 10/16/20, RD 24120800 gal 10/15/21, RD 27004300 gal 10/20/22
Permit 78009 S/N ET4BP768, meter at well down hill behind home
RD 54285700 gal 10/16/20, RD 61998000 gal 10/15/21, RD 693452000 gal 10/20/22

SIGNATURE: Christi Cooper DATE: 10/20/2022

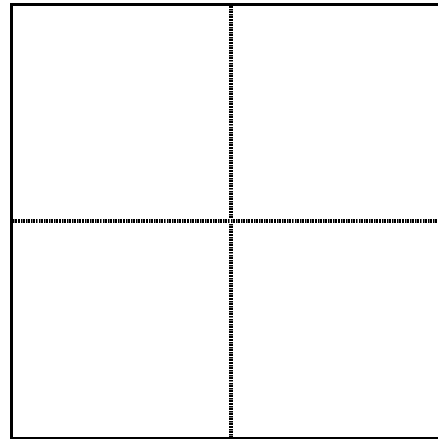
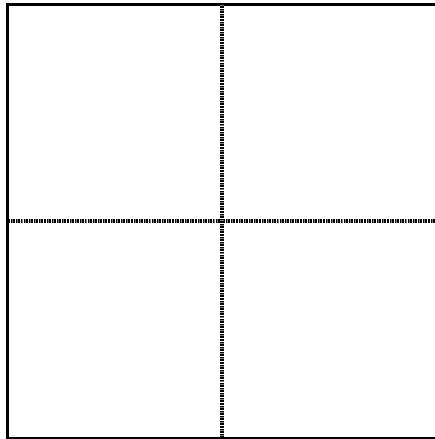
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 48913
WELL: YES X NO METER SER NO: 8928778
PUMP: YES X NO PUMP TYPE: Submersible
MOTOR: YES NO X MOTOR TYPE:
METER: YES X NO METER READ: 12014000
PHOTO: YES NO X ACRES IRR: 0.93
BENEFICIAL USE: YES X NO PORTION X ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Elster meter next to pumphouse. Grape vines, lawn for house

Master Meter S/N 8928778; RD - 03391900 gal on 10/12/18

RD - 07229400 gal on 10/11/19, RD - 10388000 gal on 10/16/20

RD - 11070400 gal on 10/15/21

SIGNATURE: Christi Cooper

DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 53698

WELL: YES NO

METER SER NO: 62254796

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: (1)68572200

PHOTO: YES NO

ACRES IRR: 5.0

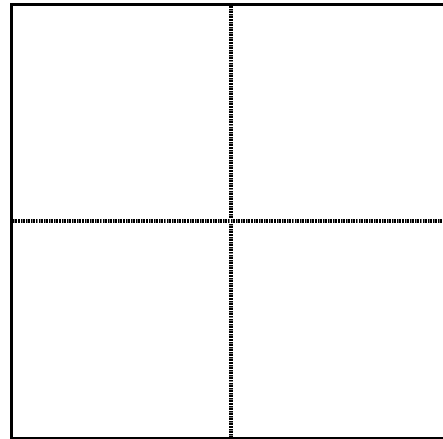
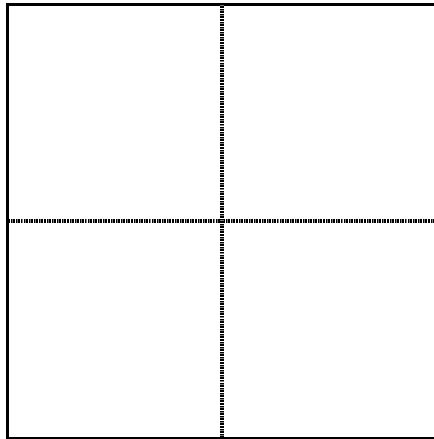
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: 5.0 acres of lawn, pasture and garden with one log home, using sprinklers.

