

# 2012 Annual Report of Integrated Water Management Activities in the Platte Basin Within Tri-Basin NRD



1723 Burlington Street  
Holdrege, Nebraska 68949  
(308) 995-6688  
[www.tribasinnrd.org](http://www.tribasinnrd.org)  
email: [tribasin@tribasinnrd.org](mailto:tribasin@tribasinnrd.org)

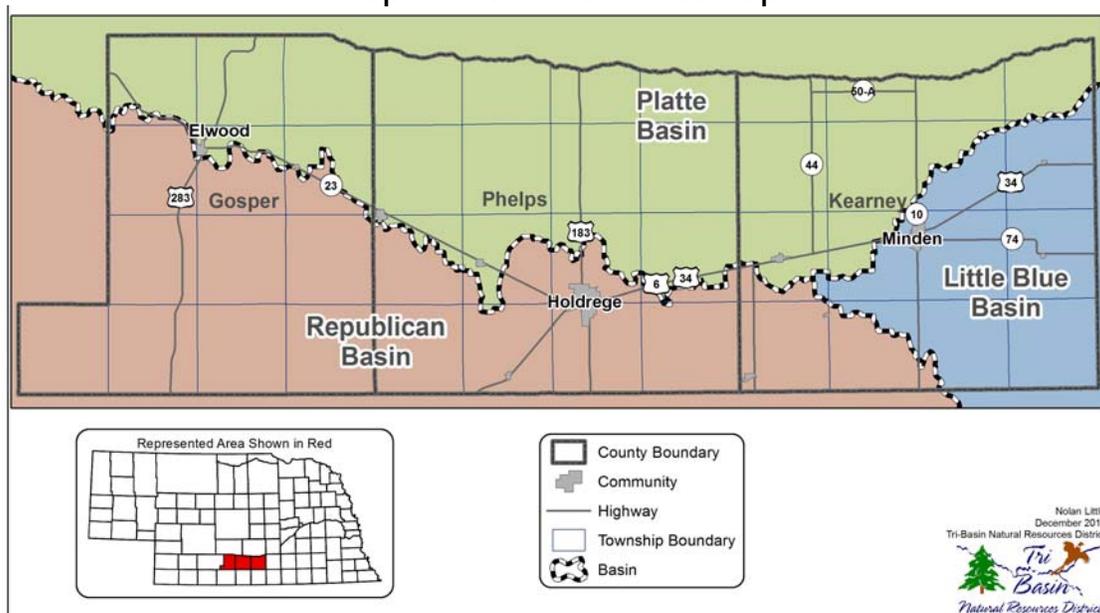
June 2013

**ANNUAL REPORT OF WATER USE ACTIVITIES  
IN THE PLATTE BASIN WITHIN TRI-BASIN NRD  
TO MEET THE REQUIREMENTS OF THE JOINT INTEGRATED MANAGEMENT PLAN  
FOR THE 2013 BASIN-WIDE MEETING**

**I. SUMMARY**

The purpose of this report is to convey information that Tri-Basin Natural Resources District (TBNRD) agreed to supply to the State of Nebraska as part of a joint Integrated Management Plan for the fully and overappropriated portions of the Platte River Basin.

**Map #1: Basin Reference Map**



**II. INTRODUCTION**

TBNRD encompasses portions of the Republican, Platte and Little Blue River Basins (see map #1, above). The district also contains an area commonly referred to as the "Groundwater Mound," a large area spanning portions of all three basins that is characterized by groundwater levels that are higher than historic "pre-development" groundwater elevations.

More than 100,000 acres of cropland within the Platte Basin portion of TBNRD are irrigated with water diverted from the Platte River and distributed through the canals of the Central Nebraska Public Power and Irrigation District (CNPPID). Surface irrigation water and the canals that distribute it enhance recharge of groundwater supplies within the district. In addition to helping sustain groundwater supplies, this incidental recharge has increased streamflows in Platte and Republican tributaries. High groundwater levels have also saturated soil and sub-soil in parts of northern Phelps and Kearney counties, requiring TBNRD to construct drainage ditches (Improvement Project Areas or IPAs) in an attempt to stabilize groundwater levels below the crop root zone. The TBNRD has designated portions of the Platte Basin as

a “High Groundwater Management Area” pursuant to TBNRD rule 8.6 for purposes of groundwater quantity management.

III. CERTIFIED IRRIGATED ACRES

The district began certifying irrigated acres in the Platte Basin in 2004. The initial certification process in the Platte Basin ended on June 15, 2006. Since that time, corrections and revisions to the certified acre database have occurred with a net result as of December 31, 2012, of 298,598.11 certified acres. CoMingled acres are acres that may be watered with groundwater or surface water, often times a combination of both. Data regarding certified irrigated acres can be found in **TABLE 1: Certified Acres**, below. Detailed information about locations and distribution of certified irrigated acres is available in the Tri-Basin NRD office.

| <b>TABLE 1: Certified Irrigated Acres</b> |             |                        |                        |
|---|-------------|------------------------|------------------------|
|   | <b>Year</b> | <b>Acres Certified</b> | <b>CoMingled Acres</b> |
| Gosper County                             | 2010        | 35,755.63              |                        |
|   | 2011        | 35,755.64              | 10,804.80              |
|   | 2012        | 35,737.43              | 10,581.80              |
| Kearney County                            | 2010        | 94,984.64              |                        |
|   | 2011        | 95,650.11              | 23,314.13              |
|   | 2012        | 95,733.45              | 23,522.33              |
| Phelps County                             | 2010        | 166,992.60             |                        |
|   | 2011        | 167,027.69             | 78,178.44              |
|   | 2012        | 167,127.23             | 78,103.08              |

IV. APPROVED CERTIFIED ACRE AND GROUNDWATER TRANSFERS

A. TBNRD allows certified irrigated acres to be transferred from one parcel to another within the Platte Basin portion of the district, with some limitations. These limitations include a prohibition on transfers from the fully appropriated portion of the district to the overappropriated area. Certified irrigated acres also cannot be transferred from parcels with surface water or commingled water resources to parcels that have groundwater wells as their only water source. Between January 1, 2012 and December 31, 2012 the district approved 13 certified irrigated acre transfers in the Platte Basin. A total of 194.12 certified irrigated acres were involved in these transfers. However, only 188.4 certified irrigated acres were re-assigned to new locations as a result of these transfers, because of differences in depletion factors on the parcels of land involved. Data regarding the location, amount and conditions associated with each transfer can be found in **TABLE 2A: Platte Basin Transfers -Acres of Origin** and **TABLE 2B: Platte Basin Transfers-Acres at New Location** (page 4).

| NRD Permit Number | Legal Description     | Acres Dried Up |
|-------------------|-----------------------|----------------|
| TBAT-0107         | Section 2 - 7N - 15W  | 15             |
| TBAT-0109         | Section 27 - 7N - 15W | 19             |
| TBAT-0120         | Section 10 - 8N - 21W | 40             |
| TBAT-0121         | Section 29 - 8N - 21W | 9.53           |
| TBAT-0122         | Section 21 - 8N - 21W | 6.8            |
| TBAT-0127         | Section 14 - 8N - 21W | 23             |
| TBAT-0138         | Section 19 - 7N - 14W | 8.26           |
| TBAT-0139         | Section 30 - 7N - 14W | 8.18           |
| TBAT-0140         | Section 12 - 7N - 15W | 5.25           |
| TBAT-0144         | Section 5 - 7N - 22W  | 14.25          |
| TBAT-0145         | Section 5 - 8N - 23W  | 14.53          |
| TBAT-0146         | Section 20 - 8N - 23W | 20             |
| TBAT-0149         | Section 1 - 7N - 19W  | 10.32          |

| NRD Permit Number | Legal Description     | New Irrigated |
|-------------------|-----------------------|---------------|
| TBAT-0107         | Section 11 - 7N - 15W | 15            |
| TBAT-0109         | Section 22 - 7N - 15W | 19            |
| TBAT-0120         | Section 31 - 8N - 21W | 40            |
| TBAT-0121         | Section 31 - 8N - 21W | 9.53          |
| TBAT-0122         | Section 31 - 8N - 21W | 6.8           |
| TBAT-0127         | Section 23 - 8N - 21W | 23            |
| TBAT-0138         | Section 13 - 7N - 15W | 8.26          |
| TBAT-0139         | Section 13 - 7N - 15W | 8.18          |
| TBAT-0140         | Section 13 - 7N - 15W | 5.25          |
| TBAT-0144         | Section 6 - 7N - 22W  | 14.25         |
| TBAT-0145         | Section 4 - 8N - 23W  | 14.53         |
| TBAT-0146         | Section 4 - 8N - 23W  | 14.28         |
| TBAT-0149         | Section 13 - 7N - 18W | 10.32         |

B. TBNRD regulates groundwater pumping off of overlying land by requiring landowners to secure groundwater transfer permits before they can pump groundwater to properties that are not under the same ownership. Groundwater transfer permits can only be used to supply groundwater for irrigation of certified irrigated acres. Landowners are required to install flowmeters on wells that are permitted for transfers and to report pumping from these wells annually to the TBNRD. TBNRD issued one groundwater transfer permit in the Platte Basin between January 1, 2012 and December 31, 2012. TBNRD allows CNPPID customers to pump groundwater into canals to supplement surface water diversions when necessary. Such permits are temporary and must be re-

newed annually. No temporary Groundwater Transfer Permits were issued by the NRD in 2012, because CNPPID was able to deliver a full allocation of water to its customers. Data regarding groundwater transfers can be found in **TABLE 3: Groundwater Transfers**, below.

| NRD Permit Number | Legal Description     | Well Registration Number | Certified Acres Watered with Well |
|-------------------|-----------------------|--------------------------|-----------------------------------|
| GWT-0267          | Section 15 - 7N - 18W | G-060797                 | 32                                |

V. WELL CONSTRUCTION PERMITS

A. Since 1989, TBNRD has required landowners to secure well construction permits before they drill wells capable of pumping more than 50 gallons per minute. The district issues three categories of well permits: new well permits, conditional replacement well permits, and replacement well permits.

TBNRD requires landowners to agree to several conditions on the operation of new wells and conditional replacement wells before permits are issued. These conditions are listed in an agreement that is signed by landowners when they apply for these types of well permits. A copy of that agreement is attached to this report as Appendix A.

B. **TABLE 4: TBNRD Well Permits** (below) is a breakdown of well permits that TBNRD issued in the Platte Basin between January 1, 2012 and December 31, 2012. A detailed listing of well permits issued by TBNRD in 2012 is found in **TABLE 5: Well Permit Summary** (page 6).

| Well Permit Type   | Permits |
|--|---------|
| New (variance) irrigation  | 0       |
| Replacement irrigation   | 55      |
| Conditional replacement irrigation - supplemental to groundwater   | 7       |
| Conditional replacement irrigation - supplemental to surface water | 7       |
| Dewatering   | 0       |
| New commercial/industrial  | 2       |

| Permit Number | Well Permit Type               | Legal Description     | NDNR Reg. Number |
|---------------|--------------------------------|-----------------------|------------------|
| TBSG-1404     | Supplemental to Groundwater    | Section 23 - 7N - 15W | G-165537         |
| TBSG-1405     | Supplemental to Groundwater    | Section 23 - 8N - 14W | G-162791         |
| TBSS-1407     | Supplemental to Surface Water  | Section 8 - 6N - 16W  | G-162926         |
| TBSG-1408     | Supplemental to Groundwater    | Section 34 - 7N - 16W | G-166557         |
| TBSS-1409     | Supplemental to Surface Water  | Section 23 - 7N - 19W | G-164765         |
| TBSS-1410     | Supplemental to Surface Water  | Section 12 - 7N - 19W | Not drilled Yet  |
| TBSS-1411     | Supplemental to Surface Water  | Section 35 - 7N - 16W | G-165597         |
| TBSG-1412     | Supplemental to Groundwater    | Section 9 - 6N - 16W  | G-164644         |
| TBIN-1413     | Industrial - Feedlot Expansion | Section 5 - 7N - 14W  | G-165728         |
| TBIN-1414     | Industrial - Feedlot Expansion | Section 5 - 7N - 14W  | G-165729         |
| TBSS-1418     | Supplemental to Surface Water  | Section 2 - 6N - 16W  | G-165055         |
| TBSG-1424     | Supplemental to Groundwater    | Section 14 - 7N - 18W | G-166011         |
| TBSS-1425     | Supplemental to Surface Water  | Section 27 - 7N - 16W | Not drilled Yet  |
| TBSS-1426     | Supplemental to Surface Water  | Section 3 - 6N - 20W  | Not drilled Yet  |
| TBSG-1428     | Supplemental to Groundwater    | Section 18 - 7N - 15W | Not drilled Yet  |
| TBSG-1429     | Supplemental to Groundwater    | Section 6 - 6N - 19W  | Not drilled Yet  |

## VI. VARIANCES

TBNRD issues new well permits to landowners of parcels that don't have a prior irrigation history only after they have transferred sufficient certified irrigated acres for the intended new use. The TBNRD Board must approve a variance to the rule prohibiting new well construction before new well permits can be issued. Two new industrial well construction permit variances were issued in the Platte Basin between January 1, 2012 and December 31, 2012 (see Table 5).

