

# 2015 Annual Report of Integrated Water Management Activities in the Platte Basin Within Tri-Basin NRD



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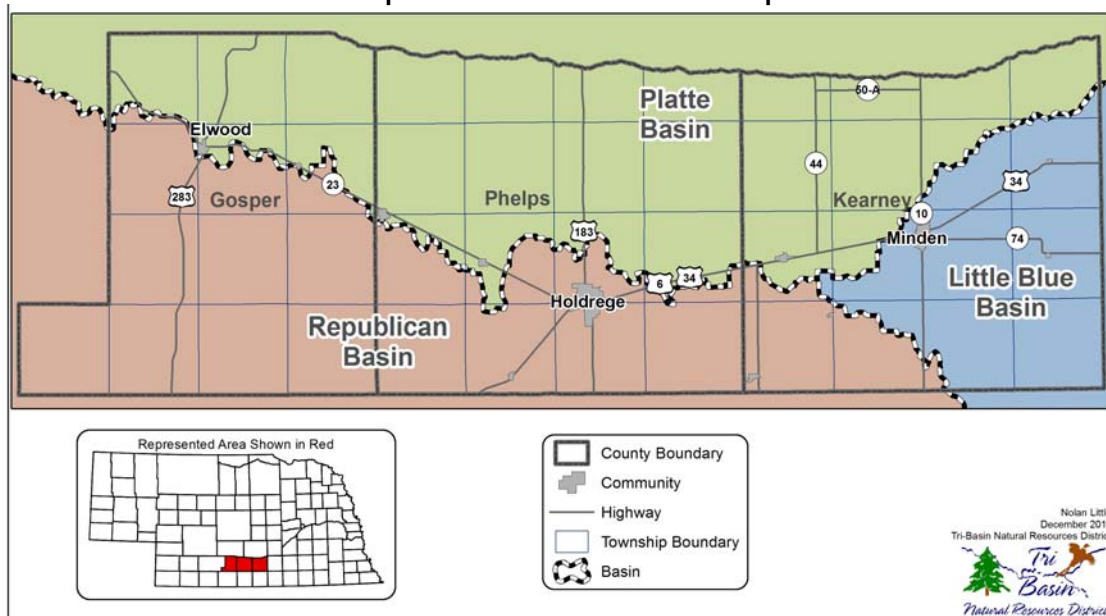
June 2016

**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 2016 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, 2015, of 298,694.18

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.

<b>TABLE 1: Platte Basin Certified Irrigated Acres</b>			
	<b>Year</b>	<b>Acres Certified</b>	<b>Commingled Acres</b>
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
	2015	35,655.82	10,554.56
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
	2015	167,337.72	78,127.66
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
	2015	95,700.64	23,325.27
District Wide	2010	297,732.87	
	2011	298,433.44	112,297.37
	2012	298,598.11	112,207.21
	2013	298,977.01	111,965.06
	2014	298,761.85	112,336.91
	2015	298,694.18	112,007.49

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.

<b>TABLE 2A: Platte Basin Transfers-Acres at Original Locations</b>		
<b>NRD Permit Number</b>	<b>Legal Description</b>	<b>Acres Dried Up</b>
TBAT-0258	East 1/2 Section 28-8-14	10
TBAT-0259	E 1/2 SE 1/4 Section 30-7-19	5.37
TBAT-0260	W 1/2 Section 31-7-19	16
TBAT-0261	NE 1/4 Section 32-7-19	5
TBAT-0262	S 1/2 SE 1/4 Section 12-6-19	11.47
TBAT-0267	NW; N 1/2 NE 1/4 of Section 27-7-19	11
TBAT-0268	N 1/2; Pt NE corner of SE 1/4 Section 15-7-20	7.68
TBAT-0269	N 1/2; Pt NE corner of SE 1/4 Section 15-7-20	13.22

NRD Permit Number	Legal Description	New Irrigated
TBAT-0258	NW 1/4 Section 29-8-14	10
TBAT-0259	NE 1/4 Section 19-6-19	5.37
TBAT-0260	NE 1/4 Section 19-6-19	16
TBAT-0261	NE 1/4 Section 19-6-19	5
TBAT-0262	NE 1/4 Section 19-6-19	11.47
TBAT-0267	East of NE 1/4 Section 19-7-19	11
TBAT-0268	Pt SW 1/4 Section 17-6-19	7.68
TBAT-0269	Pt SE 1/4 Section 8-6-19	13.22

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, 2015 and December 31, 2015 the district approved eight certified irrigated acre transfers in the Platte Basin. A total of 79.74 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 (Page 3) and TABLE 2B: Platte Basin Transfers-Acres at New Locations (above).

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 contiguous or 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 three permanent groundwater transfer permits in the Platte Basin between January 1, 2015 and December 31, 2015. TBNRD allows CNP-PID 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 2015. 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-0322	SW 1/4 Section 33-8-16	G-176401	236745	6	Permanent
GWT-0326	Pt NW 1/4 Section 10-7-20	G-015264	20849	9	Permanent
GWT-0331	S 1/2 SW 1/4 Section 7-6-15	G-178033	240120	72.71	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.

Well Permit Type	Permits
New (variance) irrigation	0
Replacement irrigation	18
Conditional replacement irrigation - supplemental to groundwater	4
Conditional replacement irrigation - supplemental to surface water	1
Dewatering (streamflow augmentation)	1
New commercial/industrial	4
Domestic (over 50 gpm)	

Permit Number	Well Permit Type	Legal Description	NDNR Reg. Number	Well ID Number
TB-1492	Stock Well	Section 15-7-20	G-175384	236650
TB-1493	Stock Well	Section 15-7-20	G-175373	236645
TBIN-1494	Industrial	Section 33-8-23	G-175614	236524
TBSG-1495	Supplemental to Ground Water	Section 33-8-16	G-176401	236745
TBIN-1499	Commercial	Section 19-7-19	G-177447	238330
TBDW-1500	Dewatering Well	Section 10-8-20	G-178735	240687
TBSG-1503	Supplemental to Ground Water	Section 16-8-21	G-177578	239253
TBSS-1507	Supplemental to Surface	Section 7-6-15	G-178033	240120
TBSG-1508	Supplemental to Ground Water	Section 7-6-17	NDY	
TBSG-1509	Supplemental to Ground Water	Section 22-7-15	NDY	

\*NDY - Not drilled yet

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** (page 4) is a breakdown of well permits that TBNRD issued in the Platte Basin between January 1, 2015 and December 31, 2015. A detailed listing of well permits issued by TBNRD in 2015 is found in **TABLE 5: Well Permit Summary** (above).

#### 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, 2015 and December 31, 2015.

Tri-Basin NRD corrected the district's certified acre database by certifying 29.8 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 weren't classified as irrigated cropland by county assessors. Beginning in October 2013, producers also had to show proof that the corrected acres had been watered three out of the past five years. 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
1/13/2015	Certified Acre Correction Request	East 40 Rods of NW 1/4, NE 1/4, & S 1/2 Section 29-8-14	6.7
3/10/2015	Certified Acre Correction Request	Lots 14 & 15 of Section 6-6-17W	3.88
5/12/2015	Certified Acre Correction Request	Pt NE of the NW 1/ Section 10-7-20W	9.62
7/14/2015	Livestock Conversion	Section 19-7-19	
9/8/2015	Variance to drill a well (DeWATERING Well)	SE 1/4 Section 10-8-20	
10/13/2015	Certified Acre Correction Request	Pt lot 4; pt lot 5 Section 3-8-21W	9.6

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 2015 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.

<b>NDNR Reg. Number</b>	<b>Well ID Number</b>	<b>Owner</b>	<b>Legal Description</b>	<b>Gallons Pumped</b>
G-123754-R2	210900	KAPPA Ethonal, LLC	Section 13-6-16	547,700
G-134413-R1	194280	KAAPA Ethanol, LLC	Section 13-6-16	81,254,400
G-123753-R1	194279	KAAPA Ethanol, LLC	Section 13-6-16	166,215,600
G-124061	152898	KAAPA Ethanol, LLC	Section 13-6-16	9,604,000
G-071962	80124	Mosaic	Section 15-6-16	0
G-071961	80123	Mosaic	Section 15-6-16	15,600
G-073875	82215	Village of Bertrand	Section 6-6-20	20,476,100
G-139944	171644	Brian Kissinger	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	Dan & Steve Wolfe	Section 28-8-16	4,000,000
G-093253	106683	Dan & Steve Wolfe	Section 28-8-16	4,000,000
G-087812	99723	Rusty's Fertilizer Inc	Section 21-8-18	943,200
G-080853	89509	Nebraska Public Power District	Section 4-8-21	108,000
G-073205	81395	Rockford G Plettner	Section 4-8-21	131,400,000
G-156977	199850	Central Nebraska Public Power and Irrigation District	Section 7-8-21	375,837,156
G-092923	102854	Central Nebraska Public Power and Irrigation District	Section 4-8-22	107,014,185
G-122576	151178	Bullhead Point Association	Section 5-8-22	5,555,500
G-076780-R1	124121	Lakeside Country Club	Section 8-8-22	20,790,000
G-076515	85080	Lakeside Country Club	Section 8-8-22	17,820,000

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 2015 landowners reported data from 447 flowmeters in the Platte Basin. The metered wells reported irrigating 53,525.25 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 4,295.62 more irrigated acres than were reported in 2014. 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.

TABLE 7: Platte Basin Municipal Water Use Data							
		2010	2011	2012	2013	2014	2015
Axtell	Jan.	2,261,300	3,708,500	3,124,800	2,923,900	2,653,500	2,282,900
Pop. 726	Feb.	2,690,700	3,301,900	3,104,600	2,395,100	2,359,000	2,027,700
(2010 census)	Mar.	3,757,400	3,649,000	4,241,500	2,530,000	2,740,400	4,393,300
	Apr.	3,336,000	3,742,000	5,751,800	3,195,600	3,836,900	4,318,200
	May	3,351,500	5,305,600	11,685,400	8,260,800	7,461,100	4,664,300
	June	3,895,700	7,600,700	14,211,000	11,960,000	7,534,900	5,876,500
	July	10,452,300	11,452,600	22,110,800	19,418,700	12,794,400	12,441,200
	Aug.	9,737,500	8,907,600	12,040,400	11,170,400	8,925,000	10,301,700
	Sept.	8,899,200	7,459,200	12,675,900	9,955,100	5,467,700	10,976,400
	Oct.	7,871,700	5,677,900	5,713,700	5,558,900	5,640,300	7,525,000
	Nov.	3,800,700	3,018,200	3,274,500	2,753,300	2,475,500	4,008,900
	Dec.	4,441,500	3,111,100	2,878,000	2,495,500	2,180,300	2,699,700
<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>71,516,700</b>
Bertrand	Jan.	4,380,000	4,234,000	3,575,000	4,002,000	4,422,000	2,036,000
Pop. 750	Feb.	3,998,000	3,655,000	3,348,000	3,571,000	3,817,000	1,946,000
(2010 census)	Mar.	3,383,000	3,876,000	3,846,000	3,533,000	4,069,000	3,125,000
	Apr.	3,837,000	4,307,000	6,122,000	3,858,000	4,949,000	4,487,000
	May	5,147,000	7,316,900	13,410,700	10,671,200	11,419,500	4,563,500
	June	6,153,000	9,301,200	17,711,000	15,688,200	8,539,000	4,853,100
	July	11,853,000	15,651,200	27,282,900	23,473,500	16,089,200	10,279,600
	Aug.	12,170,000	12,540,800	14,707,500	17,540,600	11,456,000	8,757,800
	Sept.	11,097,000	9,397,600	15,511,100	14,850,200	7,427,000	7,215,600
	Oct.	9,986,000	7,050,000	8,976,000	6,406,000	8,972,000	5,229,500
	Nov.	4,532,000	3,945,000	5,261,000	3,852,000	4,710,000	2,245,000
	Dec.	3,748,000	4,152,000	3,970,000	4,288,000	4,114,000	2,011,000
<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>56,749,100</b>
Elwood	Jan.	2,654,000	4,490,000	4,278,000	5,223,600	3,729,600	3,067,700
Pop. 707	Feb.	4,454,000	3,277,000	3,324,500	4,535,500	4,188,000	3,531,000
(2010 census)	Mar.	4,132,000	4,745,000	5,774,700	5,299,500	4,915,000	6,951,100
	Apr.	5,162,000	4,930,200	4,184,000	6,824,000	4,968,000	5,160,200
	May	6,407,000	7,990,000	16,881,600	4,795,500	12,601,700	6,668,600
	June	7,509,000	10,787,000	22,944,600	14,776,000	10,104,800	10,586,900
	July	12,253,300	9,682,800	30,825,300	28,116,000	20,316,600	19,270,800
	Aug.	12,469,000	17,946,300	20,347,800	17,587,000	15,146,100	11,772,800
	Sept.	12,818,000	7,851,600	15,277,100	13,151,900	9,033,400	10,001,500
	Oct.	10,493,000	8,301,000	9,352,300	5,936,800	6,043,600	6,784,900
	Nov.	5,631,000	5,195,900	4,511,400	4,311,200	3,827,000	3,373,000
	Dec.	4,269,600	3,483,000	4,061,900	3,800,900	4,682,500	3,468,000
<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>	<b>90,636,500</b>

