

# 2014 Annual Report of Integrated Water Management Activities in the Platte Basin Within Tri-Basin NRD



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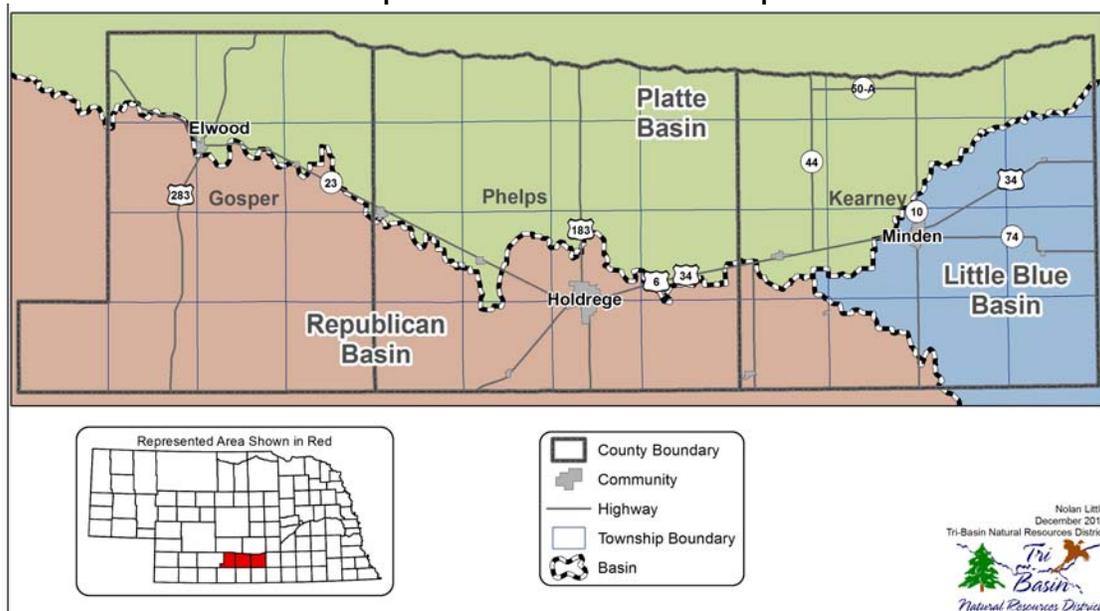
June 2015

**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 2015 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” 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. For this reason, 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, 2014, of 298,761.85

certified acres in the Platte Basin within TBNRD. Data regarding certified irrigated acres can be found in **TABLE 1: Platte Basin Certified Irrigated Acres**, below. Commingled acres are acres that may be watered with either groundwater or surface water. Detailed information about locations and distribution of certified irrigated acres is available in the Tri-Basin NRD office.

	Year	Acres Certified	Commingled Acres
Gosper County	2010	35,755.63	
	2011	35,755.64	10,804.80
	2012	35,737.43	10,581.80
	2013	35,696.95	10,397.80
	2014	35,800.39	10,395.25
Phelps County	2010	166,992.60	
	2011	167,027.69	78,178.44
	2012	167,127.23	78,103.08
	2013	167,501.73	78,352.49
	2014	167,222.82	78,500.37
Kearney County	2010	94,984.64	
	2011	95,650.11	23,314.13
	2012	95,733.45	23,522.33
	2013	95,778.33	23,214.77
	2014	95,738.64	23,441.29

**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.

Furthermore, district rules require that the number of certified acres that can be transferred be limited or “discounted” to insure that there isn’t an increase in depletions to streamflows when acres are transferred from low to higher depletion zones. Between January 1, 2014 and December 31, 2014 the district approved ten certified irrigated acre transfers in the Platte Basin. A total of 127.79 certified irrigated acres were involved in these transfers. Data regarding the location, amount and conditions associated with each transfer can be found in **TABLE 2A: Platte Basin Transfers-Acres at Original Locations** (below) and **TABLE 2B: Platte Basin Transfers-Acres at New Locations** (page 4).

NRD Permit Number	Legal Description	Acres Dried Up
TBAT-0214	Most of Section 25-8-20	19
TBAT-0217	NE 1/4 Section 18-8-20	7
TBAT-0218	SW 1/4 Section 18-8-20	3
TBAT-0221	W 1/2 of SW 1/4 Section 17-8-19	44.18
TBAT-0232	North 1/2 Section 27-8-23W	3
TBAT-0242	East 1/2 SW 1/4; SE 1/4 Section 15-8-19	10
TBAT-0243	East 1/2 SW 1/4; SE 1/4 Section 15-8-19W	16
TBAT-0244	East 1/2 SW 1/4; SE 1/4 Section 15-8-19W	14.77
TBAT-0251	SE 1/4 Section 14-7-18W	5
TBAT-0253	NE 1/4 Section 20 - 7-19W	5.84

NRD Permit Number	Legal Description	New Irrigated
TBAT-0214	Most of Section 25-8-20	19
TBAT-0217	NE 1/4 Section 18-8-20	7
TBAT-0218	SW 1/4 Section 18-8-20	3
TBAT-0221	W 1/2 of SW 1/4 Section 17-8-19	44.18
TBAT-0232	North 1/2 Section 27-8-23W	3
TBAT-0242	East 1/2 SW 1/4; SE 1/4 Section 15-8-19	10
TBAT-0243	East 1/2 SW 1/4; SE 1/4 Section 15-8-19W	16
TBAT-0244	East 1/2 SW 1/4; SE 1/4 Section 15-8-19W	14.77
TBAT-0251	SE 1/4 Section 14-7-18W	5
TBAT-0253	NE 1/4 Section 20 - 7-19W	5.84

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 two permanent groundwater transfer permits in the Platte Basin between January 1, 2014 and December 31, 2014. TBNRD allows CNPPID customers to pump groundwater into canals to supplement surface water diversions when necessary. Such permits are temporary and must be renewed annually. No temporary Groundwater Transfer Permits were issued by the NRD in 2014. Data regarding groundwater transfers can be found in **TABLE 3: Groundwater Transfers** (below).

NRD Permit Number	Well Legal Description	Well Registration Number	Well ID Number	Certified Acres Watered with Well	Transfer Type
GWT-0302	S 1/2 of NE 1/4 Section 8-6-15	G-171948	228629	68.5	Permanent
GWT-0317	N 1/2 of NE 1/4 Section 36-7-20	G-129992	156535	7	Permanent

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, 2014 and December 31, 2014. A detailed listing of well permits issued by TBNRD in 2014 is found in **TABLE 5: Well Permit Summary** (page 5).

Well Permit Type	Permits
New (variance) irrigation	
Replacement irrigation	29
Conditional replacement irrigation - supplemental to groundwater	2
Conditional replacement irrigation - supplemental to surface water	11
Dewatering	1
New commercial/industrial	
Domestic (over 50 gpm)	1

Permit Number	Well Permit Type	Legal Description	NDNR Reg. Number	Well ID Number
TBSS-1470	Supplemental to Surface Water	Section 23-7-19W	G-171471	229476
TBSS-1472	Supplemental to Surface Water	Section 18-6-19W	G-171454	229850
TBSS-1475	Supplemental to Surface Water	Section 25-8-21W	G-174251	230397
TBSS-1479	Supplemental to Surface Water	Section 6-6-19W	G-172798	230409
TBSS-1481	Supplemental to Surface Water	Section 35-7-19W	G-174557	230623
TBSS-1480	Supplemental to Surface Water	Section 30-7-19W	G-172337	230621
TBSG-1483	Supplemental to Ground Water	Section 12-8-21W	G-173699	230989
TBSS-1484	Supplemental to Surface Water	Section 23-7-20W	NDY	
TBSS-1485	Supplemental to Surface Water	Section 20-6-19W	G-174932	232741
TBDW-1430	Dewatering Well	Section 5-7-16W	G-173880	234693
TBSS-1486	Supplemental to Surface Water	Section 26-8-20W	G-174591	234579
TBDO-1487	Domestic (over 50 gpm)	Section 10-7-20	G-172753	233316
TBSS-1488	Supplemental to Surface Water	Section 33-7-15W	NDY	
TBSG-1489	Supplemental to Ground Water	Section 7-7-16W	NDY	
TBSS-1490	Supplemental to Surface Water	Section 25-8-22W	NDY	

\*NDY - 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. No new irrigation well construction permit variances were issued in the Platte Basin between January 1, 2014 and December 31, 2014.

Tri-Basin NRD corrected the district's certified acre database by certifying 14.2 acres in two parcels that had a history of irrigation between 1997 and 2005. Beginning in October 2013, producers also had to show proof that the corrected acres had been watered three out of the past five years. These acres weren't previously included in the district's database, because they weren't classified as irrigated cropland by county assessors. Tri-Basin NRD also adjusts the district's irrigated acre database as a result of revisions made by county assessors to taxable irrigated acres. Additions or reductions of taxable irrigated acres of four acres or less are automatically accepted by the district. Larger additions or reductions must be reviewed by the NRD board before they are approved. Tri-Basin NRD's Platte Basin Certified Irrigated Acre Corrections data is below in **TABLE 6: Platte Basin Certified Irrigated Acre Variances** (below).

Date Approved	Type of Variance	Legal Description	Affected Acres
3/11/2014	Variance on Replacement Well Permit - Original well modified rather than abandoned.	W 1/2 SW 1/4 Section 17-8-19W	
6/17/2014	Variance on Replacement Well Permit - Original well modified rather than abandoned.	SE 1/4 Section 3-7-20W	
6/25/2014	[NRD Spacing Variance] Request to impinge upon	All of Section 5-7-16W	
10/14/2014	Certified Acre Correction Request	NE 1/4 Section 34-8-18	6.38
12/9/2014	Certified Acre Correction Request	Pt SE 1/4 Section 17-7-19W	7.82

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 2014 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 (pages 7 and 8). TABLE 8 (below) shows Industrial and Commercial Water Use Data.