Tri-Basin NRD corrected the district's certified acre database by certifying 59.37 acres in four parcels that had a history of irrigation between 1997 and 2005. These acres weren't previously included in the district's database, because they hadn't been classified as irrigated cropland by county assessors. Tri-Basin NRD's Platte Basin Corrections data is below in **TABLE 6: Platte Basin Variances**.

| Type of Variance                        | Legal Description     | Affected Acres |
|---|-----------------------|----------------|
| Restored Irrigated Acres to 1997 Status | Section 28 - 7N - 19W | 22.82          |
| Restored Irrigated Acres to 1997 Status | Section 36 - 8N - 16W | 6.87           |
| Restored Irrigated Acres to 1997 Status | Section 33 - 8N - 18W | 17.02          |
| Feedlot Expansion                       | Section 5 - 7N - 14W  | 13,000 Head    |
| Restored Irrigated Acres to 1997 Status | Section 21 - 8N - 18W | 12.66          |

VII. MUNICIPAL AND INDUSTRIAL ACCOUNTING

TBNRD collects water use data annually from all municipalities and industries within the district. Municipal and industrial water use data for communities and industries located in the Platte Basin reported to TBNRD in 2012 is shown in the next two tables. A summary of Municipal Water Use may be found in **TABLE 7: Platte Basin Municipal Water Use Data** (below). **TABLE 8** (page 9) shows Industrial and Commercial Water Use Data.

| <b>TABLE 7: Platte Basin Municipal Water Use Data</b> |       |                   |                   |                    |
|---|-------|-------------------|-------------------|--------------------|
|   |       | 2010              | 2011              | 2012               |
| <b>Axtell</b>   | Jan.  | 2,261,300         | 3,708,500         | 3,124,800          |
|   | Feb.  | 2,690,700         | 3,301,900         | 3,104,600          |
|   | Mar.  | 3,757,400         | 3,649,000         | 4,241,500          |
|   | Apr.  | 3,336,000         | 3,742,000         | 5,751,800          |
|   | May   | 3,351,500         | 5,305,600         | 11,685,400         |
|   | June  | 3,895,700         | 7,600,700         | 14,211,000         |
|   | July  | 10,452,300        | 11,452,600        | 22,110,800         |
|   | Aug.  | 9,737,500         | 8,907,600         | 12,040,400         |
|   | Sept. | 8,899,200         | 7,459,200         | 12,675,900         |
|   | Oct.  | 7,871,700         | 5,677,900         | 5,713,700          |
|   | Nov.  | 3,800,700         | 3,018,200         | 3,274,500          |
|   | Dec.  | 4,441,500         | 3,111,100         | 2,878,000          |
| <b>Axtell Totals</b>                                  |       | <b>64,495,500</b> | <b>66,934,300</b> | <b>100,812,400</b> |
| <b>Bertrand</b>                                       | Jan.  | 4,380,000         | 4,234,000         | 3,575,000          |
|   | Feb.  | 3,998,000         | 3,655,000         | 3,348,000          |
|   | Mar.  | 3,383,000         | 3,876,000         | 3,846,000          |
|   | Apr.  | 3,837,000         | 4,307,000         | 6,122,000          |
|   | May   | 5,147,000         | 7,316,900         | 13,410,700         |
|   | June  | 6,153,000         | 9,301,200         | 17,711,000         |
|   | July  | 11,853,000        | 15,651,200        | 27,282,900         |
|   | Aug.  | 12,170,000        | 12,540,800        | 14,707,500         |
|   | Sept. | 11,097,000        | 9,397,600         | 15,511,100         |
|   | Oct.  | 9,986,000         | 7,050,000         | 8,976,000          |
|   | Nov.  | 4,532,000         | 3,945,000         | 5,261,000          |
|   | Dec.  | 3,748,000         | 4,152,000         | 3,970,000          |
| <b>Bertrand Totals</b>                                |       | <b>80,284,000</b> | <b>85,426,700</b> | <b>123,721,200</b> |
| (Continued on next page)                              |       |                   |                   |                    |

**TABLE 7: Platte Basin Municipal Water Use Data  
(continued)**

|                      |       | 2010              | 2011              | 2012               |
|----------------------|-------|-------------------|-------------------|--------------------|
| <b>Elwood</b>        | Jan.  | 2,654,000         | 4,490,000         | 4,278,000          |
|                      | Feb.  | 4,454,000         | 3,277,000         | 3,324,500          |
|                      | Mar.  | 4,132,000         | 4,745,000         | 5,774,700          |
|                      | Apr.  | 5,162,000         | 4,930,200         | 4,184,000          |
|                      | May   | 6,407,000         | 7,990,000         | 16,881,600         |
|                      | June  | 7,509,000         | 10,787,000        | 22,944,600         |
|                      | July  | 12,253,300        | 9,682,800         | 30,825,300         |
|                      | Aug.  | 12,469,000        | 17,946,300        | 20,347,800         |
|                      | Sept. | 12,818,000        | 7,851,600         | 15,277,100         |
|                      | Oct.  | 10,493,000        | 8,301,000         | 9,352,300          |
|                      | Nov.  | 5,631,000         | 5,195,900         | 4,511,400          |
|                      | Dec.  | 4,269,600         | 3,483,000         | 4,061,900          |
| <b>Elwood Totals</b> |       | <b>88,251,900</b> | <b>88,679,800</b> | <b>141,763,200</b> |
| <b>Funk</b>          | Jan.  | 1,707,668         | 1,530,000         | 1,889,000          |
|                      | Feb.  | 1,707,667         | 1,241,000         | 1,549,000          |
|                      | Mar.  | 1,707,667         | 1,410,000         | 1,106,000          |
|                      | Apr.  | 1,707,667         | 1,510,000         | 1,053,000          |
|                      | May   | 1,707,667         | 2,081,000         | 2,432,000          |
|                      | June  | 1,707,667         | 2,666,000         | 4,285,000          |
|                      | July  | 2,482,000         | 2,833,000         | 3,508,000          |
|                      | Aug.  | 2,455,000         | 2,656,000         | 2,773,000          |
|                      | Sept. | 2,035,000         | 2,614,000         | 3,043,000          |
|                      | Oct.  | 2,061,000         | 1,732,000         | 1,990,000          |
|                      | Nov.  | 1,578,000         | 1,500,000         | 1,251,000          |
|                      | Dec.  | 1,321,000         | 1,630,000         | 1,152,000          |
| <b>Funk Totals</b>   |       | <b>22,178,001</b> | <b>23,403,000</b> | <b>26,031,000</b>  |
| <b>Loomis</b>        | Jan.  | 1,589,000         | 1,287,000         | 1,709,000          |
|                      | Feb.  | 3,217,000         | 2,080,000         | 1,033,000          |
|                      | Mar.  | 3,815,000         | 1,254,000         | 1,553,000          |
|                      | Apr.  | 1,887,000         | 1,953,000         | 2,428,000          |
|                      | May   | 2,604,000         | 3,231,000         | 7,072,000          |
|                      | June  | 2,384,000         | 4,369,000         | 10,692,000         |
|                      | July  | 5,508,000         | 5,352,000         | 15,290,000         |
|                      | Aug.  | 6,722,000         | 6,655,000         | 7,847,000          |
|                      | Sept. | 5,741,000         | 6,671,000         | 8,014,000          |
|                      | Oct.  | 5,521,000         | 3,976,000         | 4,510,000          |
|                      | Nov.  | 1,928,000         | 2,551,000         | 1,855,000          |
|                      | Dec.  | 1,607,000         | 1,304,000         | 984,000            |
| <b>Loomis Totals</b> |       | <b>42,523,000</b> | <b>40,683,000</b> | <b>62,987,000</b>  |

(continued on next page)

**TABLE 7: Platte Basin Municipal Water Use Data (continued)**

|                   |       | 2010      | 2011      | 2012      |
|-------------------|-------|-----------|-----------|-----------|
| Smithfield        | Jan.  | 69,7000   | 232,300   | 311,700   |
|                   | Feb.  | 192,000   | 332,000   | 169,600   |
|                   | Mar.  | 231,200   | 553,600   | 212,300   |
|                   | Apr.  | 107,500   | 555,200   | 145,100   |
|                   | May   | 135,900   | 420,600   | 611,300   |
|                   | June  | 335,000   | 270,100   | 959,500   |
|                   | July  | 407,700   | 440,600   | 959,700   |
|                   | Aug.  | 734,700   | 801,200   | 650,100   |
|                   | Sept. | 465,900   | 602,000   | 620,700   |
|                   | Oct.  | 237,200   | 321,000   | 332,900   |
|                   | Nov.  | 184,300   | 234,300   | 290,900   |
|                   | Dec.  | 238,700   | 202,800   | 112,800   |
| Smithfield Totals |       | 3,339,800 | 4,965,700 | 5,376,600 |

**TABLE 8: Platte Basin Industrial and Commercial Water Use Data**

| NDNR Reg. Number | Owner                          | Legal Description | Gallons Pumped |
|------------------|--------------------------------|-------------------|----------------|
| G-134413-R1      | KAAPA Ethanol LLC              | Sect. 13-6N-16W   | 74,120,900     |
| G-071962         | Mosaic                         | Sect. 15-6N-16W   | 0              |
| G-071961         | Mosaic                         | Sect. 15-6N-16W   | 27,200         |
| G-073875         | Village of Bertrand            | Sect. 6-6N-20W    | 18,271,200     |
| G-139944         | Ft. Kearny Consolidated        | Sect. 6-7N-14W    | 27,200         |
| G-116982         | KGLD LLC                       | Sec. 11-7N-16W    | 51,408,000     |
| G-147025         | Paul Johnson & Sons            | Sect. 10-7N-20W   | 6,518,140      |
| G-095842         | Aurora Coop                    | Sect. 19-7N-20W   | 925,000        |
| G-093253         | Wolfdenn Dairy                 | Sect. 28-8N-16W   | 4,380,000      |
| G-093254         | Wolfdenn Dairy                 | Sect. 28-8N-16W   | 4,380,000      |
| G-087812         | Rusty's Fertilizer Inc         | Sect. 21-8N-18W   | 604,800        |
| G-080853         | Nebraska Public Power District | Sect. 4-8N-21W    | 108,000        |
| G-073205         | Nebraska Public Power District | Sect. 4-8N-21W    | 131,400,000    |
| G-156977         | CNPP&ID                        | Sect. 7-8N-21W    | 379,258,799    |
| G-092923         | CNPP&ID                        | Sect. 4-8N-22W    | 122,111,195    |
| G-076780-R1      | Lakeside Country Club          | Sect. 8-8N-22W    | 56,952,000     |
| G-076515         | Lakeside Country Club          | Sect. 8-8N-22W    | 16,272,000     |
| G-140875         | Gosper/Dawson Co. SID #1       | Sect. 17-8N-22W   | 40,967,220     |

#### VIII. FLOWMETER DATA

TBNRD requires flowmeters to be installed and annual water use to be reported to TBNRD whenever landowners drill new wells, receive irrigation-related cost-share funds, or when groundwater is transferred from one property to another. In 2012 landowners reported data from 349 flowmeters in the Platte Basin. The metered wells reported irrigating 39,016.12 certified irrigated acres. This is 241.56 acres less than were reported irrigated with groundwater in 2011. Twenty-four metered wells weren't used, because they supplement surface water. All District flowmeter data is reported annually to the Department of Natural Resources (DNR) for purposes of Republican River Basin Compact Administration accounting. Platte Basin flowmeter data is included in Appendix B.

#### IX. OTHER WATER BANKING ACTIVITIES

TBNRD is considering establishing a water bank of some sort, but no policy has yet been agreed upon by the TBNRD Board of Directors.

#### X. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

Tri-Basin NRD paid CNPPID to divert 2906 acre-feet of water from the Platte River into Elwood Reservoir in Gosper County. Tri-Basin NRD accrued an estimated 484 acre-feet credit in 2011 in the Platte Basin as a result of diversions into Elwood Reservoir in 2008 and 2009. These diversions were made from the Platte when streamflows exceeded target flows, or when irrigation deliveries were suspended due to heavy rainfall in the CNPPID irrigated area. They were above and beyond normal diversions into the reservoir for irrigation deliveries. According to calculations by DNR staff (TBNRD\_offset\_summary\_update\_7\_19\_10.xls), these diversions should provide 502 acre-feet of offset credit in 2012.

TBNRD and DNR paid CNPPID to divert 5550 acre-feet of water available as a result of Platte flows exceeding water rights and USFWS Target Flow requirements, into the Phelps County Canal in the Fall and Winter of 2011. This water was stored in a section of the canal (from the Supply Canal terminus up to canal mile post 9.7) and allowed to seep away to enhance groundwater recharge and Platte baseflows. DNR staff calculated the credit toward offsetting depletions to Platte River baseflows from this enhanced recharge (Recharge\_2011\_042712.xls) as 21 acre-feet for 2012 and 911 acre-feet annually by 2021.

The Platte River Recovery Implementation Program paid CNPPID to divert 4088 acre-feet of water into the Phelps County Canal in 2012. While it doesn't provide any offset to depletions to Platte baseflows in 2012, this enhanced recharge is estimated, using DNR spreadsheet tool "Recharge\_2011\_042712.xls", as providing 721 acre-feet of baseflow enhancements by 2022.

Tri-Basin NRD has completed construction of a streamflow augmentation well along North Dry Creek in Kearney County. This augmentation well will be able to pump water to reduce shortages to USFWS target flows when needed. The well could pump as much as 1250 gallons per minute. During 2012, the North Dry Creek Augmentation well operated from June 7 to September 7. A total of 374.44 acre-feet of water was pumped during this period. Accounting for the 27% depletion rate assigned to the well site by the COHYST model, a net offset of 273.34 acre-feet was

provided to the Platte. Pumping also provided an ancillary benefit of protecting forage fish during the extreme drought conditions that prevailed in 2012.

Tri-Basin NRD also accrued credit for 179.65 acre-feet of water pumped into the Platte River near Kearney in 2012 through a wastewater pipeline from the KAAPA ethanol plant near Axtell. This pipeline was constructed in 2007.

Irrigated land was temporarily retired in TBNRD during 2012 through 19 contracts totaling 187.7 irrigated acres were signed up for USDA-EQIP Dry land Corners.

Landowners reported to TBNRD on district Groundwater Quality Management Area crop reports that conservation tillage practices have been adopted or continue to be utilized on 61,869.34 certified irrigated acres in the Platte Basin portion of the district during 2012 (see Appendix C). It is estimated that no-till or minimum tillage practices have been adopted on at least 150,000 irrigated acres in the Platte Basin portion of the district. Recent university research (Klocke, et al, 2009) indicates that evapotranspiration (ET) is reduced by as much as 3 inches per acre on irrigated cropland, as compared to conventional tillage systems, so if the estimates of no-till acres are accurate, as much as 37,500 acre-feet of water was conserved in the Platte Basin in TBNRD in 2012 through this conservation practice.

