

**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 2021**

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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 2021 (October 1, 2020 through September 30, 2021). 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 2021, the committed water resource totaled 10,994 acre-feet, with estimated pumpage of approximately **5,149 acre-feet**. This figure includes an estimated 127 acre-feet pumped from exempt domestic wells.

Irrigation is the largest manner of use within the basin. For water year 2021, pumpage for irrigation totaled 4,512 acre-feet, with appropriations of 7,448 acre-feet. The second largest manner of use was municipal, with pumpage totaling 442 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 2021	5,149 <sup>1</sup>	
STATE ENGINEER'S ORDERS		
<a href="#"><u>NO. 1199 – DESIGNATION</u></a>	DATE: APRIL 20, 2009	
COMMITTED GROUNDWATER RESOURCE <sup>2,3</sup> : 10,994 ACRE-FEET	DATE: SEPTEMBER 2021	
COMMERCIAL ..... 39	DOMESTIC ..... 254	IRRIGATION ..... 7,448
MUNICIPAL ..... 1,089	QUASI-MUNICIPAL ..... 2	STOCKWATER ..... 70
WILDLIFE ..... 2,092		

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<sup>1</sup> Includes pumpage by exempt domestic wells, as defined by NRS 534.013.

<sup>2</sup> Committed groundwater resource data are accurate for September 2021. Manner of use category totals vary over time, as rights are not necessarily 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 those portions that have been relinquished in support of domestic wells. A query of the NDWR Well Log Database indicates that 127 domestic wells existed in the basin during water year 2021. This query is assumed to represent both appropriations and exempt domestic wells. The committed domestic water resource is considered to be 2 acre-feet per domestic well, or 254 acre-feet annually.

<sup>3</sup> 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 Pahranaagat Valley for water year 2021. This report estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, claims of vested right, as well as the amount pumped by exempt domestic wells within the basin.

## **DESCRIPTION OF THE STUDY AREA**

Pahranaagat 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. Pahranaagat Valley is bounded on the west by the Mount Irish and Pahranaagat 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 Pahranaagat 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 Pahranaagat 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 Pahranaagat (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 in Pahranaagat Valley have been measured by NDWR semi-consistently since the mid 1960s and then consistently since the mid 1980s. Data for actively monitored well sites (Figure 2) can be found on NDWR's website at <http://water.nv.gov/WaterLevelData.aspx>, or via the Nevada Hydrology Data Mapping Application, accessible at <http://water.nv.gov/mapping.aspx>. Groundwater level data are also collected by the USGS and 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 use:

- Where totalizing meters were in place, meter readings were taken and compared with previous data (if available).
- Where meters were not in place and the 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 associated with the certificate (if the water right was perfected), permit or claim, 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 exempt domestic wells in the basin was determined by a query of the NDWR Well Log Database. The amount of water pumped by exempt domestic wells is estimated to be 1 acre-foot per well in Pahrangat Valley, or 127 acre-feet.

## TABLES

Table 1. Pahrnagat Valley historical pumpage (acre-feet) by water year.

<b>YEAR</b>	<b>COM</b>	<b>DOM</b>	<b>IRR</b>	<b>MUN</b>	<b>QM</b>	<b>STK</b>	<b>WLD</b>	<b>TOTAL</b>
<b>2017</b>	42	121	4,290	283	2	12	68	4,818
<b>2018</b>	40	120	4,082	303	3	12	0	4,560
<b>2019</b>	36	120	4,277	283	2	22	0	4,740
<b>2020</b>	43	125	3,883	292	2	22	7	4,374
<b>2021</b>	37	127	4,512	442	2	22	7	5,149

# FIGURES

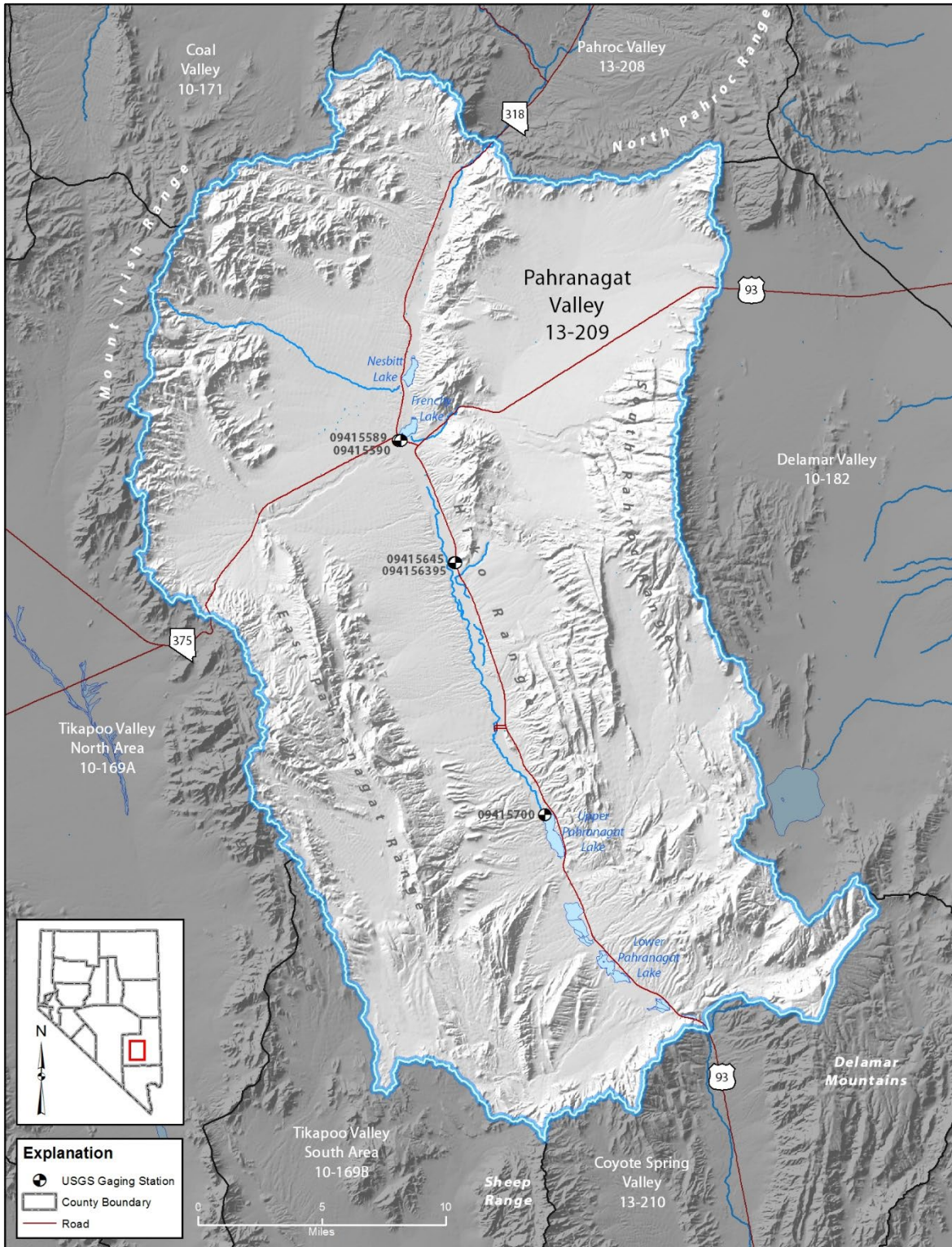


Figure 1. Physiographic map of Pahrnagat Valley (Hydrographic Basin 13-209).



Figure 2. Pahranaagat Valley groundwater level measurement sites.

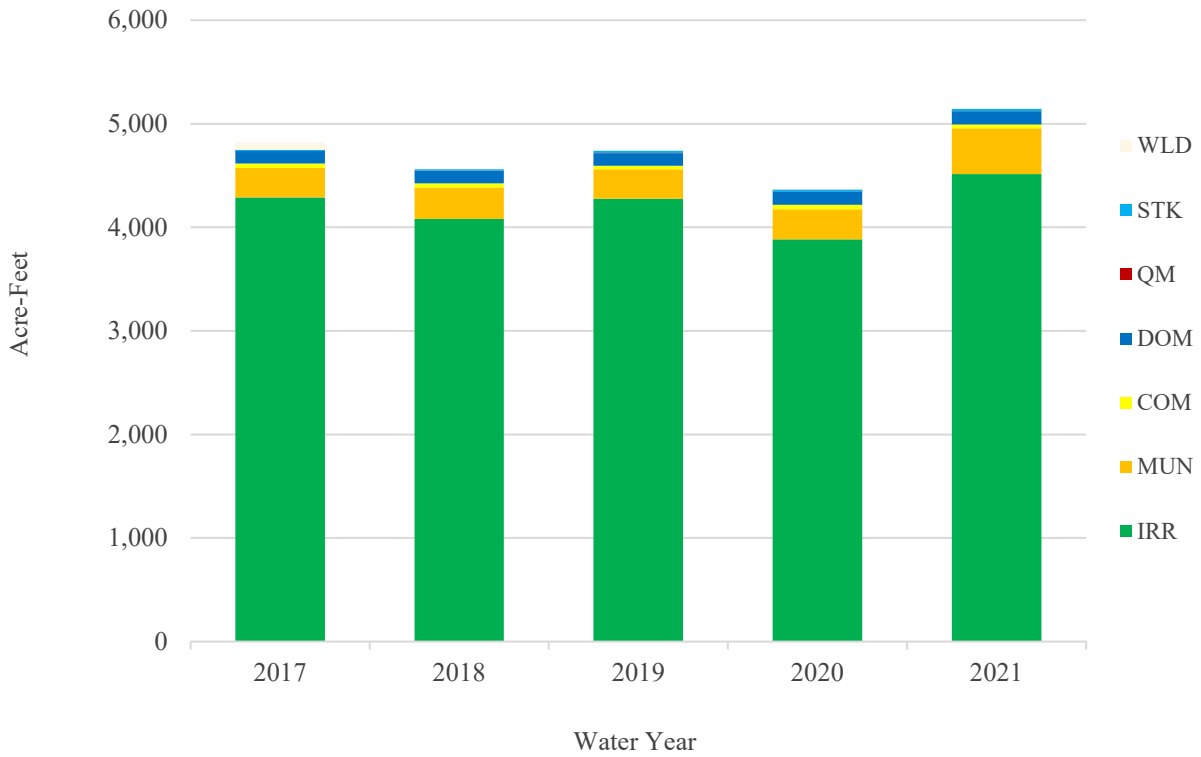


Figure 3. Pahrnagat Valley historical pumpage by manner of use.

