

STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

DIVISION OF WATER RESOURCES

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PINE FOREST VALLEY (HYDROGRAPHIC BASIN 2-029)

CROP INVENTORY

2013

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## ABSTRACT

This inventory represents the status and usage of all permitted and certificated groundwater rights for irrigation purposes located within Pine Forest Valley, Hydrographic Basin 2-029, for the year 2013. **Only those groundwater rights associated with irrigation purposes are represented in this report.** For a listing and summary of all other manners of use within the basin please refer to the [Nevada Division of Water Resources Hydrographic Basin Summary](#).

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

For the year 2013, the permitted and certificated groundwater rights for irrigation purposes totaled **8,497 acres** with a total duty of 32,617 acre-feet within Pine Forest Valley. An estimated **6,499 acres** were irrigated and 26,169 acre-feet were pumped during 2013.

## HYDROGRAPHIC BASIN SUMMARY

|  |                    |
|--|--------------------|
| HYDROGRAPHIC BASIN NUMBER  | 029, REGION 2      |
| HYDROGRAPHIC BASIN NAME  | PINE FOREST VALLEY |
| COUNTIES   | HUMBOLDT           |
| MAJOR COMMUNITIES  | N/A                |
| DESIGNATED BASIN   | DESIGNATED         |
| DENIALS BASED UPON WATER AVAILABILITY  | N/A                |
| ESTIMATED IRRIGATION PUMPAGE 2013 (ACRE-FEET)  | 26,169*            |
| STATE ENGINEER'S ORDERS  |                    |
| <a href="#"><u>NO. 711 – DESIGNATION OF BASIN</u></a>  | MAY 1, 1978        |
| <a href="#"><u>NO. 831 – NOTICE OF CURTAILMENT</u></a>   | DECEMBER 1, 1983   |
| COMMITTED GROUNDWATER RESOURCE FOR IRRIGATION PURPOSES: 32,617 ACRE-FEET<br>DATE: JANUARY 2014 |                    |

NOTE: Committed groundwater resource data are accurate for January 2014. Rights may be subject to change applications, certification, withdrawals, forfeiture and cancellations; each of these circumstances could impact the duty, diversion rate and acreage associated with a given right. Be advised this report acknowledges that other manner of uses may be present in the basin; however, only those groundwater rights associated with irrigation purposes are represented in this report.

\* Acreage represented in this report may have surface water rights appurtenant. This report acknowledges those acres with surface water rights but is not intended to quantify, nor present any definitive use of those surface water rights. The data represent only the pumping of groundwater and the acreage to which it is applied.