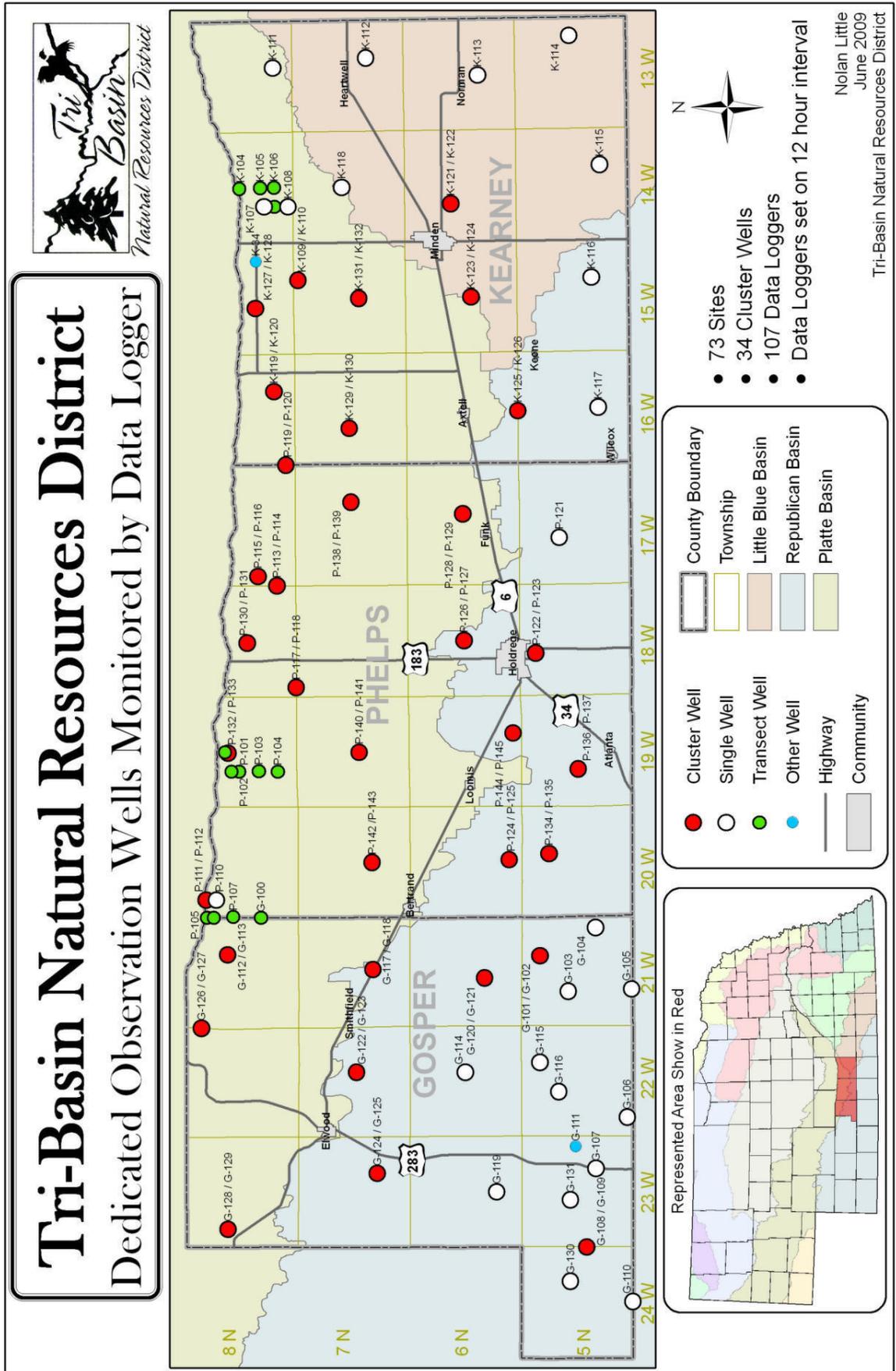
Tri-Basin NRD signed agreements with the NE Department of Natural Resources, Central Platte NRD and Twin Platte NRD to participate in funding the proposed "J-2 Re-regulation Reservoirs" project southwest of Overton, Nebraska. It is anticipated that these reservoirs will store up to 8000 acre-feet of water, and that they will fill as often as three times per year. Water will be released to the Platte River to benefit endangered Whooping Cranes, Least Terns and Piping Plovers. Tri-Basin NRD expects to accrue 2000 acre-feet per year of depletion offset credit from its participation in this project.

Finally, Tri-Basin NRD has a contract to lease irrigation water rights from CNPPID. It is anticipated that, beginning in 2013, 1633 acre-feet of irrigation water will be delivered to the Platte to offset depletions due to post-1997 groundwater uses as a result of this lease agreement.

## XI. GROUNDWATER LEVELS

TBNRD has an extensive network of 109 dedicated groundwater observation wells (60 in the Platte Basin) and 90 irrigation wells (eight in the Platte Basin) that are used to measure groundwater levels (see Map #2, page 12). TBNRD also works cooperatively with CNPPID to gather groundwater level data. Data from 160 wells measured by CNPPID are included in TBNRD's groundwater observation well database. District water level data is reported bi-annually to U.S. Geological Survey and UNL-Conservation and Survey Division. Groundwater level data for the district is available from the Tri-Basin NRD office.

Map #2: Dedicated Groundwater Observation Wells



**Tri-Basin NRD – Platte Basin Annual Report  
Appendix A**

**Tri-Basin Natural Resources District  
New Well and Conditional Replacement Well Permit  
Applicant Certification and Agreement**

Applicant Certification and Agreement to be bound by Conditions and Limitations on operation of a Well permitted as a New Well or as a Conditional Replacement Well pursuant to Rule 1.12, Tri-Basin Natural Resources District Rules and Regulations for Management of Land and Water Resources

NRD Permit # \_\_\_\_\_ Applicant \_\_\_\_\_

Applicant is the owner of the following- described real estate:

\_\_\_\_\_ ¼ Section T N - R W \_\_\_\_\_

\*\*\*\*\*

Applicant accepts and agrees to be bound by the following conditions and limitations on the operation of a well that is constructed under the authority of a permit issued by the Tri-Basin Natural Resources District ("NRD"). The conditions and limitations are (check the box and initial those that apply):

1.  Applicant agrees to offset any "new depletions" to streamflows of the Platte River, Little Blue River, Republican River, or their tributaries that may be determined to be associated with use of this well. Applicant agrees to use methods to offset those depletions that are deemed acceptable by the NRD and the State of Nebraska. Applicant understands and agrees that Applicant's failure to offset said new depletions may result in closure of this well or restrictions being imposed by the NRD on the number of acres of land that can be irrigated by this well.
  
2.  Applicant agrees to abide by well spacing and pumping capacity limitations that apply to the well that is the subject of this permit, whether such limitations arise pursuant to federal or state law or by rule or regulation of the NRD. Applicant understands and agrees that Applicant's failure to comply with all rules and regulations of the NRD that pertain to this well may result in closure of this well and civil or criminal prosecution and other penalties.
  
3.  Applicant agrees to comply with all current and future rules and regulations of the NRD that pertain to this well. Applicant understands and agrees that Applicant's failure to comply with all rules of regulations of the NRD that pertain to this well may result in closure of this well and civil or criminal prosecution and other penalties.
  
4.  Applicant agrees to maintain any and all surface water rights associated with the land to be irrigated by this well for the lifespan of the permitted well. Applicant understands and agrees that Applicant's failure to comply with all rules and regulations of the NRD that pertain to this well may result in closure of this well and civil or criminal prosecution and other penalties (conditional replacement wells only).
  
5.  Applicant agrees to irrigate only land that has been certified for irrigation by the NRD (no new irrigated acres will be allowed). Applicant understands and agrees that Applicant's failure to prevent irrigation of land not certified for irrigation by the NRD may result in closure of this well and prosecution by the State of Nebraska (conditional replacement wells only).

Applicant certifies that Applicant is familiar with the information contained in this instrument and that to the best of Applicant's knowledge and belief, such information is true, complete and accurate. Applicant further acknowledges and agrees that the NRD and/or the State of Nebraska may impose additional conditions, limitations and restrictions on operation of the well that is the subject of this permit. Applicant further acknowledges and agrees that the conditions and limitations agreed to herein shall also be binding upon Applicant's successors-in-interest to the well and/or the subject real estate.

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**Appendix A**

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete and accurate. I further acknowledge that Tri-Basin Natural Resources District or the State of Nebraska may impose additional conditions, limitations and restrictions on operation of the well that is the subject of this permit.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Witness

**Approval by Tri-Basin Natural Resources District**

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Tri-Basin NRD Representative

**Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells  
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| DNR Well Reg # | DNR Well ID | Acres Reported | Gallons Used | Comments  |
|----------------|-------------|----------------|--------------|---|
| A-005254       | 805         | 152            | 62007500     |   |
| G-007340-R1    | 162706      | 130            | 53958300     |   |
| G-007342-R1    | 162707      | 119            | 51578700     |   |
| G-007488-R1    | 11845       | 157            | 44703498     |   |
| G-009596       | 14319       | 71.6           | 29861900     |   |
| G-011745-R1    | 16802       | 132.4          | 59587600     |   |
| G-012651-R1    | 191520      | 67             | 31315350     |   |
| G-013097-R1    | 121819      | 132            | 28545300     |   |
| G-013423-R1    | 209336      | 260            | 102157421    |   |
| G-013652       | 18997       |                |              | Not Used in 2012 - Supplemental Well  |
| G-013974       | 19370       | 155.4          | 64190426     |   |
| G-014026       | 19432       |                |              | Not Used in 2012 - Supplemental Well  |
| G-016206       | 21928       | 115            | 6249600      |   |
| G-016616-R1    | 169839      | 156            | 56188100     |   |
| G-016633       | 22408       | 75             | 44777800     |   |
| G-017090-R1    | 172826      | 131.6          | 51320245     |   |
| G-020681       | 26927       | 133.6          | 49148196     |   |
| G-020831       | 27090       | 120            | 54013107     |   |
| G-021172       | 27458       | 98             | 41565800     |   |
| G-021735-R1    | 28060       | 132            | 66310068     | Estimate - meter not working, reset/will have someone out to fix/need to check when running   |
| G-021830-R1    | 163082      |                |              | Not Used in 2012 - Supplemental Well  |
| G-022950       | 29350       | 130            | 47277500     |   |
| G-023149       | 29563       | 26             | 13771965     |   |
| G-023266       | 29683       | 144            | 68980500     |   |
| G-023615       | 30058       | 135            | 45913600     |   |
| G-024078-R1    | 98512       | 129.56         | 57479200     |   |
| G-024327       | 30807       | 135            | 67817115     | Estimate -meter not working, reset/will have someone out to fix/need to check when running  |
| G-024459-R1    | 97819       | 75             | 50913750     | Estimate  |
| G-025069       | 31589       | 149            | 60689190     | Estimate required, Producer estimates with hours  |
| G-025152       | 31677       | 125            | 41598600     |   |
| G-025207       | 31736       |                |              | Not Used in 2012 - Supplemental Well  |
| G-025235       | 31764       | 135            | 43879834     | Old well had a blow out/Well was replaced and a new meter add. Old well ending reading was 144423/ 13195000 gal/ 3.6 inches - New well 30684835/ 8.4 inches |

**Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells  
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Appendix B**

| <b>DNR<br/>Well Reg #</b> | <b>DNR<br/>Well ID</b> | <b>Acres<br/>Reported</b> | <b>Gallons Used</b> | <b>Comments</b>  |
|---------------------------|------------------------|---------------------------|---------------------|--|
| G-025550                  | 32099                  |                           |                     | Did not use well in 2012, but meter moved neighbor had cows in field past winter |
| G-025703                  | 32260                  |                           |                     | Not Used in 2012 - Supplemental Well   |
| G-025803                  | 32369                  | 140                       | 46956900            |  |
| G-026446                  | 33051                  | 167                       | 41090790            |  |
| G-027184                  | 33850                  | 140                       | 47499000            |  |
| G-028077                  | 34788                  | 146                       | 52101000            |  |
| G-028636                  | 35400                  | 135                       | 48587000            |  |
| G-028660-R2               | 160179                 | 135                       | 10055300            |  |
| G-028700                  | 35469                  | 41                        | 38152000            |  |
| G-028765-R1               | 35540                  | 142                       | 5322400             | Putting on new meter, could not fix the other one                                |
| G-028884                  | 35667                  | 140                       | 77004300            | Supplemental well. Put on 2 inches for cover crop in fall.                       |
| G-029347                  | 36156                  | 104.7                     | 33884000            |  |
| G-030668-R1               | 164677                 | 135                       | 10467400            |  |
| G-030936-R1               | 176011                 | 120                       | 41891900            |  |
| G-031102                  | 38030                  | 151                       | 34229000            |  |
| G-031354                  | 38311                  | 133                       | 93118000            |  |
| G-031657                  | 38620                  | 62                        | 85453900            |  |
| G-031862-R1               | 170685                 | 147.5                     | 45895400            |  |
| G-031885-R1               | 168468                 | 134.4                     | 65326200            |  |
| G-032462-R1               | 166009                 | 124                       | 67577400            |  |
| G-033788                  | 40819                  | 126.6                     | 21186500            |  |
| G-033845                  | 40877                  | 147                       | 66793700            |  |
| G-034024                  | 41062                  | 85                        | 42103000            | Drip tape irrigated  |
| G-034034-R1               | 93086                  | 77                        | 25303600            |  |
| G-034522                  | 41576                  | 153                       | 56354700            |  |
| G-034601                  | 41656                  | 75                        | 61355300            |  |
| G-034607-R1               | 95424                  | 191                       | 90374485            |  |
| G-034763                  | 41826                  | 142.1                     | 11717600            |  |
| G-034808                  | 41871                  | 134                       | 58218176            | Estimate   |
| G-035027                  | 42096                  | 116.7                     | 45305000            |  |
| G-035028                  | 42097                  | 144                       | 70329400            |  |
| G-035046-R1               | 149129                 | 94.08                     | 29114800            |  |

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| DNR<br>Well Reg # | DNR<br>Well ID | Acres<br>Reported | Gallons Used | Comments  |
|-------------------|----------------|-------------------|--------------|---|
| G-035210-R1       | 42287          | 132               | 35680356     |   |
| G-035306          | 42390          | 136               | 48826150     |   |
| G-035840          | 42947          |                   |              | Not Used in 2012  |
| G-036447-R1       | 203726         | 135               | 52020900     |   |
| G-036500          | 43633          | 132               | 66310068     | Estimate - meter not working, reset/will have someone out to fix/need to check when running |
| G-036677          | 43812          | 130               | 65216847     |   |
| G-037041          | 44181          | 20                | 3446000      |   |
| G-037347          | 44495          |                   |              | Not Used in 2012 - Supplemental Well  |
| G-037931          | 45093          | 140               | 50044200     |   |
| G-038167-R2       | 209014         | 134               | 41770500     |   |
| G-038172          | 45343          | 130               | 68827243     |   |
| G-039054          | 46251          | 119               | 51349028     |   |
| G-039106          | 46304          | 128               | 65129500     |   |
| G-039663-R1       | 199851         | 95                | 58128300     | 4 acres of alfalfa  |
| G-040337          | 47575          | 135               | 47570900     |   |
| G-041057          | 48311          | 79                | 47057882     |   |
| G-041183          | 48439          | 142               | 74733000     |   |
| G-041350          | 48611          | 127               | 185283000    |   |
| G-041369-R1       | 188563         | 66                | 39943800     |   |
| G-041826          | 49107          | 138               | 54626100     |   |
| G-042824          | 50125          | 159.94            | 65341100     |   |
| G-042992-R1       | 191750         | 135               | 56768400     |   |
| G-043275-R1       | 50593          | 137               | 49676885     |   |
| G-043366-R1       | 127238         | 69                | 30321300     |   |
| G-043947          | 51286          | 137               | 28591400     |   |
| G-044222          | 51568          | 165               | 103969500    |   |
| G-044570          | 51919          | 30                | 11404680     | Estimate  |
| G-044608          | 51959          | 132               | 31401700     |   |
| G-044918          | 52271          | 198.4             | 101063658    |   |
| G-045284          | 52644          | 130.13            | 59205400     | 32.565 acres alfalfa  |
| G-045549-R1       | 118572         | 135.9             | 60665400     |   |
| G-046434          | 53847          | 147               | 52477200     |   |