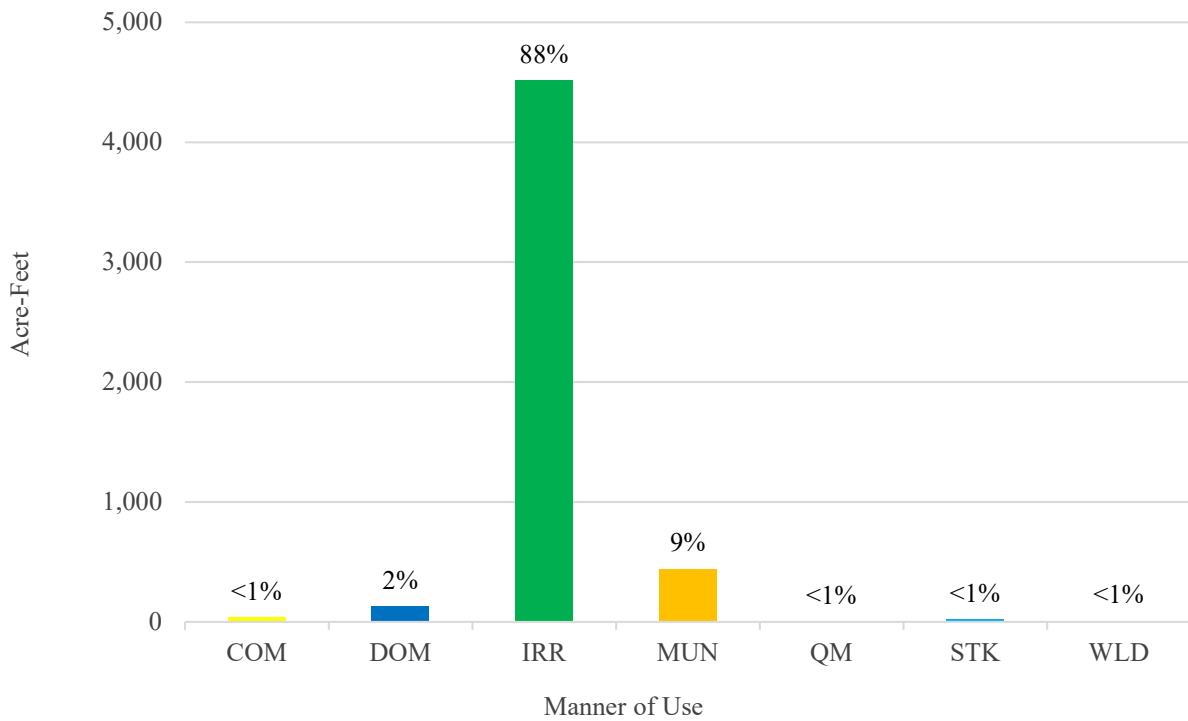


Figure 4. Percentage of 2021 groundwater pumpage by manner of use.

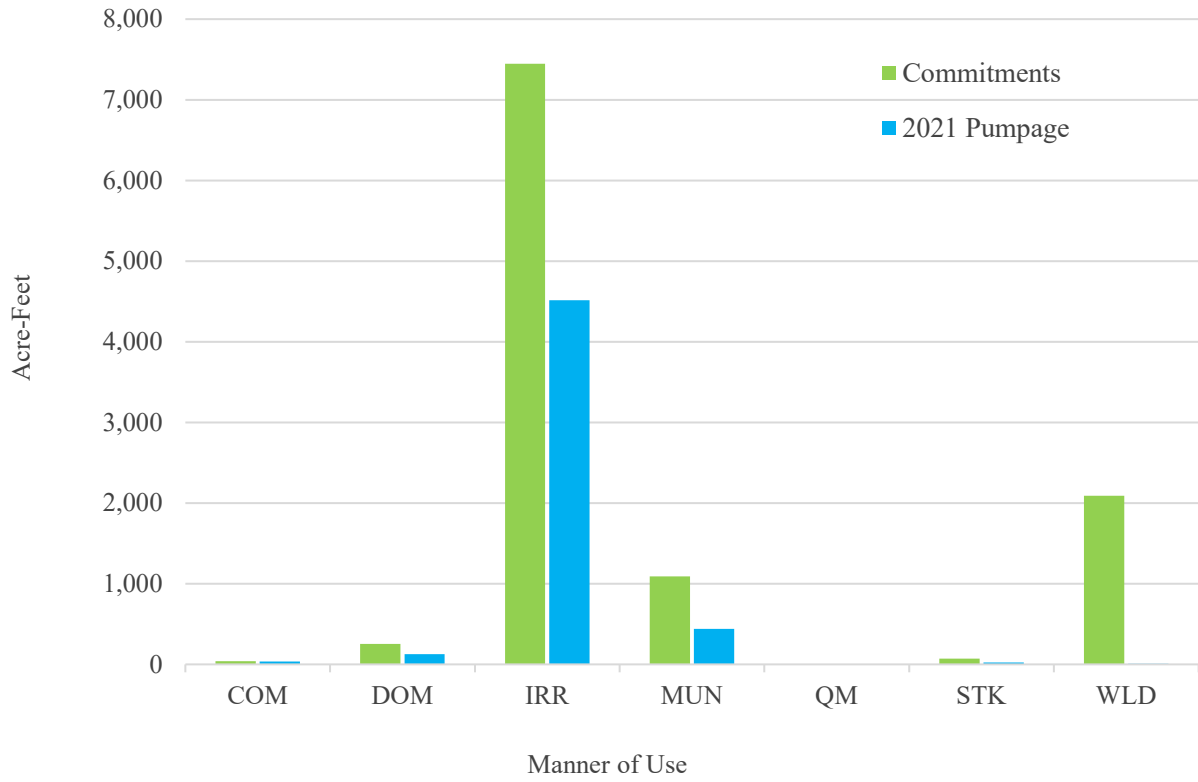


Figure 5. Comparison between 2021 groundwater commitments and estimated pumpage.

**APPENDIX A. PAHRANAGAT VALLEY 2021 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 - 2021**

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.	Floyd Lamb	NW	SE	24	8	61	11.88	STK	<b>0.00</b> WNV, actual source TBD	
V03155	Vst.	Buckhorn Ranch	NW	SE	24	8	61	11.88	STK	<b>0.00</b> WNV, actual source TBD	
V03160	Vst.	Buckhorn Ranch	NW	SE	24	8	61	11.88	STK	<b>0.00</b> WNV, actual source TBD	
V03161	Vst.	Floyd Lamb	SE	SE	32	8	62	11.88	STK	<b>0.00</b> WNV, actual source TBD	
V08964	Vst.	Robinson, Elwyn	NE	SE	21	7	61	0.68	STK	<b>0.00</b> WNV, actual source TBD	
12898	Cert.	Alamo Water & Sewer			1	6	60	1089.10	MUN	<b>441.79</b> <u>POD 12898: S/N 822412 Well 5</u>	
30161	Abr.				12						RD - 3618180 - 10/14/21 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 - 10/14/21, well not in use
54514	Permit				29-32						<u>POD 45908: S/N 6979060 Well 6</u>
55533	Permit				1	7	60				RD - 39625000 - 10/14/21, well not in use
80337	Permit				12						<u>POD 45909: S/N 9661116 Well 4</u>
81758	Permit				4-9	7	61				RD - (2)22145700 - 10/16/20
					16-17						RD - (2)91273100 - 10/14/21
					21-22						<u>POD 54514: S/N 0004453 Well 1</u>
				27-28			RD - 39396000 - 10/14/21, well not in use				
				34-35			<u>POD 55533: S/N 9867636 Well 2</u>				
				2	8	61	RD - 58734400 - 10/14/21, well not in use				
				3			<u>POD 80337: S/N M165932612 Sandhill</u>				
				10			RD - 000602743400 - 10/16/20				
				11			RD - 000676785500 - 10/14/21				
							<u>POD 81758: S/N M165922612</u>				
							RD - 000091273100 - 10/16/20				
							RD - 000091273100 - 10/14/21				

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209 - 2021**

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		
			SE	NE				<u>10.20</u>	<u>0.00</u>		
			<b>TOTAL</b>					14.70	0.00	<b>1.00</b> Domestic Use, 3 cows 10/8/21	
25906	Cert.	NDOW	NE	SE	22	4	60	1.70		25906 is limited to 405 AF/Yr	
25907	Cert.		SE	SE				3.20		25907 (WLD) is limited to what	
25913	Cert.		NE	SW	23			23.90		well can produce, not to exceed	
			NW	SW				30.10		diversion rate expanded	
			SW	SW				39.70		for 185 days per year, being 407.31 AF/Yr	
			SE	SW				9.10		25913 is limited to 270 AF/Yr	
			NW	NW	26			15.70		POU Frenzy & Nesbitt Lakes	
			NE	NW				<u>0.60</u>		Key Pittman Wildlife Management Area	
			<b>TOTAL</b>					124.00	0.00	<b>1.28</b> <u>see field sheet for meter readings</u>	
26638	Cert.	Seifman, Haymore,	SW	SE	8	7	61	10.00	0.00		
81252-T	Exp.	Meldrum, Casaneda, Stewart	NW	NE	17			40.00	7.30	Well used for 81252-T	
			NE	NE				40.00	9.00	RD - 663179 * 0.001 AF - 10/11/19	
			SE	NE				<u>40.00</u>	<u>7.30</u>	RD - 796054 * 0.001 AF - 10/16/20	
			<b>TOTAL</b>					130.00	23.60	<b>113.37</b> RD - 906942 * 0.001 AF - 10/8/21	
28296	Cert.	Gifford			32	6	61	29.85	7.46	Irrigated with surface water. Well in use 25% of time	
										<b>49.75</b> Flood, Pasture grass, NIWR = 4.0	