SIGNATURE: Christi Cooper

DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 55918

WELL: YES NO

METER SER NO: 090207704

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 0295631000

PHOTO: YES NO

ACRES IRR: 23.0

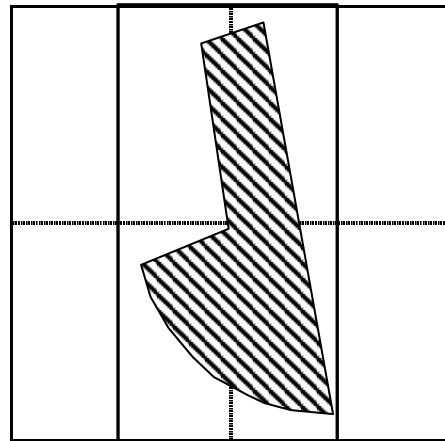
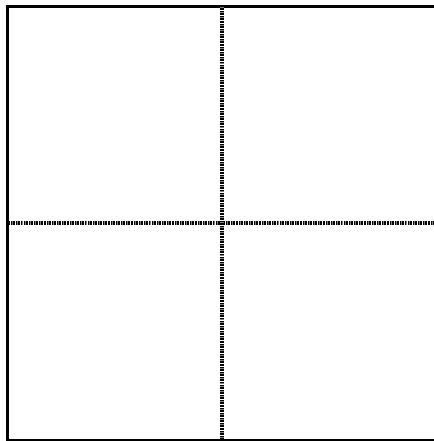
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 SE 1/4 SEC 18



REMARKS: Alfalfa.

RD - 0171782000 gal on 10/20/17, RD - 0189217000 gal on 10/12/18

RD - 0203066000 gal on 10/11/19, RD - 0229731000 on 10/16/20

RD - 0264051000 gal on 10/8/21

SIGNATURE: Christi Cooper

DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 55919

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: _____

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

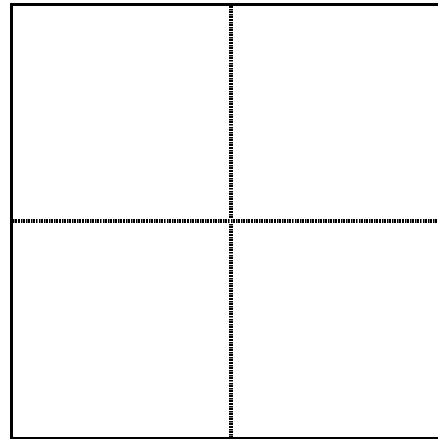
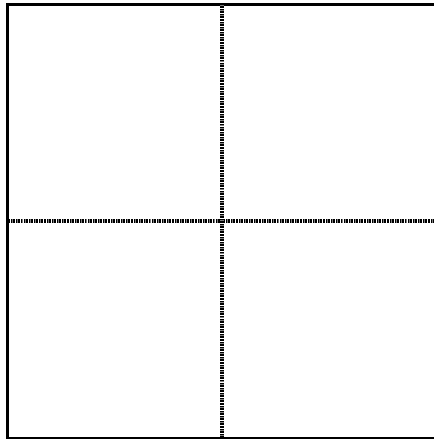
ACRES IRR: 0.0

BENEFICIAL USE: YES NO PORTION ALL TYPE _____

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

1/4 1/4 SEC

1/4 1/4 SEC



REMARKS: WNV; well never drilled per conversation with permittee.

SIGNATURE: Christi Cooper

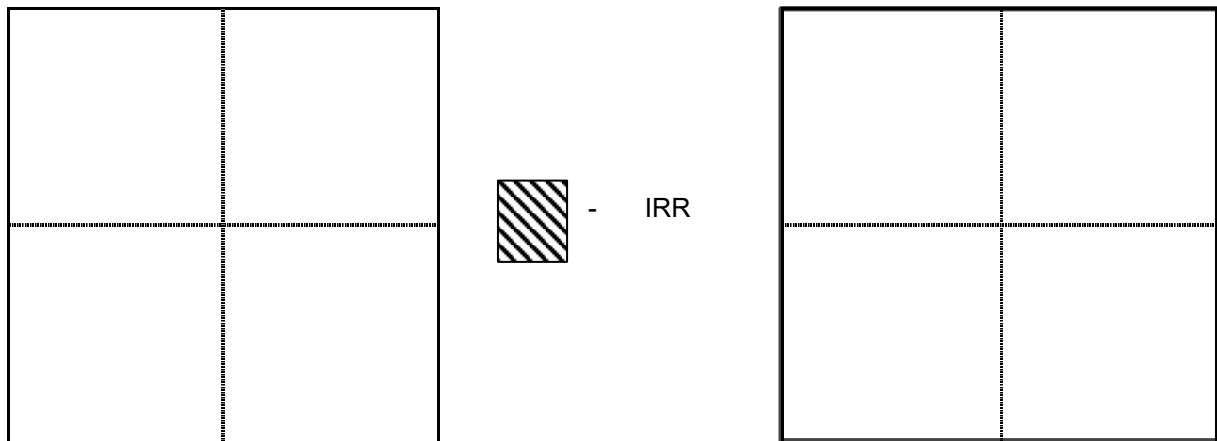
DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 55920
 WELL: YES NO METER SER NO: 09-02076-04
 PUMP: YES NO PUMP TYPE: Submersible
 MOTOR: YES NO MOTOR TYPE: _____
 METER: YES NO METER READ: 0012131000
 PHOTO: YES NO ACRES IRR: 5.0
 BENEFICIAL USE: YES NO PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC NE 1/4 SE 1/4 SEC 19