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| <b>DNR<br/>Well Reg #</b> | <b>DNR<br/>Well ID</b> | <b>Acres<br/>Reported</b> | <b>Gallons Used</b> | <b>Comments</b>   |
|---------------------------|------------------------|---------------------------|---------------------|---|
| G-048424                  | 55885                  | 154                       | 63311300            |   |
| G-050030                  | 57531                  | 154                       | 59154000            |   |
| G-053870                  | 61445                  | 150                       | 44499500            |   |
| G-054523                  | 62111                  | 140                       | 61893000            |   |
| G-055251                  | 62856                  | 135.47                    | 61323200            |   |
| G-055382-R1               | 172201                 | 155.16                    | 64451600            |   |
| G-056004                  | 63618                  | 102.5                     | 58321900            |   |
| G-056606-R1               | 64243                  | 133                       | 66381400            |   |
| G-057082                  | 64744                  | 130                       | 32418600            | an additional 23.9 acres watered w/Tri-County surface water |
| G-057083                  | 64745                  | 4                         | 3140631.6           | Figured usage using acre inche instead of acre feet.        |
| G-057427                  | 65100                  | 198                       | 86462000            |   |
| G-059592                  | 67347                  | 148.6                     | 47991600            | Supplemental  |
| G-061501                  | 69334                  |                           |                     | Not Used in 2012  |
| G-061654                  | 69490                  | 140.5                     | 58859700            |   |
| G-061946                  | 69783                  | 127.48                    | 45163700            |   |
| G-063158                  | 71057                  | 136.4                     | 40639900            |   |
| G-063232                  | 71133                  | 150                       | 48603800            |   |
| G-063968                  | 71890                  | 130                       | 77172482            |   |
| G-064069                  | 71993                  | 65.25                     | 21181200            |   |
| G-064756                  | 72722                  | 78.4                      | 45745100            |   |
| G-064840                  | 72808                  | 150                       | 58637600            |   |
| G-065598                  | 73589                  | 130                       | 77140169            |   |
| G-066270                  | 74279                  | 134                       | 54788000            |   |
| G-066511                  | 74530                  | 131.6                     | 71563200            |   |
| G-067478                  | 75541                  | 65                        | 16408619            |   |
| G-067820                  | 75893                  | 135                       | 44546700            |   |
| G-067926                  | 76002                  | 120                       | 50258700            |   |
| G-067960                  | 76038                  | 132                       | 104490100           |   |
| G-068903                  | 77028                  | 133.5                     | 27130700            |   |
| G-069457                  | 77609                  | 67                        | 13360600            |   |
| G-069536                  | 77689                  | 130                       | 78715000            |   |
| G-069613                  | 77769                  | 275                       | 29667645            |   |

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| DNR Well Reg # | DNR Well ID | Acres Reported | Gallons Used | Comments   |
|----------------|-------------|----------------|--------------|--|
| G-070731       | 78892       | 149.6          | 62227000     |  |
| G-070802       | 78963       | 150            | 52176000     |  |
| G-070946       | 79107       | 14             | 19056900     |  |
| G-071178-R1    | 162859      | 154            | 14336400     | Supplemental Well  |
| G-071179       | 79340       | 120            | 62844000     | New meter.   |
| G-072455-R1    | 206053      | 132            | 42891372     |  |
| G-072667       | 80855       | 140            | 52382509     |  |
| G-072681       | 80869       | 100            | 25056500     |  |
| G-073863       | 82203       | 150            | 49482400     |  |
| G-074176       | 82517       | 130            | 44058994     |  |
| G-074256       | 82601       | 79             | 49027600     |  |
| G-074282       | 82627       | 134            | 42122000     |  |
| G-074365       | 82710       | 127            | 55176928     | Estimate   |
| G-074392       | 82739       | 76.07          | 31089100     |  |
| G-074662       | 83011       | 105            | 61420300     |  |
| G-087416       | 99269       | 140            | 75142449     |  |
| G-087842       | 99647       | 143            | 64466200     |  |
| G-091120       | 102868      | 142            | 58364600     |  |
| G-091407       | 102859      | 130            | 47140800     |  |
| G-094083       | 107849      | 130            | 53354000     |  |
| G-096555       | 109842      | 130            | 34800200     |  |
| G-096676       | 112194      | 130            | 40167826     |  |
| G-100388       | 114419      | 145            | 45275100     |  |
| G-110172       | 129232      | 134            | 44027100     |  |
| G-116457       | 140343      | 120            | 103852102    |  |
| G-116906       | 141679      | 95             | 51592600     | Estimate - with surface water also   |
| G-119960       | 146805      | 88             | 36396406     |  |
| G-121077       | 147633      | 132.8          | 74690100     |  |
| G-121219       | 146009      | 47             | 11814500     | supplemental well  |
| G-121894       | 148344      | 181.97         | 64779100     |  |
| G-122529       | 147634      | 78.2           | 37284100     |  |
| G-123303       | 149183      | 64             | 32150336     | estimated meter not working, reset/will have someone out to fix/need to check when running |

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| DNR<br>Well Reg # | DNR<br>Well ID | Acres<br>Reported | Gallons Used | Comments   |
|-------------------|----------------|-------------------|--------------|--|
| G-124617          | 152724         | 150               | 15875400     |  |
| G-125286          | 152448         | 40                | 15214000     | supplemental well                                      |
| G-125287          | 152447         | 130               | 60924000     |  |
| G-127496          | 153919         | 127               | 55391000     |  |
| G-127559          | 155815         | 135               | 51003500     |  |
| G-128172          | 154500         | 37.5              | 14690300     |  |
| G-129150          | 154896         | 0                 |              | Not Used in 2012 - Supplemental Well                   |
| G-129257          | 160440         | 136               | 12868400     |  |
| G-129577          | 158376         | 120               | 18634300     |  |
| G-129685          | 156989         | 136.2             | 8610533.4    |  |
| G-129692          | 160438         | 140               | 58918400     |  |
| G-130058          | 154894         | 95                | 46433340     | Estimate. Possibly reset meter at beginning of season. |
| G-130108          | 159812         | 156               | 23009484     |  |
| G-130225          | 160878         | 156               | 24885700     | Supplemental well                                      |
| G-130559          | 156326         | 131.4             | 45508800     |  |
| G-130635          | 159808         | 19                | 11679600     |  |
| G-130699          | 161380         |                   |              | Not Used in 2012 - Supplemental Well                   |
| G-130801          | 154254         | 130               | 62395500     |  |
| G-130918          | 161076         | 136               | 45713000     |  |
| G-130954          | 162385         | 10                | 5300800      |  |
| G-131043          | 161371         | 148               | 48592200     |  |
| G-131271          | 156876         | 130               | 51601300     |  |
| G-131440          | 156871         | 118               | 10357200     |  |
| G-131622          | 155819         | 100               | 36598000     |  |
| G-131623          | 155812         | 135               | 52304400     |  |
| G-131726          | 162133         | 118.1             | 34929200     | An additional 33.9 acres watered w/Tri-County          |
| G-131774          | 163016         | 134               | 40381700     |  |
| G-131925          | 162127         | 133.04            | 5145400      |  |
| G-131927          | 161757         | 130               | 44539800     |  |
| G-131930          | 162388         | 95.91             | 53591800     |  |
| G-132158          | 163442         | 130               | 40210500     |  |
| G-132168          | 160566         | 135               | 52111800     |  |

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| DNR Well Reg # | DNR Well ID | Acres Reported | Gallons Used | Comments   |
|----------------|-------------|----------------|--------------|--|
| G-132241       | 165009      | 124            | 43153400     |  |
| G-132339       | 156879      | 129.42         | 7577900      |  |
| G-132340       | 156877      | 134.95         | 107285400    |  |
| G-132341       | 156875      | 128            | 10088800     | Supplemental well  |
| G-132344       | 156789      | 53             | 27314700     |  |
| G-132359       | 160881      | 145            | 19686650     | Estimate - not used much supplemental well   |
| G-132512       | 161373      |                |              | Not Used in 2012 - Supplemental Well   |
| G-132514       | 165545      | 82.8           | 31269500     | Meter was serviced and reset mid-season. Both sets of beginning and ending readings are on water use form. Total gallons |
| G-132529       | 161379      |                |              | Not Used in 2012 - Supplemental Well   |
| G-132531       | 161571      | 140            | 58259450     |  |
| G-132532       | 161572      | 148.12         | 74456300     |  |
| G-132544       | 159256      | 136.5          | 38004800     |  |
| G-132547       | 159597      | 153.5          | 21028900     | Supplemental well  |
| G-132644       | 160439      | 156.3          | 61167100     |  |
| G-132663       | 164229      | 153.1          | 60716400     |  |
| G-132700       | 165015      | 132            | 131153000    | This producer sure that the meter went around  |
| G-132701       | 165016      | 132            | 112890000    |  |
| G-132733       | 159884      | 135            | 44718700     |  |
| G-132734       | 164687      | 115            | 56033365     |  |
| G-132768       | 165657      | 140.1          | 21673300     |  |
| G-132769       | 160567      | 144            | 74644400     |  |
| G-132798       | 159254      | 130            | 18518000     | Estimated - Producer uses meter for both tri-county & well wa-   |
| G-132840       | 160488      | 151            | 23103200     |  |
| G-133038       | 165739      | 130            | 40964000     |  |
| G-133180       | 161381      |                |              | Not Used in 2012   |
| G-133181       | 161382      |                |              | Not Used in 2012 - Supplemental Well   |
| G-133233       | 162390      | 117            | 44832300     | Seed Corn  |
| G-133234       | 161749      | 148            | 51021100     |  |
| G-133235       | 158379      | 117            | 5630000      |  |
| G-133352       | 162136      | 151            | 43558817     |  |
| G-133405       | 165547      | 120            | 57672000     |  |

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| DNR<br>Well Reg # | DNR<br>Well ID | Acres<br>Reported | Gallons Used | Comments   |
|-------------------|----------------|-------------------|--------------|--|
| G-133416          | 165335         | 52                | 16661000     |  |
| G-133421          | 161383         | 106               | 26330419     |  |
| G-133426          | 165471         | 65                | 35211800     |  |
| G-133471          | 163782         | 130               | 53563800     |  |
| G-133725          | 162123         | 130               | 50689500     |  |
| G-133759          | 160323         | 87                | 46689130     |  |
| G-133929          | 164406         | 75                | 55002200     |  |
| G-133952          | 166448         |                   | 5995600      | Fills Mosaic pond.                                     |
| G-134113          | 166449         | 130               | 89064300     |  |
| G-134130          | 162140         | 132               | 72359100     |  |
| G-134132          | 162139         | 67                | 31914300     |  |
| G-134186          | 166699         | 75                | 24438600     | Estimate -Meter not working. Couldn't get any reading. |
| G-134199          | 162134         | 130               | 52968764     |  |
| G-134206          | 166528         | 118               | 9727800      |  |
| G-134230          | 166010         | 130.47            | 34490600     | Supplemental well.                                     |
| G-134566          | 160564         | 123               | 64640700     |  |
| G-134706          | 167566         |                   |              | Not Used in 2012 - Supplemental Well                   |
| G-134879          | 162601         | 65                | 12629000     |  |
| G-135119          | 169328         | 139.9             | 29613300     |  |
| G-135169          | 166605         | 147               | 55280200     |  |
| G-135192          | 167715         | 139.5             | 105292600    |  |
| G-135193          | 167716         | 65                | 5197800      | Supplemental well                                      |
| G-135213          | 166040         | 86                | 49274000     |  |
| G-135516          | 169018         | 120               | 54024100     |  |
| G-135532          | 160565         | 140               | 10804300     |  |
| G-135822          | 169468         | 102               | 30533000     |  |
| G-135950          | 161750         |                   |              | Not Used in 2012 - Supplemental Well                   |
| G-136259          | 169013         | 88                | 10503200     | Supplemental well                                      |
| G-136650          | 169774         | 135               | 64327600     |  |
| G-136691          | 165017         | 135               | 18151700     | also used 6.8 inches of tri county water               |
| G-137318          | 169448         | 110               | 6537000      |  |
| G-137329          | 169841         | 134.3             | 52990613     |  |

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| <b>DNR<br/>Well Reg #</b> | <b>DNR<br/>Well ID</b> | <b>Acres<br/>Reported</b> | <b>Gallons Used</b> | <b>Comments</b>                      |
|---------------------------|------------------------|---------------------------|---------------------|--------------------------------------|
| G-137381                  | 170158                 | 135                       | 21684912            | Supplemental well                    |
| G-137402                  | 170172                 | 145                       | 43924853            |                                      |
| G-137403                  | 170742                 | 72                        | 32711700            |                                      |
| G-137447                  | 165018                 | 135                       | 14063300            |                                      |
| G-137937                  | 172642                 | 134                       | 89408700            |                                      |
| G-137967                  | 166808                 | 292                       | 40011300            |                                      |
| G-138203                  | 172442                 | 155                       | 79155000            |                                      |
| G-138280                  | 162142                 | 69                        | 30886000            |                                      |
| G-138416                  | 162122                 | 145                       | 51530200            |                                      |
| G-138534                  | 172370                 | 150                       | 37899400            |                                      |
| G-138594                  | 172862                 | 74.6                      | 43196200            |                                      |
| G-139059                  | 172599                 | 100                       | 51962300            |                                      |
| G-139271                  | 170679                 | 50                        | 32981500            |                                      |
| G-139360                  | 165336                 | 40                        | 10994200            |                                      |
| G-139572                  | 169042                 | 100                       | 89562800            |                                      |
| G-140625                  | 172547                 | 95                        | 64530900            |                                      |
| G-141518                  | 173834                 | 65                        | 15027800            |                                      |
| G-141860                  | 177863                 | 45                        | 26236544            |                                      |
| G-142036                  | 170682                 | 40                        | 13934900            | supplemental well                    |
| G-142430                  | 178761                 | 130                       | 16090900            |                                      |
| G-142530                  | 173630                 | 139                       | 54838800            |                                      |
| G-142566                  | 178584                 |                           |                     | Not Used in 2012 - Supplemental Well |
| G-142967                  | 178585                 | 215                       | 92103900            |                                      |
| G-143253                  | 177864                 |                           |                     | Not Used in 2012 - Supplemental Well |
| G-144298                  | 182757                 | 78                        | 38449114            |                                      |
| G-144555                  | 181381                 | 150                       |                     | Not Used in 2012                     |
| G-144716                  | 182053                 | 135                       | 51731200            |                                      |
| G-144783                  | 183104                 | 135                       | 52358100            |                                      |
| G-144784                  | 180131                 | 76                        | 27928703            |                                      |
| G-144823                  | 182952                 | 205                       | 15526500            |                                      |
| G-144980                  | 182209                 | 77                        | 48631600            |                                      |
| G-145042                  | 183105                 | 100                       | 32478000            |                                      |

