



# 2016 Annual Report of Integrated Water Management Activities in the Platte Basin Within Tri-Basin NRD



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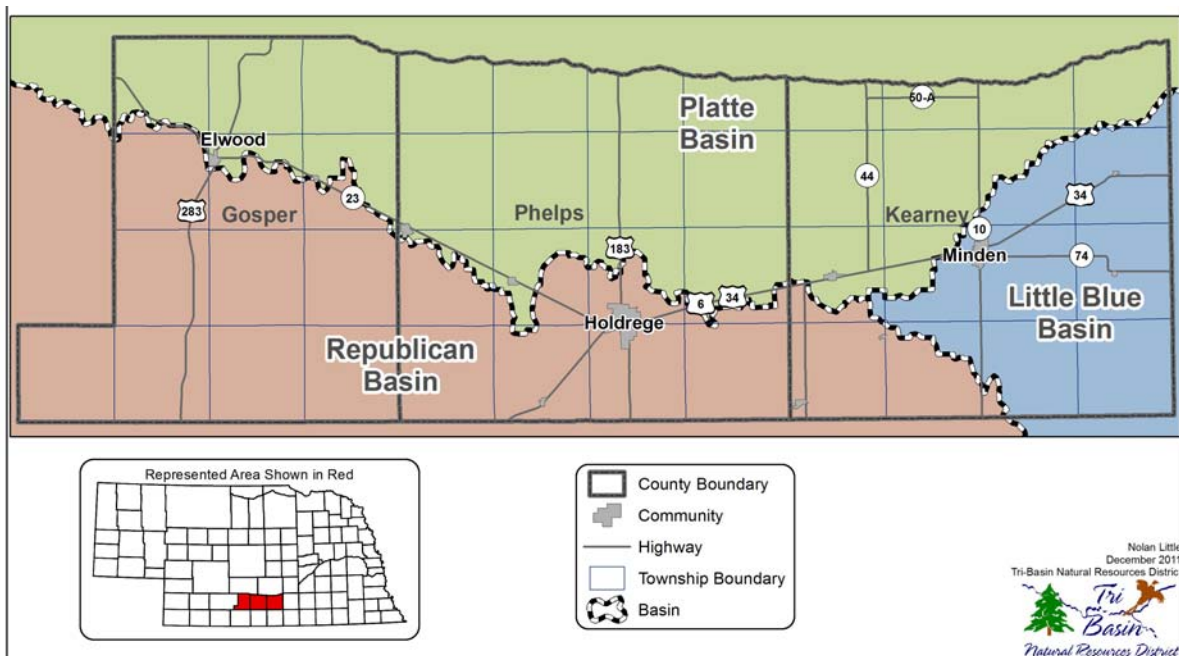


**ANNUAL REPORT OF WATER USE ACTIVITIES  
IN THE PLATTE BASIN WITHIN TRI-BASIN NRD  
TO MEET THE REQUIREMENTS OF THE JOINT INTEGRATED MANAGEMENT PLAN  
FOR THE 2017 BASIN-WIDE MEETING**

**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, 2016, of 298,714.23 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
	2016	35,658.57	10,469.07
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
	2016	167,381.05	78,277.00
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
	2016	95,674.61	23,455.16
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
	2016	298,714.23	112,201.23

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-0286	Pt NE 1/4 Section 11-7-16	14.00
TBAT-0287	Pt S 1/2 Section 2-7-16	10.50
TBAT-0289	N 1/2 NW 1/4 Section 13-7-15	16.60
TBAT-0290	E 1/2 SW 1/4 Section 14-8- 19	7.00
TBAT-0291	E 1/2 SW 1/4 Section 14-8- 19	7.00
TBAT-0292	E 1/2 SW 1/4 Section 14-8- 19	3.00
TBAT-0293	NE 1/4 Section 28-7- 17	29.64
TBAT-0294	N 1/2 NW 1/4 Section 4-6-17	10.00
TBAT-0295	pt S 1/2 of S 1/2 Section 23-8- 14	15.00
TBAT-0296	pt S 1/2 of S 1/2 Section 23-8- 14	15.00
TBAT-0297	pt SE 1/4 Section 24-8- 19	6.28
TBAT-0298	pt S 1/2 of S 1/2 Section 23-8- 14	14.00
TBAT-0299	pt S 1/2 of S 1/2 Section 23-8- 14	4.00
TBAT-0300	NE 1/4 Section 22-7-15	9.82
TBAT-0304	Pt N 1/2 of Section 22-8- 20	5.00
TBAT-0306	N 1/2 NE 1/4 Section 8-7- 17	9.00
TBAT-0307	N 1/2 NW 1/4 Section 17-7-17	12.00

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, 2016 and December 31, 2016 the district approved 17 certified irrigated acre transfers in the Platte Basin. A total of 187.84 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** (above) and **TABLE 2B: Platte Basin Transfers-Acres at New Locations** (below).

<b>TABLE 2B: Platte Basin Transfers- Acres at New Locations</b>		
<b>NRD Permit Number</b>	<b>Legal Description</b>	<b>New Irrigated</b>
TBAT-0286	Pt West 1/2 Section 16-7-15	14.00
TBAT-0287	Pt West 1/2 Section 16-7-15	10.50
TBAT-0289	Pt SE 1/4 Section 12-7- 15	16.60
TBAT-0290	SE 1/4 Section 21-6- 19	7.00
TBAT-0291	NE 1/4 Section 27-7- 20	7.00
TBAT-0292	NW 1/4 Section 13-7- 20	3.00
TBAT-0293	Pt NW 1/4 Section 20-7- 17	29.64
TBAT-0294	Pt NW 1/4 Section 20-7- 17	7.41
TBAT-0295	pt SE 1/4 Section 26-7- 17	15.00
TBAT-0296	NE 1/4 Section 27-7- 15	15.00
TBAT-0297	N 1/2 NE 1/4; NW 1/4 Section 27-7- 19	6.28
TBAT-0298	NE 1/4 Section 13-7- 15	14.00
TBAT-0299	SE 1/4 Section 25-7- 16	4.00
TBAT-0300	NW 40 of SW 1/4 Section 15-7- 15	9.82
TBAT-0304	SE 1/4 Section 21-8- 20	5.00
TBAT-0306	SW 1/4 Section 20- 8- 17	9.00
TBAT-0307	SW 1/4 Section 20- 8- 17	12.00

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 one permanent groundwater transfer permit in the Platte Basin between January 1, 2016 and December 31, 2016. 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 2016. 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-0333	SW 1/4 Section 15-7- 15	G-060797	212228	33	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.

Well Permit Type	Permits
New (variance) irrigation	0
Replacement irrigation	16
Conditional replacement irrigation - supplemental to groundwater	0
Conditional replacement irrigation - supplemental to surface water	1
Dewatering (streamflow augmentation)	0
New commercial/industrial	1
Domestic (over 50 gpm)	0

B. **TABLE 4: TBNRD Well Permits** (above) is a breakdown of well permits that TBNRD issued in the Platte Basin between January 1, 2016 and December 31, 2016. The new commercial/industrial well listed in this table is used as a back up process water well, so there is no new water use and no offset was required. A detailed listing of well permits issued by TBNRD in 2016 is found in **TABLE 5: Well Permit Summary** (page 6).

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, 2016 and December 31, 2016.

Permit Number	Well Permit Type	Legal Description	NDNR Reg. Number	Well ID Number
TBRP-G020686-R1	Replacement	Section 20-6- 17	G-020686-R1	241322
TBRP-G035025-R1	Replacement	Section 10-6- 17	G-035025-R1	241335
TBRP-G074261-R1	Replacement	Section 27-7- 19	G-074261-R1	241541
TBRP-G023268-R1	Replacement	Section 26-7- 16	G-023268-R1	241542
TBRP-G016296-R2	Replacement	Section 21-6- 16	G-016296-R2	241576
TBRP-G044798-R1	Replacement	Section 27-8- 16	G-044798-R1	241959
TBRP-G045710-R1	Replacement	Section 18-6- 19	G-045710-R1	242517
TBRP-G025703-R1	Replacement	Section 32-6- 19	G-025703	242435
TBRP-G008919-R1	Replacement	Section 12-8- 13	G-008919	242826
TBRP-G014042-R2	Replacement	Section 21-8- 16	G-014042	242852
TBRP-G009838-R1	Replacement	Section 29-8- 15	G-009838	243739
TBIN-1513	Industrial	Section 13-6- 16	G-181488	243777
TBRP-G131761-R1	Replacement	Section 3-6- 15	G-131761	243911
TBRP-G059825-R1	Replacement	Section 5-7- 17	G-059825	245066
TBSS-1515	Supplemental to Surface	Section 15-6- 18	NDY	
TBRP-G037321-R1	Replacement	Section 25-6- 18	G-037321-R1	245523
TBRP-G019600-R2	Replacement	Section 26-7- 19	G-019600-R2	246011
TBRP-G041970-R1	Replacement	Section 24-6- 18	G-041970-R1	246112
*NDY - Not drilled yet				

Tri-Basin NRD corrected the district’s certified acre database by certifying 42.55 acres in two 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). One approved well variance allowed an irrigation well to be modified to a domestic well. The well has since been capped and the pump removed.