TABLE 8: Platte Basin Industrial and Commercial Water Use Data				
NDNR Reg. Number	Well ID Number	Owner	Legal Description	Gallons Pumped
G-123754-R2	210900	KAPPA Ethanol, LLC	Section 13-6-16	73,000
G-134413-R1	194280	KAAPA Ethanol, LLC	Section 13-6-16	67,104,500
G-123753-R1	194279	KAAPA Ethanol, LLC	Section 13-6-16	144,835,100
G-124061	152898	KAAPA Ethanol, LLC	Section 13-6-16	28,771,000
G-071962	80124	Mosaic	Section 15-6-16	2,000
G-071961	80123	Mosaic	Section 15-6-16	3,500
G-073875	82215	Village of Bertrand	Section 6-6-20	20,318,600
G-139944	171644	Fort Kearny Consolidated	Section 6-7-14	0
G-116982	141058	KGLD, LLC	Section 11-7-16	
G-147025	188561	Paul Johnson & Sons	Section 10-7-20	600,000
G-095842	112013	Aurora Co-Op	Section 19-7-20	926,000
G-093254	106684	Wolfdenn Dairy	Section 28-8-16	5,000,000
G-093253	106683	Wolfdenn Dairy	Section 28-8-16	5,000,000
G-087812	99723	Rusty's Fertilizer Inc	Section 21-8-18	892,800
G-080853	89509	Nebraska Public Power District	Section 4-8-21	108,000
G-073205	81395	Nebraska Public Power District	Section 4-8-21	131,400,000
G-156977	199850	CNPP&ID	Section 7-8-21	373,432,670
G-092923	102854	CNPP&ID	Section 4-8-22	107,805,996
G-122576	151178	Bullhead Point Association	Section 5-8-22	4,963,000
G-076780-R1	124121	Lakeside Country Club	Section 8-8-22	27,678,000
G-076515	85080	Lakeside Country Club	Section 8-8-22	23,724,000
G-140875	177118	Gosper & Dawson County SID #1	Section 17-8-22	0

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 2014 landowners reported data from 418 flowmeters in the Platte Basin. The metered wells reported irrigating 49,229.63 certified irrigated acres. Due to the installation of additional reporting flowmeters and more widespread use of supplemental irrigation wells by CNPPID customers, flowmeter data were reported on 4,696.8 more irrigated acres than were reported in 2013. 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. 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.

<b>TABLE 7: Platte Basin Municipal Water Use Data</b>						
		2010	2011	2012	2013	2014
<b>Axtell</b>	Jan.	2,261,300	3,708,500	3,124,800	2,923,900	2,653,500
Pop. 726	Feb.	2,690,700	3,301,900	3,104,600	2,395,100	2,359,000
(2010 census)	Mar.	3,757,400	3,649,000	4,241,500	2,530,000	2,740,400
	Apr.	3,336,000	3,742,000	5,751,800	3,195,600	3,836,900
	May	3,351,500	5,305,600	11,685,400	8,260,800	7,461,100
	June	3,895,700	7,600,700	14,211,000	11,960,000	7,534,900
	July	10,452,300	11,452,600	22,110,800	19,418,700	12,794,400
	Aug.	9,737,500	8,907,600	12,040,400	11,170,400	8,925,000
	Sept.	8,899,200	7,459,200	12,675,900	9,955,100	5,467,700
	Oct.	7,871,700	5,677,900	5,713,700	5,558,900	5,640,300
	Nov.	3,800,700	3,018,200	3,274,500	2,753,300	2,475,500
	Dec.	4,441,500	3,111,100	2,878,000	2,495,500	2,180,300
<b>Axtell Totals</b>		<b>64,495,500</b>	<b>66,934,300</b>	<b>100,812,400</b>	<b>82,617,300</b>	<b>64,069,000</b>
<b>Bertrand</b>	Jan.	4,380,000	4,234,000	3,575,000	4,002,000	4,422,000
Pop. 750	Feb.	3,998,000	3,655,000	3,348,000	3,571,000	3,817,000
(2010 census)	Mar.	3,383,000	3,876,000	3,846,000	3,533,000	4,069,000
	Apr.	3,837,000	4,307,000	6,122,000	3,858,000	4,949,000
	May	5,147,000	7,316,900	13,410,700	10,671,200	11,419,500
	June	6,153,000	9,301,200	17,711,000	15,688,200	8,539,000
	July	11,853,000	15,651,200	27,282,900	23,473,500	16,089,200
	Aug.	12,170,000	12,540,800	14,707,500	17,540,600	11,456,000
	Sept.	11,097,000	9,397,600	15,511,100	14,850,200	7,427,000
	Oct.	9,986,000	7,050,000	8,976,000	6,406,000	8,972,000
	Nov.	4,532,000	3,945,000	5,261,000	3,852,000	4,710,000
	Dec.	3,748,000	4,152,000	3,970,000	4,288,000	4,114,000
<b>Bertrand Totals</b>		<b>80,284,000</b>	<b>85,426,700</b>	<b>123,721,200</b>	<b>111,733,700</b>	<b>89,983,700</b>
<b>Elwood</b>	Jan.	2,654,000	4,490,000	4,278,000	5,223,600	3,729,600
Pop. 707	Feb.	4,454,000	3,277,000	3,324,500	4,535,500	4,188,000
(2010 census)	Mar.	4,132,000	4,745,000	5,774,700	5,299,500	4,915,000
	Apr.	5,162,000	4,930,200	4,184,000	6,824,000	4,968,000
	May	6,407,000	7,990,000	16,881,600	4,795,500	12,601,700
	June	7,509,000	10,787,000	22,944,600	14,776,000	10,104,800
	July	12,253,300	9,682,800	30,825,300	28,116,000	20,316,600
	Aug.	12,469,000	17,946,300	20,347,800	17,587,000	15,146,100
	Sept.	12,818,000	7,851,600	15,277,100	13,151,900	9,033,400
	Oct.	10,493,000	8,301,000	9,352,300	5,936,800	6,043,600
	Nov.	5,631,000	5,195,900	4,511,400	4,311,200	3,827,000
	Dec.	4,269,600	3,483,000	4,061,900	3,800,900	4,682,500
<b>Elwood Totals</b>		<b>88,251,900</b>	<b>88,679,800</b>	<b>141,763,200</b>	<b>114,357,900</b>	<b>99,556,300</b>

(Continued on next page)

<b>TABLE 7: Platte Basin Municipal Water Use Data (continued)</b>						
		<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>Funk</b>	Jan.	1,707,668	1,530,000	1,889,000	1,163,000	758,000
Pop. 194	Feb.	1,707,667	1,241,000	1,549,000	1,029,000	694,000
(2010 census)	Mar.	1,707,667	1,410,000	1,106,000	1,119,000	725,000
	Apr.	1,707,667	1,510,000	1,053,000	1,215,000	796,000
	May	1,707,667	2,081,000	2,432,000	1,830,000	2,346,000
	June	1,707,667	2,666,000	4,285,000	2,727,000	1,669,000
	July	2,482,000	2,833,000	3,508,000	4,608,000	3,132,000
	Aug.	2,455,000	2,656,000	2,773,000	3,154,000	2,394,000
	Sept.	2,035,000	2,614,000	3,043,000	2,247,000	1,443,000
	Oct.	2,061,000	1,732,000	1,990,000	1,123,000	1,045,000
	Nov.	1,578,000	1,500,000	1,251,000	780,000	809,000
	Dec.	1,321,000	1,630,000	1,152,000	748,000	760,000
<b>Funk Totals</b>		<b>22,178,001</b>	<b>23,403,000</b>	<b>26,031,000</b>	<b>21,743,000</b>	<b>16,571,000</b>
<b>Loomis</b>	Jan.	1,589,000	1,287,000	1,709,000	1,254,000	1,223,000
Pop. 382	Feb.	3,217,000	2,080,000	1,033,000	783,000	1,150,000
(2010 census)	Mar.	3,815,000	1,254,000	1,553,000	1,124,000	1,341,000
	Apr.	1,887,000	1,953,000	2,428,000	1,534,000	1,952,000
	May	2,604,000	3,231,000	7,072,000	5,182,000	5,636,000
	June	2,384,000	4,369,000	10,692,000	7,094,000	4,465,000
	July	5,508,000	5,352,000	15,290,000	11,508,000	8,702,000
	Aug.	6,722,000	6,655,000	7,847,000	7,579,000	5,563,000
	Sept.	5,741,000	6,671,000	8,014,000	7,236,000	2,847,000
	Oct.	5,521,000	3,976,000	4,510,000	2,221,000	2,970,000
	Nov.	1,928,000	2,551,000	1,855,000	1,393,000	1,437,000
	Dec.	1,607,000	1,304,000	984,000	1,298,000	1,289,000
<b>Loomis Totals</b>		<b>42,523,000</b>	<b>40,683,000</b>	<b>62,987,000</b>	<b>48,206,000</b>	<b>38,575,000</b>
<b>Smithfield</b>	Jan.	69,700	232,300	311,700	167,700	
Pop. 54	Feb.	192,000	332,000	169,600	158,400	
(2010 census)	Mar.	231,200	553,600	212,300	106,400	
	Apr.	107,500	555,200	145,100	269,100	
	May	135,900	420,600	611,300	373,800	
	June	335,000	270,100	959,500	690,600	
	July	407,700	440,600	959,700	555,300	
	Aug.	734,700	801,200	650,100	601,500	
	Sept.	465,900	602,000	620,700	350,200	
	Oct.	237,200	321,000	332,900	211,600	
	Nov.	184,300	234,300	290,900	181,400	
	Dec.	238,700	202,800	112,800	195,000	
<b>Smithfield Totals</b>		<b>3,339,800</b>	<b>4,965,700</b>	<b>5,376,600</b>	<b>3,861,000</b>	<b>3,808,100*</b>

\*2014 Smithfield monthly data unavailable. Papers fell into water; all they are able to provide is beginning and ending reading for the year.

X. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

Tri-Basin NRD started utilizing the facilities of Central Nebraska Public Power District (CNPPID) to provide groundwater recharge and to augment streamflows when the district and the NE Game and Parks Commission paid CNPPID to divert 9551 acre-feet of water from the Platte River into Elwood Reservoir in Gosper County in 2006. Additional diversions of 9957 acre-feet were made in 2007, and 9324 acre-feet in 2008 and 2906 acre-feet in 2009 (see Appendix D). TBNRD and DNR paid CNPPID to divert approximately 15,000 acre-feet into Elwood and the E-65 canal during the Fall of 2013. An additional 13,237 acre-feet were diverted into Elwood during June and July, 2014. Another 10,000 acre-feet of water were diverted from the Platte into Elwood Reservoir and E-65 Canal starting in November, 2014 through January, 2015. In all these instances, diversions were made when Platte streamflows exceeded target flows, or when irrigation deliveries were suspended due to heavy rainfall in the CNPPID irrigated area.

TBNRD and DNR paid CNPPID to divert 5550 acre-feet of water that became 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. The agencies paid CNPPID to divert an additional 3890 acre-feet of floodwater into the Phelps Canal in 2013.

The Platte River Recovery Implementation Program (PRRIP) paid CNPPID to divert 4088 acre-feet of water into the Phelps County Canal in 2012. While it can't be used as a credit to offset depletions to Platte baseflows from post-1997 uses, this enhanced recharge can be credited to Tri-Basin NRD toward reducing depletions to fully appropriated levels. The PRRIP paid Central to divert an additional 5897 acre-feet of floodwater in 2013. PRRIP and DNR paid CNPPID to divert 4,544 acre-feet in late 2014 and early 2015.