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| DNR<br>Well Reg # | DNR<br>Well ID | Acres<br>Reported | Gallons Used | Comments   |
|-------------------|----------------|-------------------|--------------|--|
| G-145565-R1       | 190217         | 138.5             | 55344739.72  |  |
| G-145863          | 185009         | 132               | 55057450     |  |
| G-145885          | 178762         | 40                | 12523100     |  |
| G-145993          | 183670         |                   |              | Not Used in 2012 - Supplemental Well                           |
| G-146977          | 180054         | 75                | 45153200     |  |
| G-147456          | 188634         | 65                | 24991726     |  |
| G-147457          | 188635         | 130               | 46344003     |  |
| G-148411          | 189364         | 130               | 40934000     |  |
| G-148565          | 187309         | 131.7             | 3203900.4    | Supplemental Well used 1 circle                                |
| G-148621          | 191026         | 75                | 31099747     |  |
| G-148622          | 190543         | 130               | 4484100      | Supplemental   |
| G-148685          | 188800         | 125               | 67110567.92  |  |
| G-148702          | 189813         | 94                | 69830312     |  |
| G-148743          | 187694         | 100               | 13495538     |  |
| G-149188          | 191318         | 134               | 60528700     |  |
| G-149618          | 192106         | 132               | 37470619     |  |
| G-149663          | 191521         | 70                | 31718044     |  |
| G-149890          | 191025         | 87                | 21407398     | Grass  |
| G-150891          | 187697         |                   |              | Not Used in 2012 - Supplemental Well                           |
| G-151663          | 191248         | 62                | 27953685     |  |
| G-152478          | 197495         | 130               | 9192715.1    |  |
| G-152676          | 191017         | 125               | 37185230     |  |
| G-152707          | 197427         | 135               | 25640300     |  |
| G-153081          | 197627         | 68                | 25750138     |  |
| G-153624          | 199985         | 100               | 26616893.88  |  |
| G-157641          | 202660         | 135               | 2122899.7    |  |
| G-158114          | 208108         |                   |              | Not Used in 2012   |
| G-159284          | 208463         | 162.8             | 71674612     |  |
| G-161020          | 213049         | 128               | 75612900     |  |
| G-161031          | 214156         | 30                | 24300000     | He is not sure on the beginning reading. Estimated from hours, |
| A-005527          | 1006           | 130.8             | 52546800     |  |

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| DNR Well Reg # | DNR Well ID  | Acres Reported   | Gallons Used             | Comments  |
|----------------|--------------|------------------|--------------------------|---|
| A-005544-R1    | 113944       | 135              | 54061100                 |   |
| A-005573-R1    | 203922       | 75               | 69420700                 |   |
| A-005616       | 1053         | 129.7            | 56317124                 |   |
| A-005851-R1    | 1223         | 151              | 39654000                 |   |
| A-005964B-R1   | 182843       | 124              | 44659097.64              |   |
| A-005987       | 1325         | 73.51            | 46502500                 | putting up pivot in 2013  |
| A-006470       | 1647         | 130              | 60738338                 |   |
| A-006862       | 1917         | 148              | 81650500                 |   |
| A-008164-R1    | 174548       | 150              | 82940600                 |   |
| G-000317-R1    | 3578         | 132              | 35930500                 |   |
| G-000559       | 3859         | 97               | 52301300                 |   |
| G-000597-R1    | 207683       | 135              | 44042973.38              |   |
| G-000671-R1    | 3992         | 300              | 88120700                 |   |
| G-001127       | 4516         | 130              | 54678109.02              | Had cover crop last fall  |
| G-001152       | 4544         |                  |                          | Not Used in 2012 - Supplemental Well                                |
| G-001228-R1    | 92085        | 73               | 74196100                 |   |
| G-001374       | 4800         | 140              | 34510700                 |   |
| G-001498       | 4954         | 143.49           | 44369000                 | 21.6 total acres  |
| G-002216-R1    | 166014       | 128              | 49158300                 |   |
| G-002383-R1    | 128836       | 132              | 42539500                 |   |
| G-003468       | 7201         | 77               | 55326000                 |   |
| G-005097-R1    | 114236       | 137              | 55267700                 |   |
| G-005392       | 9390         |                  |                          | Not Used in 2012 - Supplemental Well                                |
| G-060797-R1    | 212228       | 100              | 13754200                 | G water transfer in 2012 requires meter                             |
| G-029951-R1    | TBRP-G029951 | 40               | 17910778                 |   |
| G-010388-R1    | 213868       | 65               | 14885008                 |   |
| G-055521       | 63130        | 136.8            | 102118047.8              |   |
| G-021193       | 27482        | 124              | 44351985                 |   |
| G-043276-R1    | 169041       | 130              | 45725435                 |   |
| G-000273-R1    | 98237        | 130              | 78000000                 | Did not have beginning reading/Ending reading represents 2 years of |
| G-030265       | 37128        | 50               | 67800000                 | Estimate - figured from hours-EQIP pivot reporting not required.    |
|                |              | <b>39,016.12</b> | <b>14,956,295,687.54</b> | <b>45,899.18 acre feet Reported</b>                                 |

**Tri-Basin NRD Platte Basin No Till Acres - 2012 Platte Basin Annual Report  
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| DNR Well Reg | Legal Location | T Ship | Range | Section | Irrigated Acres | Tillage Practice |
|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-084458     | SE 1/4         | 5      | 16    | 6       | 154             | No Till          |
| G-023406-R1  | SW 1/4         | 5      | 16    | 7       | 126.48          | No Till          |
| G-030567-R1  | NE 1/4         | 5      | 16    | 7       | 131.56          | No Till          |
| G-051674     | NW 1/4         | 5      | 16    | 8       | 43              | No Till          |
| G-025915     | SW 1/4         | 5      | 16    | 8       | 80              | No Till          |
| G-069714     | NE 1/4         | 5      | 16    | 8       | 130             | No Till          |
| G-025143-R1  | SE 1/4         | 5      | 16    | 9       | 158             | No Till          |
| G-016386     | SW 1/4         | 5      | 16    | 17      | 7               | No Till          |
| G-061236     | SW 1/4         | 5      | 16    | 17      | 61              | No Till          |
| G-016226-R1  | NW 1/4         | 5      | 16    | 17      | 72              | No Till          |
| G-039418     | NE 1/4         | 5      | 16    | 18      | 76              | No Till          |
| G-084459     | NE 1/4         | 5      | 16    | 18      | 77              | No Till          |
| G-130632     | SW of NW 1/4   | 5      | 16    | 18      | 115             | No Till          |
| G-115336     | SW 1/4         | 5      | 16    | 19      | 64              | No Till          |
| G-086748     | NW 1/4         | 5      | 16    | 19      | 122             | No Till          |
| G-127045     | SE of SE 1/4   | 5      | 16    | 19      | 130             | No Till          |
| G-071117     | SW 1/4         | 5      | 16    | 20      | 65              | No Till          |
| G-030857     | NW 1/4         | 5      | 16    | 21      | 14              | No Till          |
| G-006759     | SE 1/4         | 5      | 16    | 21      | 72              | No Till          |
| G-064303     | NW 1/4         | 5      | 16    | 21      | 150             | No Till          |
| G-039492     | SW 1/4         | 5      | 16    | 21      | 160             | No Till          |
| G-008191     | SE 1/4         | 5      | 16    | 22      | 66.7            | No Till          |
| G-002334     | SW 1/4         | 5      | 16    | 22      | 180             | No Till          |
| G-068947     | NE 1/4         | 5      | 16    | 23      | 140             | No Till          |
| G-013965     | SW 1/4         | 5      | 16    | 23      | 155             | No Till          |
| G-013352-R1  | SW 1/4         | 5      | 16    | 24      | 65              | No Till          |
| G-030229-R1  | NE 1/4         | 5      | 16    | 24      | 125             | No Till          |
| G-036359     | SW 1/4         | 5      | 16    | 25      | 43              | Minimum Till     |
| G-021852-R1  | NE 1/4         | 5      | 16    | 25      | 135             | Minimum Till     |
| G-036360     | SE 1/4         | 5      | 16    | 25      | 135             | Minimum Till     |
| G-052524     | NE 1/4         | 5      | 16    | 25      | 135             | Minimum Till     |
| G-052523     | NW 1/4         | 5      | 16    | 25      | 135             | Minimum Till     |
| G-131016     | SW of SW 1/4   | 5      | 16    | 25      | 135             | Minimum Till     |
| G-023474-R1  | NE 1/4         | 5      | 16    | 26      | 80              | No Till          |
| G-011958-R1  | NW 1/4         | 5      | 16    | 26      | 80              | No Till          |
| G-029462-R1  | SE 1/4         | 5      | 16    | 26      | 153             | No Till          |
| G-053935     | NE 1/4         | 5      | 16    | 27      | 48.8            | No Till          |
| G-001416     | NW 1/4         | 5      | 16    | 27      | 112             | No Till          |

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| DNR Well Reg | Legal Location                     | T Ship | Range | Section | Irrigated Acres | Tillage Practice |
|--------------|------------------------------------|--------|-------|---------|-----------------|------------------|
| G-045032     | SW 1/4                             | 5      | 16    | 27      | 135             | No Till          |
| G-085124     | SE 1/4                             | 5      | 16    | 28      | 124             | No Till          |
| G-017750-R1  | NW 1/4                             | 5      | 16    | 28      | 140             | No Till          |
| G-028128     | SW 1/4                             | 5      | 16    | 28      | 155             | No Till          |
| G-013963     | NE 1/4                             | 5      | 16    | 29      | 41              | No Till          |
| G-067052-R1  | SW 1/4                             | 5      | 16    | 29      | 74              | No Till          |
| G-037547     | NE 1/4                             | 5      | 16    | 29      | 120             | No Till          |
| G-065030     | SE 1/4                             | 5      | 16    | 29      | 155             | No Till          |
| G-061237     | SE 1/4                             | 5      | 16    | 30      | 80              | No Till          |
| G-025819     | NE 1/4                             | 5      | 16    | 30      | 130             | No Till          |
| G-020298-R1  | NW 1/4                             | 5      | 16    | 30      | 130             | No Till          |
| G-142531     | SE 1/4                             | 5      | 16    | 31      | 100             | No Till          |
| G-073478     | NE 1/4                             | 5      | 16    | 31      | 111             | No Till          |
| G-022810     | SE 1/4                             | 5      | 16    | 32      | 100             | No Till          |
| G-082106     | NE 1/4                             | 5      | 16    | 32      | 110             | No Till          |
| G-002716-R1  | NE 1/4                             | 5      | 16    | 33      | 125             | No Till          |
| G-082492     | NW 1/4                             | 5      | 16    | 33      | 153             | No Till          |
| G-073794     | SE 1/4                             | 5      | 16    | 34      | 17              | No Till          |
| G-039968     | NE 1/4                             | 5      | 16    | 34      | 130             | No Till          |
| G-074967     | SW 1/4                             | 5      | 16    | 34      | 151             | No Till          |
| G-062901     | SE 1/4                             | 5      | 16    | 35      | 158             | Minimum Till     |
| G-050365     | SW 1/4                             | 5      | 16    | 35      | 65              | No Till          |
| G-056321     | NE 1/4                             | 5      | 16    | 35      | 125             | No Till          |
| G-002671-R1  | NW 1/4                             | 5      | 16    | 35      | 130             | No Till          |
| G-080721     | NE 1/4                             | 5      | 16    | 35      | 152             | No Till          |
| G-030141-R1  | SW 1/4                             | 5      | 16    | 36      | 135             | No Till          |
| G-076893     | NW 1/4                             | 5      | 16    | 36      | 145             | No Till          |
| G-074588     | SE 1/4                             | 5      | 16    | 36      | 150             | No Till          |
| G-010454-R2  | lots 11, 12, 17, & 18              | 5      | 17    | 6       | 70              | No Till          |
| G-018114     | lots 13, 14, pts of 15, 16         | 5      | 17    | 6       | 85              | No Till          |
| G-062245     | pts of S2 of NE 1/4 & N2 of SE 1/4 | 5      | 17    | 7       | 118             | No Till          |
| G-063852     | NE 1/4                             | 5      | 17    | 7       | 132             | No Till          |
| G-032082     | NE 1/4                             | 5      | 17    | 9       | 139             | No Till          |
| G-001336-R1  | NE 1/4                             | 5      | 17    | 10      | 105             | No Till          |
| G-033160     | NW 1/4                             | 5      | 17    | 10      | 132             | No Till          |
| G-025032-R1  | NE 1/4                             | 5      | 17    | 13      | 70              | No Till          |
| G-052826     | NW 1/4                             | 5      | 17    | 13      | 130             | No Till          |