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209 - 2021**

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		
35054	Cert.	Whipple	SW	SW	11			8.89	7.03	POD 72770 & 72772 (South Well):S/N 140142406	
35055	Cert.	Whipple	NW	NW	14			15.66	15.66	RD - (4)53904800 - 10/23/20	
70990	Permit	Hiko Properties, LLC	NE	NW	14			35.60	35.60	RD - (5)23212800 - 10/8/21	
72770	Permit	Hiko Properties, LLC	SW	NW	14			7.32	7.32	POD 35055 (Middle Well):S/N 997453-04	
72771	Permit	Hiko Properties, LLC	SE	NW	14			18.22	18.22	RD - (4)21730800 - 10/23/20	
72772	Permit	Hiko Properties, LLC	SW	NE	14			<u>1.67</u>	<u>1.67</u>	RD - (4)34590300 - 10/8/21	
										POD 32354, 35054 & 72771 (North Well): SN 2007095306 RD - 415433000 - 10/23/20 RD - 466461000 - 10/8/21	
			<b>TOTAL</b>					99.80	95.00	<b>426.28</b>	POD 70990 WV, equipped, not in use, no meter
35453	Cert.	Joe & Evelyn Higbee	NW	SW	32	6	61	8.00	8.00		
			NE	SW	32			<u>20.00</u>	<u>20.00</u>	Irrigated with surface water.	
			<b>TOTAL</b>					28.00	28.00	<b>70.00</b>	Credited duty 2.5 Ac-Ft/Ac
35739	Cert.	Charles Wadsworth	NE	NW	23	4	60	20.00	20.00		
			NW	NW	23			<u>9.00</u>	<u>9.00</u>	Irrigated with surface water.	
			<b>TOTAL</b>					29.00	29.00	<b>72.50</b>	Credited duty 2.5 Ac-Ft/Ac
45759	Cert.	Barlow Trust, etc.	NW	NE	21	7	61	27.41	17.50		
52013	Cert.		NE	NE				7.29	0.00		
			SW	NE				14.68	7.25	RD - 846426 * 0.001 AF - 10/11/19	
			SE	NE				<u>38.11</u>	<u>19.11</u>	RD - 996395 * 0.001 AF - 10/16/20	
			<b>TOTAL</b>					87.49	43.86	<b>134.07</b>	RD - (1)127531 * 0.001 AF - 10/8/21
45761	Cert.	LDS Church	SE	SE	17	7	62	2.24	STK	<b>2.24</b>	No field sheet, several head of cattle, no meter

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209 - 2021**

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	<b>6.53</b>	S/N 60931321 RD - 21997900 gal 10/16/20 RD - 24120800 gal 10/15/21
78099	Cert.	Phyllis Frias Management Trust						13.00	COM	<b>17.20</b>	S/N ET4BP768 RD - 54285700 gal 10/16/20 RD - 61998000 gal 10/15/21 subtract 48333 mtr total to get 78099 usage
48913	Cert.	Spencer	SW	SE	30	6	61	3.45	3.45	<b>2.10</b>	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	<b>20.53</b>	S/N 62254796 RD - (1)51878300 - 10/16/20 RD - (1)58549600 - 10/15/21 Permitted Duty = 25.00 AFA
55918	Permit	Whipple	NE	SE	18	6	61	20.00	7.00		
			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>		
			<b>TOTAL</b>					80.00	23.00	<b>107.68</b>	Based on mtr reading, see field sheet
55919	Permit	Whipple	NW	SW	18	6	61				
			NE	SW	18						
			SE	SW	18						
			<b>TOTAL</b>					24.60	0.00	<b>0.00</b>	see field sheet, WNV
55920	Permit	Whipple	NE	SE	19	6	61	<u>30.40</u>			
								30.40	5.00	<b>7.61</b>	Based on mtr reading, see field sheet

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209 - 2021**

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	<b>22.35</b> 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	<b>7.86</b> No field sheet, several head of cattle, no meter	
			SE	NW							
61880	For.	Wilkinson	NE	SW	16	7	61	1.10	0.00	<b>0.00</b>	
62439	Permit	USFWS			2	8	61			62439 is limited to 960.94 Ac-Ft	
62440	Permit				10					62440 is limited to 723.8 Ac-Ft	
					11					<u>Max 4 Ac-Ft/Yr from all sources</u>	
					14					<u>POD 62439: S/N 94416215 Well 2/ North well</u>	
					15					RD - (1)20471400 - 10/17/19	
					23					RD - (1)21203500 - 10/15/20	
					24					RD - (1)21211000 - 10/5/21	
					25					<u>POD 62440: S/N 133159 Well 1/ South well</u>	
					31	8	62			RD - 95967000 - 10/17/19	
					32					RD - 97502600 - 10/15/20	
					4	9	62			RD - 99555500 - 10/5/21	
				5					75,000 gallons used for scheduled burns from		
			<b>TOTAL</b>						WLD	<b>6.73</b> well 1 stand tank line that bypasses meter	
62864	Cert.	C4 Holding, LLC	NE	NE	34	4	60	16.52	16.52	<b>82.60</b> High managed pasture grass, NIWR = 4.0	
68334	Cert.									Wheel line	
88750	Permit									POD 68334 & 88750: no meter	
88751	Permit									POD 62864 & 88751, WNV	
										Total Combined Duty NTE 82.6 Ac-Ft/Yr	

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209 - 2021**

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	<b>16.39</b> <u>POD 63238: S/N 9812822</u> RD - 81632300 - 10/16/20 RD - 84769300 - 10/15/21 <u>POD 67699: S/N 58024425</u> RD - 54010800 - 10/16/20 RD - 56201300 - 10/15/21	
67699	Cert.	Leadership Poss.	SE	NE							
			NW	NW	32						
			SW	NW							
67150	Cert.	USFWS	SE	NE	10	8	61	0.92	QM	<b>1.79</b> S/N 2315002, in R.O. House RD - 3687940 - 10/15/20 RD - 4254370 - 10/5/21	
			NE	SE							
			SW	NW	11						
			NW	SW							
68412 78844	Cert. Permit	Windmill Ridge, LLC	SE	SW	06	6	61	7.15	COM	<b>3.10</b> S/N 49440233, cabins and restaurant closed RD - (2)0305100 - 10/16/20 RD - (2)1314060 - 10/15/21	
70505	Cert.	Davis, Mike	SW	NW	23	4	60	1.37	1.37	<b>7.75</b> See field sheet for mtr readings overpumping, Duty = 6.85	
70509	Cert.	Johnston	NW	SE	15	4	61	2.24	STK	<b>2.24</b> No field sheet, several head of cattle, no meter	
74652	Cert.	Jensen	SE	NW	16	7	61	1.08	0.20	<b>0.73</b> 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	0.00	<b>0.00</b> See field sheet for mtr readings, no use Permitted Duty 12 Ac-Ft/Yr	
			NE	NE	17			<u>1.46</u>	<u>0.00</u>		
			<b>TOTAL</b>					3.00	0.00		
78582	Cert.	Jensen	NW	NW	16	7	61			<b>0.00</b> S/N 44788921 RD - 0651810 - 10/16/20; Broken meter RD - 0651810 - 10/15/21; Pipe disconnected	
			NE	NE	17			1.12	QM		

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209 - 2021**

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	<b>7.84</b>	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
			<b>TOTAL</b>					25.32	25.32	<b>91.04</b>	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							
			<b>TOTAL</b>					54.20	25.40	<b>106.96</b>	See field sheet for mtr readings
79197	Permit	Castaneda, Verona	NW	NE	17	7	61	0.83	0.00		
			NE	NE				<u>8.55</u>	<u>5.45</u>		Flood, pasture grass, NIWR = 3.1
			<b>TOTAL</b>					9.38	5.45	<b>28.16</b>	Permitted Duty 37.52 Ac-Ft/Yr
79484	Cert.	Hiko Hay and	SE	SE	13	3	60	300.28	300.28		<u>POD 79484 &amp; 79485 (well 5):S/N 1110588</u>
79485	Cert.	Cattle, LLC	SW	SW	18	3	61				RD - (2)244362 X 0.001 AF - 10/23/20
80627	Abr.		W2	NW	19						RD - (2)435486 X 0.001 AF - 10/8/21
80628	Abr.		NW	SW	19						<u>POD 80627, 81873 &amp; 81874 (well 6):S/N 11106310</u>
81872	Cert.			SE	24	3	60				RD - (5)655128 X 0.001 AF - 10/23/20
81873	Cert.			NE	24						RD - (6)193025 X 0.001 AF - 10/8/21
81874	Cert.			NE	25						<u>POD 80628, 81874 &amp; 81875 (well 7): S/N 1110628</u>
81875	Cert.										RD - (3)658572 X 0.001 AF - 10/23/20
79486	Cert.		E2	SE	35	3	60				RD - (4)226353 X 0.001 AF - 10/8/21
79487	Cert.		W2	SW	36						<u>POD 79486 &amp; 79487(well 4):S/N GP11106010</u>
79488	Cert.		W2	NW	1	4	60				RD - (5)134361 X 0.001 AF - 10/23/20
79489	Abr.		NW	SW	1						RD - (5)187185 X 0.001 AF - 10/8/21