## **PURPOSE AND SCOPE**

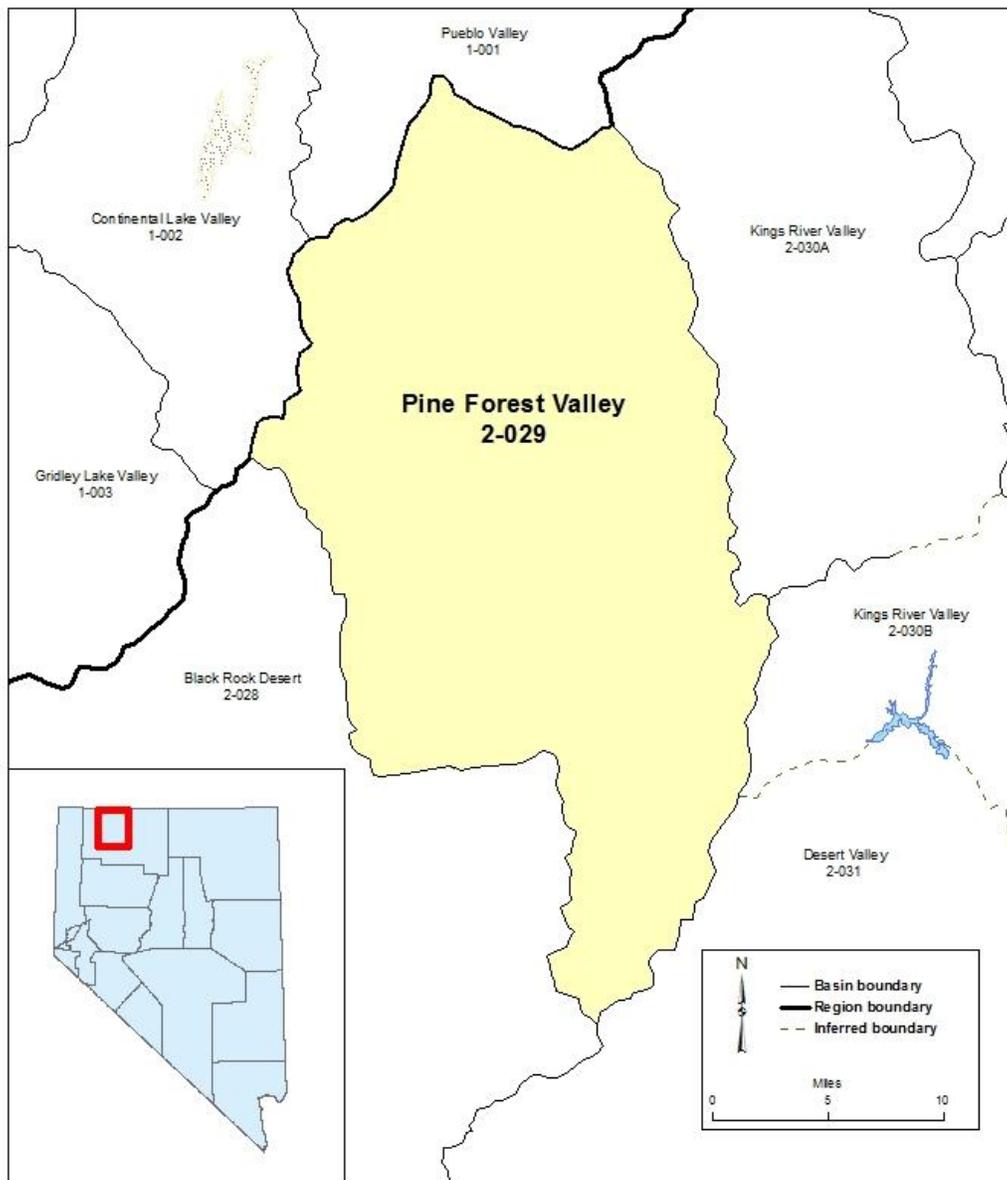
The purpose of this report is to inventory all of the groundwater resources allocated to irrigation and described by the Office of the State Engineer, Nevada Division of Water Resources, and to estimate the amount of groundwater pumped for irrigation purposes within the Pine Forest Valley Hydrographic Basin 2-029, for the year 2013.

## **DESCRIPTION OF THE STUDY AREA**

The Pine Forest Valley Hydrographic Basin is located in north central Nevada (Figure 1). Pine Forest Valley occupies approximately 528 square miles in Humboldt County. The adjacent hydrographic basins are Pueblo Valley (1-001) to the north, King's River Valley – Rio King Subarea (2-030A) to the north and east, King's River Valley – Sod House Subarea (2-030B) to the south and east, Black Rock Desert (2-028) to the south and west and Continental Lake Valley (1-002) to the north and west.

Pine Forest Valley is bounded on the north and east by the Bilk Creek Mountains, to the south by the Jackson Mountains and to the west by the Pine Forest Range. The Quinn River flows through the southern part of the basin. The valley is approximately 20 miles wide by 41 miles long with basin elevations ranging from approximately 4,200 feet above mean sea level on the valley floor to approximately 8,700 feet above mean sea level in the surrounding mountains. Irrigation occurs primarily in the central part of the basin (Figure 2).

**FIGURE 1. LOCATION MAP OF PINE FOREST VALLEY BASIN 2-029**



**FIGURE 2. LOCATION MAP OF PINE FOREST VALLEY IRRIGATED ACREAGE**



NATIONAL AGRICULTURAL IMAGERY PROGRAM (NAIP) 2013

## **METHODS TO ESTIMATE IRRIGATED ACREAGE**

This report estimates the number of acres irrigated by the groundwater pumped under permits and certificates issued by the State Engineer. The following methods were used to arrive at the estimated acreage:

- Field inspection of the place of use was conducted to estimate the number of acres under cultivation.
- In cases where field inspection of the place of use is not practical, aerial and/or satellite imagery are analyzed to determine acreages.