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| DNR Well Reg | Legal Location         | T Ship | Range | Section | Irrigated Acres | Tillage Practice |
|--------------|------------------------|--------|-------|---------|-----------------|------------------|
| G-031733     | SW 1/4                 | 5      | 17    | 13      | 131.3           | No Till          |
| G-083647     | SW 1/4                 | 5      | 17    | 14      | 67.3            | No Till          |
| G-072383     | NE 1/4                 | 5      | 17    | 14      | 113.5           | No Till          |
| G-087522     | NW 1/4                 | 5      | 17    | 14      | 131.99          | No Till          |
| G-000125-R1  | SE 1/4                 | 5      | 17    | 14      | 132             | No Till          |
| G-035141-R1  | SE 1/4                 | 5      | 17    | 15      | 62              | No Till          |
| G-055469     | SE 1/4                 | 5      | 17    | 16      | 65              | No Till          |
| G-035422     | SW 1/4                 | 5      | 17    | 16      | 120             | No Till          |
| G-146199     | NE1/4                  | 5      | 17    | 16      | 124.5           | No Till          |
| G-067725     | NE 1/4                 | 5      | 17    | 16      | 130             | No Till          |
| G-071535     | lots 13 & pt S2 lot 12 | 5      | 17    | 18      | 59              | No Till          |
| G-029189     | lots 3, 4, 5, & 6      | 5      | 17    | 18      | 148             | No Till          |
| G-056887-R1  | lots 1, 2, 7, & 8      | 5      | 17    | 18      | 155             | No Till          |
| G-061141     | NW 1/4                 | 5      | 17    | 20      | 130             | No Till          |
| G-074567     | NE 1/4                 | 5      | 17    | 22      | 63              | No Till          |
| G-036947-R1  | SE 1/4                 | 5      | 17    | 23      | 65              | No Till          |
| G-076846     | SW 1/4                 | 5      | 17    | 23      | 100             | No Till          |
| G-056707     | NE 1/4                 | 5      | 17    | 23      | 116             | No Till          |
| G-091805     | NW 1/4                 | 5      | 17    | 24      | 65              | Minimum Till     |
| G-020559     | NE 1/4                 | 5      | 17    | 24      | 65.4            | No Till          |
| G-025073-R1  | SE 1/4                 | 5      | 17    | 24      | 130             | No Till          |
| G-067974     | SW 1/4                 | 5      | 17    | 24      | 130             | No Till          |
| G-069535     | SE 1/4                 | 5      | 17    | 25      | 53              | No Till          |
| G-028013-R1  | NE 1/4                 | 5      | 17    | 25      | 130             | No Till          |
| G-048083     | NW 1/4                 | 5      | 17    | 25      | 130             | No Till          |
| G-007969     | SW 1/4                 | 5      | 17    | 26      | 55              | No Till          |
| G-128350     | NE of NE 1/4           | 5      | 17    | 26      | 63              | No Till          |
| G-056775     | NW 1/4                 | 5      | 17    | 26      | 130             | No Till          |
| G-128351     | SW of SE 1/4           | 5      | 17    | 26      | 170             | No Till          |
| G-063123     | SE 1/4                 | 5      | 17    | 29      | 214             | No Till          |
| G-068048     | lots 3, 5, 4, & 6      | 5      | 17    | 30      | 136             | No Till          |
| G-074324     | lots 11, 12, 13, & 14  | 5      | 17    | 31      | 141             | No Till          |
| G-053486     | SE 1/4                 | 5      | 17    | 33      | 62              | No Till          |
| G-025739     | SW 1/4                 | 5      | 17    | 33      | 65              | No Till          |
| G-051199     | SW 1/4                 | 5      | 17    | 33      | 65              | No Till          |
| G-134304     | NW of SE 1/4           | 5      | 17    | 34      | 25              | No Till          |
| G-001694     | SW 1/4                 | 5      | 17    | 34      | 41              | No Till          |
| G-028120     | NW 1/4                 | 5      | 17    | 34      | 66              | No Till          |

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| DNR Well Reg | Legal Location | T Ship | Range | Section | Irrigated Acres | Tillage Practice |
|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-024353     | NE 1/4         | 5      | 17    | 34      | 130             | No Till          |
| G-051378     | SE 1/4         | 5      | 17    | 35      | 122             | No Till          |
| G-030282     | NE 1/4         | 5      | 17    | 35      | 122             | No Till          |
| G-054318     | NE 1/4         | 5      | 17    | 36      | 55              | No Till          |
| G-029273-R1  | NW 1/4         | 5      | 17    | 36      | 65              | No Till          |
| G-047270-R1  | SE 1/4         | 5      | 18    | 1       | 65              | No Till          |
| G-036448     | NE 1/4         | 5      | 18    | 6       | 45              | No Till          |
| G-023376     | SW 1/4         | 5      | 18    | 6       | 78              | No Till          |
| G-003499     | NW 1/4         | 5      | 18    | 7       | 56              | No Till          |
| G-090257     | SE 1/4         | 5      | 18    | 10      | 83              | No Till          |
| G-074474     | NE 1/4         | 5      | 18    | 10      | 125             | No Till          |
| G-024376     | SW 1/4         | 5      | 18    | 12      | 65              | No Till          |
| G-062292B    | SE 1/4         | 5      | 18    | 13      | 156.5           | No Till          |
| G-027808     | SE 1/4         | 5      | 18    | 16      | 97              | No Till          |
| G-048441     | NE 1/4         | 5      | 18    | 16      | 110.5           | No Till          |
| G-028692-R1  | SW 1/4         | 5      | 18    | 17      | 130             | No Till          |
| G-072462     | SE 1/4         | 5      | 18    | 17      | 134             | No Till          |
| G-037902     | NE 1/4         | 5      | 18    | 17      | 156             | No Till          |
| G-066990     | NW 1/4         | 5      | 18    | 17      | 156             | No Till          |
| G-021705     | NW 1/4         | 5      | 18    | 18      | 76              | No Till          |
| G-095680     | NE 1/4         | 5      | 18    | 18      | 130             | No Till          |
| G-059221-R1  | SE 1/4         | 5      | 18    | 19      | 135             | No Till          |
| G-072701     | NW 1/4         | 5      | 18    | 20      | 130             | No Till          |
| G-005936     | SW 1/4         | 5      | 18    | 20      | 130             | No Till          |
| G-062981     | NE 1/4         | 5      | 18    | 21      | 145.5           | No Till          |
| G-048442     | SW 1/4         | 5      | 18    | 22      | 20              | No Till          |
| G-044991     | SE 1/4         | 5      | 18    | 22      | 132             | No Till          |
| G-022590     | NW 1/4         | 5      | 18    | 22      | 157             | No Till          |
| G-031620     | NW 1/4         | 5      | 18    | 23      | 66.6            | No Till          |
| G-070513     | SW 1/4         | 5      | 18    | 23      | 155.5           | No Till          |
| G-129695     | NW of SW 1/4   | 5      | 18    | 25      | 69.1            | No Till          |
| G-062149     | SE 1/4         | 5      | 18    | 26      | 117.5           | No Till          |
| G-044992     | SW 1/4         | 5      | 18    | 27      | 60              | Minimum Till     |
| G-031086     | SE 1/4         | 5      | 18    | 27      | 72              | No Till          |
| G-050678     | NE 1/4         | 5      | 18    | 27      | 153.5           | No Till          |
| G-022924     | SW 1/4         | 5      | 18    | 28      | 114             | No Till          |
| G-041704     | SW 1/4         | 5      | 18    | 30      | 68              | No Till          |
| G-000802-R1  | NW 1/4         | 5      | 18    | 30      | 136             | No Till          |

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|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-040134     | NW 1/4         | 5      | 18    | 31      | 126             | No Till          |
| G-069042     | SW 1/4         | 5      | 18    | 31      | 134             | No Till          |
| G-023075     | NE 1/4         | 5      | 18    | 31      | 162.5           | No Till          |
| G-042013     | NW 1/4         | 5      | 18    | 32      | 105             | No Till          |
| G-129056     | NE of NE 1/4   | 5      | 18    | 32      | 133             | No Till          |
| G-022971     | SE 1/4         | 5      | 18    | 32      | 137             | No Till          |
| G-057046     | SW 1/4         | 5      | 18    | 32      | 145             | No Till          |
| G-045830     | NW 1/4         | 5      | 18    | 33      | 92              | No Till          |
| G-037900     | NW 1/4         | 5      | 18    | 35      | 131             | Minimum Till     |
| G-030725     | SE 1/4         | 5      | 18    | 35      | 74              | No Till          |
| G-050229     | NE 1/4         | 5      | 18    | 35      | 128             | No Till          |
| G-119626     | SE of SE 1/4   | 5      | 18    | 36      | 65              | No Till          |
| G-026055-R1  | NW 1/4         | 5      | 19    | 1       | 135             | No Till          |
| G-055772     | NE 1/4         | 5      | 19    | 2       | 82              | No Till          |
| G-036205     | NE 1/4         | 5      | 19    | 3       | 80              | No Till          |
| G-023062     | SW 1/4         | 5      | 19    | 4       | 150             | No Till          |
| G-031992     | SW 1/4         | 5      | 19    | 5       | 130             | No Till          |
| G-044680     | NE 1/4         | 5      | 19    | 5       | 146             | No Till          |
| G-051576     | SE 1/4         | 5      | 19    | 5       | 150             | No Till          |
| G-060748     | NE 1/4         | 5      | 19    | 6       | 128             | Minimum Till     |
| G-039462     | SE 1/4         | 5      | 19    | 6       | 134             | Minimum Till     |
| G-120087     | Cent of SW 1/4 | 5      | 19    | 6       | 59.4            | No Till          |
| G-029428     | NW 1/4         | 5      | 19    | 6       | 136             | No Till          |
| G-039385     | NW 1/4         | 5      | 19    | 7       | 69              | No Till          |
| G-115304     | SE             | 5      | 19    | 7       | 127             | No Till          |
| G-005935     | NE 1/4         | 5      | 19    | 7       | 130             | No Till          |
| G-039461     | NW 1/4         | 5      | 19    | 8       | 130             | Minimum Till     |
| G-025108     | NE 1/4         | 5      | 19    | 8       | 125             | No Till          |
| G-052581     | SE 1/4         | 5      | 19    | 8       | 142             | No Till          |
| G-025126     | SW 1/4         | 5      | 19    | 9       | 120             | No Till          |
| G-061775     | NE 1/4         | 5      | 19    | 9       | 136             | No Till          |
| G-025077     | NW 1/4         | 5      | 19    | 9       | 143             | No Till          |
| G-001256     | SE 1/4         | 5      | 19    | 9       | 150             | No Till          |
| G-000540     | SE 1/4         | 5      | 19    | 11      | 87              | No Till          |
| G-041783     | SE 1/4         | 5      | 19    | 11      | 130             | No Till          |
| G-041441     | NW 1/4         | 5      | 19    | 11      | 130             | No Till          |
| G-012366     | NE 1/4         | 5      | 19    | 11      | 138             | No Till          |
| G-024222     | SW 1/4         | 5      | 19    | 11      | 147             | No Till          |

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|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-022334     | NW 1/4         | 5      | 19    | 12      | 7               | No Till          |
| G-056969     | NW 1/4         | 5      | 19    | 12      | 140             | No Till          |
| G-025998     | SW 1/4         | 5      | 19    | 13      | 48              | No Till          |
| G-086015     | SW 1/4         | 5      | 19    | 13      | 148             | No Till          |
| G-040491     | SE 1/4         | 5      | 19    | 13      | 152             | No Till          |
| G-045600     | NW 1/4         | 5      | 19    | 14      | 124             | No Till          |
| G-020404     | SW 1/4         | 5      | 19    | 14      | 130             | No Till          |
| G-027644     | NE 1/4         | 5      | 19    | 14      | 150             | No Till          |
| G-129594     | NE of NE 1/4   | 5      | 19    | 16      | 51              | No Till          |
| G-024757     | SW 1/4         | 5      | 19    | 17      | 145             | No Till          |
| G-134076     | SW of NW 1/4   | 5      | 19    | 17      | 150             | No Till          |
| G-032103-R1  | NW NW 1/4      | 5      | 19    | 18      | 75              | No Till          |
| G-023624     | SE 1/4         | 5      | 19    | 18      | 162             | No Till          |
| G-090649     | NE 1/4         | 5      | 19    | 19      | 132             | No Till          |
| G-015987     | SW 1/4         | 5      | 19    | 19      | 147.5           | No Till          |
| G-109792     | NW 1/4         | 5      | 19    | 19      | 156             | No Till          |
| G-034163     | NE 1/4         | 5      | 19    | 20      | 149.3           | No Till          |
| G-073389     | NW 1/4         | 5      | 19    | 20      | 155.5           | No Till          |
| G-059220     | SW 1/4         | 5      | 19    | 20      | 157             | No Till          |
| G-049914     | NE 1/4         | 5      | 19    | 22      | 65              | No Till          |
| G-032374     | SW 1/4         | 5      | 19    | 22      | 149             | No Till          |
| G-026301     | NE 1/4         | 5      | 19    | 23      | 150             | No Till          |
| G-116848     | SW 1/4         | 5      | 19    | 23      | 151             | No Till          |
| G-032287     | SW 1/4         | 5      | 19    | 24      | 132             | No Till          |
| G-072466     | SE 1/4         | 5      | 19    | 25      | 119             | No Till          |
| G-073420     | NE 1/4         | 5      | 19    | 25      | 130             | No Till          |
| G-034186     | SW 1/4         | 5      | 19    | 25      | 133             | No Till          |
| G-028487     | SW 1/4         | 5      | 19    | 26      | 136             | No Till          |
| G-024341     | NE 1/4         | 5      | 19    | 26      | 140             | No Till          |
| G-049567     | SE 1/4         | 5      | 19    | 26      | 140             | No Till          |
| G-025202     | NW 1/4         | 5      | 19    | 26      | 140             | No Till          |
| G-036688     | NW 1/4         | 5      | 19    | 27      | 73.5            | No Till          |
| G-039990     | SW 1/4         | 5      | 19    | 27      | 146             | No Till          |
| G-054401     | SW 1/4         | 5      | 19    | 28      | 134             | No Till          |
| G-022155     | NE 1/4         | 5      | 19    | 28      | 148             | No Till          |
| G-037484     | NW 1/4         | 5      | 19    | 29      | 152             | No Till          |
| G-029791     | SE 1/4         | 5      | 19    | 29      | 158             | No Till          |
| G-094006     | SW 1/4         | 5      | 19    | 29      | 159             | No Till          |

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|--------------|-----------------------|--------|-------|---------|-----------------|------------------|
| G-094233     | NE 1/4                | 5      | 19    | 31      | 21              | No Till          |
| G-096952     | NW 1/4                | 5      | 19    | 31      | 127             | No Till          |
| G-096953     | SW 1/4                | 5      | 19    | 31      | 135             | No Till          |
| G-094234     | SE 1/4                | 5      | 19    | 31      | 163             | No Till          |
| G-053938     | NE 1/4                | 5      | 19    | 32      | 70              | Minimum Till     |
| G-025704     | SW 1/4                | 5      | 19    | 33      | 120             | Minimum Till     |
| G-042011     | NE 1/4                | 5      | 19    | 33      | 80              | No Till          |
| G-044270     | SE 1/4                | 5      | 19    | 34      | 130             | No Till          |
| G-025056     | NE 1/4                | 5      | 19    | 35      | 140             | No Till          |
| G-018340-R1  | SE 1/4                | 5      | 19    | 35      | 148             | No Till          |
| G-024073     | SE 1/4                | 5      | 19    | 35      | 148             | No Till          |
| G-025164     | NW 1/4                | 5      | 19    | 35      | 153             | No Till          |
| G-106128     | SE 1/4                | 5      | 19    | 36      | 127             | No Till          |
| G-030784     | SW 1/4                | 5      | 19    | 36      | 130             | No Till          |
| G-040116     | NE 1/4                | 5      | 19    | 36      | 130             | No Till          |
| G-086858     | NW 1/4                | 5      | 19    | 36      | 150             | No Till          |
| G-086432     | NW 1/4                | 6      | 16    | 4       | 67              | No Till          |
| G-123407     | NE 1/4                | 6      | 16    | 5       | 135             | No Till          |
| G-057571     | NW 1/4                | 6      | 16    | 32      | 134.6           | No Till          |
| G-081367     | SW 1/4                | 6      | 16    | 32      | 167             | No Till          |
| G-130559     | SW of SW 1/4          | 6      | 17    | 3       | 154.5           | No Till          |
| G-132996     | SW of NW 1/4          | 6      | 17    | 5       | 67              | No Till          |
| G-100986     | lots pts 5, 6, 7, & 8 | 6      | 17    | 6       | 132             | Minimum Till     |
| G-132544     | SE of SE 1/4          | 6      | 17    | 7       | 123             | Minimum Till     |
| G-133416     | NW of NW 1/4          | 6      | 17    | 8       | 55              | No Till          |
| G-013487     | SW 1/4                | 6      | 17    | 8       | 65              | No Till          |
| G-044894-R1  | NE 1/4                | 6      | 17    | 9       | 152             | No Till          |
| G-027040     | NE 1/4                | 6      | 17    | 11      | 97              | No Till          |
| G-132798     | NE of NE 1/4          | 6      | 17    | 17      | 10              | No Till          |
| G-039975     | SE 1/4                | 6      | 17    | 18      | 50              | No Till          |
| G-130755     | SE of NW 1/4          | 6      | 17    | 21      | 75              | Minimum Till     |
| G-036220-R1  | NE 1/4                | 6      | 17    | 23      | 227             | No Till          |
| G-060677     | SW 1/4                | 6      | 17    | 25      | 67              | Minimum Till     |
| G-126657     | NW of NW 1/4          | 6      | 17    | 25      | 73.7            | No Till          |
| G-068903     | NE 1/4                | 6      | 17    | 26      | 133.5           | No Till          |
| G-033196-R1  | SE 1/4                | 6      | 17    | 26      | 150             | No Till          |
| G-026335     | SE 1/4                | 6      | 17    | 28      | 72              | No Till          |
| G-074132     | SE 1/4                | 6      | 17    | 31      | 139             | No Till          |