Date Approved	Type of Variance	Legal Description	Affected Acres
1/12/2016	Certified Acre Correction Request	East 1/2 Section 27-8- 21	36.88
5/17/2016	Well Abandonment Variance	Pt SE 1/4 Section 24-8- 19	
12/13/2016	Certified Acre Correction Request	Pt NW 1/4 Section 2-7- 20	5.67

**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 2016 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 8 and 9). **TABLE 8** (page 7) shows Industrial and Commercial Water Use Data.

**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 2016 landowners reported data from 455 flowmeters in the Platte Basin. The metered wells reported irrigating 53,681.52 certified irrigated acres. Due to the installation of additional reporting flowmeters and depending on use of supplemental irrigation wells by CNPPID customers, flowmeter data and reported irrigated acres change from year to

year. 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.

<b>TABLE 8: Platte Basin Industrial and Commercial Water Use Data</b>				
<b>NDNR Reg. Number</b>	<b>Well ID Number</b>	<b>Owner</b>	<b>Legal Description</b>	<b>Gallons Pumped</b>
G-177982	239716	Olsen Cattle Co LLC	Section 5-6- 15	439,900
G-123753-R1	194279	KAAPA Ethanol, LLC	Section 13-6-16	217,201,100
G-123754-R2	210900	KAPPA Ethonal, LLC	Section 13-6-16	616,300
G-124061	152898	KAAPA Ethanol, LLC	Section 13-6-16	6,083,000
G-134413-R1	194280	KAAPA Ethanol, LLC	Section 13-6-16	55,013,800
G-181488	243777	KAAPA Ethanol LLC	Section 13-6-16	13,150,000
G-071961	80123	Mosaic	Section 15-6-16	17,500
G-071962	80124	Mosaic	Section 15-6-16	17,500
G-073875	82215	Village of Bertrand	Section 6-6-20	24,772,000
G-165728	219082	Fort Kearny Consolidated	Section 5-7- 14	25,489,400
G-165729	219083	Fort Kearny Consolidated	Section 5-7- 14	27,200,200
G-139944	171644	Fort Kearny Consolidated	Section 6-7-14	0
G-116982	141058	KGLD, LLC	Section 11-7-16	43,200,000
G-177447	238330	Loomis Pork LLC	Section 19-7-19	3,660,500
G-147025	188561	Paul Johnson & Sons	Section 10-7-20	3,501,760
G-095842	112013	Aurora Co-Op	Section 19-7-20	927,000
G-093253	106683	Dan & Steve Wolfe	Section 28-8-16	5,000,000
G-093254	106684	Dan & Steve Wolfe	Section 28-8-16	5,000,000
G-087812	99723	Rusty's Fertilizer Inc	Section 21-8-18	1,011,600
G-073205	81395	Rockford G Plettner	Section 4-8-21	131,400,000
G-080853	89509	Nebraska Public Power District	Section 4-8-21	108,000
G-156977	199850	Central Nebraska Public Power and Irrigation District	Section 7-8-21	373,295,813
G-092923	102854	Central Nebraska Public Power and Irrigation District	Section 4-8-22	96,017,630
G-122576	151178	Bullhead Point Association	Section 5-8-22	4,875,900
G-076515	85080	Lakeside Country Club	Section 8-8-22	26,640,000
G-076780-R1	124121	Lakeside Country Club	Section 8-8-22	31,080,000



**TABLE 7: Platte Basin Municipal Water Use Data**

		2010	2011	2012	2013	2014	2015	2016
<b>Axtell</b>	Jan.	2,261,300	3,708,500	3,124,800	2,923,900	2,653,500	2,282,900	2,379,000
Pop. 726	Feb.	2,690,700	3,301,900	3,104,600	2,395,100	2,359,000	2,027,700	2,755,600
(2010 census)	Mar.	3,757,400	3,649,000	4,241,500	2,530,000	2,740,400	4,393,300	3,040,700
	Apr.	3,336,000	3,742,000	5,751,800	3,195,600	3,836,900	4,318,200	4,168,700
	May	3,351,500	5,305,600	11,685,400	8,260,800	7,461,100	4,664,300	3,985,900
	June	3,895,700	7,600,700	14,211,000	11,960,000	7,534,900	5,876,500	13,891,900
	July	10,452,300	11,452,600	22,110,800	19,418,700	12,794,400	12,441,200	14,882,100
	Aug.	9,737,500	8,907,600	12,040,400	11,170,400	8,925,000	10,301,700	11,692,100
	Sept.	8,899,200	7,459,200	12,675,900	9,955,100	5,467,700	10,976,400	9,021,300
	Oct.	7,871,700	5,677,900	5,713,700	5,558,900	5,640,300	7,525,000	7,816,500
	Nov.	3,800,700	3,018,200	3,274,500	2,753,300	2,475,500	4,008,900	3,537,100
	Dec.	4,441,500	3,111,100	2,878,000	2,495,500	2,180,300	2,699,700	2,310,600
<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>	<b>79,481,500</b>
<b>Bertrand</b>	Jan.	4,380,000	4,234,000	3,575,000	4,002,000	4,422,000	4,294,000	4,467,000
Pop. 750	Feb.	3,998,000	3,655,000	3,348,000	3,571,000	3,817,000	3,807,000	4,003,000
(2010 census)	Mar.	3,383,000	3,876,000	3,846,000	3,533,000	4,069,000	6,038,000	4,548,000
	Apr.	3,837,000	4,307,000	6,122,000	3,858,000	4,949,000	8,605,000	8,925,400
	May	5,147,000	7,316,900	13,410,700	10,671,200	11,419,500	8,294,500	6,381,000
	June	6,153,000	9,301,200	17,711,000	15,688,200	8,539,000	9,873,100	14,827,300
	July	11,853,000	15,651,200	27,282,900	23,473,500	16,089,200	21,287,600	14,993,000
	Aug.	12,170,000	12,540,800	14,707,500	17,540,600	11,456,000	15,234,800	15,371,700
	Sept.	11,097,000	9,397,600	15,511,100	14,850,200	7,427,000	15,246,600	11,076,700
	Oct.	9,986,000	7,050,000	8,976,000	6,406,000	8,972,000	9,881,500	11,481,000
	Nov.	4,532,000	3,945,000	5,261,000	3,852,000	4,710,000	4,519,000	7,061,000
	Dec.	3,748,000	4,152,000	3,970,000	4,288,000	4,114,000	3,981,000	5,398,000
<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>111,062,100</b>	<b>108,533,100</b>
<b>Elwood</b>	Jan.	2,654,000	4,490,000	4,278,000	5,223,600	3,729,600	3,067,700	3,467,900
Pop. 707	Feb.	4,454,000	3,277,000	3,324,500	4,535,500	4,188,000	3,531,000	3,235,000
(2010 census)	Mar.	4,132,000	4,745,000	5,774,700	5,299,500	4,915,000	6,951,100	3,817,300
	Apr.	5,162,000	4,930,200	4,184,000	6,824,000	4,968,000	5,160,200	5,768,000
	May	6,407,000	7,990,000	16,881,600	4,795,500	12,601,700	6,668,600	5,770,000
	June	7,509,000	10,787,000	22,944,600	14,776,000	10,104,800	10,586,900	14,979,700
	July	12,253,300	9,682,800	30,825,300	28,116,000	20,316,600	19,270,800	13,372,200
	Aug.	12,469,000	17,946,300	20,347,800	17,587,000	15,146,100	11,772,800	15,078,400
	Sept.	12,818,000	7,851,600	15,277,100	13,151,900	9,033,400	10,001,500	9,390,000
	Oct.	10,493,000	8,301,000	9,352,300	5,936,800	6,043,600	6,784,900	11,215,400
	Nov.	5,631,000	5,195,900	4,511,400	4,311,200	3,827,000	3,373,000	3,825,000
	Dec.	4,269,600	3,483,000	4,061,900	3,800,900	4,682,500	3,468,000	4,302,000
<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>	<b>94,220,900</b>

(Continued on next page)