REMARKS: Hemp greenhouse not in operation.

POD possibly used to irrigate acreage north of greenhouse.

RD - 0003313000 gal on 10/12/18, RD - 0005973000 gal on 10/11/19

RD - 0006326000 gal on 10/16/20, RD - 0008800000 gal on 10/15/21

SIGNATURE: Christi Cooper DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 59308

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: _____

BENEFICIAL USE: YES NO

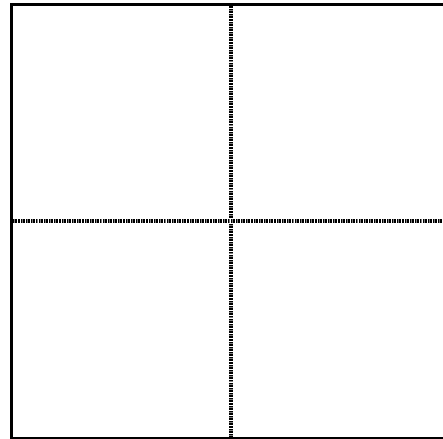
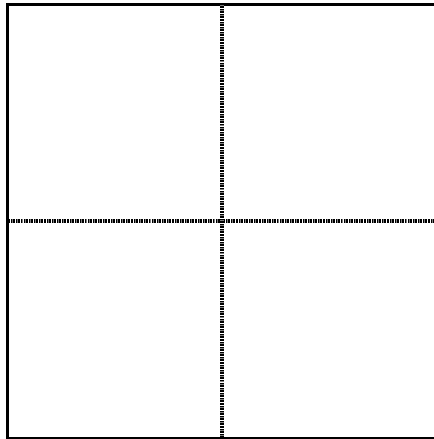
PORTION ALL

TYPE Stockwater

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Several head of cattle. No meter. Well in shed.

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 61880

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

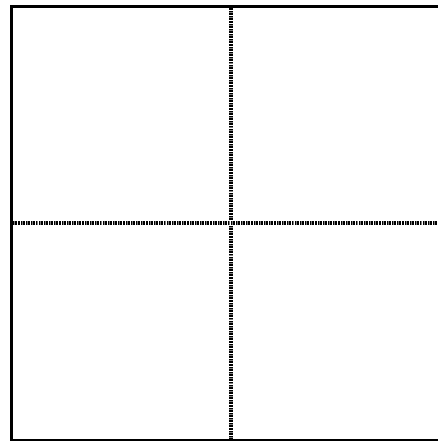
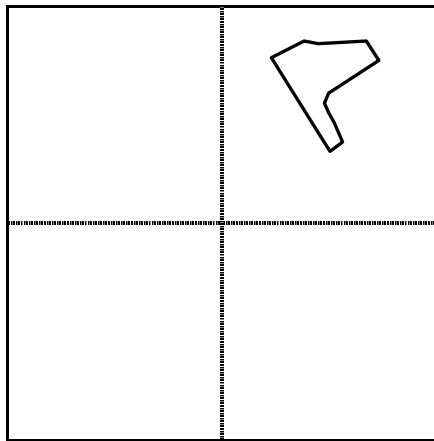
ACRES IRR: 0.00

BENEFICIAL USE: YES NO PORTION ALL TYPE _____

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NE 1/4 SW 1/4 SEC 16

____ 1/2 ____ 1/4 SEC ____



REMARKS: Forfieted 09-03-2013. Same POD as Permit 56364.