Tri-Basin NRD completed construction of a streamflow augmentation well along North Dry Creek in Kearney County in 2011. This augmentation well is used to pump water to reduce shortages to USFWS target flows when needed. The well can pump as much as 1250 gallons per minute. This well pumped a total of 374 acre-feet of water in 2012, 271 acre-feet in 2013 and 37 acre-feet in 2014. A study of the augmentation well's impacts, conducted by HDR Engineering in 2014 and commissioned by TBNRD and DNR, indicates that the average depletion caused by pumping the augmentation well over a 25-year period is equivalent to 44% of total pumping. Therefore, the district accrued 165 acre-feet of streamflow accretion credit in 2012, 119 acre-feet of credit in 2013 and 16.3 acre-feet in 2014. TBNRD and DNR drilled a second augmentation well along North Dry Creek in 2014. Pumping by augmentation wells also provides an ancillary benefit of providing forage fish habitat during extreme drought conditions.

Tri-Basin NRD also accrued credit for 181.87 acre-feet of water pumped into the Platte River near Kearney in 2014 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 2014 through 10 contracts totaling 62.7 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 66,533.88 certified irrigated acres in the Platte Basin portion of the district during 2014 (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. Therefore as much as 37,500 acre-feet of water was conserved in the Platte Basin in TBNRD in 2014 through this conservation practice.

Tri-Basin NRD signed agreements with DNR, Central Platte NRD (CPNRD) 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.

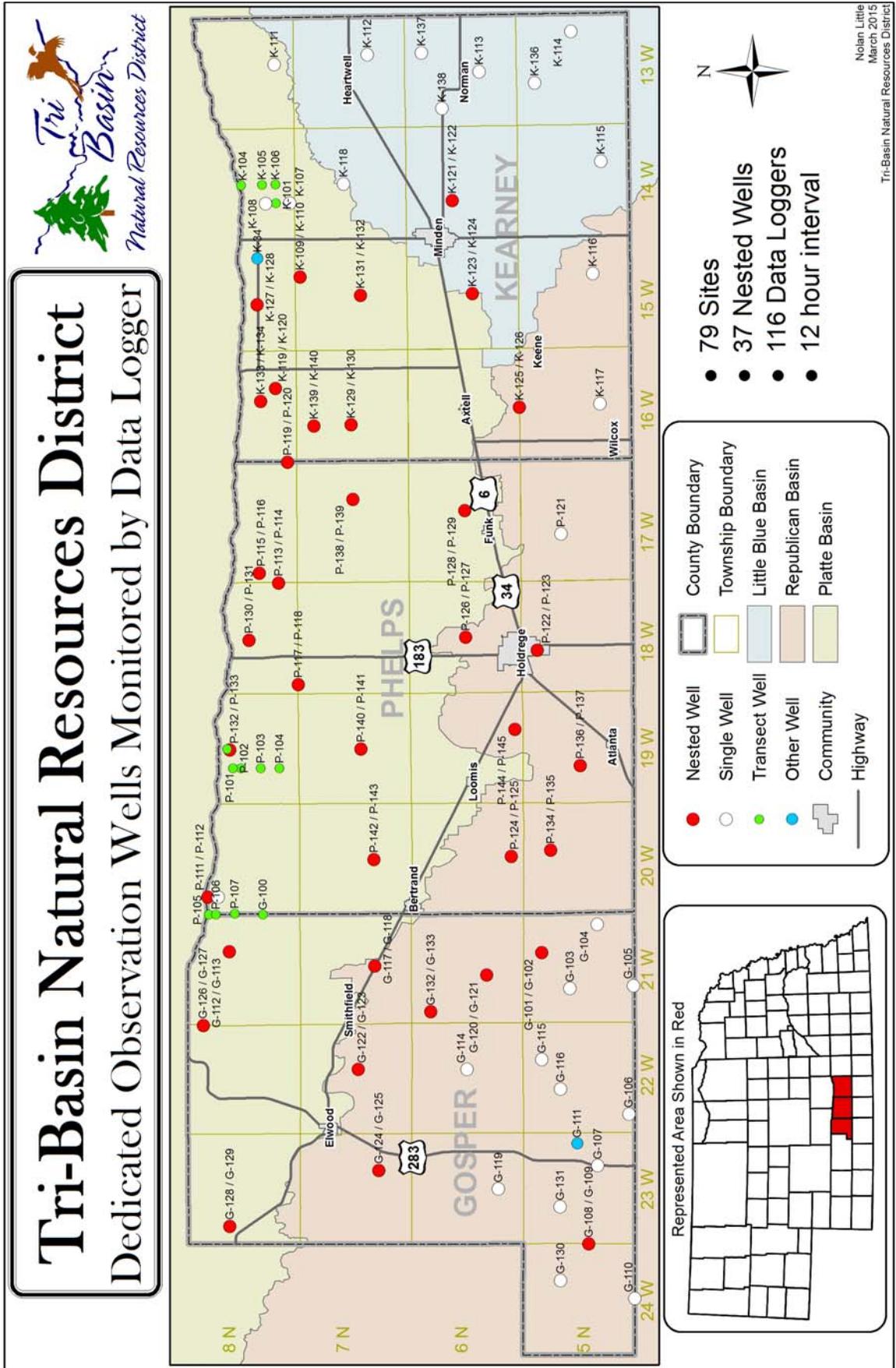
Finally, Tri-Basin NRD and Central Platte NRD reached an agreement in 2013 that will enable

TBNRD to compensate CPNRD in return for accruing credit from Platte baseflow enhancements that result from rehabilitation of three irrigation canal systems in Dawson County. In 2014, CPNRD provided 512 acre-feet of water to offset depletions caused by groundwater irrigation in TBNRD.

#### XI. GROUNDWATER LEVELS

TBNRD has an extensive network of 114 dedicated groundwater observation wells (62 in the Platte Basin) and 90 irrigation wells (eight in the Platte Basin) that are used to measure groundwater levels (see Map #2, page 11). TBNRD also works cooperatively with CNPPID to gather groundwater level data. Data from 158 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.

**Tri-Basin NRD – Platte Basin Annual Report**  
**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  
2014 Platte Basin Annual Report  
Appendix B**

DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-036585	43719	44.9	5,371,061	Oats & alfalfa. Acres reported are metered acres only, additional acres watered with well not required to be metered at this time.
G-023268	29686	62	20,499,097	
G-032220	39203	150	28,308,859	
G-034763	41826	142.1	13,821,386	this meter was moved from section 15 when a new meter was put on that well May 2014
G-041057	48311	79	41,253,714	New meter May 2014
G-045549-R1	118572	135.9	27,353,900	Meter repaired and zeroed out Beginning reading will start at 0
G-022950	29350	130	22,569,900	
G-023149	29563	26	2,144,894	
G-023266	29683	149	29,911,100	
G-023615	30058	135	30,382,800	
G-024078-R1	98512	129.56	36,353,200	
G-024327	30807	135	37,863,000	
G-024459-R1	97819	75	18,328,950	Estimate from producer.
G-025069	31589	149	32,367,568	Estimate from producer.
G-025152	31677	125	31,467,200	
G-025207	31736	130	11,483,800	Supplemental to surface water well.
G-025550	32099			Well not used in 2014. Used CNPPID water.
G-025703	32260	144.7	24,879,000	
G-025803	32369	140	39,993,100	
G-026446	33051	167	28,876,921	Supplemental to surface water well.
G-027184	33850	140	27,816,000	
G-027484-R1	225652	135	25,055,267	
G-028077	34788	146	23,006,000	
G-028636	35400	132	24,594,000	
G-028660-R2	160179	135	23,737,800	
G-028765-R1	35540	148	2,843,600	Supplemental to surface water well.
G-028884	35667	140	39,405,200	Did not use surface water this year; groundwater only.
G-029347	36156	104.7	15,531,000	
G-029951-R1	217569	40	1,185,034	
G-030265	37128	50	29,019,751	Meter for this well sits in section 25-8-23 watering some gravity acres
G-030668-R1	164677	135	14,999,100	
G-030936-R1	176011	120	25,702,000	
G-031102	38030	133	17,062,000	
G-031354	38311	133	39,375,000	
G-031657	38620	62	9,393,500	
G-031862-R1	170685	147.5	19,520,100	
G-031885-R1	168468	149.9	34,062,400	
G-032462-R1	166009	124	39,079,500	
G-033788	40819	147.2	27,465,800	
G-033845	40877	132	32,774,500	
G-034024	41062	85	22,050,000	

**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
G-034034-R1	93086	77	10,667,700	
G-034522	41576	20	9,267,800	
G-034601	41656	70	15,117,800	
G-034607-R1	95424	191	48,160,605	
G-034808	41871	134	20,012,498	Estimate
G-035027	42096	116.7	31,035,900	
G-035028	42097	154.8	47,633,000	
G-035046-R1	149129	94.08	22,044,300	
G-035210-R1	42287	132	24,655,832	
G-035230-R1	209844	100	29,978,016	
G-035306	42390	136	36,799,915	
G-035840-R1	221855	265	9,714,800	
G-036219-R1	213455	130	18,431,863	
G-036447-R1	203726	135	27,970,000	
G-036500	43633	132	37,635,000	
G-036677	43812	130	43,377,157	
G-037041	44181	40	182,600	Ran once.
G-037347	44495			Well not used in 2014. Supplemental well.
G-037931-R1	227572	140	35,818,700	
G-038167-R2	209014	130	24,870,500	
G-038172	45343	130	43,130,327	
G-039054	46251	119	27,299,273	
G-039106	46304	128	25,555,200	
G-039663-R1	199851	95	18,698,700	
G-040337	47575	135	28,947,600	
G-040839	48087	118	30,170,809	
G-041183	48439	142	43,566,200	
G-041329-R1	219361	145	38,290,670	
G-041350	48611	127	34,626,509	
G-041369-R1	188563	66	12,652,100	
G-041826	49107	138	35,084,800	
G-042824	50125	159.94	27,418,500	
G-042992-R1	191750	135	20,195,400	
G-043275-R1	50593	137	20,463,797	
G-043276-R1	169041	147	19,932,122	
G-043366-R1	127238	88	17,036,500	
G-043947	51286	137	35,182,500	
G-044222	51568	165	55,228,700	
G-044570	51919	30	6,516,960	Estimate from producer.
G-044608	51959	132	18,654,700	Producer reported different ending reading than inspection (2 numbers transposed). Used producer's number.
G-044918	52271	196.4	43,616,927	