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209 - 2021**

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 - (2)657361 X 0.001 AF - 10/23/20	
81870	Cert.	Continued	SW	NE	2					RD - (3)041894 X 0.001 AF - 10/8/21	
81871	Cert.			SE	2					<u>POD 79489 &amp; 81871 (well 2): S/N 141329510</u>	
			NE	NE	11					RD - (1)410474 X 0.001 AF - 10/23/20	
			S2	NE	11					RD - (1)410474 X 0.001 AF - 10/8/21	
			SE	NW	11					meter broken	
			NE	SW	11					2021 pumpage = NIWR :Alfalfa, NIWR = 4.4	
			SE	SW	11					<u>POD 79490, 81869 &amp; 81870 (well 1)</u>	
			NW	SE	11					S/N GP1110576	
			SW	SE	11					RD - (1)286479 X 0.001 AF - 10/23/20	
										RD - (1)461887 X 0.001 AF - 10/8/21	
			<b>TOTAL</b>					300.28	300.28	<b>2584.69</b> Alfalfa and Corn pivots	
84387	Permit	LDS Church	NW	NE	10	5	60	0.00	2.56		
84388	Permit		SE	NE	10			0.00	0.00	<u>POD 84387 (middle well) :S/N 160278906</u>	
84389	Permit		SW	NE	10			0.00	20.00	RD - 868695 X 0.001 AF - 10/23/20	
28642	Abr.		NE	NW	10			0.00	1.35	RD - (1)035890 X 0.001 AF - 10/8/21	
35256	Abr.		SE	NW	10			0.00	30.00	<u>POD 84388 (little well) :S/N 160529203</u>	
52120	Abr.		NW	SE	10			0.00	20.00	RD - (4)281335 X 0.0001 AF - 10/23/20	
			NE	SW	10			<u>0.00</u>	<u>0.00</u>	RD - (4)985480 X 0.0001 AF - 10/8/21	
			<b>TOTAL</b>					162.68	160.00	<b>459.57</b> RD - 364266 X 0.001 AF - 10/23/20 RD - 567341 X 0.001 AF - 10/8/21	
85332	Cert.	Biggs	NE	SW	16	7	61	1.91	1.91	<b>4.64</b> Permitted Duty 4.83 Ac-Ft/Yr See field sheet for mtr readings	



**APPENDIX B. PAHRANAGAT VALLEY 2021 GROUNDWATER PUMPAGE FIELD  
NOTES**

2021

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

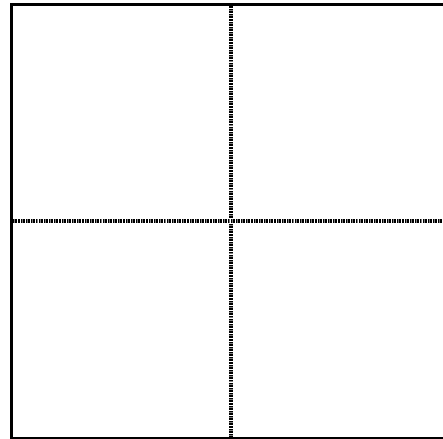
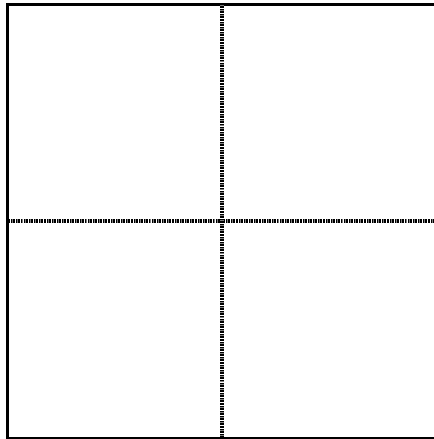
ACRES IRR: 0.0

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: House. Same meter reading as 2020. Domestic Use, 3 cows.

SIGNATURE: Christi Cooper

DATE: 10/8/2021

# 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: \_\_\_\_\_

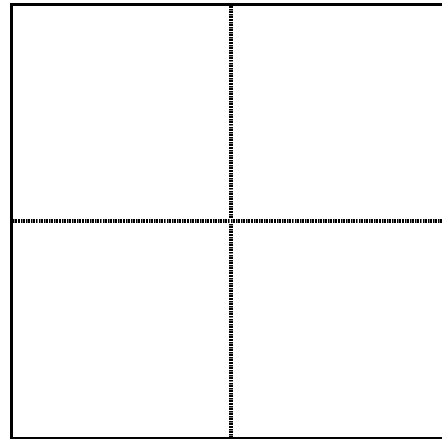
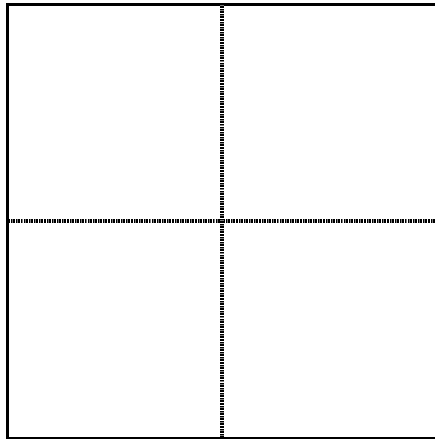
PHOTO: YES  NO  ACRES IRR: 0.0

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 60442100 on 10/23/20, RD 60842100 on 10/8/21

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

SIGNATURE: Christi Cooper

DATE: 10/8/2021

# 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: 906942 x 0.001 AF

PHOTO: YES  NO

ACRES IRR: 23.60

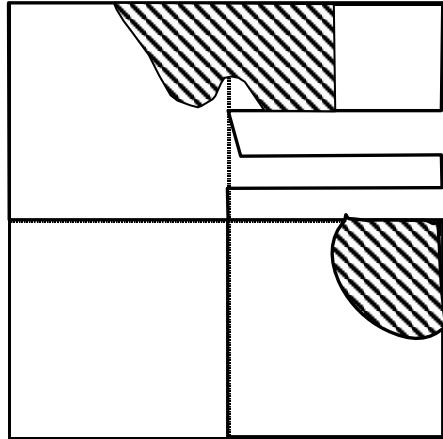
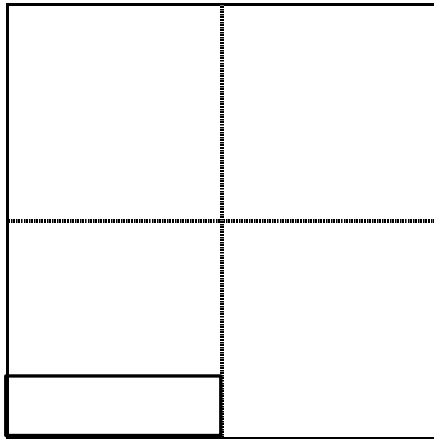
BENEFICIAL USE: YES  NO

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: 10/8/2021

# 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

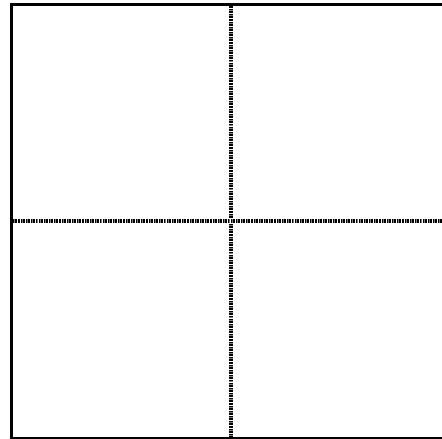
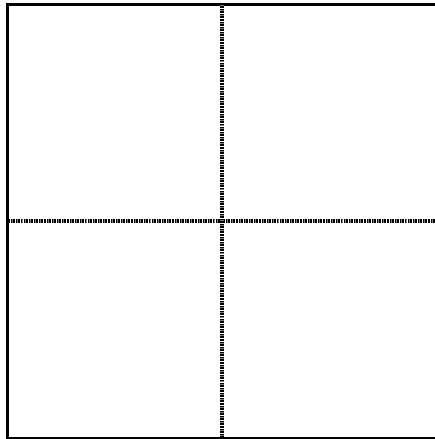
BENEFICIAL USE: YES  NO

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: 10/8/2021

# 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

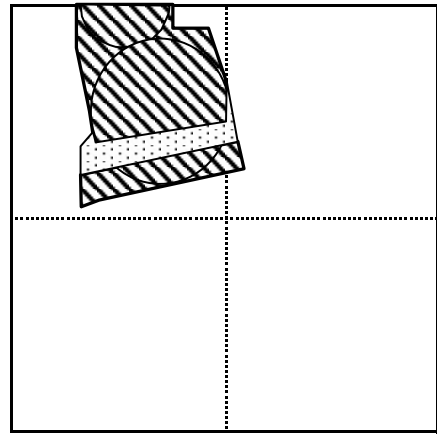
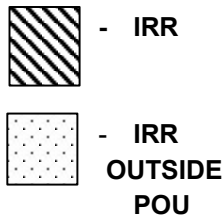
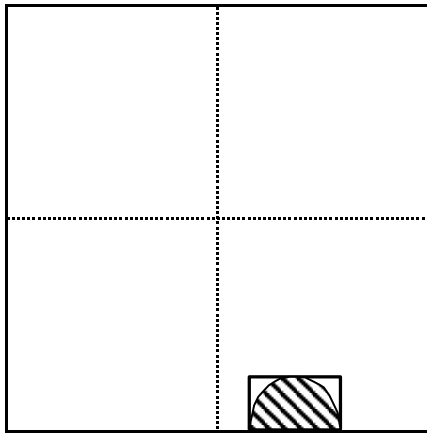
PHOTO: YES \_\_\_\_\_ NO  ACRES IRR: 95.0