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|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-026426     | SE 1/4         | 6      | 17    | 32      | 144             | No Till          |
| G-065571     | SW 1/4         | 6      | 17    | 32      | 150             | No Till          |
| G-047646     | SW 1/4         | 6      | 17    | 34      | 65              | No Till          |
| G-074644     | NE 1/4         | 6      | 17    | 35      | 68              | No Till          |
| G-015957-R1  | SW 1/4         | 6      | 18    | 1       | 150             | Minimum Till     |
| G-029699     | SE 1/4         | 6      | 18    | 1       | 65              | No Till          |
| G-061063     | NE 1/4         | 6      | 18    | 2       | 38              | Minimum Till     |
| G-045831     | NW 1/4         | 6      | 18    | 2       | 40              | Minimum Till     |
| G-067045     | SE 1/4         | 6      | 18    | 2       | 40              | Minimum Till     |
| G-069282     | SW 1/4         | 6      | 18    | 3       | 126             | No Till          |
| G-131624     | SW of NW 1/4   | 6      | 18    | 7       | 112.4           | No Till          |
| G-133181     | NW of SE 1/4   | 6      | 18    | 7       | 195             | No Till          |
| G-135942     | SE of SE 1/4   | 6      | 18    | 8       | 10              | No Till          |
| G-023699-R1  | NW 1/4         | 6      | 18    | 9       | 54              | No Till          |
| G-133038     | NE 1/4         | 6      | 18    | 9       | 64              | No Till          |
| G-008028     | NW 1/4         | 6      | 18    | 10      | 126             | No Till          |
| G-015956-R1  | NW 1/4         | 6      | 18    | 12      | 135             | Minimum Till     |
| G-063234     | SW 1/4         | 6      | 18    | 12      | 136             | Minimum Till     |
| G-015125     | NE 1/4         | 6      | 18    | 12      | 150             | Minimum Till     |
| G-040036-R1  | SW 1/4         | 6      | 18    | 15      | 58.14           | Minimum Till     |
| G-013612-R1  | NW 1/4         | 6      | 18    | 15      | 153.2           | No Till          |
| G-129356     | NE 1/4         | 6      | 18    | 16      | 66              | No Till          |
| G-031315     | SE 1/4         | 6      | 18    | 16      | 130             | No Till          |
| G-130635     | SE of NE 1/4   | 6      | 18    | 17      | 19              | Minimum Till     |
| G-050203     | SE 1/4         | 6      | 18    | 17      | 62.3            | Minimum Till     |
| G-071933     | SW 1/4         | 6      | 18    | 17      | 128             | No Till          |
| G-130452     | NE of NW 1/4   | 6      | 18    | 17      | 140             | No Till          |
| G-024607     | SE 1/4         | 6      | 18    | 18      | 128.5           | Minimum Till     |
| G-030693-R1  | NW 1/4         | 6      | 18    | 20      | 137             | No Till          |
| G-041561-R1  | NE 1/4         | 6      | 18    | 20      | 152.5           | No Till          |
| G-044283     | SE 1/4         | 6      | 18    | 20      | 157.5           | No Till          |
| G-008006-R1  | SW 1/4         | 6      | 18    | 21      | 125             | No Till          |
| G-069776     | SE 1/4         | 6      | 18    | 21      | 162             | No Till          |
| G-004679     | SW 1/4         | 6      | 18    | 22      | 32.7            | No Till          |
| G-045284     | SE 1/4         | 6      | 18    | 22      | 65              | No Till          |
| G-059302-R1  | SE of NW       | 6      | 18    | 22      | 154             | No Till          |
| G-041717-R1  | SE 1/4         | 6      | 18    | 23      | 97              | Minimum Till     |
| G-028924     | SW 1/4         | 6      | 18    | 25      | 137             | No Till          |

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|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-026280     | NW 1/4         | 6      | 18    | 27      | 136             | No Till          |
| G-003515     | SE 1/4         | 6      | 18    | 28      | 65              | No Till          |
| G-057628     | NE 1/4         | 6      | 18    | 29      | 100             | No Till          |
| G-023074     | SE 1/4         | 6      | 18    | 31      | 60              | No Till          |
| G-041560     | NW 1/4         | 6      | 18    | 31      | 130             | No Till          |
| G-035251     | NE 1/4         | 6      | 18    | 31      | 159             | No Till          |
| G-030104     | SW 1/4         | 6      | 18    | 32      | 86              | No Till          |
| G-026164-R1  | NW 1/4         | 6      | 18    | 32      | 150.3           | No Till          |
| G-036447-R1  | NE 1/4         | 6      | 19    | 1       | 134             | No Till          |
| G-045549-R1  | SE 1/4         | 6      | 19    | 2       | 142             | No Till          |
| G-014651     | SW 1/4         | 6      | 19    | 2       | 151.3           | No Till          |
| G-088498     | SW 1/4         | 6      | 19    | 5       | 140             | Minimum Till     |
| G-033788     | SW 1/4         | 6      | 19    | 7       | 126.6           | Minimum Till     |
| G-132512     | NE of NE 1/4   | 6      | 19    | 7       | 70              | No Till          |
| G-040343-R1  | SW 1/4         | 6      | 19    | 8       | 135             | No Till          |
| G-060618     | SE 1/4         | 6      | 19    | 9       | 73              | Minimum Till     |
| G-036476     | SW 1/4         | 6      | 19    | 9       | 145             | Minimum Till     |
| G-025733     | NE 1/4         | 6      | 19    | 9       | 130             | No Till          |
| G-044779     | NW 1/4         | 6      | 19    | 9       | 133             | No Till          |
| G-068951     | NW 1/4         | 6      | 19    | 10      | 55              | No Till          |
| G-042443     | SW 1/4         | 6      | 19    | 11      | 136             | No Till          |
| G-025235-R1  | NE NW 1/4      | 6      | 19    | 12      | 157             | No Till          |
| G-072918     | NW 1/4         | 6      | 19    | 13      | 50              | No Till          |
| G-114016     |                | 6      | 19    | 13      | 229             | No Till          |
| G-025757-R1  | NW SW 1/4      | 6      | 19    | 13      | 294.5           | No Till          |
| G-025815-R1  | SW 1/4         | 6      | 19    | 14      | 155             | No Till          |
| G-029041     | NE 1/4         | 6      | 19    | 15      | 72              | Minimum Till     |
| G-019980     | SE 1/4         | 6      | 19    | 15      | 90              | Minimum Till     |
| G-058068-R1  | SE 1/4         | 6      | 19    | 15      | 106             | Minimum Till     |
| G-000854     | SW 1/4         | 6      | 19    | 15      | 115             | Minimum Till     |
| G-035917     | SE 1/4         | 6      | 19    | 17      | 139             | Minimum Till     |
| G-032462-R1  | SW 1/4         | 6      | 19    | 17      | 62              | No Till          |
| G-074330     | SW 1/4         | 6      | 19    | 19      | 67              | No Till          |
| G-074365     | SE 1/4         | 6      | 19    | 21      | 122             | Minimum Till     |
| G-129257     | NW of NW 1/4   | 6      | 19    | 21      | 136             | No Till          |
| G-040622     | SW 1/4         | 6      | 19    | 22      | 77              | Minimum Till     |
| G-026550     | SW 1/4         | 6      | 19    | 23      | 80              | No Till          |
| G-013985     | NE 1/4         | 6      | 19    | 23      | 109.5           | No Till          |

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|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-009669     | NE 1/4         | 6      | 19    | 24      | 130             | No Till          |
| G-025168     | SW 1/4         | 6      | 19    | 24      | 130             | No Till          |
| G-071119     | NE 1/4         | 6      | 19    | 24      | 130             | No Till          |
| G-031740-R1  | NW 1/4         | 6      | 19    | 24      | 140             | No Till          |
| G-039540     | SW 1/4         | 6      | 19    | 25      | 140             | No Till          |
| G-048259     | NE 1/4         | 6      | 19    | 25      | 290             | No Till          |
| G-073120     | SW 1/4         | 6      | 19    | 26      | 90              | No Till          |
| G-040169-R1  | NE 1/4         | 6      | 19    | 26      | 130             | No Till          |
| G-094725     | NW 1/4         | 6      | 19    | 26      | 218             | No Till          |
| G-086171     | NE 1/4         | 6      | 19    | 27      | 138             | Minimum Till     |
| G-026085     | SE 1/4         | 6      | 19    | 27      | 130             | No Till          |
| G-074863     | SW 1/4         | 6      | 19    | 27      | 157             | No Till          |
| G-052078     | SE 1/4         | 6      | 19    | 28      | 62              | Minimum Till     |
| G-129577     | SW 1/4         | 6      | 19    | 28      | 55              | No Till          |
| G-020391     | SW 1/4         | 6      | 19    | 29      | 76.5            | No Till          |
| G-038040     | NE 1/4         | 6      | 19    | 29      | 144             | No Till          |
| G-041182     | SW 1/4         | 6      | 19    | 30      | 130             | No Till          |
| G-007767     | NE of SE       | 6      | 19    | 30      | 151.2           | No Till          |
| G-052273     | SE 1/4         | 6      | 19    | 31      | 25              | Minimum Till     |
| G-035734     | SW 1/4         | 6      | 19    | 31      | 87              | No Till          |
| G-073711     | NE 1/4         | 6      | 19    | 31      | 145             | No Till          |
| G-034808     | NW 1/4         | 6      | 19    | 32      | 152             | No Till          |
| G-066511     | SW 1/4         | 6      | 19    | 32      | 152.5           | No Till          |
| G-025703     | SE 1/4         | 6      | 19    | 32      | 154.5           | No Till          |
| G-005987     | NE 1/4         | 6      | 19    | 33      | 135             | No Till          |
| G-001374     | SE 1/4         | 6      | 19    | 33      | 152             | No Till          |
| G-070802     | SW 1/4         | 6      | 19    | 33      | 155             | No Till          |
| G-030448     | NW 1/4         | 6      | 19    | 34      | 130             | No Till          |
| G-027136     | NE 1/4         | 6      | 19    | 34      | 152             | No Till          |
| G-013618     | SW 1/4         | 6      | 19    | 34      | 160             | No Till          |
| G-110137     | SE 1/4         | 6      | 19    | 35      | 130             | No Till          |
| G-062535     | NW 1/4         | 6      | 19    | 35      | 168             | No Till          |
| G-101001     | NE 1/4         | 6      | 19    | 36      | 72              | Minimum Till     |
| G-026244-R1  | NW 1/4         | 6      | 19    | 36      | 101             | Minimum Till     |
| G-024296     | NW 1/4         | 6      | 19    | 36      | 152             | Minimum Till     |
| G-051086     | SE 1/4         | 6      | 19    | 36      | 128             | No Till          |
| G-045402     | NE 1/4         | 6      | 20    | 1       | 130             | Minimum Till     |
| G-060528     | SE 1/4         | 6      | 20    | 1       | 130             | Minimum Till     |

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|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-045273     | SW 1/4         | 6      | 20    | 1       | 130             | Minimum Till     |
| G-001127     | NW 1/4         | 6      | 20    | 1       | 65              | No Till          |
| G-036818     | NW 1/4         | 6      | 20    | 4       | 56              | Minimum Till     |
| G-042269     | NE 1/4         | 6      | 20    | 9       | 144             | No Till          |
| G-043366-R1  | NW 1/4         | 6      | 20    | 10      | 80.54           | No Till          |
| G-041487     | SE 1/4         | 6      | 20    | 10      | 136             | No Till          |
| G-089768     | NE 1/4         | 6      | 20    | 10      | 137             | No Till          |
| G-020401     | SW 1/4         | 6      | 20    | 12      | 4               | Minimum Till     |
| G-002626-R1  | NW 1/4         | 6      | 20    | 12      | 139.7           | Minimum Till     |
| G-133446     | SW of NE 1/4   | 6      | 20    | 14      | 127             | No Till          |
| G-091279     | SE 1/4         | 6      | 20    | 22      | 69              | No Till          |
| G-052804-R1  | SE 1/4         | 6      | 20    | 23      | 30              | Minimum Till     |
| G-041369-R1  | NE 1/4         | 6      | 20    | 23      | 66              | Minimum Till     |
| G-052805-R1  | SE 1/4         | 6      | 20    | 23      | 100             | Minimum Till     |
| G-132076     | NE 1/4         | 6      | 20    | 24      | 75              | Minimum Till     |
| G-132344     | NW 1/4         | 6      | 20    | 24      | 125             | Minimum Till     |
| G-024524-R1  | SW 1/4         | 6      | 20    | 24      | 68              | No Till          |
| G-024728     | SE 1/4         | 6      | 20    | 24      | 134             | No Till          |
| G-026281     | SW 1/4         | 6      | 20    | 25      | 60              | Minimum Till     |
| G-032795     | SE 1/4         | 6      | 20    | 25      | 134             | No Till          |
| G-091179     | NW 1/4         | 6      | 20    | 25      | 135             | No Till          |
| G-033793     | SW 1/4         | 6      | 20    | 27      | 30              | Minimum Till     |
| G-074785     | NW 1/4         | 6      | 20    | 27      | 130             | No Till          |
| G-001239-R1  | SW 1/4         | 6      | 20    | 27      | 173             | No Till          |
| G-062683     | SW 1/4         | 6      | 20    | 29      | 77              | No Till          |
| G-022942     | SE 1/4         | 6      | 20    | 36      | 100             | No Till          |
| G-061360     | NE 1/4         | 6      | 20    | 36      | 123             | No Till          |
| G-031354     | NE 1/4         | 6      | 21    | 1       | 104             | Minimum Till     |
| G-049326-R1  | NW 1/4         | 6      | 21    | 2       | 68.44           | Minimum Till     |
| G-027616     | SW 1/4         | 6      | 21    | 3       | 155.8           | Minimum Till     |
| G-029313     | NE 1/4         | 6      | 21    | 10      | 121.5           | Minimum Till     |
| G-052566     | NW 1/4         | 6      | 21    | 10      | 132.1           | Minimum Till     |
| G-002253     | SW 1/4         | 6      | 21    | 11      | 142             | No Till          |
| G-021455     | SW 1/4         | 6      | 21    | 12      | 72.5            | No Till          |
| G-024483-R1  | NE 1/4         | 7      | 17    | 16      | 145             | Minimum Till     |
| G-034034-R1  | NW 1/4         | 7      | 17    | 17      | 77              | Minimum Till     |
| G-060103     | NW 1/4         | 7      | 17    | 17      | 150             | No Till          |
| G-119196     | NE 1/4         | 7      | 17    | 18      | 145             | Minimum Till     |