**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
G-045284	52644	135.13	18,984,200	33.8 acres wheat and sudan. 8.1 inches total between 2 meters.
G-046434	53847	147	49,021,300	
G-048424	55885	142	28,848,800	
G-049567-R1	221186	146	11,343,040	Hailed.
G-050030	57531	154	32,490,000	
G-053870	61445	150	26,720,600	
G-054523	62111	150	19,063,000	
G-055251	62856	135.47	32,908,500	
G-055382-R1	172201	155.16	30,371,200	
G-055521	63130	136.8	29,404,523	NEW Meter
G-056004	63618	102.5	22,900,700	
G-056606-R1	64243	133	31,285,600	
G-057082	64744	142.5	25,901,600	
G-057427-R1	222051	202	43,312,000	
G-058508	66218	136	28,973,318	
G-059592	67347	131	25,342,900	
G-060797-R1	212228	100	32,344,215	
G-061501-R1	221352	152	24,673,900	
G-061654	69490	150.5	38,842,800	
G-061946	69783	127.48	26,441,200	
G-063158	71057	156	47,872,200	
G-063232	71133	145	30,772,200	
G-063968	71890	130	43,996,540	
G-064069	71993	65.25	12,875,200	
G-064756	72722	78.4	23,652,500	
G-064840	72808	150	45,394,100	
G-065598	73589	130	48,464,730	
G-066270	74279	134	44,097,000	
G-066511	74530	131.6	20,300,500	
G-067478	75541	65	13,038,264	
G-067820	75893	135	30,643,000	
G-067926	76002	120	20,822,400	
G-067960	76038	132	70,202,500	
G-068235	76316	126	26,312,226	
G-068903	77028	134.8	20,489,700	
G-069457	77609	67	8,139,500	
G-069536	77689	130	46,203,200	
G-069613	77769	275	69,364,621	
G-070731	78892	158.2	27,259,000	
G-070802	78963	135	26,744,000	
G-070946	79107	14	7,298,600	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-071178-R1	162859	154	16,096,300	Producer called in reading. Left off form originally.
G-071179	79340	120	35,847,000	
G-072455-R1	206053	132	26,110,471	
G-072667	80855	140	31,381,606	
G-072681	80869	20	1,073,500	
G-073172	81360	61	14,120,080	
G-073863	82203	150	6,130,100	Series Well w/ A-008164-R1 - 2 Wells each own meter.
G-074176	82517	130	27,446,991	
G-074256	82601	79	15,441,200	Hailed. Did get crop but didn't water as much.
G-074282	82627	134	32,572,000	
G-074365	82710	127	17,242,790	Estimate
G-074392	82739	76.07	20,174,500	
G-074662	83011	105	48,081,400	
G-087416	99269	140	33,140,642	
G-087842	99647	143	19,306,300	
G-091120	102868	142	38,594,800	
G-091407	102859	120	27,849,800	Producer reported different beginning reading.
G-094083	107849	130	12,101,100	
G-096555	109842	131.39	20,601,600	
G-096676	112194	130	23,639,457	
G-100388	114419	145	20,094,400	
G-110172	129232	134	27,699,500	
G-116457	140343	130	21,228,997	
G-116906	141679	95	39,780,000	Estimate from hours.
G-119660	146805	88	19,402,347	
G-121077	147633	152.8	22,301,300	
G-121219	146009	97	15,675,000	
G-121766	146008	150	24,682,986	
G-121894	148344	181.97	25,094,000	
G-122529	147634	78.2	10,591,200	Supplemental to surface water well.
G-123303	149183	64	11,422,000	Fixed Meter not sure of beginning reading
G-124617	152724	128	30,191,037	Inspection shows that the meter was fixed and no longer using a multiplier
G-125286	152448	40	27,147,300	
G-125287	152447	130	39,922,000	
G-127496	153919	127	21,152,300	
G-127559	155815	135	31,002,200	
G-128172	154500	37.5	8,086,700	
G-129150	154896	153	7,764,900	Supplemental to surface water well.
G-129257	160440	136	5,542,900	Supplemental to surface water well.
G-129577	158376	120	12,382,100	
G-129685	156989	136.2	25,758,284	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-129692	160438	140	33,894,500	
G-130058	154894	95	32,869,102	
G-130108	159812	75	16,940,022	
G-130225	160878	156	43,116,100	
G-130559	156326	152.5	22,543,900	
G-130635	159808	19	10,512,700	
G-130699	161380	135.1	21,069,700	
G-130801	154254	130	25,855,600	
G-130918	161076	136	28,972,100	
G-130954	162385	10	5,583,700	
G-131043	161371	148	47,317,200	
G-131271	156876	130	32,000,500	Estimate. Meter didn't move.
G-131440	156871	118	6,074,700	
G-131622	155819	100	19,711,000	
G-131623	155812	135	18,808,500	
G-131726	162133	118.1	29,200,700	
G-131774	163016	134	25,283,600	
G-131925	162127	133.04	7,101,300	
G-131927	161757	130	35,982,000	
G-131930	162388	122.6	27,353,900	
G-132158	163442	130	23,961,300	
G-132168	160566	135	27,019,800	
G-132241	165009	124	19,709,200	Supplemental to surface water well.
G-132339	156879	129.42	28,394,300	
G-132340	156877	134.95	10,971,700	
G-132341	156875	128	4,810,900	Supplemental to surface water well.
G-132344	156789	53	9,316,200	
G-132359	160881	132	17,929,514	Supplemental to surface water well.
G-132512	161373	135	19,467,300	
G-132514	165545	165	18,668,900	
G-132529	161379	123.7	27,636,700	
G-132531	161571	140	37,025,836	
G-132532	161572	151.12	36,861,400	
G-132544	159256	136.5	24,148,052	Meter wasn't working, so they replaced it. Producer estimates 2 inches more than what meter shows, so adjusted gallons to reflect that.
G-132547	159597	153.5	39,844,500	
G-132644	160439	156.3	90,022,900	
G-132663	164229	154.3	22,963,200	
G-132700	165015	132	12,943,100	132 acres popcorn
G-132701	165016	132	81,155,400	132 acres potatoes
G-132733	159884	135	19,824,800	

**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
G-132734	164687	115	33,658,740	
G-132768	165657	140.1	24,141,600	
G-132769	160567	144	44,658,400	
G-132798	159254	130	7,431,600	Supplemental to surface water well.
G-132840	160488	151	18,374,900	
G-133038	165739	130	25,190,600	
G-133180	161381	147	27,686,600	
G-133181	161382	147	23,351,500	
G-133233	162390	117	26,096,900	
G-133234	161749	148	33,534,700	
G-133235	158379	117	11,172,300	
G-133352	162136	135	22,481,882	
G-133405	165547	120	18,374,700	
G-133416	165335	52	8,597,600	
G-133421	161383	106	31,680,300	
G-133426	165471	65	16,372,100	
G-133471	163782	130	20,240,100	
G-133725	162123	130	21,752,800	
G-133759	160323	87	20,878,710	
G-133929	164406	75	18,130,500	
G-133952	166448		4,833,700	Fills Mosaic pond.
G-134113	166449	130	37,543,700	
G-134130	162140	132	52,186,000	beans followed by cover crop.
G-134132	162139	67	24,143,500	corn followed by cover crop
G-134186	166699	75	1,367,747	hail damage
G-134199	162134	130	21,691,429	
G-134206	166528	118	7,494,500	
G-134230	166010	130.47	13,933,300	
G-134566	160564	123	37,646,100	
G-134706	167566	140	50,316,800	Producer reported different beginning reading.
G-134879	162601	65	21,962,000	
G-135119	169328	156.3	28,902,800	
G-135169	166605	147	33,432,800	
G-135192	167715	139.5	3,198,600	Supplemental to surface water well.
G-135193	167716	65	4,891,100	Supplemental to surface water well.
G-135213	166040	86	29,811,800	
G-135516	169018	120	36,502,800	
G-135532	160565	140	1,741,100	Supplemental to surface water well.
G-135822	169468	99.6	18,226,100	
G-135950	161750	136	2,176,100	Supplemental to surface water well.
G-136259	169013	88	16,089,900	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-136650	169774	135	41,176,200	
G-136691	165017	135	18,882,600	
G-137318	169448	110	10,423,000	Inspection showed multiplier to be 1000 instead of 100 - Corrected all past data. This is an irrigated Pasture
G-137329	169841	134.3	2,529,000	Electronic meter. Reads total gallons each year; restarts at 0.
G-137381	170158	135	24,967,288	
G-137402	170172	145	42,324,939	
G-137403	170742	72	21,107,200	
G-137447	165018	135	29,924,400	Hailed a bit late in the season.
G-137937	172642	134	66,597,100	
G-137967	166808	292	40,876,200	
G-138203	172442	155	34,801,381	
G-138280	162142	69	17,766,100	corn followed by cover crop
G-138416	162122	145	35,625,800	
G-138534	172370	150	31,353,637	
G-138594	172862	74.6	31,595,000	
G-139059	172599	100	22,033,900	
G-139271	170679	90	21,150,500	
G-139360	165336	40	23,931,200	
G-139572	169042	100	15,198,200	
G-140625	172547	130	6,626,700	Producer reported a different beginning reading.
G-141518	173834	65	25,610,500	
G-141860	177863	93.3	10,039,919	Supplemental to surface water well.
G-142036	170682	59	6,615,100	Supplemental to surface water well.
G-142430	178761	130	24,520,600	
G-142530	173630	139	26,530,900	
G-142566	178584	52	5,228,400	Supplemental to surface water well.
G-142967	178585	215	66,540,600	
G-143253	177864	243	11,442,300	Supplemental to surface water well.
G-144298	182757	70	20,262,066	
G-144555	181381			Well not used in 2014. Producer says no power unit attached.
G-144716	182053	145	31,587,400	
G-144783	183104	135	28,469,300	
G-144784	180131	76	21,835,975	
G-144823	182952	205	34,547,900	
G-144980	182209	135	32,628,300	
G-145042	183105	100	17,377,800	
G-145565-R1	190217	130	28,792,200	
G-145863	185009	132	1,288,400	Supplemental to surface water well.
G-145885	178762	40	3,872,500	Hailed out beans.
G-145993	183670	75	1,911,370	Supplemental to surface water well.
G-146977	180054	75	15,091,100	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-147124	182953	122	20,337,900	We do not have a beginning reading for 2014. Used beginning reading from staff inspection.
G-147456	188634	65	12,902,223	
G-147457	188635	130	30,810,286	
G-148411	189364	130	23,122,600	
G-148565	187309	131.7	4,004,000	Estimate -says he used once, Supplemental well only - Need to have Nolan check this meter
G-148621	191026	75	19,491,955	
G-148622	190543	130	306,705	Supplemental to surface water well.
G-148685	188800	125	31,359,611	
G-148702	189813	94	36,510,453	
G-148743	187694	100	1,004,698	Supplemental to surface water well.
G-149188	191318	157.14	24,687,200	
G-149618	192106	132	28,102,760	
G-149663	191521	74	15,549,738	
G-149890	191025	87	21,645,268	40 acres irrigated grass.
G-150891	187697	129	1,717,400	Supplemental to surface water well.
G-151663	191248	62	15,057,979	
G-152478	197495	148.2	32,936,172	
G-152676	191017	125	27,131,190	
G-152707	197427	180	32,846,300	Supplemental to surface water well.
G-153081	197627	68	6,281,535	
G-153624	199985	100	14,999,598	100 acres popcorn.
G-157641	202660			Well not used in 2014. Used only surface water.
G-158114	208108	72	13,633,751	
G-159284	208463	162.8	37,495,057	
G-161020	213049	128	55,193,200	
G-161031	214156	30	22,412,640	
G-162791	215361	30	11,678,935	
G-162926	216452	74.5	12,951,371	
G-164032	219279	155	44,667,655	
G-164644	218534	160	18,452,500	
G-164765	217905	109	4,474,979	Supplemental to surface water well.
G-165055	220042	148	9,683,931	Supplemental to surface water well. 5 acres alfalfa.
G-165537	215283	48	24,849,397	Meter does not meet NRD specs - Cannot read in acre feet
G-165597	218166	75	26,951,431	
G-166011	221015	130	29,276,085	Seed corn. Producer said meter would be on for 2014 season
G-166108	222272	67	17,843,164	
G-166557	217687	124	29,786,308	
G-166720	222354	148	28,038,134	
G-167012	221958	31.8	6,408,344	
G-167286	223104	144	16,455,324	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-167416	222557	77.1	9,189,185	
G-167483	224220	105	8,076,686	
G-167695	221189	127	23,965,305	
G-167696	221856	130	19,081,658	Supplemental to surface water well.
G-167697	222232	77	28,456,034	
G-167700	222753	150	16,255,500	
G-167889	222616	76	19,359,172	
G-168005	223141	57	20,940,078	
G-168610	217989	135	23,021,161	
G-169763	225845	43	13,221,000	
G-169866	224583	70	14,116,549	
G-170249	228482	122	20,187,098	
G-170397	222559	79.39	11,102,184	
A-005254	805	152	35,963,800	
A-005527	1006	132.3	31,552,400	
A-005544-R1	113944	135	26,536,900	
A-005573-R1	203922	198	16,288,900	
A-005616	1053	129.7	38,577,416	
A-005964B-R1	182843	116	2,799,306	Hailed. Well used very little.
A-005987	1325	73.9	23,531,900	
A-006470	1647	130	38,635,525	
A-006862	1917	148	30,657,600	
A-008164-R1	174548	150	49,387,423	Series Well w/ G-073863 - 2 Wells, each own meter
G-000273-R1	98237	120	4,822,007	
G-000317-R2	219289	132	31,283,100	
G-000559	3859	97	23,920,200	
G-000597-R1	207683	135	28,902,174	
G-000671-R1	3992	300	67,085,700	
G-001127	4516	130	26,377,938	
G-001152	4544			Well not used in 2014.
G-001228-R1	92085	73	26,117,100	
G-001374-R1	222615	140	28,048,400	
G-001498	4954	143.49	18,768,000	14.5 total inches from 2 meters.
G-002216-R1	166014	128	32,823,900	
G-002383-R1	128836	132	13,166,500	
G-003468	7201	77	30,714,000	
G-005097-R1	114236	135.3	21,407,600	
G-005392	9390			Well not used in 2014
G-007340-R1	162706	130	27,251,500	
G-007342-R1	162707	119	31,322,900	
G-007488-R1	11845			Well not used in 2014.