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)23212800 - 10/8/21

POD 35055 (Middle Well):SN 997453-04;RD (4)34590300 - 10/8/21, line T's off before meter, well pumping

POD 32354 & 35054 (North Well):SN 2007095306;RD 466461000 - 10/8/21

SIGNATURE: Christi Cooper DATE: 10/8/2021

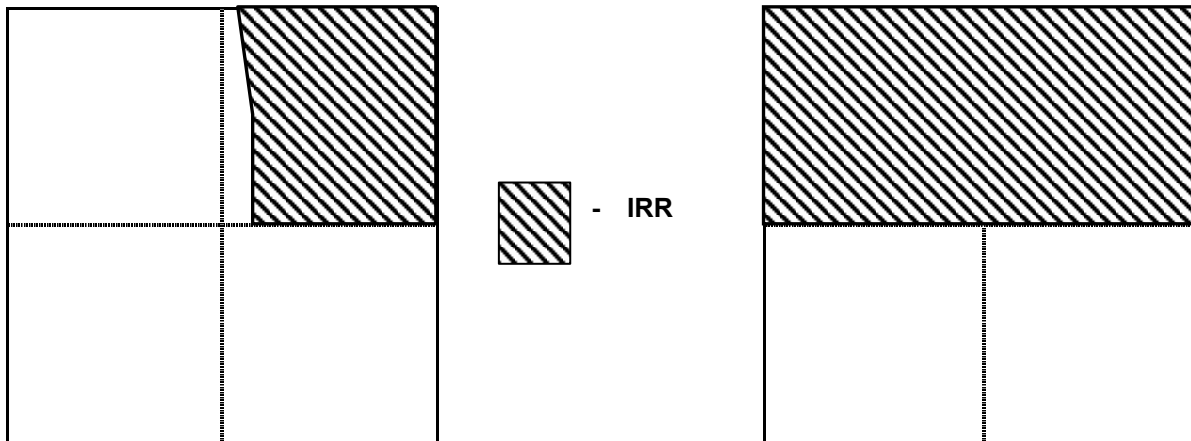
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 35453  
 WELL: YES X NO        METER SER NO:                       
 PUMP: YES X NO        PUMP TYPE: Submersible  
 MOTOR: YES        NO X MOTOR TYPE:                       
 METER: YES        NO X METER READ:                       
 PHOTO: YES        NO X ACRES IRR: 28.0  
 BENEFICIAL USE: YES X NO        PORTION        ALL X 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: 10/8/2021

# 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

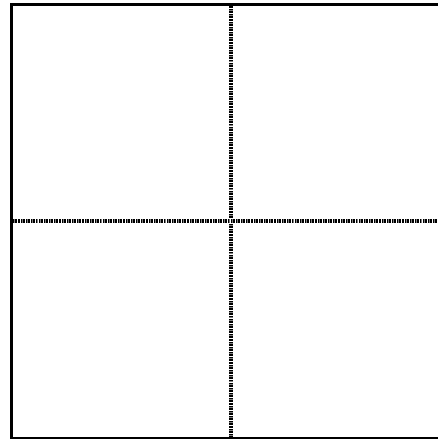
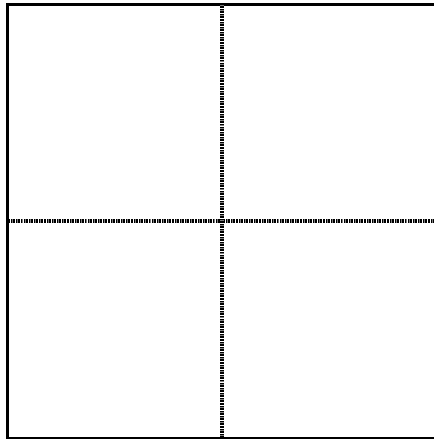
BENEFICIAL USE: YES  NO

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: 10/8/2021

# 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)127531 \* .001 AF

PHOTO: YES  NO

ACRES IRR: 43.86

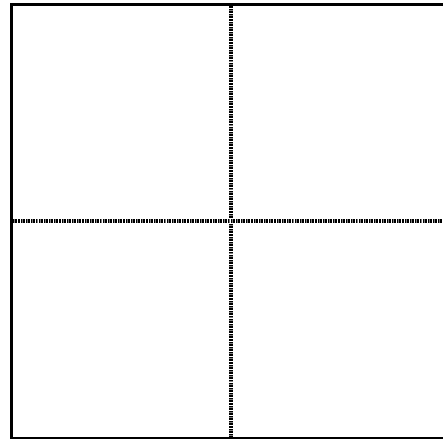
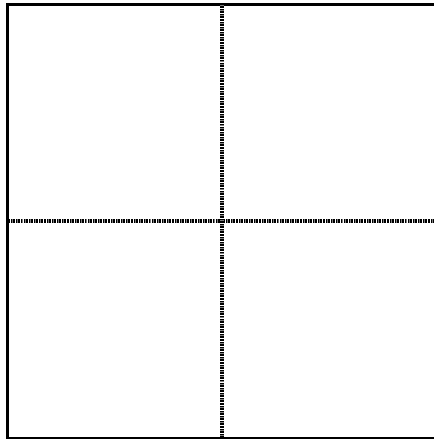
BENEFICIAL USE: YES  NO

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.

SIGNATURE: Christi Cooper

DATE: 10/8/2021

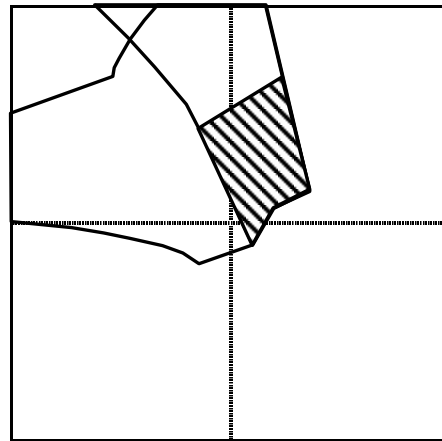
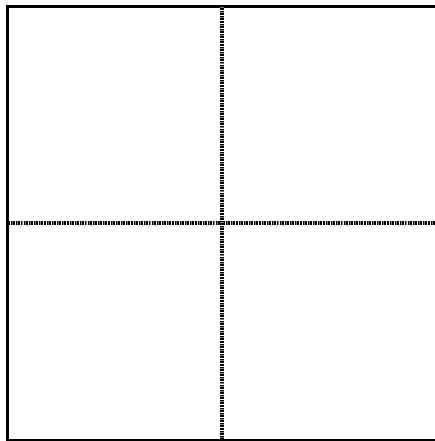
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 48333 & 78099  
 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 - 14407200 gal 10/11/19; RD - 21997900 gal 10/16/20, RD - 24120800 gal 10/15/21

Permit 78009 S/N ET4BP768, meter at well down hill behind home

RD- 41834500 gal 10/11/19; RD - 54285700 gal 10/16/20, RD 61998000 gal 10/15/21

SIGNATURE: Christi Cooper

DATE: 10/15/2021

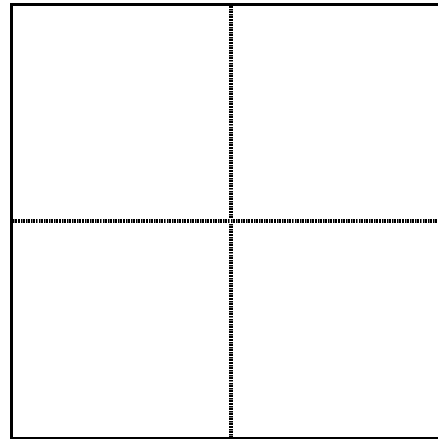
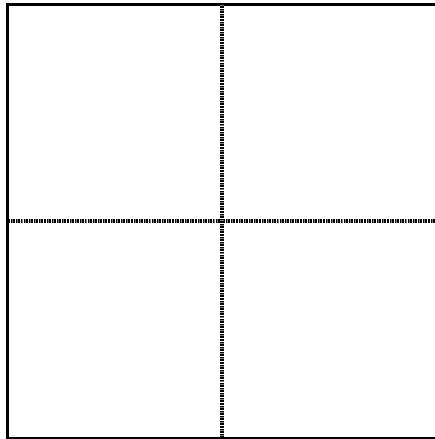
# PUMPAGE INVENTORY FIELD REPORT

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: 11070400  
PHOTO: YES        NO X ACRES IRR: 3.45  
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: Elster meter next to pumphouse. Grapes, pears, apples, pasture.

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

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

Low usage in 2021, unable to contact permittee via phone or site visit.