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 62439 & 62440

WELL: YES NO

METER SER NO: See Remarks

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: See Remarks

PHOTO: YES NO

ACRES IRR: _____

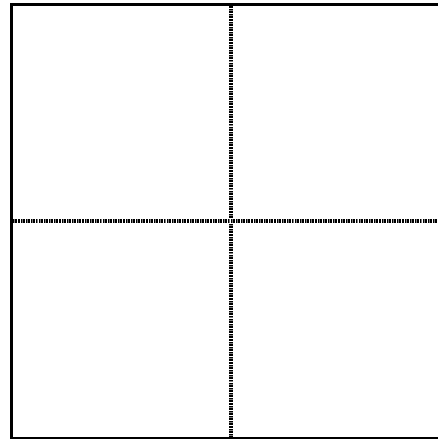
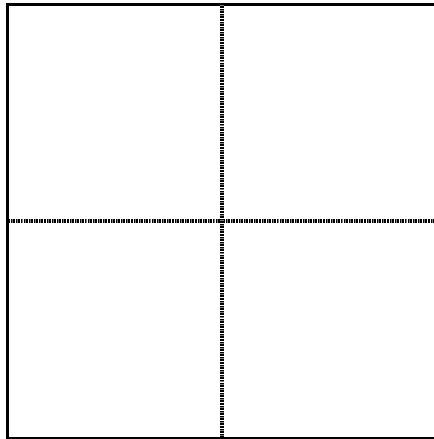
BENEFICIAL USE: YES NO

PORTION ALL TYPE Wildlife

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Trees and ponds. South well meter is approx. 50 feet east of wellhead

POD 62439 North well (well No. 2): S/N 94416215, RD- (1)21211000 - 10/20/22

POD 62440 South well (well No. 1): S/N 133159, RD- (1)07883800 - 10/20/22

Standpipe line for water trucks bypasses meter on south well

SIGNATURE: Christi Cooper

DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 62864, 68334, 88750 & 88751

WELL: YES NO METER SER NO: _____

PUMP: YES NO PUMP TYPE: Submersible

MOTOR: YES NO MOTOR TYPE: _____

METER: YES NO METER READ: _____

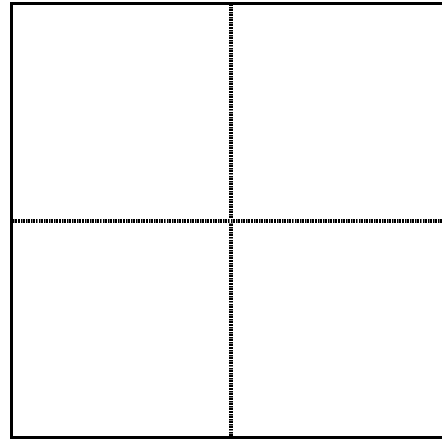
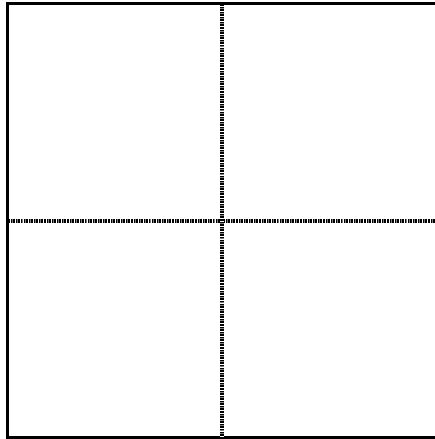
PHOTO: YES NO ACRES IRR: 16.52

BENEFICIAL USE: YES NO PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: POD 68334 & 88750 : replacement well drilled (log 131600) No meter.

POD 62864 & 88751: Well Not Visible.

High managed pasture grass, wheel line.