(Continued on next page)

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

		2010	2011	2012	2013	2014	2015
<b>Funk</b>	Jan.	1,707,668	1,530,000	1,889,000	1,163,000	758,000	737,000
Pop. 194	Feb.	1,707,667	1,241,000	1,549,000	1,029,000	694,000	726,000
(2010 census)	Mar.	1,707,667	1,410,000	1,106,000	1,119,000	725,000	1,004,000
	Apr.	1,707,667	1,510,000	1,053,000	1,215,000	796,000	1,279,000
	May	1,707,667	2,081,000	2,432,000	1,830,000	2,346,000	1,347,000
	June	1,707,667	2,666,000	4,285,000	2,727,000	1,669,000	1,580,000
	July	2,482,000	2,833,000	3,508,000	4,608,000	3,132,000	3,150,000
	Aug.	2,455,000	2,656,000	2,773,000	3,154,000	2,394,000	1,443,000
	Sept.	2,035,000	2,614,000	3,043,000	2,247,000	1,443,000	3,291,000
	Oct.	2,061,000	1,732,000	1,990,000	1,123,000	1,045,000	1,535,000
	Nov.	1,578,000	1,500,000	1,251,000	780,000	809,000	717,000
	Dec.	1,321,000	1,630,000	1,152,000	748,000	760,000	1,047,000
<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>17,856,000</b>
<b>Loomis</b>	Jan.	1,589,000	1,287,000	1,709,000	1,254,000	1,223,000	1,163,000
Pop. 382	Feb.	3,217,000	2,080,000	1,033,000	783,000	1,150,000	1,177,000
(2010 census)	Mar.	3,815,000	1,254,000	1,553,000	1,124,000	1,341,000	2,116,000
	Apr.	1,887,000	1,953,000	2,428,000	1,534,000	1,952,000	4,199,000
	May	2,604,000	3,231,000	7,072,000	5,182,000	5,636,000	2,763,000
	June	2,384,000	4,369,000	10,692,000	7,094,000	4,465,000	5,302,000
	July	5,508,000	5,352,000	15,290,000	11,508,000	8,702,000	8,388,000
	Aug.	6,722,000	6,655,000	7,847,000	7,579,000	5,563,000	6,377,000
	Sept.	5,741,000	6,671,000	8,014,000	7,236,000	2,847,000	6,215,000
	Oct.	5,521,000	3,976,000	4,510,000	2,221,000	2,970,000	3,215,000
	Nov.	1,928,000	2,551,000	1,855,000	1,393,000	1,437,000	1,382,000
	Dec.	1,607,000	1,304,000	984,000	1,298,000	1,289,000	1,113,000
<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>43,410,000</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>	<b>3,447,200*</b>

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

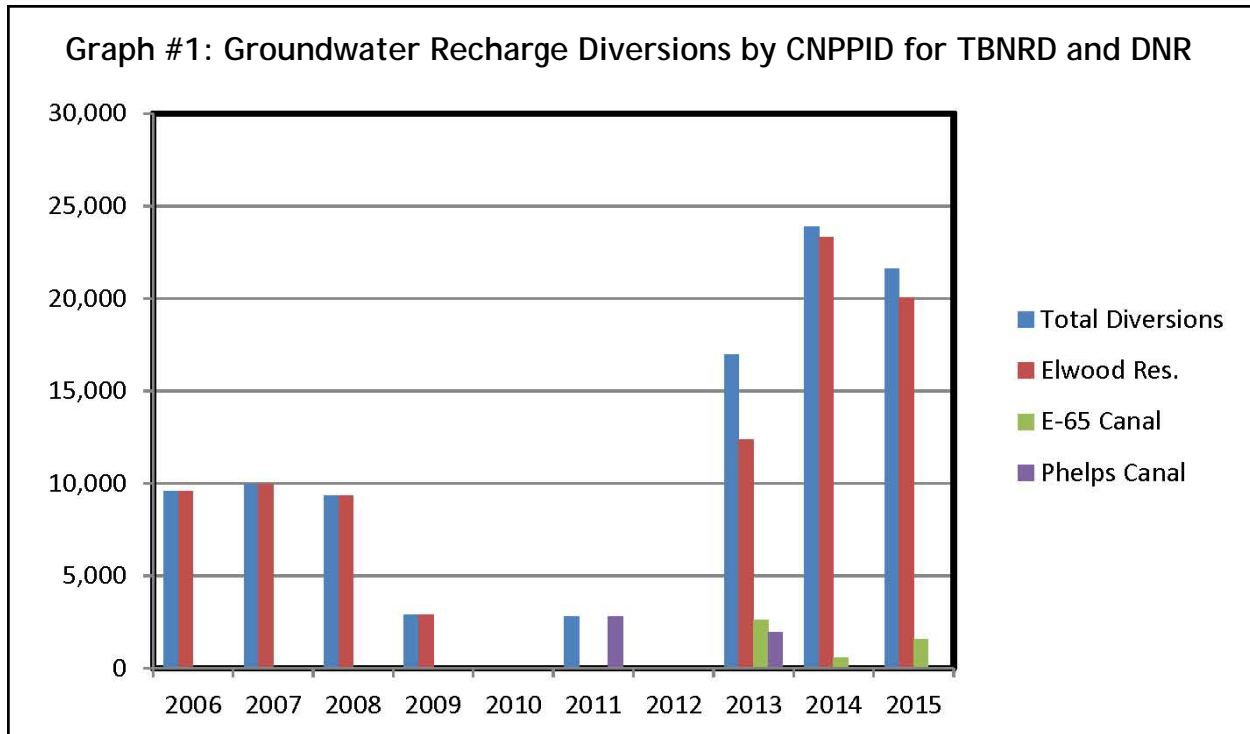
\*2015 Smithfield monthly data unavailable. Water Manager passed away; village staff was unaware that they were to be keeping monthly readings. They will begin January 2016.



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 (see Appendix D and graph below) have been made regularly over the past ten years. 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.

The Platte River Recovery Implementation Program (PRRIP) paid CNPPID to divert 4088 acre-feet of water into the Phelps County Canal in 2012. Since then, PRRIP has made additional diversions on several occasions when the Platte is flowing above target levels (see Appendix D and Graph #1: Groundwater Recharge Diversions by CNPPID for TBNRD, below). While recharge resulting from these diversions can't be used as a credit to offset depletions to Platte baseflows from post-1997 uses, they can be credited to Tri-Basin NRD toward reducing depletions to fully appropriated levels.



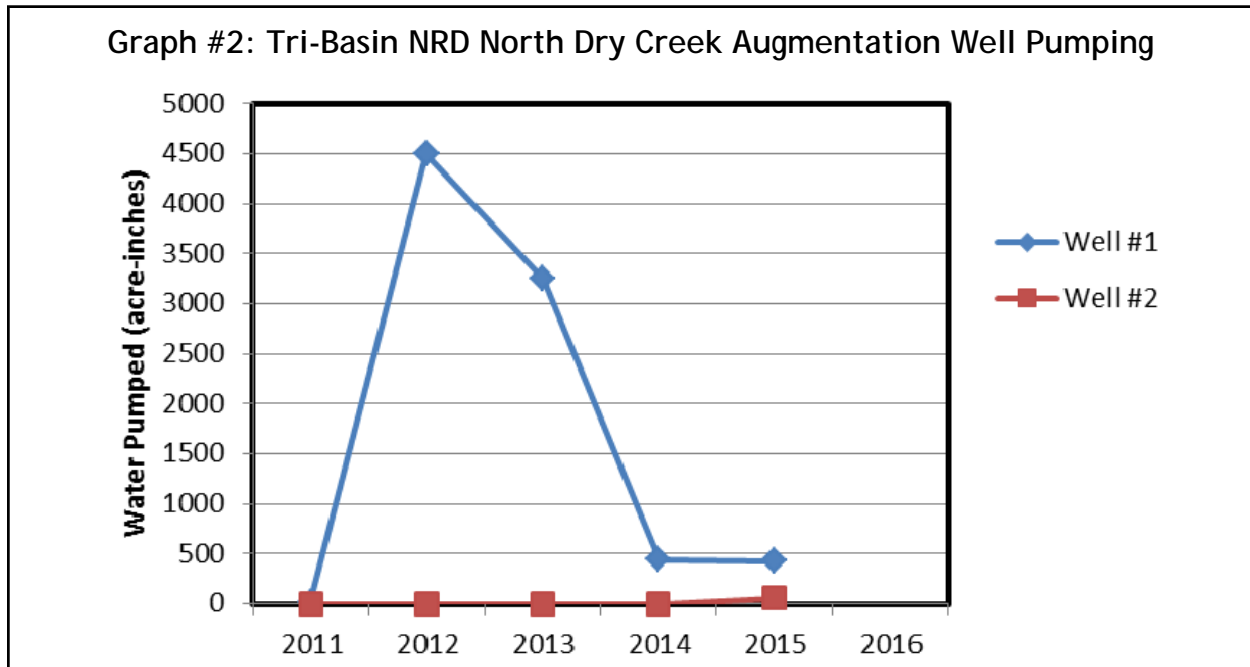
Tri-Basin NRD completed construction of a streamflow augmentation well along North Dry Creek in Kearney County in 2011. The well can pump as much as 1250 gallons per minute. A study of the augmentation wells' impacts, conducted by HDR Engineering in 2014 and commissioned by TBNRD and DNR, indicates that the average depletion caused by pumping augmentation well #1 over a 25-year period is equivalent to 44% of total pumping (see Graph #2: Tri-Basin NRD North Dry Creek Augmentation Well Pumping, page 10). Augmentation well pumping and resulting estimated offset credit is described in Appendix E. 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 243.06 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 2015 through 1 contract totaling 25.5 irrigated acres were signed up for USDA-EQIP Dry land Corners. Tri-Basin NRD records indicate that 30 irrigated acres are enrolled in USDA Conservation Reserve Enhancement Program (CREP) in the Platte Basin portion of the district. This contract is set to expire in the fall of this year.