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-009462	14164	70.4	16,031,000	
G-009596	14319	71.6	8,239,300	
G-010388-R1	213868	65	8,734,084	
G-011357-R1	16352	125	28,696,100	Producer provided beginning reading. (Inspection comment: Not sure of beginning reading would appear from inspection that it ran in 2013 also)
G-011745-R1	16802	132.4	36,602,500	
G-012651-R1	191520	67	17,906,977	
G-013097-R1	121819	132	23,093,000	
G-013149-R1	223630	75	22,066,969	Meter changed out to meet specs. Started at 0.
G-013423-R1	209336	260	54,107,331	
G-013974	19370	155.4	41,453,296	
G-014026	19432	146	11,485,900	Supplemental to surface water well.
G-016206	21928	115	23,873,560	
G-016616-R1	169839			Well not used in 2014.
G-016633	22408	75	14,012,000	Hailed but able to get crop. Didn't water as much as usual.
G-017090-R1	172826	131.6	24,808,980	
G-020681	26927	144.4	34,293,329	
G-020831	27090	120	24,178,193	
G-021172	27458	98	12,720,600	
G-021193	27482	124	25,648,039	
G-021735-R1	28060	132	41,300,000	
G-021830-R1	163082	125.1	2,173,400	Supplemental to surface water well.
G-044047	51391	130.83	41,532,134	Cost Share in 2012. Don't have beginning reading for 2014. Beginning reading in 2012 was 927.78 according to staff inspection. Gallons based on 3 years use divided by 3.
G-063177	71076	138.68	26,446,095	Cost Share 2012
G-039190	46392	156	32,692,329	
G-016869	22679	20	12,811,257	Producer reported ending reading of 2674.74. Inspection showed 1976.5 for ending reading. Used inspection reading because producer's number would have been over 50 inches of water use. Cost Share 2012
G-004871	8801	80	28,362,353	Meter was probably on in 2013, we missed it so we don't have a beginning reading for 2014. Divided use in half to get total pumped for 2014.
G-132142	156536			Well not used in 2014. -Producer reported 0 reading.
A-007012-R1	2028	143	20,629,436	
G-023479	29912	125	16,874,200	
G-042019	49302	145	43,704,363	2 years of use. Estimate according to this year's average. Missed 2013 Readings not sure beginning for 2014
G-068938	77063	135	23,352,440	Estimate. 2 years' reading. Cost Share, meter on end of 2013, no beginning reading for 2014
G-118169	142719	136	33,236,496	
G-001705	5190	140	34,838,582	
G-074144	82484	134	55,765,626	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-172064	227073	150	7,078,233	Supplemental to surface water well.
G-172642	226828	137	26,613,635	
G-171948	228629	133	23,352,440	
G-171471	229476	65	15,537,500	Producer reported meter reads in gallons x 100. Previous note: Used very little, meter reads in acre feet - Talked to Kelly will have correct meter on for 2015 season
G-171454	229850	77.13	15,707,910	Meter did not get on will estimate from hours. - Meter MUST be on for 2015
G-167954	223105	76	15,647,220	
G-161519	208462	67	12,135,200	
G-071177-R1	225427	133	17,366,883	this meter was probably on in 2013 we didn't get it sent out so we don't have a beginning reading for 2014
G-041996-R1	228128	21	4,750,592	
G-073798	82134	122	26,675,818	
G-173699	230989	171	31,670,253	
G-008178	12651	130	42,360,240	Installed meter part way through season. Meter reading shows 5.8 inches, but producer estimates 12 inches. Total gallons reflects 12 inches.
G-044680	52031			Well not used in 2014. -Crop hailed out, meter will begin at 0 for 2015
G-043639	50973	151	45,903,837	
G-041978-R1	222393	240	50,051,747	Meter not required. Producer will give readings. 2 years of use on reading; divided in half for 2014.
G-172798	230409	143.17	23,598,455	64.17 acres beans/wheat
G-061063	68882	240	54,650,955	