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

		2010	2011	2012	2013	2014	2015	2016
<b>Funk</b>	Jan.	1,707,668	1,530,000	1,889,000	1,163,000	758,000	737,000	1,239,000
Pop. 194	Feb.	1,707,667	1,241,000	1,549,000	1,029,000	694,000	726,000	1,121,000
(2010 census)	Mar.	1,707,667	1,410,000	1,106,000	1,119,000	725,000	1,004,000	1,368,000
	Apr.	1,707,667	1,510,000	1,053,000	1,215,000	796,000	1,279,000	1,195,000
	May	1,707,667	2,081,000	2,432,000	1,830,000	2,346,000	1,347,000	908,000
	June	1,707,667	2,666,000	4,285,000	2,727,000	1,669,000	1,580,000	3,739,000
	July	2,482,000	2,833,000	3,508,000	4,608,000	3,132,000	3,150,000	3,584,000
	Aug.	2,455,000	2,656,000	2,773,000	3,154,000	2,394,000	1,443,000	3,240,000
	Sept.	2,035,000	2,614,000	3,043,000	2,247,000	1,443,000	3,291,000	1,375,000
	Oct.	2,061,000	1,732,000	1,990,000	1,123,000	1,045,000	1,535,000	1,176,000
	Nov.	1,578,000	1,500,000	1,251,000	780,000	809,000	717,000	615,000
	Dec.	1,321,000	1,630,000	1,152,000	748,000	760,000	1,047,000	539,000
<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>20,099,000</b>
<b>Loomis</b>	Jan.	1,589,000	1,287,000	1,709,000	1,254,000	1,223,000	1,163,000	1,066,000
Pop. 382	Feb.	3,217,000	2,080,000	1,033,000	783,000	1,150,000	1,177,000	1,119,000
(2010 census)	Mar.	3,815,000	1,254,000	1,553,000	1,124,000	1,341,000	2,116,000	1,362,000
	Apr.	1,887,000	1,953,000	2,428,000	1,534,000	1,952,000	4,199,000	2,828,000
	May	2,604,000	3,231,000	7,072,000	5,182,000	5,636,000	2,763,000	1,952,000
	June	2,384,000	4,369,000	10,692,000	7,094,000	4,465,000	5,302,000	7,843,000
	July	5,508,000	5,352,000	15,290,000	11,508,000	8,702,000	8,388,000	6,932,000
	Aug.	6,722,000	6,655,000	7,847,000	7,579,000	5,563,000	6,377,000	7,775,000
	Sept.	5,741,000	6,671,000	8,014,000	7,236,000	2,847,000	6,215,000	5,093,000
	Oct.	5,521,000	3,976,000	4,510,000	2,221,000	2,970,000	3,215,000	4,769,000
	Nov.	1,928,000	2,551,000	1,855,000	1,393,000	1,437,000	1,382,000	1,995,000
	Dec.	1,607,000	1,304,000	984,000	1,298,000	1,289,000	1,113,000	1,254,000
<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>44,038,000</b>
<b>Smithfield</b>	Jan.	69,7000	232,300	311,700	167,700			178,100
Pop. 54	Feb.	192,000	332,000	169,600	158,400			79,200
(2010 census)	Mar.	231,200	553,600	212,300	106,400			93,100
	Apr.	107,500	555,200	145,100	269,100			182,300
	May	135,900	420,600	611,300	373,800			210,600
	June	335,000	270,100	959,500	690,600			189,900
	July	407,700	440,600	959,700	555,300			1,028,800
	Aug.	734,700	801,200	650,100	601,500			1,173,700
	Sept.	465,900	602,000	620,700	350,200			386,200
	Oct.	237,200	321,000	332,900	211,600			290,500
	Nov.	184,300	234,300	290,900	181,400			164,400
	Dec.	238,700	202,800	112,800	195,000			180,700
<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>	<b>4,157,500</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.

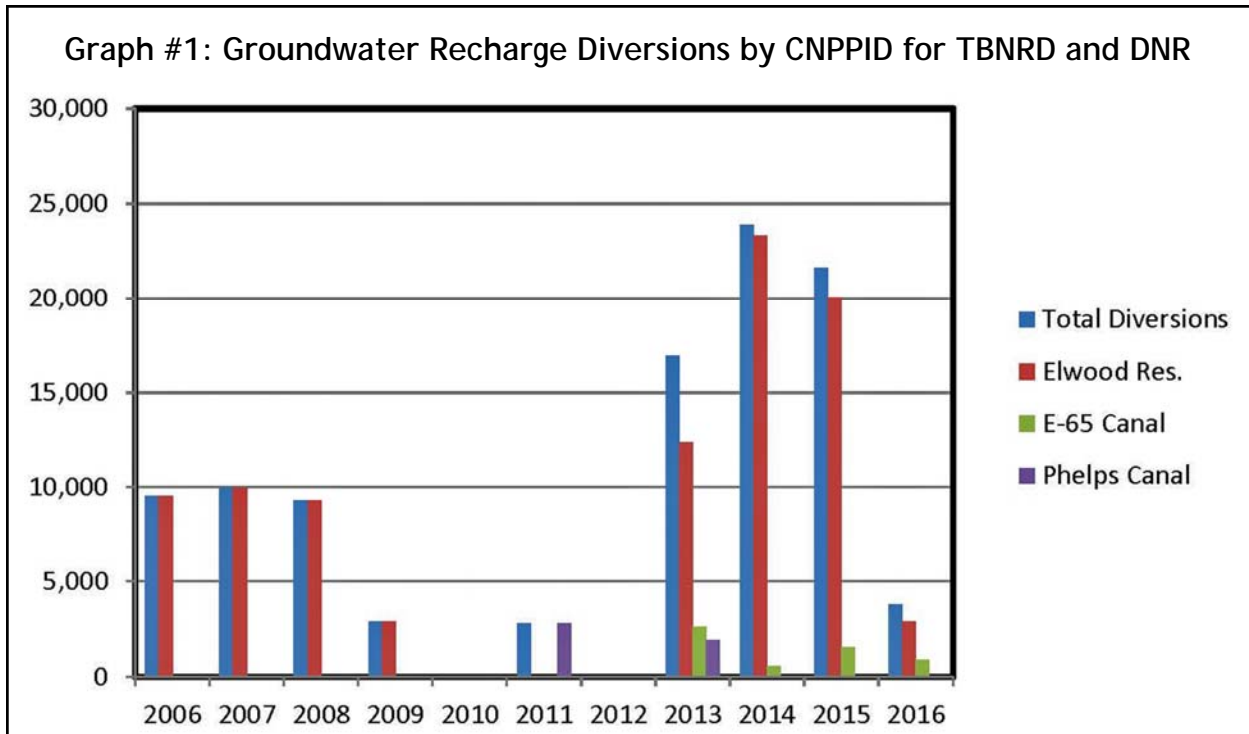
\*2015 IMP Report data for Bertrand contained an error; data from one well was not included in the report.

IX. WATER BANKING ACTIVITIES

TBNRD is considering establishing a water bank of some sort as a way to reduce impacts to streamflows through regulation if funding for streamflow offset projects prove to be insufficient in the future, but no policy has yet been agreed upon by the TBNRD Board of Directors.

X. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

Tri-Basin NRD 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, for a grand total of 100,757 acre-feet of water diverted from 2006-2016. 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.



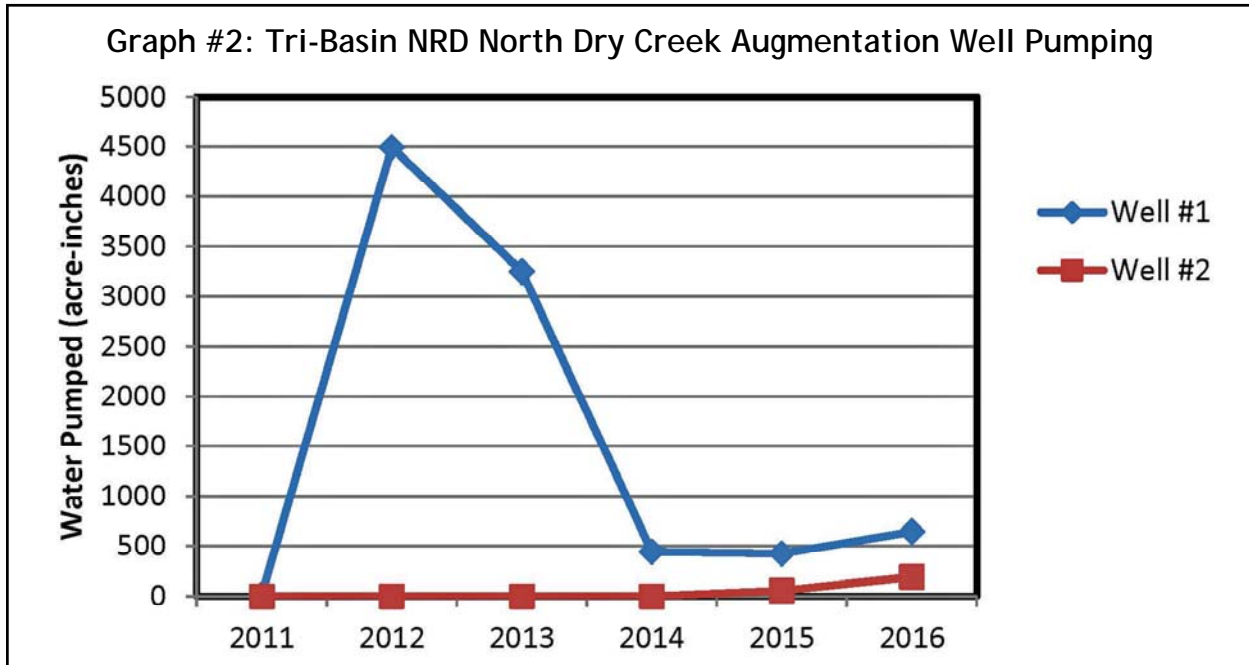
The Platte River Recovery Implementation Program (PRRIP) paid CNPPID to divert 4088 acre-feet of water into the Phelps County Canal in 2012. Since then, PRRIP has made additional diversions on several occasions when the Platte is flowing above target levels (see Appendix D). While recharge resulting 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 11). 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 249.32 acre-feet of water pumped into the Platte River near Kearney in 2016 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 2016 through two contracts totaling 7.1 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 70,062.52 certified irrigated acres in the Platte Basin portion of the district during 2016 (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 2016 through this conservation practice.