Landowners reported to TBNRD on district Groundwater Quality Management Area crop re-

ports that conservation tillage practices have been adopted or continue to be utilized on 68,202.41 certified irrigated acres in the Platte Basin portion of the district during 2015 (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 2015 through this conservation practice.



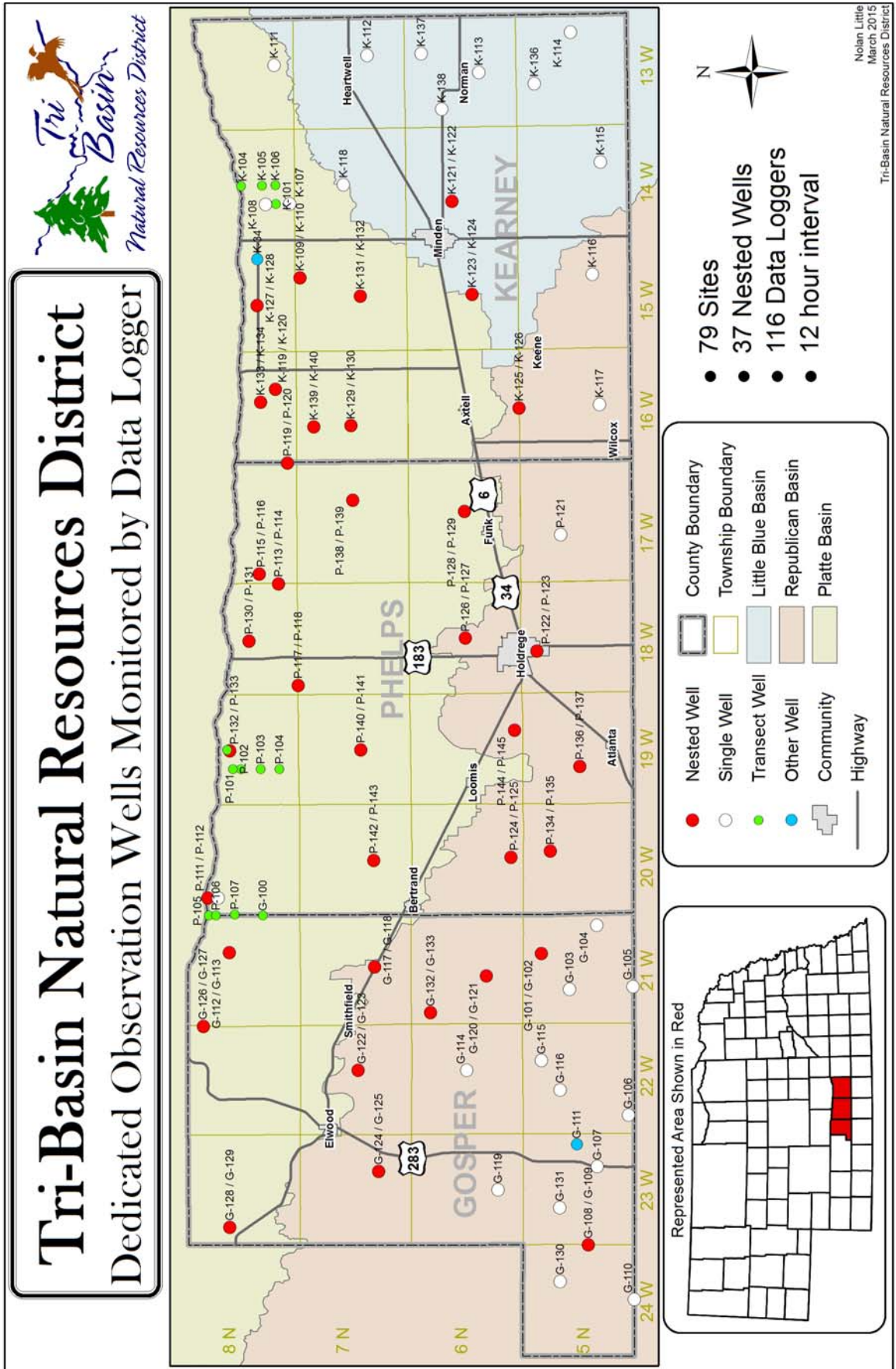
Tri-Basin NRD signed agreements with DNR, Central Platte NRD (CPNRD) and Twin Platte NRD to participate in funding the proposed “J-2 Re-regulation Reservoir” project southwest of Overton, Nebraska. It is anticipated that this reservoir will store up to 8000 acre-feet of water, and that it will fill as 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 2040 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. No offset water credit was provided by this means in 2015.

#### XI. GROUNDWATER LEVELS

TBNRD has an extensive network of 116 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  
2015 Platte Basin Annual Report  
Appendix B**

DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-022286	28646	30	4,090,479	
G-030496	37375	130	14,954,400	
G-064272	72215	32	8,807,700	
G-096150	109726	130	27,679,972	seed corn
A-005851-R2	234961	156.43	92,622,200	
G-036585	43719	44.9	8,553,510	wheat and cane
G-032220	39203	150	44,844,016	
G-023149	29563	26	8,432,946	
G-023266	29683	149	38,570,400	
G-023615	30058	155	37,675,800	
G-024078-R1	98512	129.56	36,202,200	
G-024327	30807	135	35,772,000	
G-024459-R1	97819	75	32,828,950	Estimate.
G-025069	31589	149	28,321,622	Estimate.
G-025152	31677	125	29,406,000	
G-025207	31736	130	18,881,500	Supplemental Well
G-025550	32099			Supplemental Well -Not Used in 2015
G-025703	32260	135	35,462,000	
G-025803	32369	140	34,225,300	
G-026446	33051	167	30,000,825	Supplemental Well
G-027184	33850	140	33,631,000	
G-027484-R1	225652	135	30,106,997	
G-028077	34788	146	26,563,000	
G-028636	35400	132	18,319,300	
G-028660-R2	160179	135	12,056,800	
G-028765-R1	35540	148	3,221,100	Supplemental Well
G-028884	35667	140	43,196,700	
G-029347	36156	104.7	28,317,000	
G-029951-R1	217569	38	11,901,869	
G-030265	37128	50	40,404,065	
G-030668-R1	164677	135	5,557,800	Supplemental Well
G-030936-R1	176011	120	31,943,900	
G-031102	38030	133	25,661,000	
G-031354	38311	139	63,800,000	
G-031657	38620	62	24,772,100	
G-031862-R1	170685	147.5	39,721,200	
G-031885-R1	168468	149.9	41,862,400	
G-032462-R1	166009	124	33,266,900	
G-033788	40819	147.2	4,021,900	Supplemental Well
G-033845	40877	132	44,714,500	
G-034024	41062	85	27,850,000	
G-034034-R1	93086	77	12,070,600	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-034522	41576	20		Well not Used in 2015
G-034601	41656	70	17,341,100	
G-034607-R1	95424	191	49,605,470	
G-034808	41871	134	30,564,542	Estimate.
G-035027	42096	116.7	28,650,000	
G-035028	42097	154.8	33,343,600	
G-035046-R1	149129	94.08	27,631,000	
G-035210-R1	42287	132	22,293,434	
G-035230-R1	209844	100	33,019,264	
G-035306	42390	136	46,296,483	
G-035840-R1	221855	265	673,200	Supplemental Well -Not Used in 2015
G-036219-R1	213455	75	29,590,528	
G-036447-R1	203726	135	33,490,200	
G-036500	43633	132	43,012,000	
G-036677	43812	130	48,542,934	
G-037041	44181	40	547,000	Supplemental Well -Not Used in 2015
G-037347	44495			Supplemental Well -Not Used in 2015
G-037931-R1	227572	140	30,111,500	
G-038167-R2	209014	130	30,821,700	
G-038172	45343	130	47,454,330	
G-039054	46251	119	25,568,477	
G-039106	46304	128	47,995,800	
G-039663-R1	199851	95	21,417,500	
G-040337	47575	135	37,350,600	
G-040839	48087	118	22,937,526	
G-041183	48439	142	46,901,100	
G-041329-R1	219361	125	28,436,211	
G-041350	48611	127	25,340,112	
G-041369-R1	188563	66	15,900,500	
G-041826	49107	157.8	25,206,800	
G-042824	50125	159.94	36,536,500	
G-042992-R1	191750	135	24,164,600	
G-043275-R1	50593	137	37,271,037	
G-043276-R1	169041	147	28,167,115	
G-043366-R1	127238	88	12,419,700	
G-043947	51286	137	37,306,600	
G-044222	51568	165	70,685,300	
G-044570	51919	30	4,079,976	Estimate
G-044608	51959	132	28,016,900	
G-044918	52271	196.4	41,690,350	
G-045284	52644	135.13	22,769,700	Did not use 2nd meter in 2015.

**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-046434	53847	155	48,616,800	
G-048424	55885	142	39,003,100	
G-049567-R1	221186	146	34,733,496	
G-050030	57531	154	36,847,000	Producer reported 664513 changed to match staff field inspection made more sense; will look at fall 2016 to see what it has done.
G-053870	61445	150	37,261,700	
G-054523	62111	150	30,253,800	
G-055251	62856	135.47	42,196,600	
G-055382-R1	172201	156.7	45,851,000	
G-055521	63130	136.8	102,600,574	
G-056004	63618	102.5	37,404,300	
G-056606-R1	64243	133	44,536,000	
G-057082	64744	154.8	92,708,100	
G-057427-R1	222051	204	46,452,000	
G-058508	66218	136	45,075,640	
G-059592	67347	149.26	23,870,700	
G-060797-R1	212228	100	27,294,386	
G-061501-R1	221352	152	20,818,000	
G-061654	69490	150.5	27,545,500	
G-061946	69783	127.48	28,480,700	
G-063158	71057	156	49,984,100	
G-063232	71133	145	40,191,000	
G-063968	71890	130	1,910	
G-064069	71993	65.25	18,679,800	
G-064756	72722	77.21	40,734,400	
G-064840	72808	155	30,136,400	
G-065598	73589	130	54,738,119	
G-066270	74279	134	28,678,000	
G-066511	74530	131.6	3,675,600	
G-067478	75541	65	14,758,199	
G-067820	75893	135	23,766,300	
G-067926	76002	120	31,387,900	
G-067960	76038	132	58,812,300	
G-068235	76316	126	36,169,128	
G-068903	77028	134.8	18,046,400	
G-069457	77609	67	6,426,300	
G-069536	77689	130	47,905,300	
G-069613	77769	275	50,432,038	
G-070731	78892	158.2	37,467,000	
G-070802	78963	145	28,681,000	
G-070946	79107	14	2,376,700	
G-071178-R1	162859	144.83	30,789,300	