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 70505

WELL: YES NO

METER SER NO: 71081638

PUMP: YES NO

PUMP TYPE: _____

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 58781400

PHOTO: YES NO

ACRES IRR: 1.37

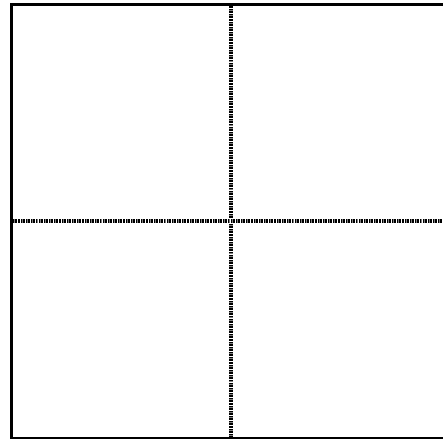
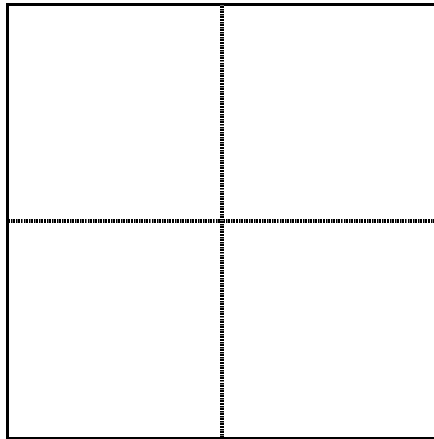
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: RD - 45285000 gal - 10/12/17; RD 48175800 gal on 10/12/18

RD - 51159900 gal on 10/11/19, RD - 54096100 gal on 10/23/20

RD - 56518600 gal on 10/8/21

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 74652

WELL: YES NO

METER SER NO: 772352

PUMP: YES NO

PUMP TYPE: _____

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 13547100

PHOTO: YES NO

ACRES IRR: 0.2

BENEFICIAL USE: YES _____

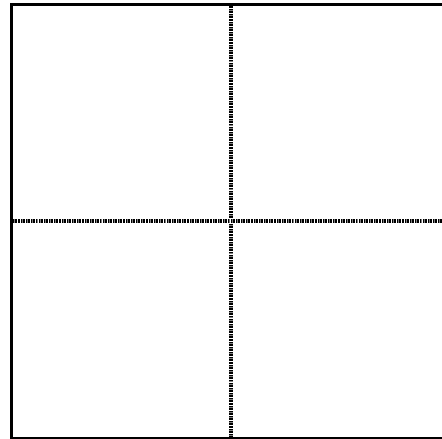
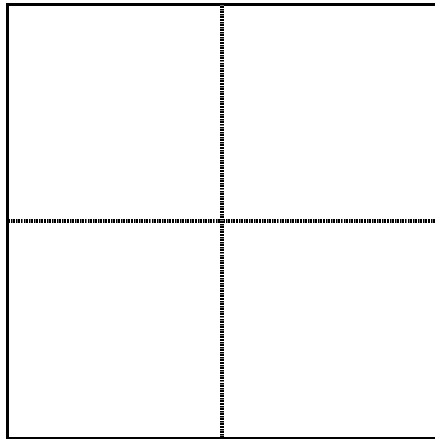
PORTION ALL

TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Well east of house; Sprinklers, minimal irrigation.

RD - 12646400 gal - 10/11/19, RD 13002500 gal - 10/16/20

RD - 13234400 gal - 10/8/21

SIGNATURE: Christi Cooper

DATE: 10/20/2022

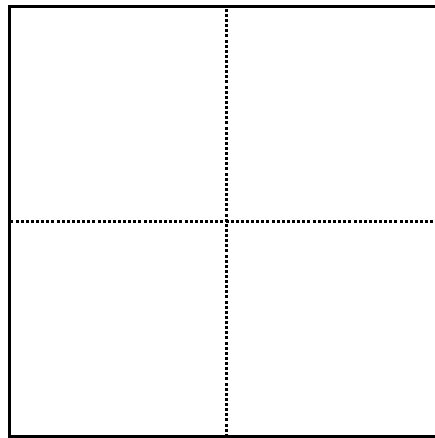
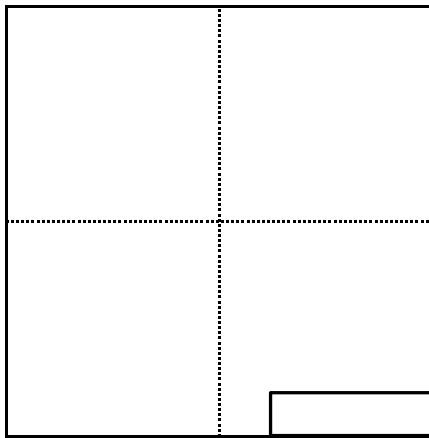
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 74653 & 78582
 WELL: YES X NO _____ METER SER NO: see remarks
 PUMP: YES X NO _____ PUMP TYPE: _____
 MOTOR: YES _____ NO X MOTOR TYPE: _____
 METER: YES X NO _____ METER READ: _____
 PHOTO: YES _____ NO X ACRES IRR: 3.00
 BENEFICIAL USE: YES X NO _____ PORTION _____ ALL X TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NE 1/4 NE 1/4 SEC 17

NW 1/4 NW 1/4 SEC 16



REMARKS: Well has 2 meters. POD 74653 for Irrigation POD 78582 for QM use.