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-024713	NE 1/4	5	16	4	102	No Till
G-030567	NE 1/4	5	16	7	134.6	No Till
G-023406	SW 1/4	5	16	7	126.5	No Till
G-069714	NE 1/4	5	16	8	135	No Till
G-061236	SW 1/4	5	16	17	65	No Till
G-130632	SW of NW 1/4	5	16	18	115	No Till
G-127045	SE of SE 1/4	5	16	19	130	No Till
G-086748	NW 1/4	5	16	19	120	No Till
G-115336	SW 1/4	5	16	19	62	No Till
G-039492	SW 1/4	5	16	21	160	No Till
G-064303	NW 1/4	5	16	21	150	No Till
G-006759	SE 1/4	5	16	21	144	No Till
G-030857	NW 1/4	5	16	21	14	No Till
G-042526	NW 1/4	5	16	22	120	No Till
G-002334	SW 1/4	5	16	22	100	No Till
G-013965	SW 1/4	5	16	23	155	No Till
G-068947	NE 1/4	5	16	23	135	No Till
G-013352	SW 1/4	5	16	24	130	No Till
G-030229	NE 1/4	5	16	24	125	No Till
G-027921	SE 1/4	5	16	24	15	Minimum Till
G-045032	SW 1/4	5	16	27	131	No Till
G-001416	NW 1/4	5	16	27	122	No Till
G-028128	SW 1/4	5	16	28	155	No Till
G-013964	SW 1/4	5	16	28	14	No Till
G-085124	SE 1/4	5	16	28	10.3	No Till
G-065030	SE 1/4	5	16	29	155	No Till
G-037547	NE 1/4	5	16	29	120	No Till
G-013963	NE 1/4	5	16	29	41	No Till
G-025010	NW 1/4	5	16	29	40	No Till
G-025009	SW 1/4	5	16	29	26	No Till
G-020298	NW 1/4	5	16	30	130	No Till
G-023721	SW 1/4	5	16	31	61.2	No Till
G-028336	SW 1/4	5	16	31	30.8	No Till
G-114756	NW 1/4	5	16	32	37	Minimum Till
G-082492	NW 1/4	5	16	33	151	No Till
G-002716	NE 1/4	5	16	33	118	No Till
G-015121	SE 1/4	5	16	33	67	No Till
G-074967	SW 1/4	5	16	34	157	No Till
G-039968	NE 1/4	5	16	34	155	No Till
G-035158	NW 1/4	5	16	34	66	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
A-007026	NW 1/4	5	16	34	66	No Till
G-056321	NE 1/4	5	16	35	135	No Till
G-050365	SW 1/4	5	16	35	35	No Till
G-034806	SW 1/4	5	16	35	32	No Till
G-074588	SE 1/4	5	16	36	155	No Till
G-030141	SW 1/4	5	16	36	150	No Till
G-076893	NW 1/4	5	16	36	150	No Till
G-023069	NE 1/4	5	16	36	145	No Till
G-002475	SW 1/4	5	17	2	127	No Till
G-027064	SE 1/4	5	17	2	80.6	No Till
G-087727	SW 1/4	5	17	2	12	No Till
G-032478	SE 1/4	5	17	3	125	No Till
G-010959	SE 1/4	5	17	6	144	No Till
G-045681	NE 1/4	5	17	6	129	No Till
G-010454	lots 11, 12, 17, & 18	5	17	6	70	No Till
G-063852	NE 1/4	5	17	7	143	No Till
G-062245	pts of S2 of NE 1/4 & N2 of SE 1/4	5	17	7	119	No Till
G-032082	NE 1/4	5	17	9	68	No Till
G-052284	NW 1/4	5	17	9	67	Minimum Till
G-033160	NW 1/4	5	17	10	132	No Till
G-006845	SE 1/4	5	17	10	130	No Till
G-006844	SE 1/4	5	17	10	120	No Till
A-006726	NW 1/4	5	17	10	13	No Till
A-007010	SE 1/4	5	17	11	120	No Till
G-028090	NW 1/4	5	17	11	120	No Till
G-031733	SW 1/4	5	17	13	131.3	No Till
G-052826	NW 1/4	5	17	13	130	No Till
G-000125	SE 1/4	5	17	14	132	No Till
G-087522	NW 1/4	5	17	14	131.9	No Till
G-072383	NE 1/4	5	17	14	118.2	No Till
G-083647	SW 1/4	5	17	14	67.3	No Till
G-053691	SW 1/4	5	17	15	130	No Till
G-035141	SE 1/4	5	17	15	65	No Till
G-067725	NE 1/4	5	17	16	130	No Till
G-146199	NE1/4	5	17	16	124.47	No Till
A-008150	NW 1/4	5	17	16	124.47	No Till
G-048034	SW 1/4	5	17	17	111	No Till
G-074532	SE 1/4	5	17	17	42	No Till
G-056887	lots 1, 2, 7, & 8	5	17	18	158	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-029189	lots 3, 4, 5, & 6	5	17	18	153	No Till
G-041544	lots 3-6	5	17	19	79.5	No Till
G-091242	NE 1/4	5	17	21	65	No Till
G-042382	NW 1/4	5	17	21	44	No Till
G-074567	NE 1/4	5	17	22	63	No Till
G-076846	SW 1/4	5	17	23	145	No Till
G-036947	SE 1/4	5	17	23	65	No Till
G-020559	NE 1/4	5	17	24	133	No Till
G-025073	SE 1/4	5	17	24	130	No Till
G-067974	SW 1/4	5	17	24	130	No Till
G-091805	NW 1/4	5	17	24	67	No Till
G-028013	NE 1/4	5	17	25	130	No Till
G-048083	NW 1/4	5	17	25	130	No Till
G-069535	SE 1/4	5	17	25	53	No Till
G-128351	SW of SE 1/4	5	17	26	170	No Till
G-060870	SW 1/4	5	17	26	60	No Till
G-063123	SE 1/4	5	17	29	80	No Till
G-074324	lots 11, 12, 13, & 14	5	17	31	141	No Till
G-025739	SW 1/4	5	17	33	65	No Till
G-053486	SE 1/4	5	17	33	64	No Till
G-046944	NE 1/4	5	17	34	135	No Till
G-001694	SW 1/4	5	17	34	97	No Till
G-028120	NW 1/4	5	17	34	66	No Till
G-024353	NE 1/4	5	17	34	20	No Till
G-115347	SW 1/4	5	17	35	130	No Till
G-051378	SE 1/4	5	17	35	120	No Till
G-030282	NE 1/4	5	17	35	120	No Till
G-170025	NW 1/4	5	17	35	65	No Till
G-054318	NE 1/4	5	17	36	43	No Till
A-006382	NE 1/4	5	18	1	152	No Till
G-047270	SE 1/4	5	18	1	56	No Till
G-018931	NW 1/4	5	18	3	76	No Till
G-023376	SW 1/4	5	18	6	78	No Till
G-016210	NE 1/4	5	18	6	40	No Till
G-003499	NW 1/4	5	18	7	56	No Till
G-074706	NE 1/4	5	18	8	154	No Till
G-015350	NW 1/4	5	18	8	145	No Till
A-005838	NE 1/4	5	18	10	130	No Till
G-090257	SE 1/4	5	18	10	83	No Till
G-022762	NE 1/4	5	18	11	61	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-126616	NW 1/4	5	18	12	190	Minimum Till
G-165018	NE 1/4	5	18	12	76	No Till
G-024376	SW 1/4	5	18	12	64	No Till
G-062292B	SE 1/4	5	18	13	156.5	No Till
G-027510	SW 1/4	5	18	15	155	No Till
G-049435	NW 1/4	5	18	15	70	No Till
G-048441	NE 1/4	5	18	16	110.5	No Till
G-066990	NW 1/4	5	18	17	156	No Till
G-037902	NE 1/4	5	18	17	156	No Till
G-028692	SW 1/4	5	18	17	130	No Till
G-095680	NE 1/4	5	18	18	130	No Till
G-021705	NW 1/4	5	18	18	76	No Till
G-065869	NW 1/4	5	18	19	139	No Till
G-059221	SE 1/4	5	18	19	135	No Till
G-005936	SW 1/4	5	18	20	130	No Till
G-072701	NW 1/4	5	18	20	130	No Till
G-062981	NE 1/4	5	18	21	145.5	No Till
G-047719	NW 1/4	5	18	21	133	No Till
G-048442	SW 1/4	5	18	22	158.5	No Till
G-044991	SE 1/4	5	18	22	157	Minimum Till
G-022590	NW 1/4	5	18	22	150	No Till
G-070513	SW 1/4	5	18	23	155.5	No Till
G-060613	SE 1/4	5	18	24	131	No Till
G-081419	SW 1/4	5	18	24	51	No Till
G-129695	NW of SW 1/4	5	18	25	69.1	No Till
G-050678	NE 1/4	5	18	27	153.5	No Till
G-031086	SE 1/4	5	18	27	139.2	No Till
G-066228	NE 1/4	5	18	28	125	No Till
G-025488	SE 1/4	5	18	28	118	No Till
G-000802	NW 1/4	5	18	30	136	No Till
G-041704	SW 1/4	5	18	30	68	No Till
G-069042	SW 1/4	5	18	31	134	No Till
G-040134	NW 1/4	5	18	31	126	No Till
G-042013	NW 1/4	5	18	32	145	No Till
G-129056	NE of NE 1/4	5	18	32	133.5	No Till
G-022971	SE 1/4	5	18	32	130	No Till
G-045830	NW 1/4	5	18	33	92	No Till
G-042294	SE 1/4	5	18	34	95	No Till
G-002145	NE 1/4	5	18	34	79	No Till
G-025068	NW 1/4	5	18	34	38	Minimum Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-037900	NW 1/4	5	18	35	130	Minimum Till
G-050229	NE 1/4	5	18	35	128	No Till
G-030725	SE 1/4	5	18	35	74	No Till
G-119626	SE of SE 1/4	5	18	36	66.7	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-028636	NW 1/4	5	19	5	140	No Till
G-044680	NE 1/4	5	19	5	131	No Till
G-029428	NW 1/4	5	19	6	136	No Till
G-039462	SE 1/4	5	19	6	134	Minimum Till
G-060748	NE 1/4	5	19	6	128	Minimum Till
G-120087	Cent of SW 1/4	5	19	6	67	No Till
A-007514	SW 1/4	5	19	7	140	No Till
G-005935	NE 1/4	5	19	7	140	No Till
G-115304	SE	5	19	7	119	No Till
G-039385	NW 1/4	5	19	7	69	No Till
G-039461	NW 1/4	5	19	8	130	No Till
G-025108	NE 1/4	5	19	8	125	No Till
G-001256	SE 1/4	5	19	9	150	No Till
G-061775	NE 1/4	5	19	9	136	No Till
G-041783	SE 1/4	5	19	11	147	No Till
G-012366	NE 1/4	5	19	11	137	No Till
G-024222	SW 1/4	5	19	11	132	No Till
G-000540	SE 1/4	5	19	11	87	No Till
G-056969	NW 1/4	5	19	12	142	No Till
G-09150	SE 1/4	5	19	12	77	No Till
G-022334	NW 1/4	5	19	12	7	No Till
G-040491	SE 1/4	5	19	13	152	No Till
G-086015	SW 1/4	5	19	13	145	No Till
G-025998	SW 1/4	5	19	13	45	No Till
G-027644	NE 1/4	5	19	14	150	No Till
G-020404	SW 1/4	5	19	14	130	No Till
G-045600	NW 1/4	5	19	14	124	No Till
G-070221	SE 1/4	5	19	14	69	No Till
G-169903	N 1/2 of NW 1/4	5	19	16	220	No Till
G-129594	NE of NE 1/4	5	19	16	46	No Till
G-025987	SE 1/4	5	19	17	144	No Till
G-134076	SW of NW 1/4	5	19	17	140	No Till
G-032103	NW NW 1/4	5	19	18	75	No Till
G-061307	SW 1/4	5	19	18	62	No Till

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G-109792	NW 1/4	5	19	19	156	No Till
G-015987	SW 1/4	5	19	19	147.5	No Till
G-090649	NE 1/4	5	19	19	132	No Till
G-073389	NW 1/4	5	19	20	155.5	No Till
G-032374	SW 1/4	5	19	22	132	Minimum Till
G-003517	SE 1/4	5	19	22	62.5	Minimum Till
G-049914	NE 1/4	5	19	22	60	No Till
G-026301	NE 1/4	5	19	23	150	No Till
A-007273	SE 1/4	5	19	23	135	No Till
G-032287	SW 1/4	5	19	24	130	No Till
G-119670	NW 1/4	5	19	25	145.5	No Till
G-034186	SW 1/4	5	19	25	138	No Till
G-072466	SE 1/4	5	19	25	119	No Till
G-028487	SW 1/4	5	19	26	151	No Till
G-022556	NE 1/4	5	19	27	120	No Till
G-036688	NW 1/4	5	19	27	73.5	No Till
G-094006	SW 1/4	5	19	29	159	No Till
G-094234	SE 1/4	5	19	31	163	No Till
G-096953	SW 1/4	5	19	31	135	No Till
G-096952	NW 1/4	5	19	31	130	No Till
G-094233	NE 1/4	5	19	31	102	No Till
G-025704	SW 1/4	5	19	33	120	Minimum Till
G-042011	NE 1/4	5	19	33	90	No Till
G-044270	SE 1/4	5	19	34	135	No Till
G-086858	NW 1/4	5	19	36	150	No Till
G-106128	SE 1/4	5	19	36	130	No Till
G-040116	NE 1/4	5	19	36	130	No Till
G-030784	SW 1/4	5	19	36	128	No Till
G-123407	NE 1/4	6	16	5	135	No Till
G-035059	NW SW 1/4	6	16	5	98	No Till
G-130189	SE 1/4	6	16	17	143.65	Minimum Till
G-130190	NW of NE 1/4	6	16	17	103.5	Minimum Till
G-009596	NE of SE 1/4	6	16	29	71.6	No Till
G-060767	NW 1/4	6	16	30	149	Minimum Till
G-024070	NE 1/4	6	16	30	146	Minimum Till
G-002116	SW 1/4	6	16	30	110	Minimum Till
G-016501	SE 1/4	6	16	30	110	Minimum Till
G-016500	SE 1/4	6	16	30	31	Minimum Till
G-025830	SW 1/4	6	16	31	147	Minimum Till
G-053678	NE 1/4	6	16	31	140	Minimum Till