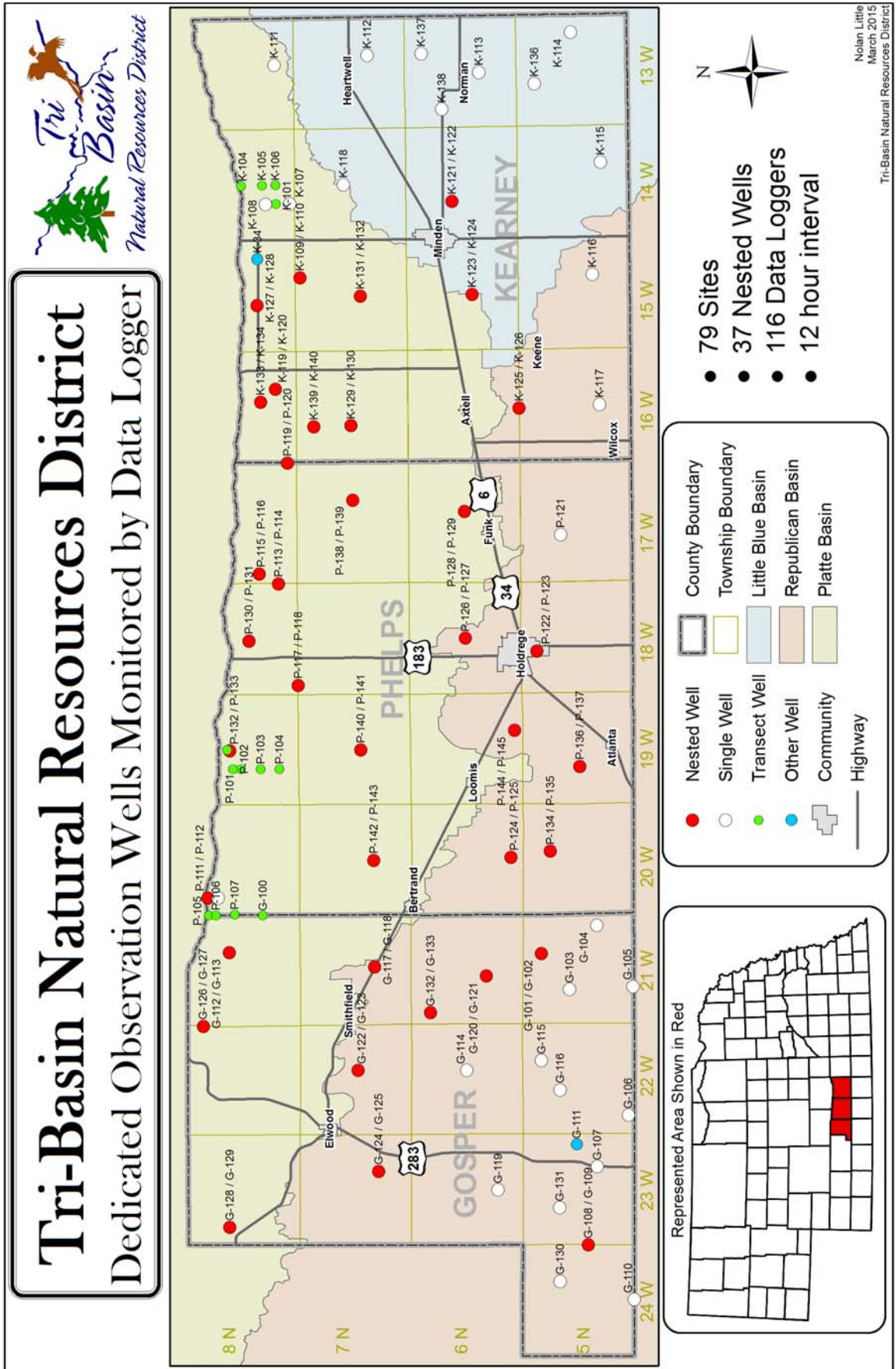
Tri-Basin NRD signed agreements with DNR, Central Platte NRD (CPNRD) and Twin Platte NRD to participate in funding the proposed “J-2 Re-regulation Reservoir” project southwest of Overton, Nebraska. It was anticipated that this reservoir would store up to 8000 acre-feet of water, and that it would fill as often as three times per year. Funding for the project was suspended by the PRRIP in 2016. Tri-Basin NRD and other project partners are evaluating possible feasible alternatives to this project. Tri-Basin NRD has accrued 2040 acre-feet per year of depletion offset credit from its participation in this project. This credit will remain in place through at least 2019.

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 2016.

**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 12). 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:

\_\_\_\_\_  $\frac{1}{4}$  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  
2016 Platte Basin Annual Report  
Appendix B**

DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
A-005254	805	152	45,376,000	
A-005527	1006	138.55	37,096,500	
A-005544-R1	113944	135	48,858,800	
A-005573-R1	203922	215	11,895,900	Supplemental well.
A-005616	1053	129.7	56,030,921	
A-005851-R2	234961	156.43	70,965,500	
A-005964B-R1	182843	116	37,510,264	
A-005987	1325	73.9	25,104,700	
A-006470	1647	130	47,757,097	
A-006862	1917	148	45,955,900	
A-007012-R1	2028	143	29,691,541	
A-008164-R1	174548	100	65,200,284	
G-000273-R1	98237	127	35,224,168	
G-000317-R2	219289	132	36,336,300	
G-000559	3859	97	31,103,500	
G-000597-R1	207683	135	53,516,732	
G-000671-R1	3992	300	84,119,600	
G-001127	4516	130	21,053,582	
G-001152	4544	134		Well not used in 2016.
G-001169	4563	151	32,847,200	
G-001228-R1	92085	73	56,280,400	
G-001374-R1	222615	135	41,327,800	
G-001498	4954	245.63	13,308,000	
G-001705	5190	140	52,461,528	
G-002216-R1	166014	128	30,235,300	
G-002383-R1	128836	132	36,979,500	
G-003468	7201	77	37,086,000	
G-004871	8801	80	16,618,248	
G-005097-R1	114236	137	53,858,100	
G-005392	9390			Well not used in 2016. Supplemental
G-006383	10549	185	35,343,103	
G-007340-R1	162706	130	52,451,900	
G-007342-R1	162707	119	56,165,500	
G-007488-R1	11845	151.18	7,049,786	Supplemental well.
G-008178	12651	130	25,995,338	
G-009462	14164	70.4	3,670,000	Supplemental Well - Used very little
G-009596	14319	71.6	21,043,200	
G-010388-R1	213868	65	9,501,728	
G-011357-R1	16352	115	28,847,051	
G-011745-R1	16802	132.4	44,482,000	
G-012651-R1	191520	67	24,177,921	
G-013097-R1	121819	132	20,560,200	Supplemental Well
G-013149-R1	223630	75	46,892,514	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-013423-R1	209336	260	65,812,878	
G-013974	19370	135.6	43,547,412	
G-014026	19432	146	44,843,500	Supplemental well
G-014735-R1	20244	78	8,746,014	
G-016206	21928	137	21,055,400	
G-016616-R1	169839	160		Well not used in 2016.
G-016633	22408	75	47,417,100	
G-016869	22679	20		Supplemental well. Not used in 2016.
G-017090-R1	172826	131.6	44,734,857	
G-020681	26927	133.6	32,305,656	Supplemental well.
G-020831	27090	120	41,214,884	
G-021172	27458	98	16,807,000	
G-021193	27482	124	19,757,521	
G-021735-R1	28060	132	50,180,592	Estimate. Meter broken. Producer will have meter fixed.
G-021830-R1	163082	133.9		Supplemental well. Not used in 2016.
G-022286	28646	30	7,234,097	
G-022950	29350	130	33,181,200	
G-023149	29563	26	9,926,145	
G-023266	29683	149	28,284,700	
G-023268-R1	241542	62	22,564,974	
G-023479	29912	125	32,155,100	
G-023572	30014	240	7,264,238	Supplemental well.
G-023615	30058	155	46,052,600	
G-024078-R1	98512	129.56	36,210,200	
G-024327	30807	135	61,397,000	
G-024459-R1	97819	75	43,200,000	Estimate
G-024986	31500	100	620,300	Supplemental well. Used only once.
G-025069	31589	149	44,505,406	Estimate
G-025152	31677	125	34,212,800	
G-025207	31736	130	3,378,500	Supplemental well.
G-025550	32099			Supplemental Well -Not used in 2016
G-025703-R1	242435	135	3,665,790	Supplemental well. Estimate.
G-025803	32369	140	50,420,300	
G-026446	33051	117	37,090,191	
G-027184	33850	140	35,276,000	
G-027484-R1	225652	135	7,320,175	
G-028077	34788	146	49,757,000	
G-028109-R1	34822	109	19,167,465	
G-028636	35400	132	43,775,800	
G-028660-R2	160179	135	4,757,500	Supplemental Well - 8.2" Surface water used
G-028765-R1	35540	142	44,426,000	
G-028884	35667	140	48,807,000	