POD 74653 S/N 10-005402; RD 13268900 on 10/11/19; RD 14311600 on 10/16/20

RD 14311600 on 10/15/21, Meter removed 10/7/22, well used for irrigation per caretaker.

POD 78582: S/N 44788921; RD 0651810 gal on 10/11/19, 10/16/20 & 10/15/21, pipe disconnected.

SIGNATURE: Christo Cooper

DATE: 10/7/2022

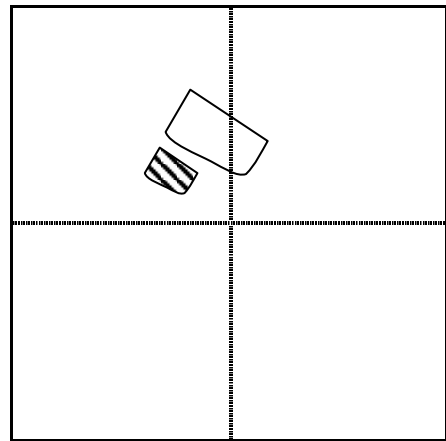
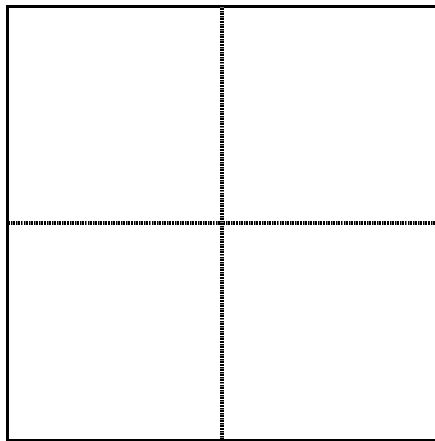
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 78891
 WELL: YES X NO METER SER NO: 47281155
 PUMP: YES X NO PUMP TYPE: Submersible
 MOTOR: YES NO X MOTOR TYPE:
 METER: YES X NO METER READ: 21732000
 PHOTO: YES NO X ACRES IRR: 1.47
 BENEFICIAL USE: YES X NO PORTION X ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 SW 1/4 SEC 16



REMARKS: RD - 20539000 on 10/20/16; RD - 21035600 on 10/20/17;

RD - 21283500 on 10/12/18; RD - 21414100 on 10/11/19, RD 21720300 on 10/16/20

Meter broken in 2021 & 2022, notified permittee.

High managed pasture grass, meter in beige shed.

SIGNATURE: Christi Cooper

DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79034 & 79035

WELL: YES NO

METER SER NO: 11-00769-04

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: (4)692703 * .0001 AF

PHOTO: YES NO

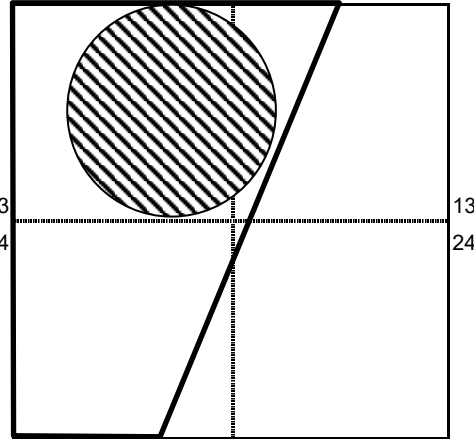
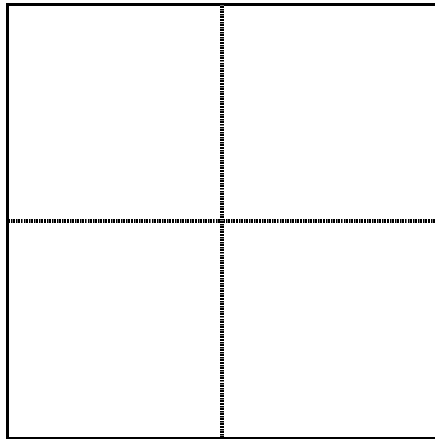
ACRES IRR: 25.32