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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-071179	79340	120	56,902,000	
G-072455-R1	206053	132	44,436,163	
G-072667	80855	140	22,586,154	
G-072681	80869	20	3,392,400	
G-073172	81360	70	14,092,926	
G-073863	82203	150	38,945,900	Series Well w/ A-008164-R1 - 2 Wells each own meter.
G-074176	82517	130	24,123,342	
G-074256	82601	79	48,980,700	
G-074282	82627	134	31,468,000	
G-074365	82710	127	24,139,906	Estimate.
G-074392	82739	76.07	13,551,300	
G-074662	83011	105	38,087,200	
G-087416	99269	140	54,041,619	
G-087842	99647	143	45,386,000	
G-091120	102868	142	54,802,100	
G-091407	102859	120	47,645,000	
G-094083	107849	130	41,773,000	
G-096555	109842	131.39	17,209,000	
G-096676	112194	130	28,767,219	
G-100388	114419	145	31,422,300	
G-110172	129232	134	25,272,500	
G-116457	140343	130	37,065,210	Estimate. Meter broken and will be fixed.
G-116906	141679	95	51,588,800	Estimate.
G-119660	146805	88	21,595,033	
G-121077	147633	152.8	41,072,400	
G-121219	146009	120	37,943,200	
G-121766	146008	150	29,815,092	
G-121894	148344	181.97	35,221,200	
G-122529	147634	78.2	10,542,700	Supplemental Well
G-123303	149183	64	14,537,000	
G-124617	152724	128	27,648,000	Estimate. Meter not working. Will have repaired.
G-125286	152448	40	16,514,800	
G-125287	152447	130	22,882,200	
G-127496	153919	127	34,547,300	
G-127559	155815	135	35,303,900	
G-128172	154500	37.5	19,977,400	
G-129150	154896	147	38,199,500	Supplemental Well
G-129257	160440	137	17,857,200	Supplemental Well
G-129577	158376	120	8,472,300	Supplemental Well
G-129685	156989	136.2	3,253,049	Supplemental Well
G-129692	160438	140	33,225,700	
G-130058	154894	95	65,183,991	
G-130108	159812	75	17,753,285	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-130225	160878	156	45,095,500	
G-130559	156326	152.5	37,136,600	
G-130635	159808	19	4,327,300	
G-130699	161380	135.1	27,298,300	
G-130801	154254	130	31,502,800	
G-130918	161076	136	34,729,300	
G-130954	162385	10	1,354,600	Supplemental Well -Not Used in 2015
G-131043	161371	148	53,299,900	
G-131271	156876	130	29,997,000	
G-131440	156871	124	1,066,800	Supplemental Well -Not Used in 2015
G-131622	155819	100	31,289,000	
G-131623	155812	135	31,165,700	
G-131726	162133	150.88	64,009,900	
G-131774	163016	134	27,658,800	
G-131925	162127	133.04	13,281,300	
G-131927	161757	130	47,257,900	
G-131930	162388	122.6	43,058,800	
G-132158	163442	130	31,340,800	
G-132168	160566	135	37,791,600	
G-132241	165009	128	27,831,200	Supplemental Well
G-132339	156879	129.42	15,688,500	
G-132340	156877	134.95	4,114,400	Supplemental Well
G-132341	156875	128	5,906,700	Supplemental Well
G-132344	156789	53	12,445,200	
G-132359	160881	132	14,331,881	Supplemental Well - 95 acres seed corn, 6 acres milo.
G-132512	161373	135	30,520,500	
G-132514	165545	165	15,040,900	
G-132529	161379	141.5	40,539,200	
G-132531	161571	140	46,668,765	
G-132532	161572	151.12	65,944,700	
G-132544	159256	136.5	20,226,199	
G-132547	159597	153.5	32,020,400	
G-132644	160439	156.3	81,069,900	
G-132663	164229	154.3	14,632,475	New meter. Double cropped with wheat silage.
G-132700	165015	132	111,544,300	producer reading 1.5" higher than staff probalby ran after inspection
G-132701	165016	132	94,611,100	we will have to see what producer sends -staff inspection would indicate meter not working unless it rolled over which looking at the past readings is probably possible -approx 26"
G-132733	159884	135	39,334,600	
G-132734	164687	115	50,147,464	
G-132768	165657	140.1	15,463,400	
G-132769	160567	144	39,819,200	
G-132798	159254	130	14,522,700	Supplemental Well -producer doesn't think meter is working right. Will replace for 2016.

**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-132840	160488	151	32,954,600	
G-133038	165739	130	28,078,800	
G-133180	161381	144.7	31,481,800	
G-133181	161382	141.9	34,576,000	
G-133233	162390	117	29,787,200	
G-133234	161749	148	35,397,600	
G-133235	158379	117	47,842,300	
G-133352	162136	135	20,582,188	
G-133405	165547	120	36,302,600	
G-133416	165335	52	14,512,500	
G-133421	161383	101	30,628,897	
G-133426	165471	65	21,738,800	
G-133471	163782	130	26,614,500	
G-133725	162123	130	35,385,100	
G-133759	160323	87	30,606,088	
G-133929	164406	75	50,715,700	changed producer reading [77545] according to staff inspection, result made more sense
G-133952	166448		5,710,800	Mosaic pond. -changed producers reading [15971] to match staff reading made more sense
G-134113	166449	130	34,039,500	
G-134130	162140	132	56,380,900	
G-134132	162139	67	14,712,800	
G-134186	166699	75	2,549,218	Supplemental Well
G-134199	162134	130	28,365,883	
G-134206	166528	118	6,453,800	Supplemental Well
G-134230	166010	130.47	21,686,200	
G-134566	160564	123	31,262,500	
G-134706	167566	140	26,416,200	
G-134879	162601	65	615,000	Supplemental Well -Not Used in 2015
G-135119	169328	156.3	24,069,600	
G-135169	166605	147	34,140,200	
G-135192	167715	5	3,027,300	Supplemental Well
G-135193	167716	65	11,643,900	Supplemental Well
G-135213	166040	86	23,964,600	
G-135516	169018	120	52,652,300	
G-135532	160565	140	2,558,500	Supplemental Well
G-135822	169468	99.6	27,594,900	
G-135950	161750	136	1,939,100	Supplemental Well
G-136259	169013	88	16,054,700	
G-136650	169774	135	59,410,700	
G-136691	165017	135	24,158,300	
G-137318	169448	110	11,709,000	
G-137329	169841	134.3	32,040,000	Electronic meter. Reads total gallons each year; restarts at 0.

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-137381	170158	145	7,014,421	Supplemental Well
G-137402	170172	145	40,915,647	
G-137403	170742	72	17,804,200	
G-137447	165018	135	29,154,500	Supplemental Well -3 corners watered with surface water.
G-137937	172642	134	72,419,000	
G-137967	166808	292	33,878,400	
G-138203	172442	155	44,987,389	
G-138280	162142	69	16,903,800	
G-138416	162122	145	22,295,500	
G-138534	172370	150	27,647,931	
G-138594	172862	74.6	55,953,200	
G-139059	172599	100	30,116,800	
G-139271	170679	120	35,733,100	
G-139360	165336	40	28,172,600	
G-139572	169042	100	20,981,900	
G-140625	172547	130	3,594,700	Supplemental Well
G-141518	173834	65	14,477,400	
G-141860	177863	93.3	18,282,196	2014 wrong ending reading was given. Questioned multiplier, confirmed acre foot with operator- John ok'd as grandfathered
G-142036	170682	59	15,979,700	Supplemental Well
G-142430	178761	130	18,417,800	Supplemental Well -Surface water on corners and 1/2 of pivot
G-142530	173630	139	33,012,800	
G-142566	178584	52		Supplemental Well -Not Used in 2015
G-142967	178585	215	84,481,600	
G-143253	177864	243	2,545,700	Supplemental Well -Not Used in 2015
G-144298	182757	65	16,457,104	
G-144555	181381	150		Supplemental Well -Not Used in 2015
G-144716	182053	145	41,993,200	
G-144783	183104	135	39,748,000	
G-144784	180131	76	17,249,306	
G-144823	182952	205	24,897,000	
G-144980	182209	135	42,916,300	
G-145042	183105	100	22,956,400	
G-145565-R1	190217	130	27,917,298	
G-145863	185009	132	6,106,500	Supplemental Well
G-145885	178762	40	7,710,100	
G-145993	183670	75		Supplemental Well -Not Used in 2015
G-146977	180054	50	24,238,800	
G-147124	182953	150	28,875,100	
G-147456	188634	65	13,245,178	
G-147457	188635	130	39,600,578	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-148411	189364	135.31	45,880,700	
G-148565	187309	131.7		Supplemental Well -Not Used in 2015
G-148621	191026	75	24,451,633	
G-148622	190543	130		Supplemental Well -Not Used in 2015
G-148685	188800	125	35,161,443	
G-148702	189813	94	60,658,505	
G-148743	187694	100		Supplemental Well -Not Used in 2015
G-149188	191318	134	40,795,700	
G-149618	192106	132	36,720,082	
G-149663	191521	74	20,128,446	
G-149890	191025	87	24,111,937	40 acres irrigated grass.
G-150891	187697	129	9,945,700	Supplemental Well
G-151663	191248	62	16,045,298	
G-152478	197495	148.2	29,155,521	
G-152676	191017	125	31,686,545	
G-152707	197427	180	24,421,600	Supplemental Well
G-153081	197627	68	10,709,537	Estimate. Will have meter fixed.
G-153624	199985	100	21,807,377	
G-157641	202660	121		Only used well to flush pivot. Used surface water for irrigation.
G-158114	208108	72	24,123,070	
G-159284	208463	162.8	39,457,205	
G-161020	213049	128	65,935,800	
G-161031	214156	30	26,479,149	
G-162791	215361	30	17,887,697	
G-162926	216452	74.5	18,927,695	
G-164032	219279	155	55,818,577	New meter in 2015. Changed to acre inches.
G-164644	218534	160	38,206,492	
G-164765	217905			Supplemental Well -Not Used in 2015
G-165055	220042	148	29,159,594	Supplemental Well - 5 acres alfalfa.
G-165537	215283	48	30,385,326	New meter. Reads in acre inches.
G-165597	218166	75	39,228,840	
G-166011	221015	130	30,948,228	
G-166108	222272	67	22,333,893	
G-166557	217687	124	52,511,219	
G-166720	222354	148	45,692,850	
G-167012	221958	31.8	10,763,302	14 acres feed.
G-167286	223104	144	32,464,507	
G-167416	222557	77.1	26,628,570	
G-167483	224220	105	1,206,452	Supplemental Well -Not Used in 2015
G-167695	221189	127	7,529,261	Supplemental Well
G-167696	221856	130	11,168,440	Supplemental Well
G-167697	222232	62	38,873,666	
G-167700	222753	150	7,036,500	Supplemental Well