## **METHODS TO ESTIMATE PUMPAGE**

This report estimates the amount of groundwater pumped under permits and certificates issued by the State Engineer. The following methods were used to arrive at the estimated use:

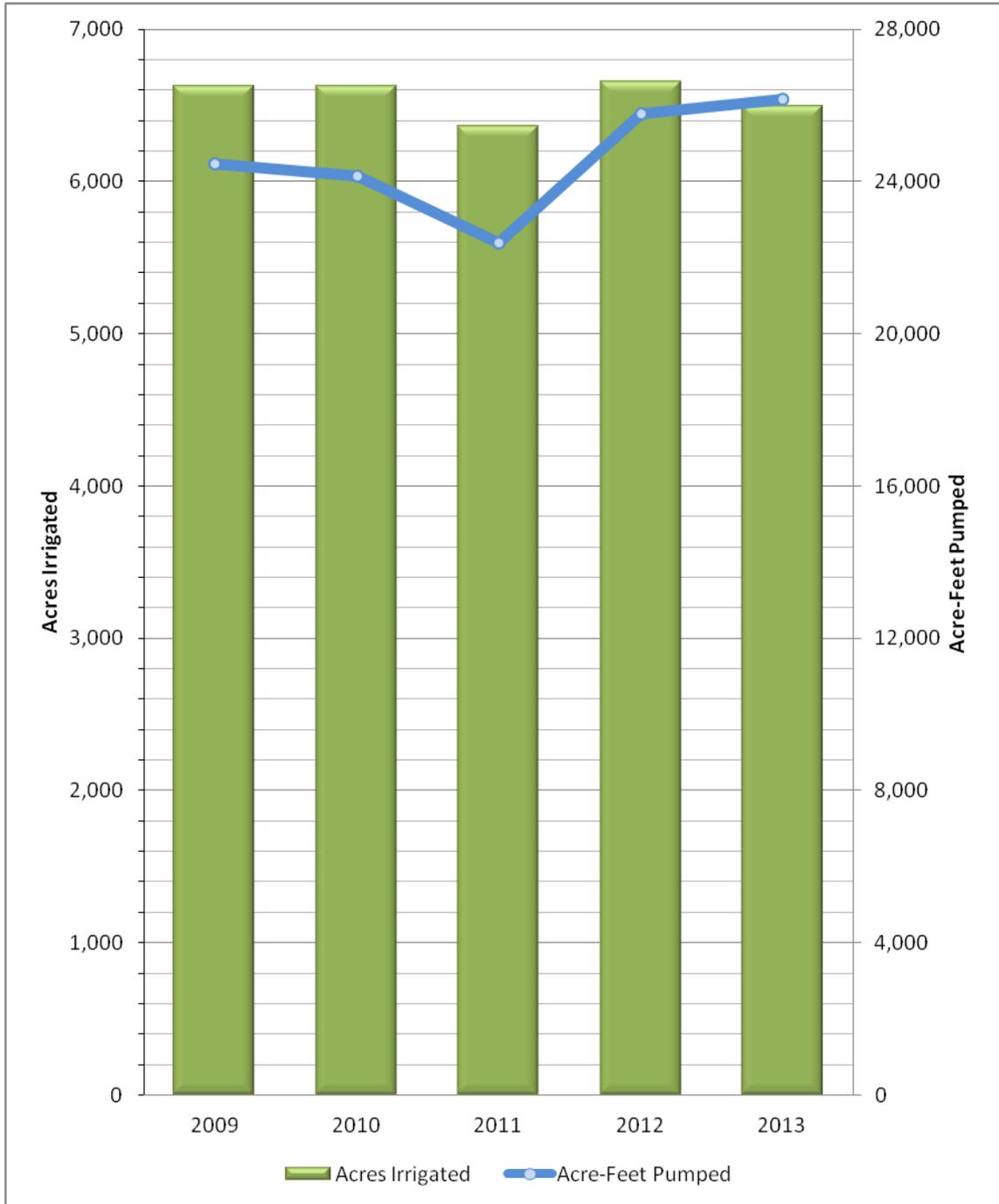
- Where totalizing meters were in place, meter readings were taken and compared with previous data (if available).
- Where meters were not in place, the place of use was inspected to estimate the amount of acreage under cultivation. The number of acres under cultivation was then multiplied by certificated or permitted duty rate associated with that acreage.
- If there were no acres under cultivation, zero pumpage was recorded.