BENEFICIAL USE: YES NO PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

S2 1/4 SE 1/4 SEC 13
N2 1/4 NE 1/4 SEC 24



REMARKS: Alfalfa pivot; Meter reads in AF X 0.0001

RD (1)776730 on 10/12/17; RD (2)393734 on 10/12/18; RD (2)908018 on 10/11/19

RD (3)131948 on 10/23/20; RD (4)004955 on 10/8/21

SIGNATURE: Christi Cooper

DATE: 10/7/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79132 & 80873-T

WELL: YES NO

METER SER NO: 090207504

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 0380652000

PHOTO: YES NO

ACRES IRR: 25.4

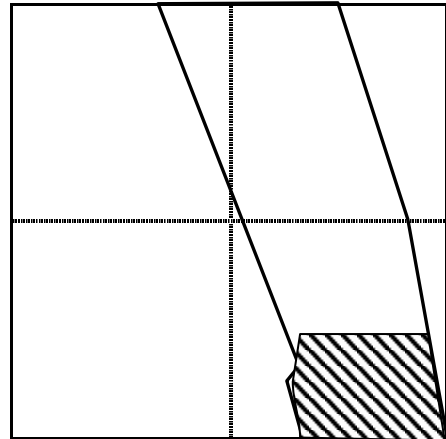
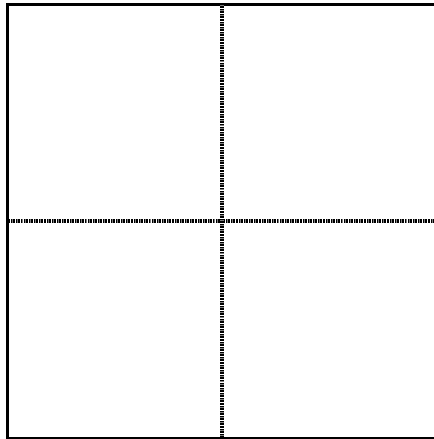
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 E 1/2 NW 1/4 SEC 18
 W 1/2 NE 1/4 SEC 18



REMARKS: RD - 0168866000 gal on 10/12/17; RD - 0245635000 on 10/12/18

RD - 0283075000 on 10/11/19; RD - 0316956000 on 10/16/20; RD - 0351044000 on 10/8/21

SIGNATURE: Christi Cooper

DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79197

WELL: YES NO

METER SER NO: 17120441

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 0000100

YES NO

ACRES IRR: 7.00

BENEFICIAL USE: YES NO

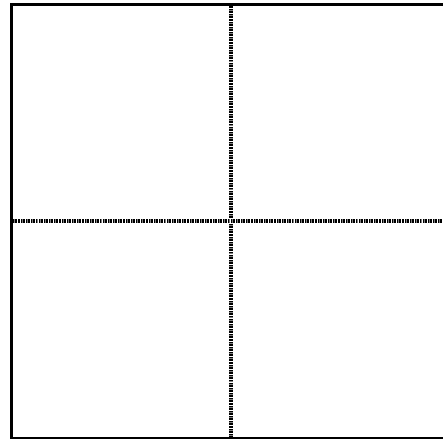
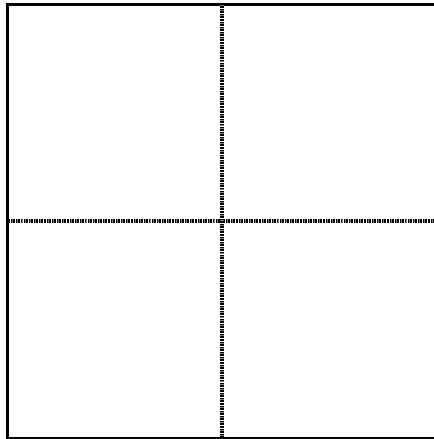
PORTION ALL

TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: New meter, PRM S/N 17120441, RD - 0000100 gal