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-167889	222616	76	18,763,414	
G-168005	223141	57	15,063,138	
G-168610	217989	143	36,806,160	
G-169763	225845	43	36,717,300	
G-169866	224583	62	13,704,352	
G-170249	228482	122	44,046,503	
G-170397	222559	79.39	5,325,714	Supplemental Well
A-005254	805	152	43,107,300	
A-005527	1006	138.55	23,972,100	
A-005544-R1	113944	135	41,825,400	
A-005573-R1	203922	215	13,662,300	
A-005616	1053	129.7	30,416,824	
A-005964B-R1	182843	116	27,840,996	
A-005987	1325	73.9	33,091,400	Changed ending reading for 2014 because of data entry error. Total gallons entered was correct.
A-006470	1647	130	46,367,898	
A-006862	1917	148	54,598,000	
A-008164-R1	174548	150	50,532,236	Series Well w/ G-073863 - 2 Wells, each own meter
G-000273-R1	98237	127	26,359,745	
G-000317-R2	219289	132	29,677,200	
G-000559	3859	97	40,223,200	
G-000597-R1	207683	135	28,271,930	
G-000671-R1	3992	300	71,458,800	
G-001127	4516	130	33,093,665	
G-001152	4544	134		Well not Used in 2015
G-001228-R1	92085	73	44,201,700	
G-001374-R1	222615	135	26,862,300	
G-001498	4954	245.63	22,196,000	this well waters additional acres, they will add them on this year. The well waters everything south of hwy in the west 1/2 section of this section. 15.4 inches total-2 meters. 77.74 a alfalfa; 13.86 a oats.
G-002216-R1	166014	128	33,904,600	
G-002383-R1	128836	132	28,915,900	
G-003468	7201	77	44,784,000	
G-005097-R1	114236	135.3	38,132,100	
G-005392	9390			Well not Used in 2015
G-007340-R1	162706	130	32,853,800	
G-007342-R1	162707	119	36,534,400	
G-007488-R1	11845	151.18		Well not Used in 2015
G-009462	14164	70.4	8,249,000	
G-009596	14319	71.6	10,980,100	
G-010388-R1	213868	65	8,472,863	
G-011357-R1	16352	125	34,550,206	New meter put on 4/29/2015
G-011745-R1	16802	132.4	36,492,300	
G-012651-R1	191520	67	21,319,691	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-013097-R1	121819	132	26,450,900	Supplemental Well -2 corners watered with surface water.
G-013149-R1	223630	75	33,711,419	
G-013423-R1	209336	260	33,458,887	
G-013974	19370	155.4	34,971,908	
G-014026	19432	146	5,471,100	Supplemental Well
G-016206	21928	137	31,337,500	Estimate. - Meter not working, cannot read -Producer will have fixed.
G-016616-R1	169839	160		Supplemental Well -Not Used in 2015
G-016633	22408	75	46,710,200	
G-017090-R1	172826	131.6	32,006,148	
G-020681	26927	133.6	33,086,605	
G-020831	27090	120	33,159,107	
G-021172	27458	98	38,523,600	
G-021193	27482	124	35,382,748	
G-021735-R1	28060	132	36,004,000	
G-021830-R1	163082	125.1		Supplemental Well -Not Used in 2015
G-044047	51391	145	34,730,237	
G-063177	71076	138.68	3,310,887	
G-039190	46392	156	26,925,091	
G-016869	22679	20		Supplemental Well -Not Used in 2015
G-004871	8801	80	16,889,788	
G-132142	156536	76.04		Supplemental Well -Not Used in 2015
A-007012-R1	2028	143	16,932,764	
G-023479	29912	125	29,659,100	
G-042019	49302	145	21,714,782	
G-068938	77063	135	33,860,223	
G-118169	142719	136	52,633,955	
G-001705	5190	140	41,572,774	Dwight Schneider in 2015 said that Krings would be doing in 2016
G-074144	82484	134	30,502,631	
G-172064	227073	150	241,104	Supplemental Well -Not Used in 2015
G-172642	226828	137	35,793,045	
G-172337	230621	130.5	5,849,515	Supplemental Well
G-171948	228629	133	35,831,332	
G-171471	229476	65	13,972,000	
G-171454	229850	86.4	5,615,447	Supplemental Well
G-170384	228390	155	46,503,125	
G-167954	223105	76	48,974,411	
G-161519	208462	67	13,030,700	
G-071177-R1	225427	133	25,898,670	
G-174251	230397	100	2,627,150	Supplemental Well
G-170400	226797	67	23,274,508	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-041996-R1	228128	32	7,871,402	
G-073798	82134	124	35,883,739	
G-173699	230989	171	37,283,528	
G-008178	12651	130	22,742,832	
G-044680	52031	141	37,023,935	
G-043639	50973	151	68,990,439	
G-041978-R1	222393	240	43,504,781	
G-172798	230409	143.17	26,616,079	Wheat, oats, alfalfa
G-061063	68882	240	59,715,719	
G-034763	41826	142.1	6,598,422	Supplemental Well
G-041057	48311	79	51,045,989	
G-045549-R1	118572	135.9	27,826,400	
G-022950	29350	130	19,840,800	
G-024986	31500	100	1,811,600	Supplemental Well
G-174932	232741	123	9,629,080	Supplemental Well
G-131490	154924	79.8	18,897,011	
G-046380	53760	135	41,352,873	Field inspection showed reading of 71.18 in June
G-032999-R2	189200	65	21,338,156	
G-176126	235952	116		Supplemental Well -Not Used in 2015
G-066404	74421	130	46,894,958	Field Inspection showed the beginning reading as 121.14 in June
G-109999	128947	225	24,695,476	
G-006383	10549	185	27,158,887	
G-023572	30014	240	12,313,524	Supplemental Well
G-175946	231156	113.65	21,329,195	
G-175949	236660	108	23,461,056	Estimate. Did not get meter put on for 2015 season. Will be on for 2016.
G-176401	236745	15	11,981,702	mini pivot
G-174557	230623	80	13,245,721	Producer reported a slightly different reading from staff inspection. Used producer's number because it was slightly higher.
G-097707-R1	236661	143.3	39,243,503	
G-175697	225514	75	45,302,104	
G-130969	161430	145	607	Supplemental well
G-175830	235770	35	8,896,465	
G-049528	57016	133	33,443,200	
G-001169	4563	151	30,541,700	
G-014735-R1	20244	78	3,668,505	New meter in 2015. Report not required but producer is willing to provide data. Assuming multiplier is .01.



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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-039345	NW 1/4	5	16	4	75	No Till
G-024713	NE 1/4	5	16	4	142.2	No Till
G-023406	SW 1/4	5	16	7	126.5	No Till
G-030567	NE 1/4	5	16	7	134.6	No Till
G-025915	SW 1/4	5	16	8	80	No Till
G-069714	NE 1/4	5	16	8	135	No Till
G-016226	NW 1/4	5	16	17	66	No Till
G-073554	NE 1/4	5	16	17	67	No Till
G-130632	SW of NW 1/4	5	16	18	115	No Till
G-115336	SW 1/4	5	16	19	62	No Till
G-086748	NW 1/4	5	16	19	120	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-064303	NW 1/4	5	16	21	144	No Till
G-006759	SE 1/4	5	16	21	144	No Till
G-039492	SW 1/4	5	16	21	151	No Till
G-008191	SE 1/4	5	16	22	65.4	No Till
G-002334	SW 1/4	5	16	22	80	No Till
G-013965	SW 1/4	5	16	23	154	No Till
G-013352	SW 1/4	5	16	24	133	No Till
G-023474	NE 1/4	5	16	26	78.9	No Till
G-011958	NW 1/4	5	16	26	79.5	No Till
G-053935	NE 1/4	5	16	27	65.9	No Till
G-001416	NW 1/4	5	16	27	70	No Till
G-017750	NW 1/4	5	16	28	12	No Till
G-013964	SW 1/4	5	16	28	14	No Till
G-085124	SE 1/4	5	16	28	123	No Till
G-028128	SW 1/4	5	16	28	142	No Till
G-025009	SW 1/4	5	16	29	26	No Till
G-025010	NW 1/4	5	16	29	40	No Till
G-037547	NE 1/4	5	16	29	53	No Till
G-067052	SW 1/4	5	16	29	74	No Till
G-065030	SE 1/4	5	16	29	141	No Till
G-013963	NE 1/4	5	16	29	150	No Till
G-020298	NW 1/4	5	16	30	130	No Till
G-082492	NW 1/4	5	16	33	153	No Till
G-039968	NE 1/4	5	16	34	70	No Till
G-035158	NW 1/4	5	16	34	130	No Till
G-074967	SW 1/4	5	16	34	156	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-073794	SE 1/4	5	16	34	156	No Till
G-034806	SW 1/4	5	16	35	32	No Till
G-050365	SW 1/4	5	16	35	97	No Till
G-023069	NE 1/4	5	16	36	142	Minimum Till
G-074588	SE 1/4	5	16	36	155	No Till
G-027064	SE 1/4	5	17	2	80	No Till
G-030736	SE 1/4	5	17	4	147	Minimum Till
G-047172	SW 1/4	5	17	5	135	Minimum Till
G-044893	lots 3, 4, 9, & 10	5	17	6	130	No Till
G-062245	pts of S2 of NE 1/4 & N2 of SE 1/4	5	17	7	11	No Till
G-063852	NE 1/4	5	17	7	131.9	No Till
G-052284	NW 1/4	5	17	9	67	No Till
G-032082	NE 1/4	5	17	9	73	No Till
A-006726	NW 1/4	5	17	10	13	No Till
G-006844	SE 1/4	5	17	10	132	No Till
G-033160	NW 1/4	5	17	10	132	No Till
A-007010	SE 1/4	5	17	11	56	No Till
G-025032	NE 1/4	5	17	13	65	No Till
G-052826	NW 1/4	5	17	13	130	No Till
G-031733	SW 1/4	5	17	13	131.03	No Till
G-072383	NE 1/4	5	17	14	126.17	No Till
G-087522	NW 1/4	5	17	14	131.9	No Till
G-000125	SE 1/4	5	17	14	132.04	No Till
G-083647	SW 1/4	5	17	14	133.03	No Till
G-035141	SE 1/4	5	17	15	130	No Till
G-035422	SW 1/4	5	17	16	55	No Till
G-055469	SE 1/4	5	17	16	65	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-067725	NE 1/4	5	17	16	130	No Till
G-071535	lots 13 & pt S2 lot 12	5	17	18	60	No Till
G-029189	lots 3, 4, 5, & 6	5	17	18	146	No Till
G-056887	lots 1, 2, 7, & 8	5	17	18	157	No Till
G-041544	lots 3-6	5	17	19	79	No Till
G-061141	NW 1/4	5	17	20	133	No Till
G-074567	NE 1/4	5	17	22	76	No Till
G-056707	NE 1/4	5	17	23	30	No Till
G-091805	NW 1/4	5	17	24	66	No Till
G-020559	NE 1/4	5	17	24	130	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-067974	SW 1/4	5	17	24	130	No Till
G-035026	SE 1/4	5	17	24	130	No Till
G-069535	SE 1/4	5	17	25	24	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-060870	SW 1/4	5	17	26	68.5	No Till
G-056775	NW 1/4	5	17	26	140	No Till
G-128351	SW of SE 1/4	5	17	26	170	No Till
G-063123	SE 1/4	5	17	29	210	No Till
G-074324	lots 11, 12, 13, & 14	5	17	31	70.5	Minimum Till
G-053486	SE 1/4	5	17	33	64	No Till
G-051199	SW 1/4	5	17	33	65	No Till
G-028120	NW 1/4	5	17	34	66	No Till
G-170025	NW 1/4	5	17	35	60	No Till
G-051378	SE 1/4	5	17	35	120	No Till
G-115347	SW 1/4	5	17	35	120	No Till
G-054318	NE 1/4	5	17	36	55	No Till
G-029273	NW 1/4	5	17	36	85	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-015350	NW 1/4	5	18	8	145	No Till
G-057027	SE 1/4	5	18	8	146	No Till
G-074706	NE 1/4	5	18	8	154	No Till
G-074474	NE 1/4	5	18	10	76	No Till
G-024376	SW 1/4	5	18	12	65	No Till
G-126616	NW 1/4	5	18	12	185	No Till
G-048441	NE 1/4	5	18	16	110	No Till
G-028692	SW 1/4	5	18	17	130	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-095680	NE 1/4	5	18	18	130	No Till
G-065869	NW 1/4	5	18	19	138.8	Minimum Till
G-059221	SE 1/4	5	18	19	120	No Till
G-015354	SW 1/4	5	18	19	139	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-047719	NW 1/4	5	18	21	138.8	Minimum Till
G-062981	NE 1/4	5	18	21	147	No Till
G-044991	SE 1/4	5	18	22	148.5	Minimum Till
G-022590	NW 1/4	5	18	22	150.27	Minimum Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-048442	SW 1/4	5	18	22	156	No Till
G-031620	NW 1/4	5	18	23	132	No Till
G-070513	SW 1/4	5	18	23	155.5	No Till
G-030822	NW 1/4	5	18	25	158	Minimum Till
G-129695	NW of SW 1/4	5	18	25	66.6	No Till
G-011811	SW 1/4	5	18	27	61.5	Minimum Till
G-031086	SE 1/4	5	18	27	141	No Till
G-050678	NE 1/4	5	18	27	154	No Till
G-022924	SW 1/4	5	18	28	114	No Till
G-025488	SE 1/4	5	18	28	120	No Till
G-070514	NW 1/4	5	18	28	129	No Till
G-040134	NW 1/4	5	18	31	126	No Till
G-069042	SW 1/4	5	18	31	134	No Till
G-022971	SE 1/4	5	18	32	130	No Till
G-129056	NE of NE 1/4	5	18	32	133	No Till
G-042013	NW 1/4	5	18	32	145	No Till
G-045830	NW 1/4	5	18	33	92	No Till
G-050229	NE 1/4	5	18	35	128	No Till
G-119626	SE of SE 1/4	5	18	36	66	No Till
G-129768	NE of SW 1/4	5	18	36	100	No Till
G-082140	SE 1/4	5	19	1	124	No Till
G-026055	NW 1/4	5	19	1	135	No Till
G-055772	NE 1/4	5	19	2	86	No Till
G-045113	SE 1/4	5	19	5	75	Minimum Till
G-051576	SE 1/4	5	19	5	150	Minimum Till
G-031992	SW 1/4	5	19	5	130	No Till
G-044680	NE 1/4	5	19	5	146	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	65	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	115	No Till
G-005935	NE 1/4	5	19	7	140	No Till
A-007514	SW 1/4	5	19	7	140	No Till
G-039461	NW 1/4	5	19	8	130	Minimum Till
G-025126	SW 1/4	5	19	9	120	No Till
G-041441	NW 1/4	5	19	11	128	Minimum Till
G-000540	SE 1/4	5	19	11	87	No Till
G-024222	SW 1/4	5	19	11	117	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-012366	NE 1/4	5	19	11	142	No Till
G-041783	SE 1/4	5	19	11	148	No Till
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	87	No Till
G-040491	SE 1/4	5	19	13	132	No Till
G-086015	SW 1/4	5	19	13	145	No Till
G-045600	NW 1/4	5	19	14	128	No Till
G-020404	SW 1/4	5	19	14	130	No Till
G-129594	NE of NE 1/4	5	19	16	51	No Till
G-169903	N 1/2 of NW 1/4	5	19	16	77	No Till
G-032103	NW NE 1/4	5	19	18	75	No Till
G-090649	NE 1/4	5	19	19	132	No Till
G-015987	SW 1/4	5	19	19	148	No Till
G-109792	NW 1/4	5	19	19	157	No Till
G-059220	SW 1/4	5	19	20	145	No Till
G-073389	NW 1/4	5	19	20	155.5	No Till
G-003517	SE 1/4	5	19	22	28.5	Minimum Till
G-032374	SW 1/4	5	19	22	150.6	Minimum Till
G-049914	NE 1/4	5	19	22	72	No Till
A-007273	SE 1/4	5	19	23	117	No Till
G-026301	NE 1/4	5	19	23	150	No Till
G-116848	SW 1/4	5	19	23	152	No Till
G-032287	SW 1/4	5	19	24	132	No Till
G-072466	SE 1/4	5	19	25	120	No Till
G-073420	NE 1/4	5	19	25	130	No Till
G-036688	NW 1/4	5	19	27	73	No Till
G-022556	NE 1/4	5	19	27	125	No Till
G-068618	SE 1/4	5	19	28	50.57	No Till
G-037484	NW 1/4	5	19	29	145	No Till
G-094006	SW 1/4	5	19	29	158	No Till
G-094233	NE 1/4	5	19	31	102	No Till
G-096952	NW 1/4	5	19	31	118	No Till
G-053938	NE 1/4	5	19	32	70	No Till
G-025704	SW 1/4	5	19	33	120	Minimum Till
G-042011	NE 1/4	5	19	33	80	No Till
G-072613	SE 1/4	5	19	33	130	No Till
G-044270	SE 1/4	5	19	34	155	No Till
G-025056	NE 1/4	5	19	35	140	No Till
G-030784	SW 1/4	5	19	36	128	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-040116	NE 1/4	5	19	36	145	No Till
G-086432	NW 1/4	6	16	4	143	No Till
G-026631	NW 1/4	6	16	5	80	No Till
G-130190	NW of NE 1/4	6	16	17	103	Minimum Till
G-130189	SE 1/4	6	16	17	144	Minimum Till
G-009596	NE of SE 1/4	6	16	29	71.6	No Till
G-016500	SE 1/4	6	16	30	31	Minimum Till
G-002116	SW 1/4	6	16	30	110	Minimum Till
G-024070	NE 1/4	6	16	30	146	Minimum Till
G-060767	NW 1/4	6	16	30	149	Minimum Till
G-053678	NE 1/4	6	16	31	129	Minimum Till
G-016502	NE 1/4	6	16	31	129	Minimum Till
G-025830	SW 1/4	6	16	31	138	Minimum Till
G-024569	NW 1/4	6	16	31	140	Minimum Till
G-032477	NE 1/4	6	16	32	73	Minimum Till
G-081367	SW 1/4	6	16	32	151.1	No Till
G-005714	SW 1/4	6	16	33	146	Minimum Till
G-013396	NW 1/4	6	16	33	154	Minimum Till
G-130559	SW of SW 1/4	6	17	3	154	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-011361	NE 1/4	6	17	4	141.1	No Till
G-129246	Cent of NE 1/4	6	17	5	130	Minimum Till
G-132996	SW of NW 1/4	6	17	5	66	No Till
G-003937	lots 11, 12, 17, & 18	6	17	6	152	Minimum Till
G-035763	lots 4, 5	6	17	7	37	No Till
G-132544	SE of SE 1/4	6	17	7	129	No Till
G-068245	lots 11 & 14	6	17	7	130	No Till
G-039539	lots 9, 10, 15 & 16	6	17	7	155	No Till
G-053867	lots 1, 2, 7 & 8	6	17	7	155	No Till
G-133416	NW of NW 1/4	6	17	8	67	No Till
G-069166	NE 1/4	6	17	8	78	No Till
G-132585	SE of SE 1/4	6	17	17	135	Minimum Till
G-031717	lots 2 & 7	6	17	19	120	Minimum Till
G-026224	SE 1/4	6	17	20	128	No Till
G-130755	SE of NW 1/4	6	17	21	75	Minimum Till
G-131168	SE 1/4	6	17	21	130	Minimum Till
G-036220	NE 1/4	6	17	23	227	No Till
G-060677	SW 1/4	6	17	25	67	No Till
G-126657	NW of NW 1/4	6	17	25	141.5	No Till