**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-029347	36156	104.7	23,734,000	
G-029951-R1	217569	38	15,493,800	
G-030265	37128	50	18,569,262	
G-030496	37375	130	36,550,913	
G-030668-R1	164677	135		Supplemental well. Did not use in 2016.
G-030936-R1	176011	120	26,545,000	
G-031102	38030	133	42,732,000	
G-031354	38311	139	51,548,000	
G-031657	38620	62	28,770,100	
G-031862-R1	170685	147.5	39,580,300	
G-031885-R1	168468	149.9	55,891,900	
G-032220	39203	150	58,736,002	
G-032462-R1	166009	124	41,933,600	
G-032999-R2	189200	65	21,664,547	
G-033788	40819	147.2	13,209,200	Supplemental well.
G-033845	40877	132	59,145,800	
G-034024	41062	85	34,960,000	
G-034034-R1	93086	77	10,316,900	
G-034439	41489	130	65,251,062	
G-034522	41576	20		Well not used in 2016.
G-034601	41656	70	10,905,400	
G-034607-R1	95424	191	46,188,682	
G-034763	41826	142.1	4,073,100	Supplemental well. Only used well on gravity corners in 2016.
G-034808	41871	134	37,477,950	Estimate.
G-035027	42096	116.7	51,980,700	
G-035028	42097	154.8	41,052,500	
G-035046-R1	149129	94.08	19,388,100	
G-035210-R1	42287	132	29,570,706	
G-035230-R1	209844	100	49,370,316	
G-035306	42390	136	45,999,147	
G-035840-R1	221855	265	4,607,200	Supplemental well.
G-036219-R1	213455	75	42,434,370	
G-036447-R1	203726	135	14,542,400	
G-036500	43633	132	50,180,592	Estimate. Meter broken. Producer will have it fixed.
G-036585	43719	44.9	8,222,503	
G-036677	43812	130	54,287,091	
G-037041	44181	50	5,380,900	Supplemental well. Used mostly surface water.
G-037347	44495			Well not used in 2016. Supplemental well.
G-037931-R1	227572	140	25,073,300	
G-038167-R2	209014	134	29,359,500	
G-038172	45343	130	54,717,753	

**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-039054	46251	119	26,949,530	
G-039106	46304	128	46,228,900	
G-039190	46392	156	55,377,596	
G-039663-R1	199851	95	21,447,400	
G-040337	47575	145	30,776,000	
G-040839	48087	118	25,548,383	
G-041057	48311	79	77,277,297	
G-041183	48439	142	51,849,000	
G-041329-R1	219361	125	36,981,032	
G-041350	48611	127	33,980,515	
G-041369-R1	188563	66	46,849,900	
G-041826	49107	157.8	32,907,700	
G-041978-R1	222393	240	15,884,275	
G-041996-R1	228128	32	8,716,977	
G-042019	49302	145	51,714,521	
G-042824	50125	159.94	48,857,300	
G-042992-R1	191750	135	16,712,500	
G-043275-R1	50593	137	41,625,995	
G-043276-R1	169041	147	35,348,262	
G-043366-R1	127238	83	12,548,400	
G-043639	50973	151	52,032,223	
G-043947	51286	137	23,219,200	
G-044047	51391	145	34,635,470	
G-044222	51568	165	67,570,200	
G-044570	51919	30	8,553,510	Estimate from producer.
G-044608	51959	132	52,272,300	
G-044680	52031	141	43,258,494	
G-044918	52271	196.4	41,515,750	
G-045284	52644	135.13	36,150,000	
G-045549-R1	118572	135.9	44,518,600	
G-046380	53760	135	33,018,449	
G-046434	53847	150	49,456,400	
G-048424	55885	111	29,443,800	
G-049528	57016	133	32,828,100	
G-049567-R1	221186	146	38,294,200	
G-050030	57531	154	40,185,000	
G-050941	58466	17	22,208,061	
G-053870	61445	150	43,029,600	
G-054523	62111	150	37,085,000	
G-055251	62856	135.47	35,764,100	
G-055382-R1	172201	156.7	30,642,900	
G-055521	63130	136.8	95,940,512	
G-056004	63618	102.5	35,458,400	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-056606-R1	64243	133	27,592,800	
G-057082	64744	154.8	74,907,800	
G-057427-R1	222051	187	58,745,000	
G-058508	66218	136	37,978,399	
G-059592	67347	149.26	33,911,300	
G-060797-R1	212228	130	62,220,675	
G-061063	68882	240	74,964,862	
G-061501-R1	221352	152	21,454,300	
G-061654	69490	150.5	41,023,800	
G-061946	69783	127.48	33,847,900	
G-063158	71057	156	42,231,000	
G-063177	71076	138.68	53,033,934	
G-063232	71133	150	44,033,100	
G-063968	71890	130	64,173,048	
G-064069	71993	65.25	17,734,800	
G-064272	72215	33.8	14,187,000	
G-064756	72722	77.21	72,644,800	
G-064840	72808	155	37,452,700	
G-065598	73589	130	64,941,234	
G-066270	74279	134	24,549,000	
G-066404	74421	130	30,322,057	
G-066511	74530	131.6	40,875,100	
G-067478	75541	65	20,870,564	
G-067820	75893	135	26,067,200	
G-067926	76002	103	30,456,700	
G-067960	76038	132	72,141,600	
G-068235	76316	126	57,233,843	
G-068903	77028	134.8	29,003,800	
G-068938	77063	135	35,838,663	
G-069457	77609	113	37,143,429	
G-069536	77689	130	62,230,400	
G-069613	77769	275	65,764,272	
G-070731	78892	158.2	43,753,000	
G-070802	78963	145	35,095,000	
G-070946	79107	14		Well not used in 2016.
G-071177-R1	225427	133	18,296,093	
G-071178-R1	162859	144.83	42,538,700	
G-071179	79340	120	52,135,680	
G-071541	79703	128	38,907,608	
G-072455-R1	206053	132	49,963,360	
G-072667	80855	140	25,699,903	
G-072681	80869	20	1,784,200	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-073172	81360	72	23,207,437	
G-073798	82134	124	35,012,910	
G-073863	82203	150	33,474,300	Series Well w/ A-008164-R1 - 2 Wells each own meter.
G-074144	82484	134	40,572,149	
G-074176	82517	130	48,053,619	
G-074256	82601	73	31,253,400	
G-074282	82627	134	37,922,000	
G-074365	82710	127	24,139,906	Estimate.
G-074392	82739	76.07	35,360,700	
G-074662	83011	105	61,662,700	
G-087416	99269	140	54,879,320	
G-087842	99647	143	34,869,400	
G-091120	102868	142	47,428,300	
G-091407	102859	120	39,633,000	
G-094083	107849	130	31,619,300	
G-096150	109726	130	40,414,384	
G-096555	109842	130	35,270,000	
G-096676	112194	130	36,752,939	
G-097707-R1	236661	143.3	44,484,768	
G-100388	114419	145	41,777,400	
G-109999	128947	225	31,224,927	
G-110172	129232	134	47,330,000	
G-116457	140343	130	33,239,211	
G-116906	141679	75	34,425,000	Estimate
G-118169	142719	136	50,823,598	
G-119660	146805	88	24,140,449	
G-121077	147633	152.8	42,396,500	
G-121219	146009	120	39,737,500	
G-121766	146008	150	47,939	
G-121894	148344	181.97	34,352,100	
G-122529	147634	78.2	13,733,800	Supplemental to surface water. 9"
G-123303	149183	64	39,893,000	
G-124617	152724	128	32,045,312	
G-125286	152448	40	33,056,500	
G-125287	152447	130	56,813,200	
G-127496	153919	127	43,314,400	
G-127559	155815	135	45,860,000	
G-128172	154500	37.5	14,779,500	
G-129150	154896	147	40,269,300	Supplemental well
G-129257	160440	137	12,019,800	Supplemental well.
G-129577	158376	120	20,296,300	
G-129685	156989	136.2	9,938,364	Supplemental well

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-129692	160438	140	43,905,600	
G-130058	154894	95	54,552,657	
G-130108	159812	75	40,282,956	Supplemental. Used mostly surface water.
G-130225	160878	156	40,863,300	
G-130559	156326	152.5	49,180,700	
G-130635	159808	19	14,625,100	
G-130699	161380	135.1	14,800	Supplemental. Used surface water.
G-130801	154254	130	42,987,800	
G-130918	161076	136	66,698,900	
G-130954	162385	10	2,758,800	
G-130969	161430	145		Supplemental Well - Not used in 2016
G-131043	161371	148	46,865,200	
G-131271	156876	130	1,276,700	Supplemental well. Used mostly surface water.
G-131440	156871	124	1,765,400	Supplemental Well - Used once
G-131490	154924	79.8	15,040,057	
G-131622	155819	100	31,051,000	Supplemental to surface water 9"
G-131623	155812	135	47,651,900	
G-131726	162133	150.88	100,956,900	
G-131774	163016	134	31,072,500	
G-131925	162127	133.04	2,800	Supplemental well. Used mostly surface water.
G-131927	161757	130	38,990,300	
G-131930	162388	122.6	55,215,400	
G-132158	163442	130	38,185,000	
G-132168	160566	135	44,109,100	
G-132241	165009	128	30,448,000	Supplemental well
G-132339	156879	129.42	2,095,600	Supplemental well. Used mostly surface water.
G-132340	156877	134.95	2,432,200	Supplemental well. Used mostly surface water.
G-132341	156875	128	634,100	Supplemental well. Used mostly surface water.
G-132344	156789	6	3,748,500	
G-132359	160881	132	13,581,073	Supplemental Well - Tri county watered Used [approx 3"]
G-132512	161373	135	49,696,000	
G-132514	165545	165	3,900	Surface Water only, used well few minutes to move
G-132529	161379	141.5	5,010,300	Supplemental to surface water.
G-132531	161571	140	58,519,856	
G-132532	161572	151.12	73,198,100	
G-132544	159256	136.5	32,327,923	
G-132547	159597	153.5	10,386,200	Supplemental Well Used mostly Surface water in 2016
G-132644	160439	157.6	73,504,200	
G-132663	164229	154.3	33,940,327	
G-132700	165015	132	93,731,000	
G-132701	165016	132	98,758,400	
G-132733	159884	160	35,533,100	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-132734	164687	115	63,158,574	
G-132768	165657	140.1	18,040,800	
G-132769	160567	144	60,047,400	
G-132798	159254	130	14,826,084	Supplemental well.
G-132840	160488	151	35,076,200	
G-133038	165739	130	39,348,500	
G-133180	161381	144.7	2,431,300	Supplemental. Used mostly surface water in 2016.
G-133181	161382	141.9	2,381,500	Supplemental. Used mostly surface water in 2016.
G-133233	162390	117	48,931,200	
G-133234	161749	115	44,031,600	
G-133235	158379	117	9,189,100	
G-133352	162136	135	36,388,803	
G-133405	165547	120	38,935,500	
G-133416	165335	52	27,981,300	
G-133421	161383	101	36,406,725	
G-133426	165471	65	21,826,900	
G-133471	163782	130	38,844,200	
G-133725	162123	130	35,806,600	
G-133759	160323	87	28,666,477	
G-133929	164406	75	46,406,900	
G-133952	166448		3,399,400	Well Used to fill Mosaic Pond
G-134113	166449	111	40,529,400	
G-134130	162140	130	58,920,600	
G-134132	162139	67	19,283,900	
G-134186	166699	75	2,372,445	Supplemental well.
G-134199	162134	130	42,959,800	
G-134206	166528	123.5	3,604,900	Supplemental Well - Used a couple of times in 2016
G-134230	166010	130.47	23,329,300	
G-134566	160564	123	44,641,200	
G-134706	167566	140		Supplemental well. Not used in 2016.
G-134879	162601	65	4,457,000	Supplemental Well - Used a little in 2016 -15" surface water
G-135119	169328	156.3	27,715,200	Used Surface Water
G-135169	166605	120	47,427,600	
G-135192	167715	135	4,586,300	Supplemental well
G-135193	167716	65	10,150,800	
G-135213	166040	86	17,307,500	
G-135516	169018	120	48,489,400	
G-135532	160565	140	10,553,300	Supplemental well.
G-135822	169468	99.6	24,596,200	
G-135950	161750	136		Supplemental well. Not used in 2016.
G-136259	169013	72	19,785,900	
G-136650	169774	135	46,530,900	
G-136691	165017	135	17,452,800	Supplemental to surface
G-137318	169448	110	42,374,000	