**APPENDIX A**

**PINE FOREST VALLEY HISTORICAL CROP INVENTORY**

## PINE FOREST VALLEY HISTORICAL CROP INVENTORY

| Year             | 2009   | 2010   | 2011   | 2012   | 2013   |
|------------------|--------|--------|--------|--------|--------|
| Acres Irrigated  | 6,624  | 6,624  | 6,366  | 6,656  | 6,499  |
| Acre-Feet Pumped | 24,470 | 24,156 | 22,400 | 25,784 | 26,169 |



Note: Historical pumpage data modified from previously published data.

**APPENDIX B**

**2013 PINE FOREST VALLEY CROP INVENTORY**

## EXPLANATION OF COLUMN HEADINGS

|  |  |
|--|--|
| App No   | The file number of the Application to Appropriate/Change Water   |
| Status   | Indicates the status of an application: Permit (PER), Certificated, or a Claim of Vested Right (VST). If an application has been certificated, the Certificate number will be listed in the column.                        |
| QQ   | The quarter quarter of the Section in which the point of diversion is located.   |
| Q  | The quarter of the Section in which the point of diversion is located.   |
| Sec  | The Section in which the point of diversion is located.  |
| Twn  | The Township in which the point of diversion is located.   |
| Rng  | The Range in which the point of diversion is located.  |
| Sup  | Indicates whether the groundwater right is part of a group of groundwater rights used to irrigate all or a portion of the same acreage (supplemental). A Y in this column signifies the groundwater right is supplemental. |
| Supplemental Application Number                  | The application number(s) of the water right(s) that are supplemental.   |
| Permitted Acres                                  | The number of acres defined by the permit or certificate that are eligible to be irrigated.  |
| Supplementally Adjusted Permitted Acres          | The number of acres that are eligible to be irrigated adjusted by the supplemental nature as defined by the permit or certificate.   |
| Permitted Duty Acre-Feet                         | The amount of water that may be pumped in a given year, or season, expressed in acre-feet as defined by the permit or certificate.   |
| Supplementally Adjusted Permitted Duty Acre-feet | The amount of water that may be pumped in a given year, or season, expressed in acre-feet adjusted by the supplemental nature as defined by the permit or certificate.   |
| Owner of Record                                  | The owner of the water right as recorded in the records of the State Engineer. A water right may have more than one owner of record. Only the first, alphabetically, is listed in this table.                              |

|                           |  |
|---------------------------|--|
| Crop Type                 | The common name description of the plants under cultivation (e.g. alfalfa).  |
| Irrigation Method         | The method by which the water is applied to the crop and ground (e.g. pivot).  |
| Irrigated Acres           | The number of irrigated acres associated with a particular water right.  |
| Acreage Estimation Method | The method by which the number of acres irrigated was determined.<br>F - Field inspection. I - Aerial or satellite imagery.  |
| Acre-Feet Pumped          | The estimate of the amount of water pumped under a particular water right, expressed in acre-feet. One acre-foot equals 325,851 gallons.   |
| Pumpage Estimation Method | The method used to estimate the amount of water pumped.<br>M - Totalizing meter readings. D - The estimate was made by multiplying the number of irrigated acres by the acre-foot per acre duty rate, as defined in the permit of certificate. |