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G-026335	SE 1/4	6	17	28	82	No Till
A-006260	lots 11, 12, N pt of 13 & 14	6	17	30	20	No Till
A-005637	lots 9, 10, 15 & 16	6	17	30	40	No Till
A-006272	lots 1, 2, 7 & 8	6	17	30	57	No Till
G-015980	lots S pt of 13 & 14	6	17	30	80	No Till
G-065571	SW 1/4	6	17	32	140	No Till
G-047646	SW 1/4	6	17	34	65	No Till
G-074644	NE 1/4	6	17	35	78.8	No Till
G-005391	NW 1/4	6	17	35	135	No Till
G-034285	SW 1/4	6	17	36	158.01	Minimum Till
G-029699	SW 1/4 SE 1/4	6	18	1	70	No Till
G-015957	SW 1/4	6	18	1	150	No Till
G-067045	SE 1/4	6	18	2	41	Minimum Till
G-061063	NE 1/4	6	18	2	118	Minimum Till
G-113765	NW 1/4	6	18	3	120	No Till
G-069282	SW 1/4	6	18	3	142	No Till
G-129685	SW of NE 1/4	6	18	6	153	No Till
G-133181	NW of SE 1/4	6	18	7	294	No Till
G-133038	NE 1/4	6	18	9	62	No Till
G-023699	NW 1/4	6	18	9	87	No Till
G-008028	NW 1/4	6	18	10	114.8	No Till
G-015956	NW 1/4	6	18	12	135	No Till
G-063234	SW 1/4	6	18	12	143	No Till
G-015125	NE 1/4	6	18	12	152	No Till
G-039297	SW 1/4	6	18	13	129	No Till
G-007764	NE 1/4	6	18	13	150	No Till
G-013612	NW 1/4	6	18	15	131.5	No Till
G-129356	NE 1/4	6	18	16	78	No Till
G-031315	SE 1/4	6	18	16	131	No Till
G-071933	SW 1/4	6	18	17	131	No Till
G-024607	SE 1/4	6	18	18	125	Minimum Till
G-030693	NW 1/4	6	18	20	137	No Till
G-041561	NE 1/4	6	18	20	152	No Till
G-044283	SE 1/4	6	18	20	158	No Till
G-044258	SW 1/4	6	18	20	159	No Till
G-044968	NE 1/4	6	18	21	130	No Till
G-074759	NW 1/4	6	18	21	150	No Till
G-069776	SE 1/4	6	18	21	162	No Till
G-004679	SW 1/4	6	18	22	32.65	No Till
G-045284	SE 1/4	6	18	22	67.6	No Till

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G-059302	SE of NW	6	18	22	146	No Till
G-048992	NE 1/4	6	18	24	74	Minimum Till
G-071351	SE 1/4	6	18	25	7	No Till
G-028923	SE 1/4	6	18	25	158	No Till
G-008029	SW 1/4	6	18	27	70	No Till
G-026280	NW 1/4	6	18	27	136	No Till
G-003515	SE 1/4	6	18	28	74	No Till
G-044681	NE 1/4	6	18	30	142	No Till
G-016211	SW 1/4	6	18	31	84	No Till
G-056619	SW 1/4	6	18	31	100	No Till
G-041560	NW 1/4	6	18	31	130	No Till
G-035251	NE 1/4	6	18	31	151	No Till
G-028370	SW 1/4	6	18	32	131	No Till
G-030104	SW 1/4	6	18	32	132	No Till
G-026164	NW 1/4	6	18	32	143.5	No Till
G-075211	NE 1/4	6	19	2	50	No Till
G-024506	NW 1/4	6	19	2	57.4	No Till
G-045549	SE 1/4	6	19	2	70	No Till
G-014651	SW 1/4	6	19	2	131	No Till
G-052272	NE 1/4	6	19	4	155.7	No Till
G-088498	SW 1/4	6	19	5	140	No Till
G-001169	NE 1/4	6	19	5	149	No Till
G-036171	SE 1/4	6	19	6	148	No Till
G-033788	SW 1/4	6	19	7	147.18	Minimum Till
G-040343	SW 1/4	6	19	8	140	No Till
G-087523	SE 1/4	6	19	9	72	Minimum Till
G-036476	SW 1/4	6	19	9	145	Minimum Till
G-025733	NE 1/4	6	19	9	100	No Till
G-044779	NW 1/4	6	19	9	120	No Till
A-005633	SE 1/4	6	19	10	156	No Till
G-042443	SW 1/4	6	19	11	137	No Till
G-049381	SE 1/4	6	19	12	63	No Till
G-025757	NW SW 1/4	6	19	13	296	No Till
G-025244	SE 1/4	6	19	14	141	No Till
G-025815	SW 1/4	6	19	14	155	No Till
G-029041	NE 1/4	6	19	15	150	Minimum Till
G-058068	SE 1/4	6	19	15	130	No Till
G-060288	NW 1/4	6	19	15	135	No Till
G-028660	SE 1/4	6	19	16	130	No Till
G-032462	SW 1/4	6	19	17	135	No Till