SIGNATURE: Christi Cooper

DATE: 10/15/2021

# 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)58549600

PHOTO: YES  NO

ACRES IRR: 5.0

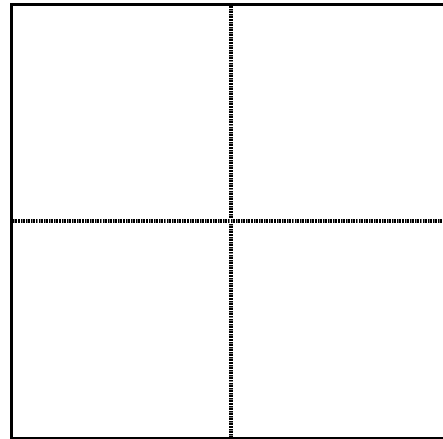
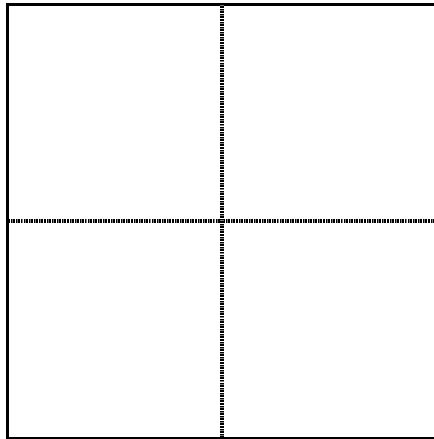
BENEFICIAL USE: YES  NO

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: 10/15/2021

# 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: 0264051000

PHOTO: YES  NO

ACRES IRR: 23.0

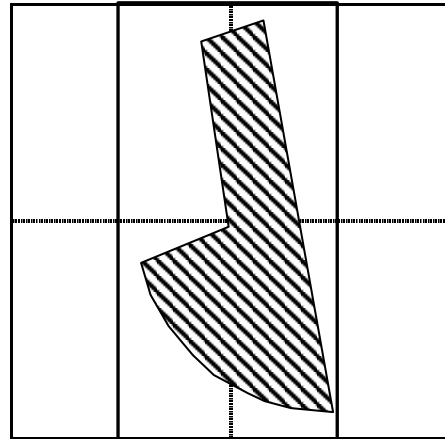
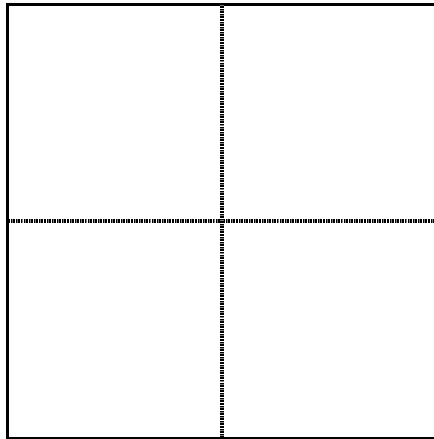
BENEFICIAL USE: YES  NO

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

SIGNATURE: Christi Cooper

DATE: 10/8/2021

# 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

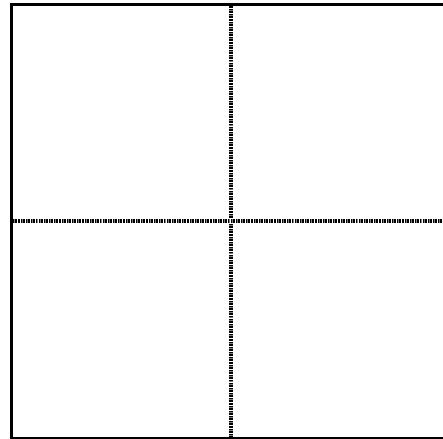
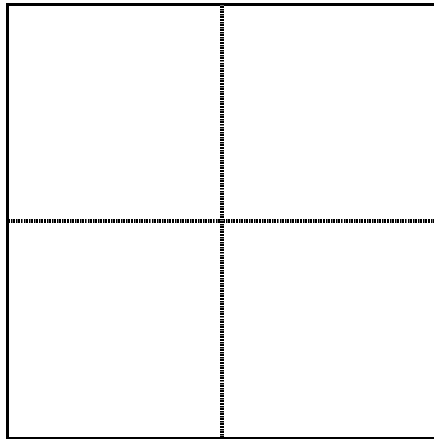
BENEFICIAL USE: YES  NO

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

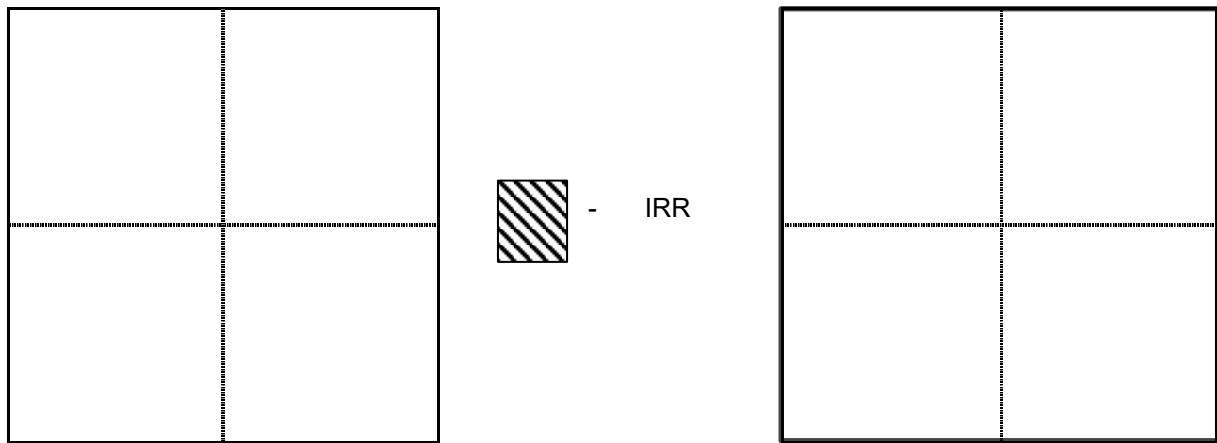
DATE: 10/8/2021

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 55920  
 WELL: YES X NO        METER SER NO: 09-02076-04  
 PUMP: YES X NO        PUMP TYPE: Submersible  
 MOTOR: YES        NO X MOTOR TYPE:         
 METER: YES X NO        METER READ: 0008800000  
 PHOTO: YES        NO X ACRES IRR: 5.0  
 BENEFICIAL USE: YES X NO        PORTION X 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 - 10/12/18, RD - 0005973000 gal - 10/11/19

RD - 0006326000 gal - 10/16/20

SIGNATURE: Christi Cooper DATE: 10/15/2021



# 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

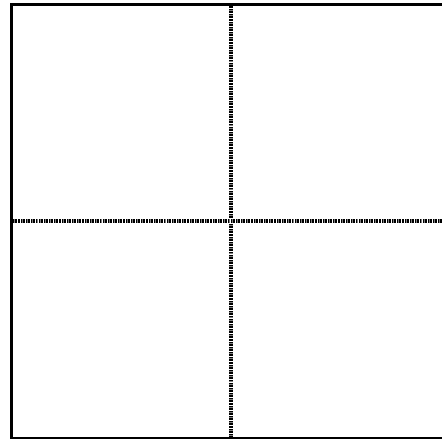
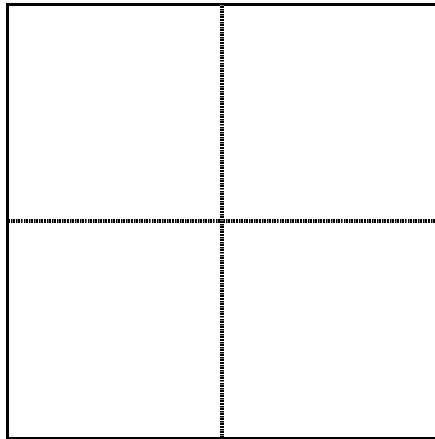
PORTION  ALL

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: 10/8/2021

# 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

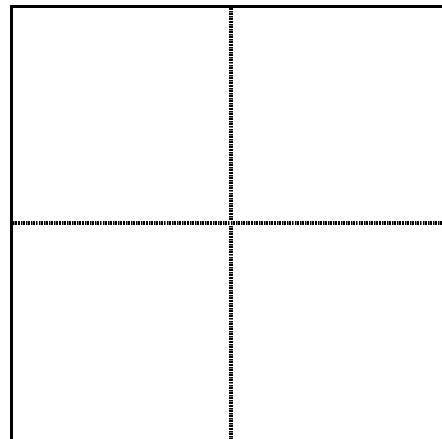
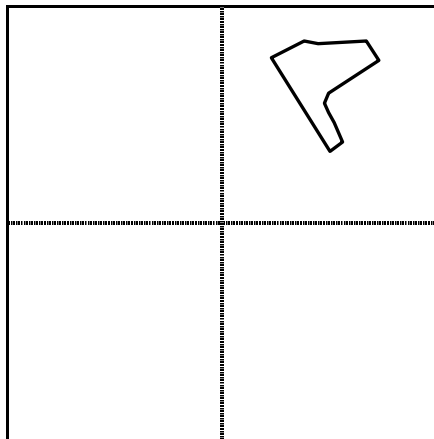
ACRES IRR: 0.00

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: 10/8/2021

# 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: \_\_\_\_\_

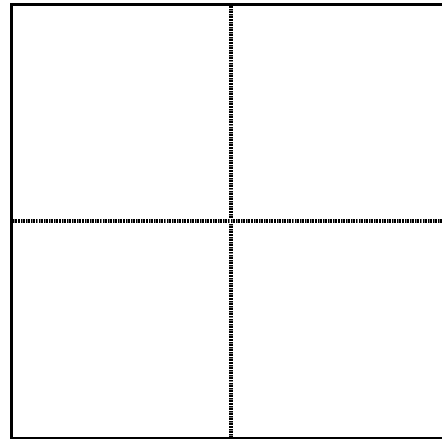
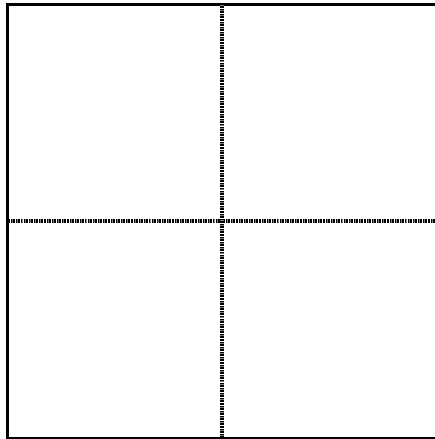
BENEFICIAL USE: YES  NO