**Crop Inventory and Groundwater Pumpage for Irrigation - Pine Forest Valley - Basin 29, 2013**

| App No | Status | QQ | Q  | Sec | Twn | Rng | Sup | Supplemental Application Number | Permitted Acres            | Supplementally Adjusted Permitted Acres | Permitted Duty Acre-Feet | Supplementally Adjusted Duty Acre-Feet | Owner of Record        | Crop Type | Irrigation Method | Irrigated Acres | Acreage Estimation Method | Acre-Feet Pumped | Pumpage Estimation Method |
|--------|--------|----|----|-----|-----|-----|-----|---------------------------------|----------------------------|---|--------------------------|--|------------------------|-----------|-------------------|-----------------|---------------------------|------------------|---------------------------|
| 76242  | PER    | SW | NW | 1   | 41N | 32E | Y   | 1                               | 765.90                     | 765.90                                  | 772.59                   | 3,063.60                               | HAPPY CREEK INC.       | Alfalfa   | Flood             | 133.00          |                           | 896.66           | M                         |
|        |        |    |    |     |     |     |     |                                 |                            |   |                          |  |                        | Alfalfa   | Pivot             | 125.00          |                           |                  |                           |
| 76239  | PER    | SE | NE | 2   | 41N | 32E | Y   | 1                               | 765.90                     |   | 228.66                   |  | HAPPY CREEK INC.       | Sorghum   | Pivot             | 125.00          |                           | 927.92           | M                         |
| 76240  | PER    | SE | NE | 2   | 41N | 32E | Y   | 1                               | 765.90                     |   | 228.66                   |  | HAPPY CREEK INC.       | Alfalfa   | Flood             | 35.00           |                           |                  |                           |
| 76243  | PER    | SE | NE | 2   | 41N | 32E | Y   | 1                               | 765.90                     |   | 162.80                   |  | HAPPY CREEK INC.       | Sorghum   | Flood             | 15.00           |                           |                  |                           |
|        |        |    |    |     |     |     |     |                                 |                            |   |                          |  |                        | Sorghum   | Sprinklers        | 40.00           |                           |                  |                           |
| 76237  | PER    | NE | SE | 2   | 41N | 32E | Y   | 1                               | 765.90                     |   | 587.87                   |  | HAPPY CREEK INC.       | Alfalfa   | Pivot             | 120.00          |                           | 239.17           | M                         |
| 76244  | PER    | NE | SE | 2   | 41N | 32E | Y   | 1                               | 765.90                     |   | 476.00                   |  | HAPPY CREEK INC.       | Alfalfa   | Sprinklers        | 41.00           |                           | 65.81            | M                         |
| 76238  | PER    | NE | SE | 35  | 42N | 32E | Y   | 1                               | 765.90                     |   | 913.60                   |  | HAPPY CREEK INC.       | Alfalfa   | Flood             | 75.00           |                           | 295.64           | M                         |
| 76241  | PER    | SE | SE | 35  | 42N | 32E | Y   | 1                               | 765.90                     |   | 483.60                   |  | HAPPY CREEK INC.       | Sorghum   | Pivot             | 125.00          |                           | 323.55           | M                         |
| 16744  | CER    | NE | NW | 11  | 42N | 31E | Y   | 13421<br>Quinn River            | 460.3 Harv.<br>225.1 Past. | 685.40                                  | 1,814.45                 | 1,814.45                               | QUINN RIVER CROSSING   | Past      | Flood             | 80.00           |                           | 160.00           | D                         |
| 16745  | CER    | NW | NE | 30  | 43N | 32E | Y   | 2<br>Quinn River                | 274.1 Harv.<br>356.7 Past. | 614.23                                  | 1,535.20                 | 2,183.12                               | QUINN RIVER CROSSING   | Past.     | Flood             | 225.00          |                           | 2,400.31         | M                         |
| 16746  | CER    | NE | NE | 20  | 43N | 32E | Y   | 2                               | 455.50                     |   | 809.23                   |  | QUINN RIVER CROSSING   | Alfalfa   | Flood             | 115.00          |                           | 173.51           | M                         |
| 79457  | PER    | SW | NE | 20  | 43N | 32E | Y   | 2                               | 660.00                     |   | 1,050.00                 |  | QUINN RIVER CROSSING   | Alfalfa   | Flood             | 127.00          |                           | 938.57           | M                         |
| 79459  | PER    | SW | NE | 20  | 43N | 32E | Y   | 2                               | 34.23                      |   | 136.90                   |  | QUINN RIVER CROSSING   |           |                   |                 |                           |                  |                           |
| 79456  | PER    | SE | NE | 20  | 43N | 32E | Y   | 2                               | 660.00                     |   | 1,050.00                 |  | QUINN RIVER CROSSING   | Alfalfa   | Flood             | 126.00          |                           | 419.25           | M                         |
| 79460  | PER    | SE | NE | 20  | 43N | 32E | Y   | 2                               | 34.23                      |   | 136.90                   |  | QUINN RIVER CROSSING   |           |                   |                 |                           |                  |                           |
| 18432  | CER    | NW | NW | 29  | 43N | 32E | Y   | 2<br>Quinn River                | 522 Harv.<br>33.1 Past.    |   | 2,154.20                 |  | QUINN RIVER CROSSING   | G-Hay     | Flood             | 96.00           |                           | 384.00           | D                         |
| 18433  | CER    | NE | SW | 20  | 43N | 32E | Y   | 2<br>Quinn River                | 604.2 Harv.<br>33.1 Past.  |   | 2,483.00                 |  | QUINN RIVER CROSSING   | ALF       | Flood             | 87.00           |                           | 348.00           | D                         |