SIGNATURE: Christi Cooper

DATE: 10/20/2022

PUMPAGE INVENTORY FIELD REPORT

79486, 79487, 79488
79490, 81869,
81870 & 81871

BASIN NO: 209

PERMIT NO: _____

WELL: YES X NO _____

METER SER NO: See Remarks

PUMP: YES X NO _____

PUMP TYPE: Straight shaft

MOTOR: YES X NO _____

MOTOR TYPE: Electric

METER: YES X NO _____

METER READ: See Remarks

PHOTO: YES _____ NO X

ACRES IRR: see field sheet 79484

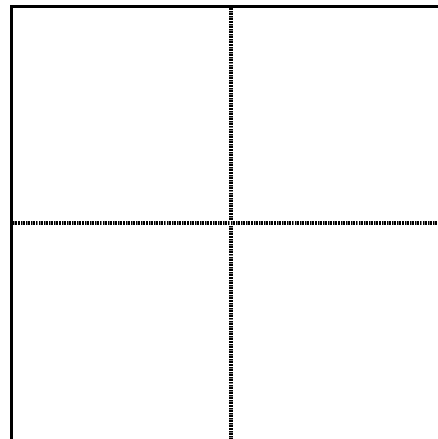
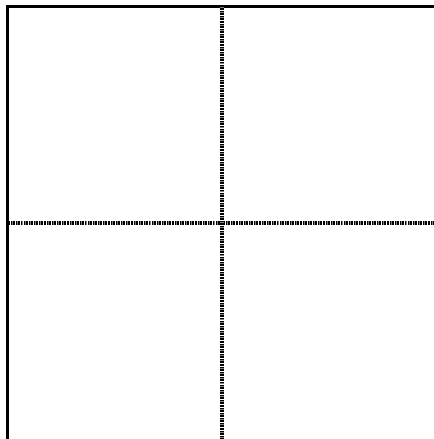
BENEFICIAL USE: YES X NO _____

PORTION _____ ALL X TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

_____ 1/4 _____ 1/4 SEC _____

_____ 1/4 _____ 1/4 SEC _____



REMARKS: POD 79486 & 79487: S/N GP11-1060-10; RD - (6)185451 x 0.001 AF

POD 79488: S/N GP11-1059-8; RD - (3)433145 x 0.001 AF

POD 79489 & 81871: S/N 14-13295-10; RD - (1)410474 x 0.001 AF, mtr broken

POD 79490, 81869 & 81870: S/N GP11-1057-6; RD - (1)602714 x 0.001 AF

SIGNATURE: Christi Cooper

DATE: 10/7/2022

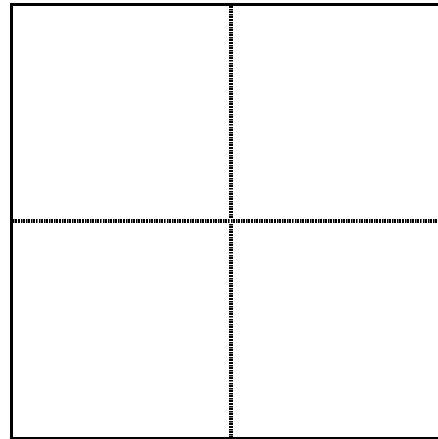
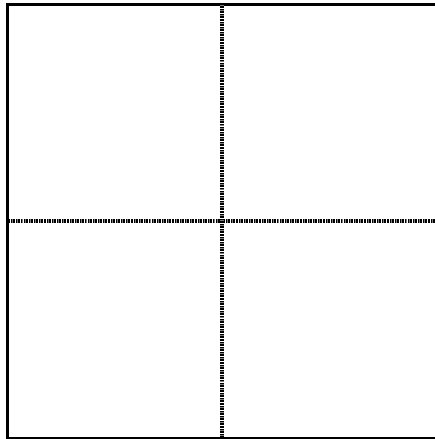
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 85332
WELL: YES X NO METER SER NO: 70807806
PUMP: YES X NO PUMP TYPE: Submersible
MOTOR: YES NO X MOTOR TYPE:
METER: YES X NO METER READ: 17166400
PHOTO: YES NO X ACRES IRR: 1.0
BENEFICIAL USE: YES X NO PORTION X ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Dust control for arenas, sprinkler line for smaller pasture.

RD 09554800 gal on 10/20/16; RD 10918200 on 10/20/17

RD 12259000 gal on 10/12/18; RD 13468800 on 10/11/19; RD 14759200 on 10/16/20

RD 16237200 gal on 10/8/21

SIGNATURE: Christi Cooper

DATE: 10/20/2022