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 - 10/5/21

POD 62440 South well (well No. 1): S/N 133159, RD- 99550000 - 10/5/21

Standpipe line for water trucks bypasses meter on south well

SIGNATURE: Christi Cooper

DATE: 10/5/2021

# 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: \_\_\_\_\_

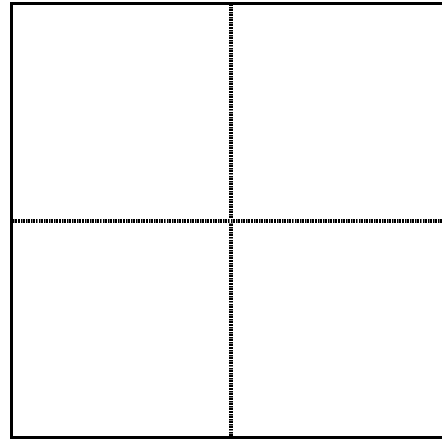
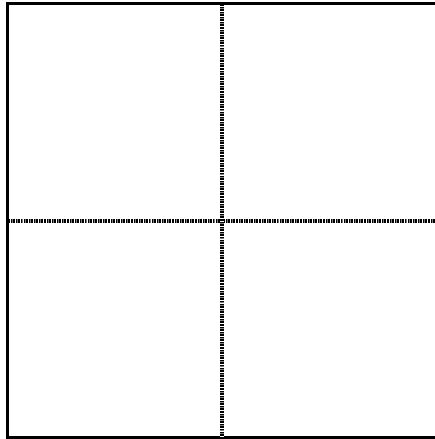
PHOTO: YES  NO  ACRES IRR: 16.52

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: 10/8/2021

# 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: 56518600

PHOTO: YES  NO

ACRES IRR: 1.37

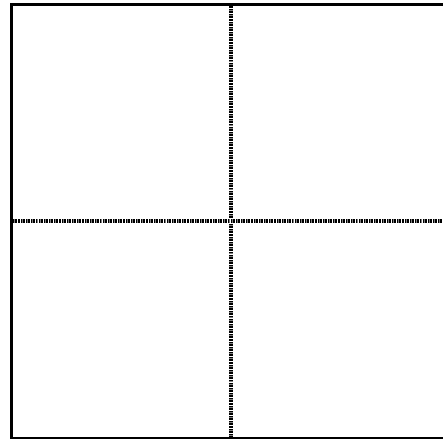
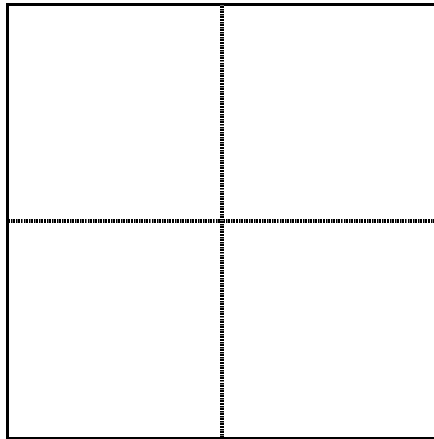
BENEFICIAL USE: YES  NO

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

SIGNATURE: Christi Cooper

DATE: 10/8/2021

# 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: 13234400

PHOTO: YES  NO

ACRES IRR: 0.2

BENEFICIAL USE: YES  \_\_\_\_\_

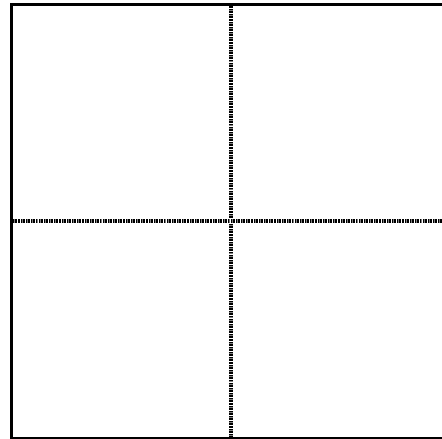
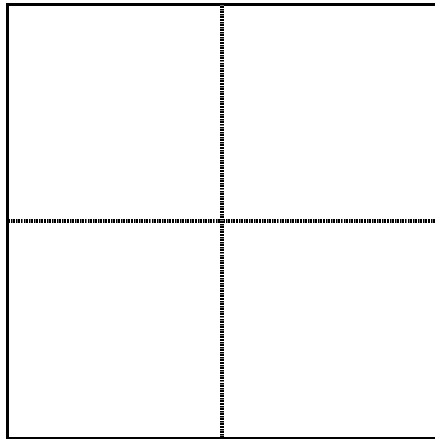
PORTION  ALL

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

SIGNATURE: Christi Cooper

DATE: 10/8/2021

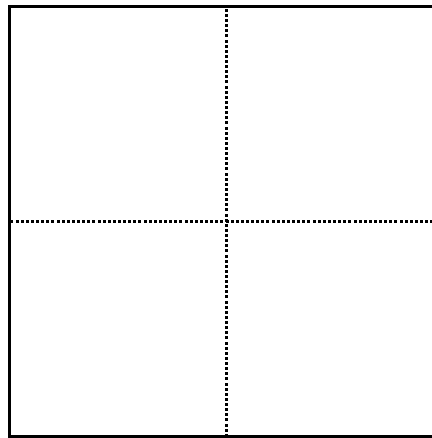
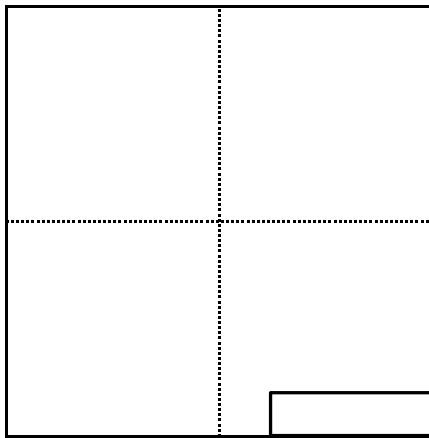
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 74653 & 78582  
 WELL: YES  NO  METER SER NO: see remarks  
 PUMP: YES  NO  PUMP TYPE: \_\_\_\_\_  
 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 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, no use.

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

SIGNATURE: Christo Cooper

DATE: 10/15/2021

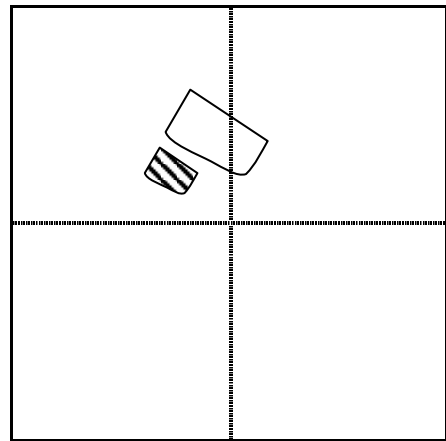
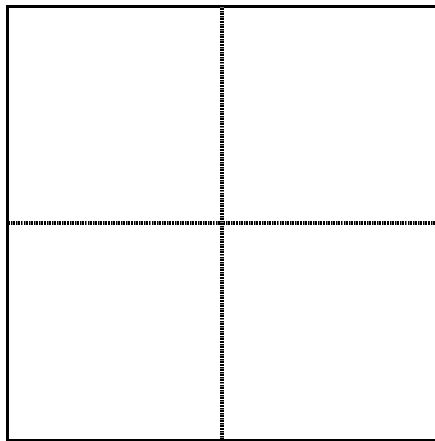
# PUMPAGE INVENTORY FIELD REPORT

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.

High managed pasture grass, meter in beige shed;

SIGNATURE: Christi Cooper

DATE: 10/15/2021

# 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)004955 \* .0001 AF

PHOTO: YES  NO

ACRES IRR: 25.32

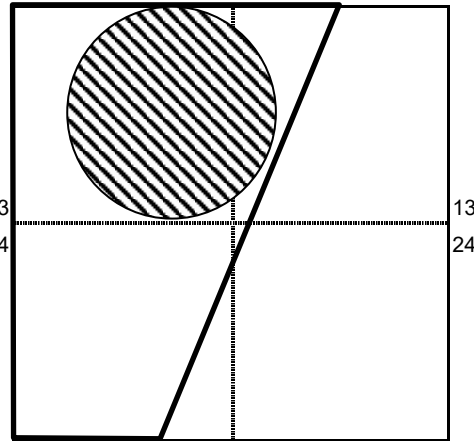
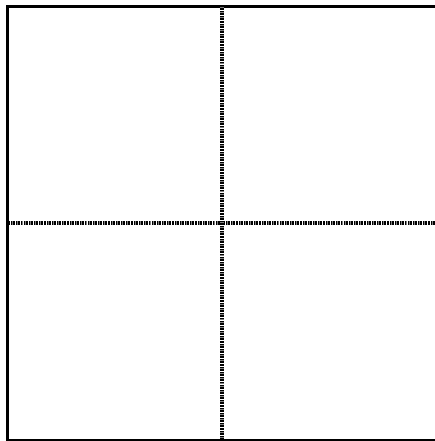
BENEFICIAL USE: YES  NO

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

SIGNATURE: Christi Cooper

DATE: 10/8/2021

# 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: 0351044000

PHOTO: YES  NO

ACRES IRR: 25.4

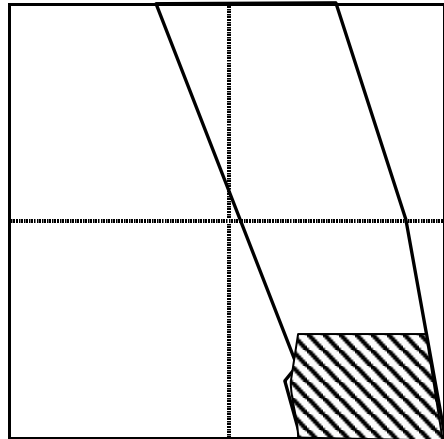
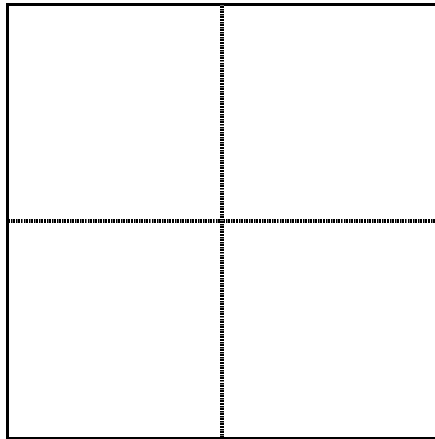
BENEFICIAL USE: YES  NO