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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-137329	169841	134.3	41,850,000	
G-137381	170158	145	10,968,043	Supplemental Well
G-137402	170172	145	41,406,863	
G-137403	170742	72	22,353,000	
G-137447	165018	135	29,254,900	Supplemental Well -3 corners watered with surface water.
G-137937	172642	134	76,173,600	
G-137967	166808	292	29,400	Supplemental well.
G-138203	172442	155	59,696,439	
G-138280	162142	66	32,816,900	
G-138416	162122	145	26,169,800	
G-138534	172370	150	46,968,002	
G-138594	172862	74.6	10,368,000	
G-139059	172599	100	35,100,000	Estimate.
G-139271	170679	120	28,742,400	
G-139360	165336	40	47,067,900	
G-139572	169042	100	31,956,600	
G-140625	172547	130	3,602,300	Supplemental Well. Used once in 2016
G-141518	173834	65	19,070,800	
G-141860	177863	93.3	14,686,430	Supplemental well.
G-142036	170682	59	24,944,900	Supplemental well
G-142430	178761	130	26,509,200	Supplemental Well
G-142530	173630	139	35,990,600	
G-142566	178584			Supplemental Well - Did Not Use in 2016
G-142967	178585	215	54,982,900	
G-143253	177864	243	441,300	Supplemental well.
G-144298	182757	65	24,000,000	Estimate from hours - Will replace meter
G-144555	181381	150		Supplemental well. Not used in 2016. E394
G-144716	182053	145	48,691,100	
G-144783	183104	135	35,915,000	
G-144784	180131	76	10,671,522	
G-144823	182952	205	44,900	Supplemental well. Only used for water for cattle through winter.
G-144980	182209	135	52,425,100	
G-145042	183105	100	34,450,200	
G-145565-R1	190217	130	39,994,040	
G-145863	185009	132	6,263,200	Supplemental Well. Used very Little
G-145885	178762			Well not used in 2016
G-145993	183670			Supplemental Well -Not Used in 2016
G-146977	180054	50	28,069,800	
G-147124	182953	150	1,973,600	Supplemental. Used mostly surface water.
G-147456	188634	65	12,330,359	
G-147457	188635	130	46,270,959	
G-148411	189364	135.31	58,954,200	
G-148565	187309	131.7		Supplemental Well -Not Used in 2016

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-148621	191026	75	23,405,390	
G-148622	190543			Supplemental Well -Not Used in 2016
G-148685	188800	125	38,972,506	
G-148702	189813	94	48,515,508	
G-148743	187694			Well Not Used in 2016 -Supplemental Well
G-149188	191318	134	41,811,000	
G-149618	192106	132	43,357,063	
G-149663	191521	74	19,910,942	
G-149890	191025	87	25,394,149	40 acres irrigated grass
G-150891	187697	129	38,683,100	Supplemental Well - 4.8" surface water used
G-151663	191248	62	21,496,192	
G-152478	197495	148.2	401,607	Didn't really use well, ran once. Used Surface water in 2016
G-152676	191017	125	38,823,431	
G-152707	197427	147	4,898,100	Supplemental well.
G-153081	197627	68	11,220,000	Estimate.
G-153624	199985	100	26,954,961	
G-157641	202660	121		Only used well to flush pivot. Used surface water for irrigation.
G-158114	208108	72	20,121,114	
G-159284	208463	162.8	52,116,943	
G-161020	213049	128	66,422,400	Potatoes
G-161031	214156	30	26,122,148	
G-161519	208462	67	11,426,500	
G-162791	215361	10	16,452,880	
G-162926	216452	74.5	24,310,433	
G-164032	219279	155	45,167,148	
G-164644	218534	160	43,679,109	
G-164765	217905			Supplemental Well -Not used in 2016
G-165055	220042	148	1,436,638	Supplemental Well 6.5" surface water used
G-165537	215283	48	29,109,088	
G-165597	218166	75	30,420,626	Used well to water cattle during winter.
G-166011	221015	130	48,182,600	
G-166108	222272	67	21,867,930	
G-166557	217687	124	52,372,734	
G-166720	222354	148	30,543,633	
G-167012	221958	31.8	13,340,217	
G-167286	223104	144	27,271,033	
G-167416	222557	77.1	40,074,144	
G-167483	224220	105	5,231,490	Supplemental well.
G-167695	221189	127	49,963	Supplemental well. Barely any movement in meter.
G-167696	221856	130	8,657,781	Supplemental well.
G-167697	222232	62	3,780,108	Supplemental

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-167700	222753	150		Did not use in 2016. Supplemental well.
G-167889	222616	76	17,011,166	
G-167954	223105	76	58,029,455	
G-168005	223141	57	5,637,985	
G-168610	217989	143	33,219,660	
G-169763	225845	43		Supplemental well. Used only surface water in 2016.
G-169866	224583	62	24,232,501	
G-170249	228482	122	46,656,545	
G-170384	228390	155	71,883,426	
G-170397	222559	79.39	4,721,809	Supplemental well.
G-170400	226797	67	27,689,476	
G-171454	229850	81.4	9,194,616	Supplemental well
G-171471	229476	65	11,752,600	
G-171948	228629	133	33,508,850	
G-172064	227073			Supplemental Well -Not Used in 2016
G-172337	230621	130.5	1,517,365	Supplemental well.
G-172642	226828	137	15,169,582	
G-172798	230409	143.17	16,986,727	Supplemental to Surface. 9"
G-173699	230989	171	43,398,337	
G-174251	230397	100	10,553,402	
G-174557	230623	80	12,203,007	
G-174591	234579	82	2,449,290	Supplemental Well 16.2 surface water acres used
G-174932	232741	123	9,252,726	Supplemental Well
G-175697	225514	75	56,145,239	
G-175830	235770	35	8,261,333	
G-175946	231156	113.65	15,365,090	
G-175949	236660	108	1,324,572	Supplemental well
G-176126	235952	116		Supplemental well. Not used in 2016.
G-176401	236745	15	10,117,037	156 acres potatoes
G-177578	239253	21.4	24,548,845	
G-178033	240120	260	1,861,135	Supplemental well. Meter in late. Used mostly surface water.
G-178903	240974	132	31,194,786	