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|--------------|------------------|--------|-------|---------|-----------------|------------------|
| G-071299-R1  | lots 1, 2, 7 & 8 | 7      | 17    | 18      | 125             | No Till          |
| G-139059     | NE 1/4           | 7      | 17    | 19      | 105             | Minimum Till     |
| G-034035     | NE 1/4           | 7      | 17    | 25      | 155             | Minimum Till     |
| G-002950     | SE 1/4           | 7      | 17    | 28      | 126             | No Till          |
| G-028884     | SW 1/4           | 7      | 17    | 29      | 70              | Minimum Till     |
| G-047810     | NW 1/4           | 7      | 17    | 29      | 145             | No Till          |
| G-039976     | SE 1/4           | 7      | 17    | 30      | 108             | No Till          |
| G-021595-R1  | NE 1/4           | 7      | 17    | 31      | 130             | No Till          |
| G-007950-R1  | SE 1/4           | 7      | 17    | 33      | 130             | No Till          |
| G-077708     | NW 1/4           | 7      | 18    | 13      | 123             | Minimum Till     |
| G-071289     | NE 1/4           | 7      | 18    | 13      | 140             | No Till          |
| G-030182-R1  | NW 1/4           | 7      | 18    | 14      | 125             | No Till          |
| G-057112     | SE 1/4           | 7      | 18    | 15      | 138.02          | No Till          |
| G-137702     | NE1/4            | 7      | 18    | 16      | 100             | No Till          |
| G-129872     | NW of NE 1/4     | 7      | 18    | 17      | 60              | Minimum Till     |
| G-041826     | SE 1/4           | 7      | 18    | 19      | 155             | No Till          |
| G-037334-R1  | NW 1/4           | 7      | 18    | 21      | 67.6            | Minimum Till     |
| G-038802-R1  | SW 1/4           | 7      | 18    | 22      | 12              | Minimum Till     |
| G-021229     | SW 1/4           | 7      | 18    | 22      | 147.8           | Minimum Till     |
| G-061654     | SE 1/4           | 7      | 18    | 22      | 150.5           | Minimum Till     |
| G-022438     | NE 1/4           | 7      | 18    | 22      | 129             | No Till          |
| G-056497     | NW 1/4           | 7      | 18    | 22      | 145             | No Till          |
| G-010388-R1  | NE NE 1/4        | 7      | 18    | 25      | 65              | Minimum Till     |
| G-074282     | NW 1/4           | 7      | 18    | 25      | 110             | Minimum Till     |
| G-131774     | NE of SW 1/4     | 7      | 18    | 25      | 134             | Minimum Till     |
| G-022950     | SW 1/4           | 7      | 18    | 26      | 65              | No Till          |
| G-040650     | SE 1/4           | 7      | 18    | 27      | 128             | No Till          |
| G-132841     | SE of SE 1/4     | 7      | 18    | 29      | 100             | No Till          |
| G-039497     | NE 1/4           | 7      | 18    | 34      | 105             | No Till          |
| G-093751     | SE 1/4           | 7      | 18    | 34      | 138             | No Till          |
| G-139527     | NW1/4            | 7      | 18    | 35      | 80              | No Till          |
| G-018622     | NE 1/4           | 7      | 18    | 35      | 127             | No Till          |
| G-028077     | NW 1/4           | 7      | 18    | 36      | 71              | No Till          |
| G-138416     | NW 1/4           | 7      | 19    | 13      | 121             | No Till          |
| G-129696     | NW 1/4           | 7      | 19    | 14      | 130             | No Till          |
| G-002482     | SW 1/4           | 7      | 19    | 16      | 134             | No Till          |
| G-007043-R1  | NE 1/4           | 7      | 19    | 16      | 140             | No Till          |
| G-009427     | NW 1/4           | 7      | 19    | 18      | 130             | Minimum Till     |

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|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-126121     | SE1/4          | 7      | 19    | 18      | 135             | No Till          |
| G-074549     | NE 1/4         | 7      | 19    | 20      | 132             | No Till          |
| G-038793-R1  | NW 1/4         | 7      | 19    | 21      | 46              | Minimum Till     |
| G-121515     | NW of SE 1/4   | 7      | 19    | 21      | 70              | No Till          |
| G-061996     | SE 1/4         | 7      | 19    | 22      | 121             | No Till          |
| G-033171     | SW 1/4         | 7      | 19    | 22      | 127             | No Till          |
| G-045570-R1  | NE NE 1/4      | 7      | 19    | 22      | 143             | No Till          |
| G-130799     | NE of SE 1/4   | 7      | 19    | 23      | 171             | No Till          |
| G-132359     | SW 1/4         | 7      | 19    | 24      | 100             | No Till          |
| G-071266     | NW 1/4         | 7      | 19    | 24      | 150             | No Till          |
| G-132645     | SW 1/4         | 7      | 19    | 25      | 117             | No Till          |
| G-000317-R1  | NE 1/4         | 7      | 19    | 27      | 74              | Minimum Till     |
| G-135944     | NE of SW 1/4   | 7      | 19    | 29      | 76.5            | No Till          |
| G-012652     | SE 1/4         | 7      | 19    | 31      | 76              | No Till          |
| G-001152     | NW 1/4         | 7      | 19    | 31      | 138             | No Till          |
| G-023124     | SW 1/4         | 7      | 19    | 32      | 139             | No Till          |
| G-022245     | NW 1/4         | 7      | 19    | 32      | 148             | No Till          |
| G-020831     | NW 1/4         | 7      | 19    | 34      | 70              | No Till          |
| G-064984     | NE 1/4         | 7      | 19    | 34      | 135             | No Till          |
| G-032770-R1  | SW SW 1/4      | 7      | 19    | 35      | 118             | Minimum Till     |
| G-065049     | NW 1/4         | 7      | 19    | 36      | 70.6            | No Till          |
| G-151663     | SW 1/4         | 7      | 19    | 36      | 75              | No Till          |
| G-015524     | SE 1/4         | 7      | 20    | 13      | 44              | No Till          |
| G-119178     | NW 1/4         | 7      | 20    | 16      | 77              | Minimum Till     |
| G-000947     | SW 1/4         | 7      | 20    | 20      | 125             | Minimum Till     |
| G-130108     | SE of SW 1/4   | 7      | 20    | 25      | 136             | No Till          |
| G-033288     | NE 1/4         | 7      | 20    | 26      | 90              | Minimum Till     |
| G-044047     | NW 1/4         | 7      | 20    | 26      | 148             | No Till          |
| G-087415     | NE 1/4         | 7      | 20    | 33      | 135             | Minimum Till     |
| G-128277     | SW of SE 1/4   | 7      | 20    | 34      | 73              | Minimum Till     |
| G-037542     | SW 1/4         | 7      | 20    | 34      | 85              | Minimum Till     |
| G-039565     | SE 1/4         | 7      | 20    | 36      | 133             | No Till          |
| G-072797     | SE 1/4         | 7      | 21    | 25      | 104             | No Till          |
| G-039594-R1  | SE 1/4         | 7      | 21    | 27      | 74.76           | No Till          |
| G-068252     | SW 1/4         | 7      | 21    | 27      | 149             | No Till          |
| G-021159     | SE 1/4         | 7      | 21    | 34      | 64.24           | Minimum Till     |
| G-009227     | SW 1/4         | 7      | 21    | 34      | 80              | Minimum Till     |
| G-027227     | NW 1/4         | 7      | 21    | 34      | 114             | Minimum Till     |

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|--------------|----------------|--------|-------|---------|-----------------|------------------|
| G-045821     | NE 1/4         | 7      | 21    | 34      | 70              | No Till          |
| G-010594-R1  | SE 1/4         | 8      | 13    | 7       | 95              | No Till          |
| G-017198-R1  | SW 1/4         | 8      | 13    | 13      | 34.57           | No Till          |
| G-015972-R1  | SE 1/4         | 8      | 13    | 13      | 137             | No Till          |
| G-069234     | NE 1/4         | 8      | 13    | 14      | 142             | Minimum Till     |
| G-052873     | SE 1/4         | 8      | 13    | 16      | 134             | No Till          |
| G-060270     | SE 1/4         | 8      | 13    | 17      | 72              | No Till          |
| G-010285-R1  | NW 1/4         | 8      | 13    | 17      | 131             | No Till          |
| G-012428     | NW 1/4         | 8      | 13    | 22      | 120             | Minimum Till     |
| G-043853     | NE 1/4         | 8      | 13    | 24      | 132             | No Till          |
| G-050868     | SW 1/4         | 8      | 14    | 26      | 130.6           | No Till          |
| G-044832     | SE 1/4         | 8      | 14    | 27      | 122             | No Till          |
| G-053360     | SE 1/4         | 8      | 15    | 19      | 15              | Minimum Till     |
| G-098169     | SE 1/4         | 8      | 15    | 19      | 15              | Minimum Till     |
| G-070992     | NE 1/4         | 8      | 15    | 19      | 15              | Minimum Till     |
| G-007281-R1  | SW 1/4         | 8      | 15    | 19      | 30              | Minimum Till     |
| G-072089-R1  | SW 1/4         | 8      | 15    | 19      | 45              | Minimum Till     |
| G-086638     | NW 1/4         | 8      | 15    | 19      | 45              | Minimum Till     |
| G-008923-R1  | SE 1/4         | 8      | 15    | 19      | 65              | Minimum Till     |
| G-053359-R1  | SW 1/4         | 8      | 15    | 19      | 132             | Minimum Till     |
| G-035005-R1  | SE of NE 1/4   | 8      | 15    | 23      | 100             | Minimum Till     |
| G-007631-R1  | SE 1/4         | 8      | 15    | 23      | 130             | No Till          |
| G-013607     | SW 1/4         | 8      | 15    | 25      | 41              | Minimum Till     |
| G-049984     | NW 1/4         | 8      | 15    | 25      | 122             | No Till          |
| G-070012-R1  | SE of SW 1/4   | 8      | 15    | 31      | 132             | No Till          |
| G-059827     | NE 1/4         | 8      | 15    | 32      | 100             | No Till          |
| G-060113     | NW 1/4         | 8      | 15    | 32      | 134             | No Till          |
| G-053686     | NW 1/4         | 8      | 15    | 34      | 150             | No Till          |
| G-048684     | NE 1/4         | 8      | 15    | 34      | 150             | No Till          |
| G-044831     | NW 1/4         | 8      | 15    | 35      | 128             | No Till          |
| G-032115     | NW 1/4         | 8      | 16    | 19      | 60              | Minimum Till     |
| G-015835     | NW 1/4         | 8      | 16    | 19      | 135             | Minimum Till     |
| G-097675     | NW 1/4         | 8      | 16    | 19      | 30              | No Till          |
| G-018182-R1  | NE 1/4         | 8      | 16    | 27      | 165             | No Till          |
| G-059262     | NW 1/4         | 8      | 16    | 33      | 7               | No Till          |
| G-132700     | NE of NE 1/4   | 8      | 16    | 33      | 132             | No Till          |
| G-132701     | SW of SE 1/4   | 8      | 16    | 33      | 132             | No Till          |
| G-055996     | NW 1/4         | 8      | 16    | 33      | 132             | No Till          |

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|------------------------------|----------------|--------|-------|---------|------------------|------------------|
| G-126789                     | SW 1/4         | 8      | 16    | 33      | 132              | No Till          |
| G-067832                     | SW 1/4         | 8      | 16    | 35      | 132              | Minimum Till     |
| G-067833                     | SE 1/4         | 8      | 16    | 35      | 132              | Minimum Till     |
| G-021124-R1                  | SW 1/4         | 8      | 17    | 24      | 65               | Minimum Till     |
| G-088500                     | SE 1/4         | 8      | 17    | 33      | 130              | No Till          |
| G-088499                     | NE 1/4         | 8      | 17    | 33      | 130              | No Till          |
| G-055521                     | NW 1/4         | 8      | 17    | 34      | 135              | No Till          |
| G-063815                     | NE 1/4         | 8      | 17    | 35      | 133              | No Till          |
| G-069018                     | SW 1/4         | 8      | 17    | 35      | 133              | No Till          |
| G-069017                     | NW 1/4         | 8      | 17    | 35      | 133              | No Till          |
| G-062791                     | SE 1/4         | 8      | 17    | 35      | 133              | No Till          |
| G-048991                     | NW 1/4         | 8      | 17    | 36      | 65               | No Till          |
| G-063395                     | NE 1/4         | 8      | 17    | 36      | 130              | No Till          |
| G-137937                     | SW 1/4         | 8      | 17    | 36      | 130              | No Till          |
| G-049315                     | SW 1/4         | 8      | 18    | 14      | 13               | Minimum Till     |
| G-010205-R1                  | SW 1/4         | 8      | 18    | 14      | 48.6             | Minimum Till     |
| G-010206                     | SE 1/4         | 8      | 18    | 14      | 48.6             | Minimum Till     |
| G-070077                     | NE 1/4         | 8      | 18    | 23      | 65               | Minimum Till     |
| G-052500                     | NW 1/4         | 8      | 18    | 23      | 135              | No Till          |
| G-058321                     | SW 1/4         | 8      | 18    | 26      | 142              | No Till          |
| G-068042                     | SW 1/4         | 8      | 18    | 27      | 65               | Minimum Till     |
| <b>Total Irrigated Acres</b> |                |        |       |         | <b>61,869.34</b> |                  |