| 24257  | CER    | SW | NW | 30  | 43N | 32E | Y   | 2<br>Bilk Creek                 | 201.91                     |   | 807.64                   |  | QUINN RIVER CROSSING   | Past.     | Flood             | 215.00          |                           | 860.00           | D                         |
| 79461  | PER    | SE | SE | 17  | 43N | 32E | Y   | 2<br>Bilk Creek                 | 200.56                     |   | 802.24                   |  | QUINN RIVER CROSSING   | ALF       | Flood             | 150.00          |                           | 427.56           | M                         |
| 79462  | PER    | NE | NE | 17  | 43N | 32E | Y   | 2<br>Bilk Creek                 | 257.55                     |   | 1,030.20                 |  | QUINN RIVER CROSSING   | Pasture   | Flood             | 40.00           |                           | 131.75           | M                         |
| 26218  | CER    | SE | NE | 16  | 42N | 32E | Y   | 13421<br>Quinn River            | 221.41                     | 221.41                                  | 771.89                   | 771.89                                 | QUINN RIVER CROSSING   | Pasture   | Flood             | 40.00           |                           | 160.00           | D                         |
| 23690  | CER    | SW | SW | 12  | 43N | 30E |     |                                 | 43.52                      | 43.52                                   | 174.08                   | 174.08                                 | NUFFER, DELIA W.       | ALF       | Pivot             | 36.30           |                           | 145.20           | D                         |
| 63559  | PER    | NW | NW | 24  | 43N | 30E | Y   |                                 | 39.13                      | 39.13                                   | 99.40                    | 99.40                                  | NUFFER, DELIA W.       | Alf       | Pivot             | 42.00           |                           | 168.00           | D                         |
| 38540  | CER    | NW | NE | 25  | 44N | 30E |     |                                 | 262.70                     | 262.70                                  | 1,050.80                 | 1,050.80                               | BIG CREEK RANCH LLC    | Grass     | Pivot             | 268.00          |                           | 1,072.00         | D                         |
| 44420  | CER    | NW | SE | 24  | 44N | 30E |     |                                 | 282.70                     | 282.70                                  | 1,130.80                 | 1,130.80                               | BIG CREEK RANCH LLC    | Grain     | Pivot             | 269.00          |                           | 1,076.00         | D                         |
| 38542  | CER    | NW | NE | 36  | 44N | 30E |     |                                 | 260.30                     | 260.30                                  | 1,041.20                 | 1,041.20                               | NILSON WALLACE F.      | ALF       | Pivot             | 260.30          |                           | 1,041.20         | D                         |
| 28089  | CER    | NE | NW | 36  | 44N | 30E | Y   | B-29<br>Big Pass Creek          | 251.36                     | 251.36                                  | 1,005.44                 | 1,005.44                               | NILSON WALLACE F.      | ALF       | Pivot             | 127.00          |                           | 508.00           | D                         |
|        |        |    |    |     |     |     |     |                                 | 251.36                     |   | 1,005.44                 |  |                        | Grain     | Pivot             | 120.00          |                           | 480.00           | D                         |
| 46283  | CER    | NW | SE | 3   | 43N | 31E | Y   | 3                               | 310.00                     | 717.30                                  | 1,240.00                 | 2,869.20                               | DUFERRENA LANDS LLC    | Grain     | Pivot             | 118.00          |                           | 472.00           | D                         |
| 46285  | CER    | NW | SE | 3   | 43N | 31E | Y   | 3                               | 488.68                     |   | 1,954.72                 |  | DUFERRENA LANDS LLC    | ALF       | Pivot             | 124.00          |                           | 496.00           | D                         |
| 46284  | CER    | SE | SE | 3   | 43N | 31E | Y   | 3                               | 103.00                     |   | 412.00                   |  | DUFERRENA LANDS LLC    |           |                   |                 |                           |                  |                           |
| 46282  | CER    | SW | NW | 35  | 44N | 31E | Y   | 3                               | 160.00                     |   | 640.00                   |  | DUFERRENA LANDS LLC    |           |                   |                 |                           |                  |                           |
| 46281  | CER    | SW | SW | 35  | 44N | 31E | Y   | 3                               | 160.00                     |   | 640.00                   |  | DUFERRENA LANDS LLC    |           |                   |                 |                           |                  |                           |
| 46717  | CER    | NE | SW | 27  | 44N | 31E | Y   | 4                               | 1,914.62                   | 1,914.62                                | 1,665.13                 | 7,658.48                               | EGGER ENTERPRISES, LLC | Alfalfa   | Pivots            | 154.00          |                           | 616.00           | D                         |
| 31025  | CAN    | NW | NW | 3   | 43N | 31E |     |                                 |                            |   |                          |  | Moore, Craig           | Alfalfa   | Pivot             | 125.00          |                           | 500.00           | D                         |
| 46721  | CER    | SW | SE | 34  | 44N | 31E | Y   | 5                               | 1,960.60                   | 2,438.60                                | 1,136.00                 | 9,754.40                               | EGGER ENTERPRISES, LLC | Alfalfa   | Pivot             | 142.00          |                           | 568.00           | D                         |