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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	142.2	No Till
G-067072	NE 1/4	5	16	5	70	No Till
G-025035	SW 1/4	5	16	5	73	No Till
G-023406	SW 1/4	5	16	7	126.53	No Till
G-030567	NE 1/4	5	16	7	129.56	No Till
G-025915	SW 1/4	5	16	8	66	No Till
G-069714	NE 1/4	5	16	8	135	No Till
G-016226	NW 1/4	5	16	17	68.2	No Till
G-073554	NE 1/4	5	16	17	78	No Till
G-061236	SW 1/4	5	16	17	122	No Till
G-130632	SW of NW 1/4	5	16	18	125	No Till
G-086748	NW 1/4	5	16	19	118	No Till
G-115336	SW 1/4	5	16	19	126	No Till
G-127045	SE of SE 1/4	5	16	19	130	No Till
G-071117	SW 1/4	5	16	20	64	No Till
G-030857	NW 1/4	5	16	21	14	No Till
G-006759	SE 1/4	5	16	21	77	No Till
G-064303	NW 1/4	5	16	21	150	No Till
G-039492	SW 1/4	5	16	21	160	No Till
G-008191	SE 1/4	5	16	22	66.7	No Till
G-023920	NE 1/4	5	16	22	125	No Till
G-042526	NW 1/4	5	16	22	125	No Till
G-002334	SW 1/4	5	16	22	180	No Till
G-068947	NE 1/4	5	16	23	143	No Till
G-076259	SE 1/4	5	16	23	150	Minimum Till
G-013965	SW 1/4	5	16	23	155	No Till
G-057755	NW 1/4	5	16	23	155	Minimum Till
G-013352	SW 1/4	5	16	24	131	No Till
G-120952	SE of SW 1/4	5	16	26	143	Minimum Till
G-011958	NW 1/4	5	16	26	158.61	No Till
G-001416	NW 1/4	5	16	27	40	No Till
G-045032	SW 1/4	5	16	27	136	No Till
G-053935	NE 1/4	5	16	27	150	Minimum Till
G-028128	SW 1/4	5	16	28	140	No Till
G-025009	SW 1/4	5	16	29	25	No Till
G-037547	NE 1/4	5	16	29	32	No Till
G-025010	NW 1/4	5	16	29	55	No Till
G-065030	SE 1/4	5	16	29	65	No Till
G-067052	SW 1/4	5	16	29	74	No Till
G-013963	NE 1/4	5	16	29	108	No Till
G-020298	NW 1/4	5	16	30	64.5	No Till

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G-028336	SW 1/4	5	16	31	30.8	No Till
G-013511	NW 1/4	5	16	31	31.3	No Till
G-023721	SW 1/4	5	16	31	59.3	Minimum Till
G-026087	SW 1/4	5	16	32	160	No Till
G-050075	SW 1/4	5	16	33	130	No Till
G-035158	NW 1/4	5	16	34	64	No Till
G-039968	NE 1/4	5	16	34	65	No Till
G-050365	SW 1/4	5	16	35	40	No Till
G-034806	SW 1/4	5	16	35	75	Minimum Till
G-002671	NW 1/4	5	16	35	130	No Till
G-023069	NE 1/4	5	16	36	140	Minimum Till
G-030141	SW 1/4	5	16	36	150	No Till
G-074588	SE 1/4	5	16	36	155	No Till
G-027064	SE 1/4	5	17	2	80	No Till
G-044612	NE 1/4	5	17	4	140	Minimum Till
G-030736	SE 1/4	5	17	4	147	Minimum Till
G-010454	lots 11, 12, 17, & 18	5	17	6	140	Minimum Till
G-018114	lots 13, 14, pts of 15, 16	5	17	6	146	Minimum Till
G-062245	pts of S2 of NE 1/4 & N2 of SE 1/4	5	17	7	115	No Till
G-063852	NE 1/4	5	17	7	131.9	No Till
G-039890	SW 1/4	5	17	9	30	Minimum Till
G-052284	NW 1/4	5	17	9	67	No Till
G-024394	SE 1/4	5	17	9	70	Minimum Till
G-032082	NE 1/4	5	17	9	140	No Till
A-006726	NW 1/4	5	17	10	13	No Till
G-033160	NW 1/4	5	17	10	132	No Till
A-007010	SE 1/4	5	17	11	74	No Till
G-025032	NE 1/4	5	17	13	77	No Till
G-052826	NW 1/4	5	17	13	130	No Till
G-031733	SW 1/4	5	17	13	135.7	No Till
G-072383	NE 1/4	5	17	14	113.15	No Till
G-087522	NW 1/4	5	17	14	130.63	No Till
G-083647	SW 1/4	5	17	14	135.74	No Till
G-035141	SE 1/4	5	17	15	65	No Till
G-053691	SW 1/4	5	17	15	130	No Till
G-023301	NW 1/4	5	17	15	130	No Till
G-035422	SW 1/4	5	17	16	110	No Till
G-067725	NE 1/4	5	17	16	130	No Till
A-008150	NW 1/4	5	17	16	135	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-146199	NE1/4	5	17	16	135	No Till
G-071535	lots 13 & pt S2 lot 12	5	17	18	60.04	No Till
G-041544	lots 3-6	5	17	19	76	No Till
G-061141	NW 1/4	5	17	20	131.5	No Till
G-165675	NW 1/4	5	17	21	43	No Till
G-042382	NW 1/4	5	17	21	58	No Till
G-091242	NE 1/4	5	17	21	60	No Till
G-074567	NE 1/4	5	17	22	76	No Till
G-036947	SE 1/4	5	17	23	64	No Till
G-091805	NW 1/4	5	17	24	67.5	Minimum Till
G-025073	SE 1/4	5	17	24	130	No Till
G-067974	SW 1/4	5	17	24	130	No Till
G-020559	NE 1/4	5	17	24	133	No Till
G-069535	SE 1/4	5	17	25	53	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	61.7	No Till
G-128350	NE of NE 1/4	5	17	26	64	No Till
G-128351	SW of SE 1/4	5	17	26	85	No Till
G-056775	NW 1/4	5	17	26	140	No Till
G-063123	SE 1/4	5	17	29	130	No Till
G-074324	lots 11, 12, 13, & 14	5	17	31	141	No Till
G-053486	SE 1/4	5	17	33	64	No Till
G-051199	SW 1/4	5	17	33	67	No Till
G-025739	SW 1/4	5	17	33	67.5	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-115347	SW 1/4	5	17	35	120	No Till
G-030282	NE 1/4	5	17	35	125	No Till
G-051378	SE 1/4	5	17	35	125	No Till
G-054318	NE 1/4	5	17	36	43	No Till
G-029273	NW 1/4	5	17	36	74	No Till
G-047270	SE 1/4	5	18	1	55	No Till
G-018931	NW 1/4	5	18	3	78	No Till
G-023376	SW 1/4	5	18	6	67	No Till
G-003499	NW 1/4	5	18	7	63	No Till
G-074706	NE 1/4	5	18	8	145	No Till
G-015350	NW 1/4	5	18	8	154	No Till
A-005838	NE 1/4	5	18	10	10	No Till
G-074474	NE 1/4	5	18	10	145	No Till
G-022762	NE 1/4	5	18	11	62	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-024376	SW 1/4	5	18	12	64	No Till
G-165018	NE 1/4	5	18	12	82	No Till
G-126616	NW 1/4	5	18	12	185	No Till
G-062292B	SE 1/4	5	18	13	157	No Till
G-027808	SE 1/4	5	18	16	97	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-037902	NE 1/4	5	18	17	156	No Till
G-066990	NW 1/4	5	18	17	156	No Till
G-021705	NW 1/4	5	18	18	76	No Till
G-095680	NE 1/4	5	18	18	130	Minimum Till
G-059221	SE 1/4	5	18	19	115	No Till
G-015354	SW 1/4	5	18	19	140	No Till
G-072701	NW 1/4	5	18	20	130	No Till
G-005936	SW 1/4	5	18	20	130	No Till
G-062981	NE 1/4	5	18	21	147	No Till
G-022590	NW 1/4	5	18	22	155	No Till
G-044991	SE 1/4	5	18	22	155	No Till
G-031620	NW 1/4	5	18	23	133.6	No Till
G-070513	SW 1/4	5	18	23	155	No Till
G-022098	NW 1/4	5	18	24	65	No Till
G-129695	NW of SW 1/4	5	18	25	68.1	No Till
G-030822	NW 1/4	5	18	25	158	Minimum Till
G-031086	SE 1/4	5	18	27	142	No Till
G-050678	NE 1/4	5	18	27	154	No Till
G-025488	SE 1/4	5	18	28	119	No Till
G-070514	NW 1/4	5	18	28	129	No Till
G-041704	SW 1/4	5	18	30	68	No Till
G-000802	NW 1/4	5	18	30	136	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	133.5	No Till
G-042013	NW 1/4	5	18	32	145	No Till
G-119626	SE of SE 1/4	5	18	36	66.8	No Till
G-026055	NW 1/4	5	19	1	130	No Till
G-055772	NE 1/4	5	19	2	86	No Till
G-035658	SE 1/4	5	19	4	147	No Till
G-028636	NW 1/4	5	19	5	138	No Till
G-044680	NE 1/4	5	19	5	146	No Till
G-120087	Cent of SW 1/4	5	19	6	67	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-060748	NE 1/4	5	19	6	128	No Till
G-039462	SE 1/4	5	19	6	130	No Till
G-039385	NW 1/4	5	19	7	64	No Till
G-115304	SE	5	19	7	118	No Till
A-007514	SW 1/4	5	19	7	130	No Till
G-005935	NE 1/4	5	19	7	140	No Till
G-052581	SE 1/4	5	19	8	146.8	No Till
G-001256	SE 1/4	5	19	9	145	No Till
G-024222	SW 1/4	5	19	11	132	No Till
G-012366	NE 1/4	5	19	11	142	No Till
G-041783	SE 1/4	5	19	11	147	No Till
G-022334	NW 1/4	5	19	12	7	No Till
G-09150	SE 1/4	5	19	12	80	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-086015	SW 1/4	5	19	13	145	No Till
G-040491	SE 1/4	5	19	13	152	No Till
G-070221	SE 1/4	5	19	14	69	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-027644	NE 1/4	5	19	14	150	No Till
G-129594	NE of NE 1/4	5	19	16	46	No Till
G-169903	N 1/2 of NW 1/4	5	19	16	66	No Till
G-134076	SW of NW 1/4	5	19	17	145	No Till
G-061307	SW 1/4	5	19	18	62	No Till
G-032103	NW NE 1/4	5	19	18	75	No Till
G-090649	NE 1/4	5	19	19	131	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	150	No Till
G-073389	NW 1/4	5	19	20	155	No Till
A-007273	SE 1/4	5	19	23	135	No Till
G-116848	SW 1/4	5	19	23	152	No Till
G-032287	SW 1/4	5	19	24	133	No Till
G-073420	NE 1/4	5	19	25	130	No Till
G-119670	NW 1/4	5	19	25	140	No Till
G-034186	SW 1/4	5	19	25	143	No Till
G-024341	NE 1/4	5	19	26	145	No Till
G-049567	SE 1/4	5	19	26	145	No Till
G-028487	SW 1/4	5	19	26	152	Minimum Till
G-036688	NW 1/4	5	19	27	72	No Till