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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-027416	NE 1/4	6	19	17	152	No Till
G-136259	SW of SW 1/4	6	19	18	73	No Till
G-045710	NE 1/4	6	19	18	146	No Till
G-074330	SW 1/4	6	19	19	67	No Till
G-030668	NW 1/4	6	19	19	126	No Till
G-132339	SW of SW 1/4	6	19	20	130	No Till
G-129257	NW of NW 1/4	6	19	21	137	No Till
G-040622	SW 1/4	6	19	22	70	Minimum Till
G-002588	NW 1/4	6	19	22	135	Minimum Till
G-030892	NE 1/4	6	19	22	158	No Till
G-013985	NE 1/4	6	19	23	110	No Till
G-007211	NW 1/4	6	19	23	156	No Till
A-005462	SE 1/4	6	19	23	236	No Till
G-071119	NE 1/4	6	19	24	134	No Till
G-025168	SW 1/4	6	19	24	135	No Till
G-009669	NE 1/4	6	19	24	137	No Till
G-073050	SE 1/4	6	19	25	70	No Till
G-048259	NE 1/4	6	19	25	290	No Till
G-073120	SW 1/4	6	19	26	91	No Till
G-094725	NW 1/4	6	19	26	218	No Till
G-127368	SE of NW 1/4	6	19	27	135	Minimum Till
G-026085	SE 1/4	6	19	27	132	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	78	No Till
G-005392	NW 1/4	6	19	29	142.5	No Till
G-038040	NE 1/4	6	19	29	144	No Till
G-041182	SW 1/4	6	19	30	133	No Till
G-052273	SE 1/4	6	19	31	25	No 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	140	No Till
G-066511	SW 1/4	6	19	32	153	No Till
G-025703	SE 1/4	6	19	32	155	No Till
G-025069	NW 1/4	6	19	33	150	Minimum Till
G-005987	NE 1/4	6	19	33	135	No Till
G-027136	NE 1/4	6	19	34	78	No Till
G-030448	NW 1/4	6	19	34	130	No Till
G-013618	SW 1/4	6	19	34	160	No Till
G-110137	SE 1/4	6	19	35	131	No Till

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G-062535	NW 1/4	6	19	35	168	No Till
G-051086	SE 1/4	6	19	36	125	No 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	66	No Till
G-041329	NE 1/4	6	20	3	120	No Till
G-172064	SW 1/4	6	20	3	150	No Till
G-038009	NW 1/4	6	20	5	116	Minimum Till
G-074443	NW 1/4	6	20	7	92	Minimum Till
A-005229	NE 1/4	6	20	8	39	No Till
G-003127	NE 1/4	6	20	8	79	No Till
G-028012	SW 1/4	6	20	8	130	No Till
G-074374	NW 1/4	6	20	8	130	No Till
G-007505	SE 1/4	6	20	9	130	No Till
G-042269	NE 1/4	6	20	9	144	No Till
G-043366	NW 1/4	6	20	10	80	No Till
G-089768	NE 1/4	6	20	10	111	No Till
G-041487	SE 1/4	6	20	10	132	No Till
G-122126	SW of SE 1/4	6	20	12	142	No Till
G-002626	NW 1/4	6	20	12	154	No Till
G-132157	NW 1/4 & pt SW	6	20	13	292	No Till
G-073772	SE 1/4	6	20	14	108.8	No Till
G-001680	NW 1/4	6	20	14	110	No Till
G-034091	SW 1/4	6	20	14	150	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-034410	SW 1/4	6	20	19	129	Minimum Till
G-074296	SE 1/4	6	20	19	130	Minimum Till
G-025528	NW 1/4	6	20	19	80	No Till
G-091279	SE 1/4	6	20	22	104	No Till
G-002985	NW 1/4	6	20	22	145	No Till
G-129049	SW 1/4	6	20	23	78	No Till
G-024524	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	62	No Till
G-032795	SE 1/4	6	20	25	112	No Till
G-091179	NW 1/4	6	20	25	135	No Till
G-023483	SW 1/4	6	20	26	94	Minimum Till
G-024994	NE 1/4	6	20	26	145	No Till
G-033793	SW 1/4	6	20	27	30	Minimum Till

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G-074785	NW 1/4	6	20	27	147	No Till
G-001239	SW 1/4	6	20	27	178	No Till
G-055771	NW 1/4	6	20	35	158	No Till
G-022942	SE 1/4	6	20	36	100	No Till
G-061360	NE 1/4	6	20	36	120	No Till
G-070946	NE 1/4	6	21	1	36	Minimum Till
G-065103	SE 1/4	6	21	2	156	Minimum Till
G-049326	NW 1/4	6	21	2	80	No Till
G-027616	SW 1/4	6	21	3	155.8	Minimum Till
G-029313	NE 1/4	6	21	10	123	No Till
G-002253	SW 1/4	6	21	11	142	No Till
G-034034	NW 1/4	7	17	17	40	Minimum Till
G-119196	NE 1/4	7	17	18	145	Minimum Till
G-074630	lots 3, 4, 5 & 6	7	17	18	145	Minimum Till
G-071299	lots 1, 2, 7 & 8	7	17	18	156	No Till
G-024040	lots 1 & 2	7	17	19	12	Minimum Till
G-147456	NW 1/4 Lots 1 & 2	7	17	19	77	Minimum Till
G-072456	NE 1/4	7	17	20	136	No Till
G-028884	SW 1/4	7	17	29	70	No Till
G-039976	SE 1/4	7	17	30	20	No Till
G-021595	NE 1/4	7	17	31	65	No Till
G-030174	SE 1/4	7	17	32	65	No Till
G-077708	NW 1/4	7	18	13	123	Minimum Till
G-071289	NE 1/4	7	18	13	151	No Till
G-057112	SE 1/4	7	18	15	121	No Till
G-137702	NE1/4	7	18	16	33.7	No Till
G-129872	NW of NE 1/4	7	18	17	30	No Till
G-129448	NE of NW 1/4	7	18	17	55	No Till
G-149618	SW 1/4	7	18	19	126	No Till
G-041826	SE 1/4	7	18	19	161	No Till
G-130665	SW of SW 1/4	7	18	20	115	No Till
G-022438	NE 1/4	7	18	22	9	No Till
G-056497	NW 1/4	7	18	22	125	No Till
G-021229	SW 1/4	7	18	22	147.83	No Till
G-076064	NE 1/4	7	18	24	143.2	No Till
G-037114	SE 1/4	7	18	24	161	No Till
G-022950	SW 1/4	7	18	26	67	No Till
G-028701	SE 1/4	7	18	26	68	No Till
G-040650	SE 1/4	7	18	27	128	No Till
G-132841	SE of SE 1/4	7	18	29	112	No Till

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G-075182	NE 1/4	7	18	31	74.2	Minimum Till
G-039497	NE 1/4	7	18	34	64	No Till
G-093751	SE 1/4	7	18	34	138	No Till
G-134880	NE of SW 1/4	7	18	34	150.2	No Till
G-139527	NW1/4	7	18	35	80	No Till
G-018622	NE 1/4	7	18	35	150	No Till
G-061275	SW 1/4	7	18	36	152	Minimum Till
G-028077	NW 1/4	7	18	36	70	No Till
G-138416	NW 1/4	7	19	13	120	Minimum Till
G-129696	NW 1/4	7	19	14	128	No Till
G-002482	SW 1/4	7	19	16	134	No Till
G-007043	NW 1/4	7	19	16	143	No Till
G-034763	SE 1/4	7	19	16	143.2	No Till
G-014735	NW 1/4	7	19	17	68	No Till
G-132341	NE of SE 1/4	7	19	17	131	No Till
G-133385	SW of SW 1/4	7	19	18	144.02	Minimum Till
G-126121	SE1/4	7	19	18	135	No Till
G-133633	NW of NE 1/4	7	19	19	148.84	Minimum Till
G-074549	NE 1/4	7	19	20	132	No Till
G-032611	SE 1/4	7	19	20	152	No Till
G-038793	NW 1/4	7	19	21	46	No Till
G-121515	NW of SE 1/4	7	19	21	70	No Till
G-013807	NE 1/4	7	19	21	96	No Till
G-020681	SW 1/4	7	19	21	155	No Till
G-061996	SE 1/4	7	19	22	114	No Till
G-045570	NE NE 1/4	7	19	22	135	No Till
G-171471	NW 1/4	7	19	23	65	No Till
G-130799	NE of SE 1/4	7	19	23	146	No Till
G-071266	NW 1/4	7	19	24	70	No Till
G-132613	SE 1/4	7	19	24	118	No Till
G-019600	NE 1/4	7	19	26	78	Minimum Till
G-074228	NW 1/4	7	19	26	110	Minimum Till
G-038816	SE 1/4	7	19	26	138	No Till
G-000317	NE 1/4	7	19	27	67	No Till
G-074261	NW 1/4	7	19	27	139	No Till
A-007095	SE 1/4	7	19	28	77	Minimum Till
G-135944	NE of SW 1/4	7	19	29	76	No Till
G-000746	NE 1/4	7	19	29	154	No Till
G-172337	NE 1/4	7	19	30	130.5	Minimum Till
G-034601	SE 1/4	7	19	30	70	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-168005	NE 1/4	7	19	31	57	Minimum Till
G-014117	NE 1/4	7	19	31	80	Minimum Till
G-012652	SE 1/4	7	19	31	75	No Till
A-007012	SW 1/4	7	19	31	152	No Till
G-023124	SW 1/4	7	19	32	130	No Till
G-001460	SE 1/4	7	19	33	120	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	120	No Till
G-065049	NW 1/4	7	19	36	135	No Till
G-015524	SE 1/4	7	20	13	62	Minimum Till
G-023093	SW 1/4	7	20	13	140.91	Minimum Till
G-133634	NW of SE 1/4	7	20	14	139.45	Minimum Till
G-006383	NW 1/4	7	20	14	217	No Till
G-119178	NW 1/4	7	20	16	77	Minimum Till
G-037931	NE 1/4	7	20	18	141	Minimum Till
G-000947	SW 1/4	7	20	20	130	Minimum Till
G-135943	NW of NE 1/4	7	20	23	89	Minimum Till
G-071957	NW 1/4	7	20	23	121.3	Minimum Till
G-175946	SW 1/4	7	20	23	113.65	No Till
G-028913	NW 1/4	7	20	24	98.65	Minimum Till
G-027010	SW 1/4	7	20	24	126.42	Minimum Till
G-130108	SE of SW 1/4	7	20	25	128	No Till
G-027543	NE 1/4	7	20	25	130	No Till
G-033288	NE 1/4	7	20	26	75	No Till
G-042184	NW SE 1/4	7	20	26	150	No Till
G-035840	NE 1/4	7	20	30	140	Minimum Till
G-067820	SW 1/4	7	20	30	145	Minimum Till
G-069253	SE 1/4	7	20	31	116	Minimum Till
A-005573	SW 1/4	7	20	31	195	Minimum Till
G-027484	NW 1/4	7	20	32	138	No Till
G-087415	NE 1/4	7	20	33	135	Minimum Till
G-069613	NW 1/4	7	20	33	123	No Till
G-131271	SW of NW 1/4	7	20	34	66	No Till
G-054523	NE 1/4	7	20	35	150	No Till
G-129992	NE of NE 1/4	7	20	36	127	No Till
G-167700	SE	7	21	15	130	No Till
G-021461	SE 1/4	7	21	23	149	No Till
G-070535	NE 1/4	7	21	24	116	Minimum Till
G-072797	SE 1/4	7	21	25	104	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-016205	NE 1/4	7	21	26	140	Minimum Till
G-039594	SE 1/4	7	21	27	117	No Till
G-068252	SW 1/4	7	21	27	149	No Till
G-027227	NW 1/4	7	21	34	61.5	No Till
G-045821	NE 1/4	7	21	34	62.35	No Till
G-021159	SE 1/4	7	21	34	66	No Till
G-009227	SW 1/4	7	21	34	75	No Till
G-013356	SE 1/4	7	21	35	67	Minimum Till
G-043947	NE 1/4	7	21	35	129	Minimum Till
G-014933	SE 1/4	7	21	36	12	Minimum Till
G-029565	SW 1/4	7	21	36	70	Minimum Till
G-064932	SW 1/4	7	21	36	70	Minimum Till
G-061501	SE 1/4	7	21	36	164	Minimum Till
G-010594	SE 1/4	8	13	7	112.8	Minimum Till
G-071028	SW 1/4	8	13	8	115	Minimum Till
G-015972	SE 1/4	8	13	13	33	No Till
G-017198	SW 1/4	8	13	13	64.73	No Till
A-005964B	NE 1/4	8	13	16	116	No Till
G-052873	SE 1/4	8	13	16	134	No Till
G-060270	SE 1/4	8	13	17	71	No Till
G-010285	NW 1/4	8	13	17	132	No Till
G-044419	SE 1/4	8	13	20	132	No Till
G-034215	NE 1/4	8	13	20	134	No Till
G-040084	SE 1/4	8	13	21	132	No Till
G-000642	NW 1/4	8	13	21	134	No Till
G-070660	NE SW 1/4	8	13	21	134	No Till
G-042426	NE 1/4	8	13	21	149.37	No Till
G-053462	SW 1/4	8	13	22	132	No Till
G-033694	NE 1/4	8	13	22	135	No Till
G-043853	NE 1/4	8	13	24	128	No Till
G-043133	SW 1/4	8	14	25	130	No Till
G-038170	NW 1/4	8	14	25	130	No Till
G-067830	SW 1/4	8	14	27	131	Minimum Till
G-072089	SW 1/4	8	15	19	4	Minimum Till
G-007281	SW 1/4	8	15	19	7	Minimum Till
G-053359	SW 1/4	8	15	19	80	Minimum Till
G-086638	NW 1/4	8	15	19	165	Minimum Till
G-098444	NE 1/4	8	15	21	30	No Till
G-021299	SE 1/4	8	15	27	28	No Till
G-070012	SE of SW 1/4	8	15	31	132	No Till