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

SIGNATURE: Christi Cooper

DATE: 10/8/2021

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79197

WELL: YES  NO

METER SER NO: 09012877

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: \_\_\_\_\_

PHOTO: YES  NO

ACRES IRR: 5.45

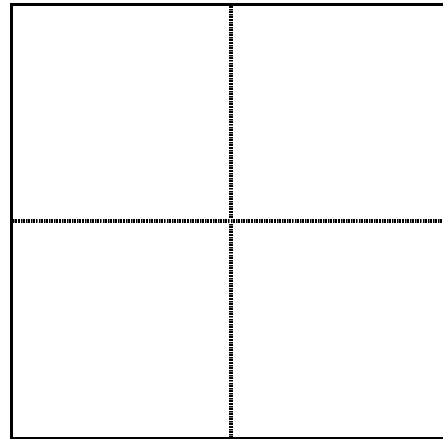
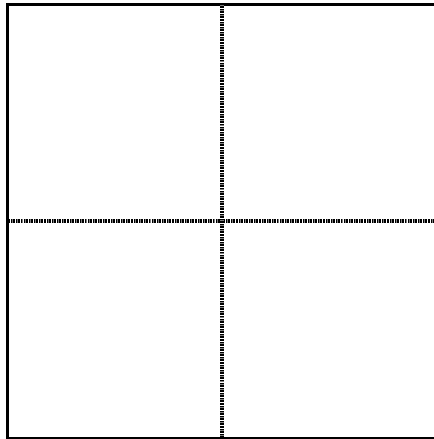
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Meter has moisture inside face, can not read meter.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SIGNATURE: Christi Cooper

DATE: 10/8/2021

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 79484, 79485, 81872, 81873, 81874 & 81875

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

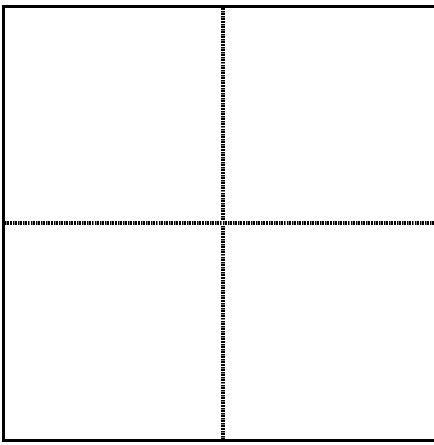
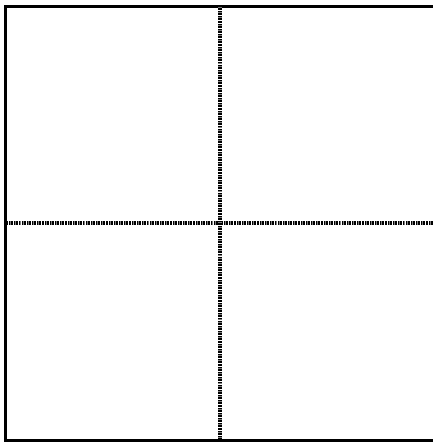
PHOTO: YES        NO X ACRES IRR: 300.28

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: Alfalfa and Corn pivots

POD 80627, 81872 & 81873: S/N GP11-1063-10; RD - (6)193025 x 0.001 AF

POD 80628, 81874 & 81875: S/N GP11-1062-8; RD - (4)226353 x 0.001 AF

POD 79484 & 79485: S/N GP11-1058-8; RD - (2)435486 x 0.001 AF

SIGNATURE: Christi Cooper

DATE: 10/8/2021

# 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

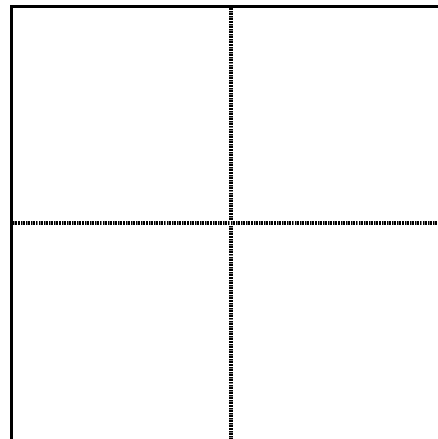
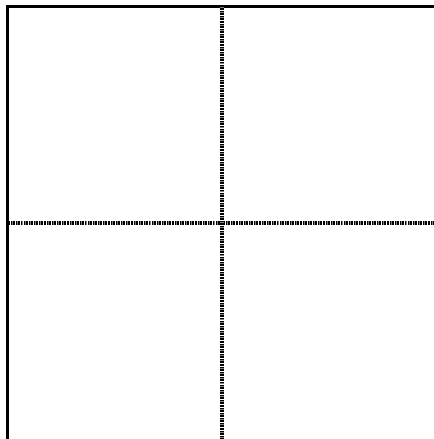
BENEFICIAL USE: YES X NO \_\_\_\_\_

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 - (5)187185 x 0.001 AF

POD 79488: S/N GP11-1059-8; RD - (3)041894 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)461887 x 0.001 AF

SIGNATURE: Christi Cooper

DATE: 10/8/2021

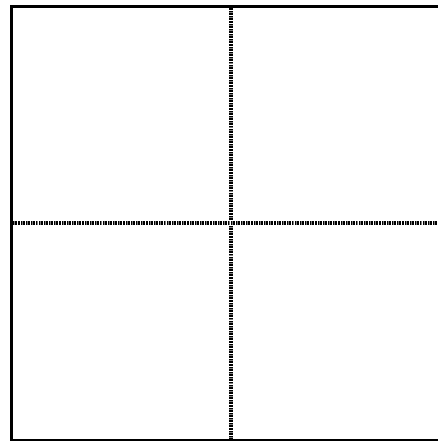
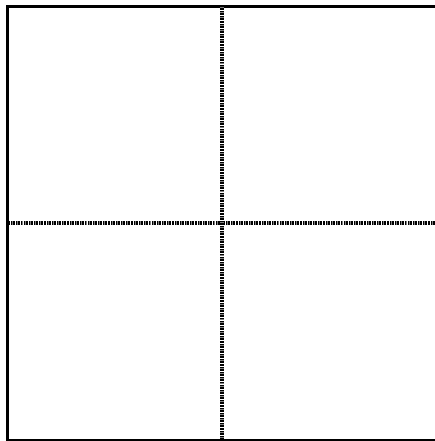
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: <u>209</u>	PERMIT NO: <u>84387, 84388 &amp; 84389</u>
WELL: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	METER SER NO: _____
PUMP: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	PUMP TYPE: <u>Submersible</u>
MOTOR: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	MOTOR TYPE: <u>Electric</u>
METER: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	METER READ: _____
PHOTO: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ACRES IRR: <u>160.00</u>
BENEFICIAL USE: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> PORTION <input checked="" type="checkbox"/> ALL <input type="checkbox"/> TYPE <u>Irrigation</u>	

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

\_\_\_\_ 1/4 \_\_\_\_ 1/4 SEC \_\_\_\_

\_\_\_\_ 1/4 \_\_\_\_ 1/4 SEC \_\_\_\_



REMARKS: Alfalfa, wheel line.

POD 84387: S/N 160278906; RD - (1)035890 x 0.001 AF - 10/8/21

POD 84388: S/N 160529203; RD - (4)985480 x 0.0001 AF - 10/8/21 (meter has 3 zeros)

POD 84389: S/N 160278806; RD - 567341 x 0.001 AF - 10/8/21

SIGNATURE: Christi Cooper

DATE: 10/8/2021

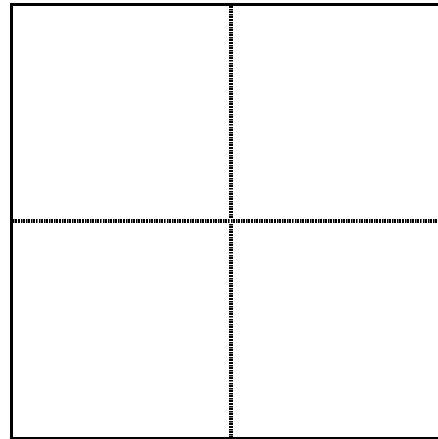
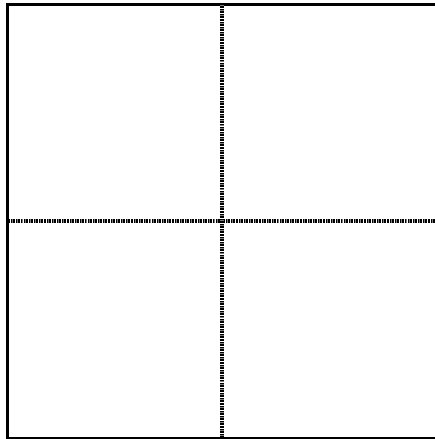
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 85332  
WELL: YES  NO  METER SER NO: 70807806  
PUMP: YES  NO  PUMP TYPE: Submersible  
MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_  
METER: YES  NO  METER READ: 16237200  
PHOTO: YES  NO  ACRES IRR: 1.9  
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: Dust control for arenas, flood irrigate large pasture

sprinkler line 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

SIGNATURE: Christi Cooper

DATE: 10/8/2021