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G-024569	NW 1/4	6	16	31	140	Minimum Till
G-016502	NE 1/4	6	16	31	129	Minimum Till
G-081367	SW 1/4	6	16	32	170.25	No Till
G-057571	NW 1/4	6	16	32	155.8	No Till
G-032477	NE 1/4	6	16	32	73	Minimum Till
G-013396	NW 1/4	6	16	33	154	Minimum Till
G-005714	SW 1/4	6	16	33	146	Minimum Till
G-130559	SW of SW 1/4	6	17	3	154	No Till
G-011361	NE 1/4	6	17	4	141.1	No Till
G-034889	NE 1/4	6	17	4	7	No Till
G-038869	NE 1/4	6	17	4	7	No Till
G-132996	SW of NW 1/4	6	17	5	66	No Till
G-100986	lots pts 5, 6, 7, & 8	6	17	6	139	No Till
G-039539	lots 9, 10, 15 & 16	6	17	7	120	No Till
G-053867	lots 1, 2, 7 & 8	6	17	7	120	No Till
G-132544	SE of SE 1/4	6	17	7	63	No Till
G-069166	NE 1/4	6	17	8	78	No Till
G-013487	SW 1/4	6	17	8	62	No Till
G-133416	NW of NW 1/4	6	17	8	52	No Till
G-044894	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	64	No Till
G-001012	NE 1/4	6	17	18	150	No Till
G-113080	NE 1/4	6	17	18	150	No Till
G-031717	lots 2 & 7	6	17	19	120	Minimum Till
G-131168	SE 1/4	6	17	21	125	No Till
G-036220	NE 1/4	6	17	23	227	No Till
G-126657	NW of NW 1/4	6	17	25	73.7	No Till
G-060677	SW 1/4	6	17	25	67	Minimum Till
G-068903	NE 1/4	6	17	26	134.8	No Till
G-026335	SE 1/4	6	17	28	134	No Till
A-005637	lots 9, 10, 15 & 16	6	17	30	85	No Till
G-074132	SE 1/4	6	17	31	139.5	No Till
G-047646	SW 1/4	6	17	34	65	No Till
G-074644	NE 1/4	6	17	35	77.6	No Till
G-015957	SW 1/4	6	18	1	146	Minimum Till
G-029699	SW 1/4 SE 1/4	6	18	1	61	Minimum Till
G-045831	NW 1/4	6	18	2	135	Minimum Till
G-061063	NE 1/4	6	18	2	118	Minimum Till
G-067045	SE 1/4	6	18	2	39.5	Minimum Till

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G-113765	NW 1/4	6	18	3	134	No Till
G-129685	SW of NE 1/4	6	18	6	153	No Till
G-134566	NW of NW 1/4	6	18	6	10	No Till
G-133181	NW of SE 1/4	6	18	7	295	No Till
G-131624	SW of NW 1/4	6	18	7	112.48	No Till
G-135942	SE of SE 1/4	6	18	8	141	No Till
G-133038	NE 1/4	6	18	9	74	No Till
G-023699	NW 1/4	6	18	9	64	No Till
G-130100	NW of SE 1/4	6	18	10	146	Minimum Till
G-008028	NW 1/4	6	18	10	113	Minimum Till
G-063234	SW 1/4	6	18	12	135	Minimum Till
G-015956	NW 1/4	6	18	12	13	Minimum Till
G-132515	SW of SE 1/4	6	18	13	145	No Till
G-039297	SW 1/4	6	18	13	129	No Till
G-013612	NW 1/4	6	18	15	128	No Till
G-031315	SE 1/4	6	18	16	132	No Till
G-037081	NW 1/4	6	18	16	80	Minimum Till
G-129356	NE 1/4	6	18	16	68	Minimum Till
G-130452	NE of NW 1/4	6	18	17	137	No Till
G-071933	SW 1/4	6	18	17	131	No Till
G-044258	SW 1/4	6	18	20	160	No Till
G-044283	SE 1/4	6	18	20	158	No Till
G-041561	NE 1/4	6	18	20	152	No Till
G-030693	NW 1/4	6	18	20	137	No Till
G-069776	SE 1/4	6	18	21	162	No Till
G-074759	NW 1/4	6	18	21	150	Minimum Till
G-008006	SW 1/4	6	18	21	138	No Till
G-044968	NE 1/4	6	18	21	130	Minimum Till
G-059302	SE of NW	6	18	22	134	No Till
G-045284	SE 1/4	6	18	22	67.6	No Till
G-004679	SW 1/4	6	18	22	32.65	No Till
G-132514	NW of SW 1/4	6	18	23	180	No Till
G-071351	SE 1/4	6	18	25	160	No Till
G-028923	SE 1/4	6	18	25	150	No Till
G-028924	SW 1/4	6	18	25	134	No Till
G-026280	NW 1/4	6	18	27	136	No Till
G-008029	SW 1/4	6	18	27	69	No Till
G-006859	NE 1/4	6	18	28	76.5	No Till
G-003515	SE 1/4	6	18	28	60	No Till
G-044681	NE 1/4	6	18	30	142	Minimum Till

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G-032987	SW 1/4	6	18	30	70	No Till
G-035251	NE 1/4	6	18	31	152	No Till
G-041560	NW 1/4	6	18	31	130	No Till
G-056619	SW 1/4	6	18	31	100	No Till
G-026164	NW 1/4	6	18	32	141	No Till
G-028370	SW 1/4	6	18	32	100	No Till
G-030104	SW 1/4	6	18	32	100	No Till
G-036447	NE 1/4	6	19	1	134	No Till
G-045549	SE 1/4	6	19	2	134	No Till
G-014651	SW 1/4	6	19	2	126	No Till
A-006953	NE 1/4	6	19	3	100	No Till
G-088498	SW 1/4	6	19	5	140	No Till
G-036171	SE 1/4	6	19	6	148	No Till
G-167696	NW 1/4	6	19	6	136.8	No Till
G-132512	NE of NE 1/4	6	19	7	67	No Till
G-040343	SW 1/4	6	19	8	72	No Till
G-036476	SW 1/4	6	19	9	145	Minimum Till
G-044779	NW 1/4	6	19	9	135	No Till
G-025733	NE 1/4	6	19	9	97	No Till
A-005633	SE 1/4	6	19	10	156	No Till
G-068951	NW 1/4	6	19	10	73	No Till
G-042443	SW 1/4	6	19	11	137	No Till
G-126845	NW of SE 1/4	6	19	11	72.3	No Till
G-025757	NW SW 1/4	6	19	13	296	No Till
G-114016		6	19	13	30	No Till
G-025815	SW 1/4	6	19	14	155	No Till
G-004994	NE 1/4	6	19	14	146	No Till
G-110559	NE 1/4	6	19	14	143	No Till
G-025244	SE 1/4	6	19	14	141	No Till
G-029041	NE 1/4	6	19	15	150	No Till
G-058068	SE 1/4	6	19	15	130	Minimum Till
G-027416	NE 1/4	6	19	17	152	No Till
G-032462	SW 1/4	6	19	17	135	No Till
G-045710	NE 1/4	6	19	18	148	No Till
G-136259	SW of SW 1/4	6	19	18	22	No Till
G-030668	NW 1/4	6	19	19	143	No Till
G-074330	SW 1/4	6	19	19	67	No Till
G-129257	NW of NW 1/4	6	19	21	137	No Till
G-037347	NW 1/4	6	19	21	137	No Till
G-030892	NE 1/4	6	19	22	158	No Till

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G-035672	SW 1/4	6	19	22	78	Minimum Till
G-040622	SW 1/4	6	19	22	70	Minimum Till
A-005462	SE 1/4	6	19	23	236	No Till
G-007211	NW 1/4	6	19	23	156	No Till
G-013985	NE 1/4	6	19	23	110	No Till
G-031740	NW 1/4	6	19	24	140	No Till
G-009669	NE 1/4	6	19	24	137	No Till
G-071119	NE 1/4	6	19	24	134	No Till
G-025168	SW 1/4	6	19	24	133	No Till
G-048259	NE 1/4	6	19	25	290	No Till
G-073050	SE 1/4	6	19	25	70	No Till
G-094725	NW 1/4	6	19	26	218	No Till
G-040169	NE 1/4	6	19	26	130	No Till
G-073120	SW 1/4	6	19	26	91	No Till
G-074863	SW 1/4	6	19	27	157	No Till
G-026085	SE 1/4	6	19	27	145	No Till
G-032452	NE 1/4	6	19	28	143	No Till
G-052078	SE 1/4	6	19	28	62	Minimum Till
G-129577	SW 1/4	6	19	28	50	Minimum Till
G-005508	SE 1/4	6	19	29	151	No Till
G-038040	NE 1/4	6	19	29	144	No Till
G-005392	NW 1/4	6	19	29	126	No Till
G-020391	SW 1/4	6	19	29	79	No Till
G-029642	NE 1/4	6	19	30	154	No Till
G-073711	NE 1/4	6	19	31	145	No Till
G-025703	SE 1/4	6	19	32	155	No Till
G-066511	SW 1/4	6	19	32	153	No Till
G-034808	NW 1/4	6	19	32	137	No Till
G-005987	NE 1/4	6	19	33	135	No Till
G-013618	SW 1/4	6	19	34	160	Minimum Till
G-027136	NE 1/4	6	19	34	140	No Till
G-030448	NW 1/4	6	19	34	130	No Till
G-062535	NW 1/4	6	19	35	168	No Till
G-110137	SE 1/4	6	19	35	131	No Till
G-051086	SE 1/4	6	19	36	132	No Till
G-024296	NW 1/4	6	19	36	101	Minimum Till
G-045273	SW 1/4	6	20	1	130	Minimum Till
G-045402	NE 1/4	6	20	1	130	Minimum Till
G-001127	NW 1/4	6	20	1	65	No Till
G-041329	NE 1/4	6	20	3	136.92	No Till