**Crop Inventory and Groundwater Pumpage for Irrigation - Pine Forest Valley - Basin 29, 2013**

| App No | Status | QQ | Q  | Sec | Twn | Rng | Sup | Supplemental Application Number | Permitted Acres | Supplementally Adjusted Permitted Acres | Permitted Duty Acre-Feet | Supplementally Adjusted Duty Acre-Feet | Owner of Record             | Crop Type | Irrigation Method | Irrigated Acres | Acreage Estimation Method | Acre-Feet Pumped | Pumpage Estimation Method |
|--------|--------|----|----|-----|-----|-----|-----|---------------------------------|-----------------|---|--------------------------|--|-----------------------------|-----------|-------------------|-----------------|---------------------------|------------------|---------------------------|
| 46722  | CER    | NW | NE | 28  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 3,901.85                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivot             | 128.00          |                           | 512.00           | D                         |
| 46723  | CER    | SW | NW | 27  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 3,011.72                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivot             | 259.00          |                           | 1,036.00         | D                         |
| 50998  | CER    | SW | NW | 27  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 1,505.86                 |  | EGGER ENTERPRISES, LLC      |           |                   |                 |                           |                  |                           |
| 46724  | CER    | SE | NE | 33  | 44N | 31E | Y   | 5                               | 1,960.60        |   | 1,280.00                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivots            | 128.00          |                           | 512.00           | D                         |
| 46732  | CER    | SE | NE | 33  | 44N | 31E | Y   | 5                               | 1,960.60        |   | 1,232.00                 |  | EGGER ENTERPRISES, LLC      |           |                   |                 |                           |                  |                           |
| 46725  | CER    | NE | SW | 4   | 43N | 31E | Y   | 5                               | 1,960.60        |   | 1,264.00                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivot             | 254.00          |                           | 1,016.00         | D                         |
| 46726  | CER    | NW | SW | 28  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 1,272.00                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivots            | 129.00          |                           | 516.00           | D                         |
| 46727  | CER    | NW | SW | 28  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 1,280.00                 |  | EGGER ENTERPRISES, LLC      |           |                   |                 |                           |                  |                           |
| 46728  | CER    | NW | NW | 28  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 1,272.00                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivots            | 124.00          |                           | 496.00           | D                         |
| 46729  | CER    | SW | SW | 33  | 44N | 31E | Y   | 5                               | 1,960.60        |   | 1,280.00                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivots            | 129.00          |                           | 516.00           | D                         |
| 46730  | CER    | NW | NW | 34  | 44N | 31E | Y   | 5                               | 1,960.60        |   | 1,280.00                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivots            | 124.00          |                           | 496.00           | D                         |
| 46731  | CER    | NE | SW | 33  | 44N | 31E | Y   | 5                               | 1,960.60        |   | 1,232.00                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivots            | 258.00          |                           | 1,032.00         | D                         |