**Tri-Basin NRD Platte Basin No Till Acres - 2015 Platte Basin Annual Report  
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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-060113	NW 1/4	8	15	32	134	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-037028	SW 1/4	8	16	18	65	Minimum Till
G-018311	NE 1/4	8	16	19	54	Minimum Till
G-125420	SE 1/4	8	16	19	74	Minimum Till
G-035306	NE 1/4	8	16	19	136	Minimum Till
G-013149	SE 1/4	8	16	23	135	No Till
G-010007	SW 1/4	8	16	24	15	No Till
G-022940	SE 1/4	8	16	24	75	No Till
G-034320	SE 1/4	8	16	30	132	No Till
G-034321	SW 1/4	8	16	30	135	No Till
G-067832	SW 1/4	8	16	35	132	No Till
G-067833	SE 1/4	8	16	35	132	No Till
G-065342	lot 10	8	17	18	53	No Till
G-104055	lot pts2, 7 & all 8	8	17	18	70	No Till
G-027841	lot 9	8	17	18	101	No Till
G-090860	S2 of SE 1/4	8	17	19	58	No Till
G-027593	N2 SE 1/4	8	17	19	74	No Till
G-090861	lots 11, 12, 13 & 14	8	17	19	133	No Till
G-048556	SW 1/4	8	17	20	132	Minimum Till
G-049240	SW 1/4	8	17	25	133	No Till
G-049239	NW 1/4	8	17	25	153	No Till
G-088500	SE 1/4	8	17	33	130	Minimum Till
G-088499	NE 1/4	8	17	33	130	No Till
G-047120	SW 1/4	8	17	34	130	No Till
G-055521	NW 1/4	8	17	34	136.9	No 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-048991	NW 1/4	8	17	36	65	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-010205	SW 1/4	8	18	14	6	Minimum Till
G-049315	SW 1/4	8	18	14	46	Minimum Till
G-010206	SE 1/4	8	18	14	86	Minimum Till
G-015772	SW 1/4	8	18	16	100	No Till
G-070077	NE 1/4	8	18	23	65	No Till
G-052500	NW 1/4	8	18	23	130	No Till
G-058321	SW 1/4	8	18	26	144	No Till

**CNPPID Groundwater Recharge Diversions Summary  
2015 Platte Basin Annual Report  
Appendix D**

Dates of Recharge diversions	Elwood Reservoir			E65 Canal			Phelps Canal			Funds				
	AF, in	\$/af	\$/other	AF, in	\$/af	\$/other	AF, in	\$/af	\$/other	Total \$	PRRIP	NDNR	TBNRD	NGPC
1/24/2006 to 2/13/2006	6131									NA				
8/8/2006 to 2/13/2006	627									NA				
12/22/2006 to 12/31/2006	2793									\$ 16,752.44				\$ 16,752.44
5/30/2007 to 6/25/2007	7261									\$ 57,819.51				\$ 57,819.51
7/9/2007 to 7/11/2007	419									NA				
7/31/2007 to 8/8/2007	2277									\$ 17,686.39				\$ 17,686.39
5/23/2008 to 6/11/2008	6963									\$ 66,568.32			\$ 33,284.16	\$ 33,284.16
7/18/2008 to 7/21/2008	1168									\$ 12,878.02			\$ 6,439.01	\$ 6,439.01
8/10/2008 to 8/19/2008	1193									\$ 10,498.40			\$ 5,249.20	\$ 5,249.20
6/21/2009 to 8/21/2009	2906									\$ 25,572.80			\$ 12,786.40	\$ 12,786.40
1/1/2010														
9/28/2011 to 1/5/2012							5558.16	25		\$ 138,954.00	\$ 69,477.00	\$ 41,686.20	\$ 27,790.80	
2012														
12/4/2012 to 3/11/2013							4088	25		\$ 102,200.00	\$ 102,200.00			
9/19/2013 to 10/31/2013	12385	35								\$ 433,475.00		\$ 260,085.00	\$ 173,390.00	
				2615	35					\$ 91,525.00		\$ 54,915.00	\$ 36,610.00	
							3890	25		\$ 97,250.00	\$ 48,625.00	\$ 29,175.00	\$ 19,450.00	
							2000	25		\$ 50,000.00	\$ 50,000.00			
							3897	NA		NA				
6/10/2014 to 7/7/2014	13237	39								\$ 516,243.00		\$ 258,121.50	\$ 258,121.50	
11/26/2014 to 11/30/2014	1763	39								\$ 68,757.00		\$ 34,378.50	\$ 34,378.50	
	37	NA								NA				
				70	NA					NA				
12/9/2014 to 12/27/2014	8309.2	41								\$ 340,677.20		\$ 170,338.60	\$ 170,338.60	
				567.1	38					\$ 21,549.80		\$ 10,774.90	\$ 10,774.90	
11/26/2014 to 12/31/2014							2345.9	27		\$ 63,339.30	\$ 31,669.65	\$ 31,669.65		
1/1/2015 to 2/14/2015							1654.1	28.08		\$ 46,447.13	\$ 23,223.56	\$ 23,223.56		
							543.7	28.08		\$ 15,267.10	\$ 15,267.10			
1/14/2015 to 1/21/2015	1028.8	42.64								\$ 43,868.03		\$ 21,934.02	\$ 21,934.02	
				94.9	39.52					\$ 3,750.45		\$ 1,875.22	\$ 1,875.22	
5/11/2015 to 8/24/2015	6800	42.64								\$ 289,952.00		\$ 144,976.00	\$ 144,976.00	
				200	39.52					\$ 7,904.00		\$ 3,952.00	\$ 3,952.00	
	9007	42.64								\$ 384,058.48	\$ 384,058.48			
11/23/2015 to 12/18/2015	3227	42.64								\$ 137,599.28		\$ 68,799.64	\$ 68,799.64	
				1273	39.52					\$ 50,308.96		\$ 25,154.48	\$ 25,154.48	
	5776	42.64								\$ 246,288.64	\$ 246,288.64			
11/16/2015 to 12/31/2015							747.5	28.08		\$ 20,989.80		\$ 20,989.80		
11/16/2015 to 12/31/2015							2242.5	28.08		\$ 62,969.40	\$ 62,969.40			



**North Dry Creek Augmentation Pumping - 2015 Platte Basin Annual Report**  
**Appendix E**

<b>Augmentation Production Well</b>												
NWNE 27-8N-16W G-159762												
MAD 83	Lat: N40 38' 25.91700"	Surface Elev: 2156.92'	Well Depth=53'	Bore Hole: 30'	8" Column Pipe: 0'-40'							
	Long: W99 06' 59.91771"		16" Screen: 53'-23' / 0.085 Slot	River Gravel Pack: 53'-16'	8" Submersible 20 HP Pump: 40'-50'							
	Stickup: 2.25'		16" Plain: 23'-0'	Bentonite Chunks: 16'-0'	8" McCrometer Meter: Totalizer Acre/Inches							
Year	MP Depth	Stickup	Depth	Elevation	Begin Meter	End Meter	Ac/In Pumped Interval	Ac/In Annual Total	Pumping Rate GPM	Gallons Pumped Interval	Annual Total Gallons	Comments
2011	7.61	2.25	5.36	2151.56	9.32	18.39	9.07	18.39	1200		499362	Well Ran During The Month Of October--JT
2012	10.61	2.25	8.36	2148.56	4511.65	4511.65	0.00	4493.26	0	0	122009982	Augmentation Well OFF, Creek Dry, Pivot off, Gravity on livestock, Well in SW1/4 Sec 26 Run-ning
2013	9.53	2.25	7.28	2149.64	7762.48	7762.48	0.00	3250.86	0	0	88273852	Augmentation Well Off, No Flow in Creek
2014	10.06	2.25	7.81	2149.11	8206.91	8206.91	0.00	444.43	0	0	12068052	Augmentation Well Off, No Flow in Creek
2015	9.95	2.25	7.70	2149.22	8630.08	8631.71	1.63	424.80	1200	44261	11535019	Augmentation Well Started - Maintenance

**North Dry Creek Augmentation Pumping - 2015 Platte Basin Annual Report**  
**Appendix E**

<b>Augmentation Production Well #2</b>													
SESE 5-7N-16W G-173880													
NAD 83		Surface Elev: 2182.95		Well Depth=103'		Bore Hole: '		8" Column Pipe: 0'-60'					
Lat: N40 35' 52.60"				16" Screen: 103'-63' / 0.085 Slot		River Gravel Pack: 103'-15'		8" Submersible 25.63 HP Pump: 40'-50'					
Stickup: 0.88				16" Plain: 63'-0'		Bentonite Chunks: 15'-0'		8" McCrometer Meter: Totalizer Acre/Inches					
Start Date / Time	End Date Time	MP Depth	Stickup	Depth	Elevation	Begin Meter	End Meter	Ac/In Pumped Interval	Ac/In Annual Total	Pumping Rate GPM	Gallons Pumped Interval	Annual Total Gallons	Comments
11/3/14 0:00		17.07	0.88	16.19	2166.76	0.00	0.00	0.00	0	0	0	0	Creek Dry, Poured Concrete Pad
11/13/15 15:30			0.88			51.34	54.84	3.50	54.84	880	95039	1489125.36	Stopped Well - Ran 90 Minutes