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G-028012	SW 1/4	6	20	8	128	No Till
G-074374	NW 1/4	6	20	8	120	No Till
G-041487	SE 1/4	6	20	10	132	No Till
G-089768	NE 1/4	6	20	10	111	No Till
G-122126	SW of SE 1/4	6	20	12	142	No Till
G-002626	NW 1/4	6	20	12	139.7	Minimum Till
G-132157	NW 1/4 & pt SW	6	20	13	260	No Till
G-133446	SW of NE 1/4	6	20	14	130	No Till
G-001680	NW 1/4	6	20	14	110	No Till
G-043110	SW 1/4	6	20	15	68	No Till
G-026317	SE 1/4	6	20	17	97	No Till
G-091279	SE 1/4	6	20	22	69	No Till
G-052804	SE 1/4	6	20	23	130	Minimum Till
G-041369	NE 1/4	6	20	23	66	Minimum Till
G-024728	SE 1/4	6	20	24	134	No Till
G-132344	NW 1/4	6	20	24	125	Minimum Till
G-132076	NE 1/4	6	20	24	75	Minimum Till
G-074444	SW 1/4	6	20	25	72	No Till
G-026281	SW 1/4	6	20	25	60	No Till
G-024994	NE 1/4	6	20	26	145	No Till
G-074785	NW 1/4	6	20	27	147	No Till
G-033793	SW 1/4	6	20	27	30	Minimum Till
G-055770	NW 1/4	6	20	34	122	No Till
G-053759	NE 1/4	6	20	35	155	No Till
G-061360	NE 1/4	6	20	36	120	No Till
G-022942	SE 1/4	6	20	36	99	No Till
G-005681	SW 1/4	6	21	2	139	No Till
G-049326	NW 1/4	6	21	2	75.5	Minimum Till
G-029313	NE 1/4	6	21	10	121.5	No Till
G-002253	SW 1/4	6	21	11	142	No Till
G-028883	NE 1/4	6	21	12	152	No Till
G-060103	NW 1/4	7	17	17	120	No Till
G-034034	NW 1/4	7	17	17	40	Minimum Till
G-074630	lots 3, 4, 5 & 6	7	17	18	150	Minimum Till
G-119196	NE 1/4	7	17	18	145	Minimum Till
G-034035	NE 1/4	7	17	25	155	Minimum Till
G-139528	NW 1/4	7	17	28	70	Minimum Till
G-047810	NW 1/4	7	17	29	155	Minimum Till
G-028884	SW 1/4	7	17	29	70	No Till
G-023687	NE 1/4	7	17	30	145	No Till

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G-039976	SE 1/4	7	17	30	105	No Till
G-046723	lots 1 & 8	7	17	30	66.7	No Till
A-005616	lot 2	7	17	30	7	No Till
G-147457	NW 1/4	7	17	31	130	Minimum Till
G-021595	NE 1/4	7	17	31	65	No Till
G-068764	lots 1, 2, 7 & 8	7	17	31	12	Minimum Till
G-007950	SE 1/4	7	17	33	82	No Till
G-071289	NE 1/4	7	18	13	155	No Till
G-046945	SW 1/4	7	18	13	134.6	No Till
G-077708	NW 1/4	7	18	13	123	Minimum Till
G-081840	SE 1/4	7	18	14	130	No Till
G-057112	SE 1/4	7	18	15	154	No Till
G-129448	NE of NW 1/4	7	18	17	100	No Till
G-129872	NW of NE 1/4	7	18	17	30	No Till
G-127903	NW of NE 1/4	7	18	18	138	Minimum Till
G-041826	SE 1/4	7	18	19	161	No Till
G-130665	SW of SW 1/4	7	18	20	112	No Till
G-131463	SE	7	18	21	150	No Till
G-022438	NE 1/4	7	18	22	131	No Till
G-056497	NW 1/4	7	18	22	114.28	No Till
G-037114	SE 1/4	7	18	24	161	No Till
G-076064	NE 1/4	7	18	24	143.2	No Till
G-012216	NE 1/4	7	18	25	62	No Till
G-040651	NE 1/4	7	18	26	91.9	No Till
G-028701	SE 1/4	7	18	26	75	Minimum Till
G-022950	SW 1/4	7	18	26	74	No Till
G-040650	SE 1/4	7	18	27	130	No Till
A-005544	NW 1/4	7	18	28	157	No Till
G-002216	NE 1/4	7	18	28	142	Minimum Till
G-132841	SE of SE 1/4	7	18	29	112	No Till
G-132769	NW of SW 1/4	7	18	32	72	No Till
G-093751	SE 1/4	7	18	34	138	No Till
G-039497	NE 1/4	7	18	34	86	No Till
G-028077	NW 1/4	7	18	36	71	No Till
G-138416	NW 1/4	7	19	13	121	Minimum Till
G-007043	NW 1/4	7	19	16	143	No Till
G-002482	SW 1/4	7	19	16	134	No Till
G-034763	SE 1/4	7	19	16	67.5	No Till
G-132341	NE of SE 1/4	7	19	17	131	No Till
G-014735	NW 1/4	7	19	17	74	Minimum Till

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G-126121	SE1/4	7	19	18	140	No Till
G-009427	NW 1/4	7	19	18	130	Minimum Till
G-032611	SE 1/4	7	19	20	152	No Till
G-074549	NE 1/4	7	19	20	132	No Till
G-013807	NE 1/4	7	19	21	93	No Till
G-121515	NW of SE 1/4	7	19	21	70	No Till
G-038793	NW 1/4	7	19	21	46	Minimum Till
G-045570	NE NE 1/4	7	19	22	143	No Till
G-010960	NW 1/4	7	19	22	140	No Till
G-033171	SW 1/4	7	19	22	127	No Till
G-061996	SE 1/4	7	19	22	121	No Till
G-130799	NE of SE 1/4	7	19	23	158	No Till
G-132613	SE 1/4	7	19	24	120	No Till
G-132645	SW 1/4	7	19	25	110	No Till
G-074228	NW 1/4	7	19	26	110	Minimum Till
G-074261	NW 1/4	7	19	27	142	No Till
G-000317	NE 1/4	7	19	27	74	No Till
G-000746	NE 1/4	7	19	29	154	No Till
G-135944	NE of SW 1/4	7	19	29	76	No Till
G-172337	NE 1/4	7	19	30	154	No Till
G-012652	SE 1/4	7	19	31	75	No Till
G-023124	SW 1/4	7	19	32	139	No Till
G-133088	SE of NE 1/4	7	19	32	65	No Till
G-131993	SW of SW 1/4	7	19	33	130	No Till
G-064984	NE 1/4	7	19	34	135	No Till
G-032770	SW SW 1/4	7	19	35	56	No Till
G-065049	NW 1/4	7	19	36	135	No Till
G-151663	SW 1/4	7	19	36	62	No Till
G-023093	SW 1/4	7	20	13	141	No Till
G-015524	SE 1/4	7	20	13	61	Minimum Till
G-006383	NE 1/4	7	20	14	147	No Till
G-133634	NW of SE 1/4	7	20	14	139.45	No Till
G-023572	NE 1/4	7	20	15	150	No Till
G-133370	SW of SW 1/4	7	20	19	75	Minimum Till
G-000947	SW 1/4	7	20	20	130	Minimum Till
G-071957	NW 1/4	7	20	23	121.3	No Till
G-135943	NW of NE 1/4	7	20	23	89	Minimum Till
G-027010	SW 1/4	7	20	24	126.42	Minimum Till
G-042184	NW SE 1/4	7	20	26	148	No Till
G-033288	NE 1/4	7	20	26	135	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-027484	NW 1/4	7	20	32	126	No Till
G-069613	NW 1/4	7	20	33	287	No Till
G-129992	NE of NE 1/4	7	20	36	123	No Till
G-167700	SE	7	21	15	130	No Till
G-072797	SE 1/4	7	21	25	104	No Till
G-039594	SE 1/4	7	21	27	76	No Till
G-027227	NW 1/4	7	21	34	81	No Till
G-009227	SW 1/4	7	21	34	75	No Till
G-045821	NE 1/4	7	21	34	71	No Till
G-021159	SE 1/4	7	21	34	65	No Till
G-015972	SE 1/4	8	13	13	72	No Till
A-005964B	NE 1/4	8	13	16	116.04	No Till
G-010285	NW 1/4	8	13	17	131.6	No Till
G-060270	SE 1/4	8	13	17	70.5	No Till
G-070660	NE SW 1/4	8	13	21	134	No Till
G-000642	NW 1/4	8	13	21	134	No Till
G-040084	SE 1/4	8	13	21	132	No Till
G-033694	NE 1/4	8	13	22	135	Minimum Till
G-053462	SW 1/4	8	13	22	132	No Till
G-013440	SE 1/4	8	13	22	66	No Till
G-043853	NE 1/4	8	13	24	127	No Till
G-049790	NW of SE 1/4	8	14	13	132	Minimum Till
G-040841	SE 1/4	8	14	25	130	No Till
G-050868	SW 1/4	8	14	26	131	Minimum Till
G-067830	SW 1/4	8	14	27	131	Minimum Till
G-044832	SE 1/4	8	14	27	122	No Till
G-007340	SE 1/4	8	15	21	120	No Till
G-007631	SE 1/4	8	15	23	130	No Till
G-035005	SE of NE 1/4	8	15	23	94	No Till
G-007630	SE 1/4	8	15	23	40	No Till
G-071869	NW 1/4	8	15	23	13	No Till
G-070011	NE 1/4	8	15	31	133	No Till
G-059826	SE 1/4	8	15	32	132	No Till
G-048684	NE 1/4	8	15	34	150	No Till
G-053686	NW 1/4	8	15	34	150	No Till
G-044831	NW 1/4	8	15	35	128	No Till
G-035306	NE 1/4	8	16	19	136	No Till
G-125420	SE 1/4	8	16	19	74	No Till
G-034321	SW 1/4	8	16	30	135	Minimum Till
G-067832	SW 1/4	8	16	35	132	Minimum Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-067833	SE 1/4	8	16	35	132	Minimum Till
G-048556	SW 1/4	8	17	20	133.4	Minimum Till
G-044409	SW 1/4	8	17	23	135	No Till
G-049239	NW 1/4	8	17	25	153	No Till
G-049240	SW 1/4	8	17	25	133	No Till
G-063556	NW 1/4	8	17	26	136.5	No Till
G-061318	NE 1/4	8	17	26	136.5	No Till
G-088500	SE 1/4	8	17	33	130	Minimum Till
G-088499	NE 1/4	8	17	33	130	Minimum Till
G-055521	NW 1/4	8	17	34	136.9	Minimum Till
G-069017	NW 1/4	8	17	35	133	No Till
G-063815	NE 1/4	8	17	35	133	No Till
G-062791	SE 1/4	8	17	35	133	No Till
G-069018	SW 1/4	8	17	35	133	No Till
G-137937	SW 1/4	8	17	36	130	No Till
G-063395	NE 1/4	8	17	36	130	No Till
G-048991	NW 1/4	8	17	36	65	No Till
G-088487	SE 1/4	8	18	16	70	Minimum Till
G-007598	SE 1/4	8	18	16	15	Minimum Till
G-058321	SW 1/4	8	18	26	142	No Till