| 46733  | CER    | NE | SW | 33  | 44N | 31E | Y   | 5                               | 1,960.60        |   | 3,909.44                 |  | EGGER ENTERPRISES, LLC      |           |                   |                 |                           |                  |                           |
| 69361  | PER    | SW | NW | 33  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 1,955.00                 |  | CAROL J. EGGER LIVING TRUST | Alfalfa   | Pivots            | 130.00          |                           | 520.00           | D                         |
| 46734  | CER    | NW | SW | 21  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 1,280.00                 |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivots            | 152.00          |                           | 608.00           | D                         |
| 75949  | PER    | NW | SW | 22  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 136.90                   |  | EGGER LIVING TRUST          | Alfalfa   | Pivots            | 130.00          |                           | 311.54           | M                         |
| 75950  | PER    | NW | SW | 22  | 44N | 31E | Y   | 4                               | 1,914.62        |   | 977.36                   |  | EGGER LIVING TRUST          |           |                   |                 |                           |                  |                           |
| 45190  | CER    | SW | NE | 4   | 43N | 31E | Y   | 5                               | 1,960.60        |   | 1,954.72                 |  | EGGER ENTERPRISES, LLC      | Grain     | Pivots            | 129.00          |                           | 516.00           | D                         |
| 25228  | CER    | SW | NE | 2   | 43N | 31E | Y   | 5                               | 158.00          |   | 632.00                   |  | EGGER ENTERPRISES, LLC      | Alfalfa   | Pivot             | 128.00          |                           | 512.00           | D                         |
| 27563  | CER    | SE | NW | 2   | 43N | 31E | Y   | 5                               | 160.00          |   | 640.00                   |  | EGGER ENTERPRISES, LLC      |           |                   |                 |                           |                  |                           |
| 67017  | PER    | NE | SE | 2   | 43N | 31E | Y   | 5                               | 2,438.60        |   | 640.00                   |  | CAROL J. EGGER LIVING TRUST | Alfalfa   | Pivot             | 122.00          |                           | 259.58           | M                         |
| 69362  | PER    | Li | 1  | 2   | 43N | 31E | Y   | 5                               | 2,438.60        |   | 1,955.00                 |  | CAROL J. EGGER LIVING TRUST | Alfalfa   | Pivot             | 129.00          |                           | 516.00           | D                         |
|        |        |    |    |     |     |     |     |                                 |                 |   |                          |  |                             | Grass     | Pivot             | 125.00          |                           | 500.00           | D                         |

**Total Supplementally Adjusted Permitted/Certificated Acreage** 8,497.17  
**Total Supplementally Adjusted Permitted/Certificated Pumpage** 32,616.86

**Total Estimated Acreage** 6,498.60  
**Total Estimated Pumpage** 26,169.23

<sup>1</sup> PERMITS 76237, 76238, 76239, 76240, 76241, 76242, 76243, AND 76244 HAVE A TOTAL COMBINED DUTY OF 3,063.6 AFA.  
<sup>2</sup> PERMITS 16745, 16746, 18432, 18433, 24257, 79456, 79457, 79459, 79460, 79461, AND 79462 HAVE A TOTAL COMBINED DUTY OF 2,183.12 AFA.  
<sup>3</sup> PERMITS 46281, 46282, 46283, 46284, AND 46285 HAVE A TOTAL COMBINED DUTY OF 2,869.2 AFA.  
<sup>4</sup> PERMITS 46717, 46722, 46723, 46726, 46727, 46728, 46734, 50998, 69361, 75949, 75950, AND 82273 HAVE A TOTAL COMBINED DUTY OF 7,658.48 AFA.  
<sup>5</sup> PERMITS 25228, 27563, 45190, 46721, 46724, 46725, 46729, 46730, 46731, 46732, 46733, 67017, AND 69362 HAVE A TOTAL COMBINED DUTY OF 9,754.4 AFA.