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G-022556	NE 1/4	5	19	27	122	No Till
G-039990	SW 1/4	5	19	27	141.8	No Till
G-054401	SW 1/4	5	19	28	134	No Till
G-022155	NE 1/4	5	19	28	145.6	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-029791	SE 1/4	5	19	29	158.7	No Till
G-094233	NE 1/4	5	19	31	81	No Till
G-096952	NW 1/4	5	19	31	130	No Till
G-096953	SW 1/4	5	19	31	135	No Till
G-094234	SE 1/4	5	19	31	163	No Till
G-053938	NE 1/4	5	19	32	177	No Till
G-025704	SW 1/4	5	19	33	156	No Till
G-025056	NE 1/4	5	19	35	140	No Till
G-025164	NW 1/4	5	19	35	153.1	No Till
G-030784	SW 1/4	5	19	36	126	No Till
G-106128	SE 1/4	5	19	36	137	No Till
G-040116	NE 1/4	5	19	36	145	No Till
G-026631	NW 1/4	6	16	5	79.4	No Till
G-123407	NE 1/4	6	16	5	135	No Till
G-016296	SW 1/4	6	16	21	134.75	No Till
G-010390	NE 1/4	6	16	21	187	Minimum Till
G-009596	NE of SE 1/4	6	16	29	71.6	No Till
G-036074	SE 1/4	6	16	32	40	No Till
G-057571	NW 1/4	6	16	32	63	No Till
G-081367	SW 1/4	6	16	32	171.1	No Till
G-130559	SW of SW 1/4	6	17	3	155	No Till
G-132996	SW of NW 1/4	6	17	5	65	No Till
G-003937	lots ll, 12, 17, & 18	6	17	6	150	Minimum Till
G-100986	lots pts 5, 6, 7, & 8	6	17	6	1350	No Till
G-053867	lots 1, 2, 7 & 8	6	17	7	142	Minimum Till
G-039539	lots 9, 10, 15 & 16	6	17	7	152	Minimum Till
G-133416	NW of NW 1/4	6	17	8	64	No Till
G-027040	NE 1/4	6	17	11	97	Minimum Till
G-132798	NE of NE 1/4	6	17	17	66	No Till
G-132585	SE of SE 1/4	6	17	17	135	Minimum Till
G-065948	NW 1/4	6	17	17	158	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	73.7	No Till
G-068903	NE 1/4	6	17	26	134.8	No Till

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G-033196	SE 1/4	6	17	26	135	No Till
G-026335	SE 1/4	6	17	28	53	No Till
G-047646	SW 1/4	6	17	34	65	No Till
G-074644	NE 1/4	6	17	35	78.5	No Till
G-005391	NW 1/4	6	17	35	135	No Till
G-011743	NE 1/4	6	17	36	13	No Till
G-052389	NE 1/4	6	17	36	74	No Till
G-015957	SW 1/4	6	18	1	150	Minimum Till
G-061063	NE 1/4	6	18	2	153.5	No Till
G-069282	SW 1/4	6	18	3	105	No Till
G-113765	NW 1/4	6	18	3	135	No Till
G-134566	NW of NW 1/4	6	18	6	123	No Till
G-131624	SW of NW 1/4	6	18	7	68	No Till
G-023699	NW 1/4	6	18	9	65	No Till
G-133038	NE 1/4	6	18	9	148	No Till
G-008028	NW 1/4	6	18	10	103.2	No Till
G-015956	NW 1/4	6	18	12	135	Minimum Till
G-015125	NE 1/4	6	18	12	152	Minimum Till
G-007764	NE 1/4	6	18	13	148	No Till
G-013612	NW 1/4	6	18	15	121.5	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-041561	NE 1/4	6	18	20	152	No Till
G-030693	NW 1/4	6	18	20	154	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-008006	SW 1/4	6	18	21	138	No Till
G-044968	NE 1/4	6	18	21	138	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-045284	SE 1/4	6	18	22	40.9	No Till
G-004679	SW 1/4	6	18	22	70.4	No Till
G-059302	SE of NW	6	18	22	131.1	No Till
G-041717	SE 1/4	6	18	23	97	Minimum Till
G-071351	SE 1/4	6	18	25	7	No Till
G-037321	NW 1/4	6	18	25	147	No Till
G-028924	SW 1/4	6	18	25	153	No Till
G-028923	SE 1/4	6	18	25	158	No Till
G-024356	NW of SW 1/4	6	18	26	47	No Till
G-120881	SE 1/4	6	18	27	31.8	Minimum Till

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G-008029	SW 1/4	6	18	27	73.5	No Till
G-039450	SE 1/4	6	18	27	86	No Till
G-026280	NW 1/4	6	18	27	136	No Till
G-006859	NE 1/4	6	18	28	144.5	No Till
G-057628	NE 1/4	6	18	29	110	No Till
G-003580	SE 1/4	6	18	30	51	No Till
G-044681	NE 1/4	6	18	30	136	No Till
G-032987	SW 1/4	6	18	30	145	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-035251	NE 1/4	6	18	31	151	No Till
G-028370	SW 1/4	6	18	32	101	No Till
G-030104	SW 1/4	6	18	32	101	No Till
G-026164	NW 1/4	6	18	32	141	No Till
G-026036	NW 1/4	6	18	34	23	No Till
G-045549	SE 1/4	6	19	2	69	No Till
G-014651	SW 1/4	6	19	2	150	No Till
G-052272	NE 1/4	6	19	4	140	No Till
G-020857	SW of NW 1/4	6	19	4	171	No Till
G-088498	SW 1/4	6	19	5	131	No Till
G-001169	NE 1/4	6	19	5	149	No Till
G-167696	NW 1/4	6	19	6	127	No Till
G-036171	SE 1/4	6	19	6	148	No Till
G-040343	SW 1/4	6	19	8	75	No Till
G-015120	SE 1/4	6	19	8	149	No Till
G-025733	NE 1/4	6	19	9	97	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-126845	NW of SE 1/4	6	19	11	68	No Till
G-042443	SW 1/4	6	19	11	137	No Till
G-169498	NE 1/4	6	19	13	33	No Till
G-072918	NW 1/4	6	19	13	109	No Till
G-114016	NE 1/4	6	19	13	115	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-004994	NE 1/4	6	19	14	143	No Till
G-110559	NE 1/4	6	19	14	146	No Till
G-025815	SW 1/4	6	19	14	155	No Till
G-000854	SW 1/4	6	19	15	70	Minimum Till
G-058068	SE 1/4	6	19	15	151	No Till
G-028660	SE 1/4	6	19	16	140	No Till

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G-032462	SW 1/4	6	19	17	135	No Till
G-027416	NE 1/4	6	19	17	152	No Till
G-045710	NE 1/4	6	19	18	148	No Till
G-074330	SW 1/4	6	19	19	61	No Till
G-030668	NW 1/4	6	19	19	146	No Till
G-002987	SW 1/4	6	19	20	129	No Till
G-074365	SE 1/4	6	19	21	122	Minimum Till
G-129257	NW of NW 1/4	6	19	21	137	No 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-031740	NW 1/4	6	19	24	140	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-086171	NE 1/4	6	19	27	74	Minimum Till
G-026085	SE 1/4	6	19	27	131	No Till
G-074863	SW 1/4	6	19	27	157	No Till
G-129577	SW 1/4	6	19	28	55	No Till
G-052078	SE 1/4	6	19	28	122	No Till
G-032452	NE 1/4	6	19	28	143	No Till
G-005392	NW 1/4	6	19	29	15	No Till
G-020391	SW 1/4	6	19	29	78	No Till
G-038040	NE 1/4	6	19	29	148	No Till
G-041182	SW 1/4	6	19	30	133	No Till
G-052273	SE 1/4	6	19	31	66	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	142	No Till
G-066511	SW 1/4	6	19	32	155	No Till
G-025703	SE 1/4	6	19	32	158	No Till
G-005987	NE 1/4	6	19	33	135	No Till
G-030448	NW 1/4	6	19	34	132	No Till
G-027136	NE 1/4	6	19	34	156	No Till
G-110137	SE 1/4	6	19	35	131	No Till
G-062535	NW 1/4	6	19	35	168	No Till

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G-101001	NE 1/4	6	19	36	73	Minimum Till
G-026244	NW 1/4	6	19	36	89	Minimum Till
G-024296	NW 1/4	6	19	36	101	Minimum Till
G-001127	NW 1/4	6	20	1	130	No Till
G-058356	NW 1/4	6	20	2	134	No Till
G-041329	NE 1/4	6	20	3	125	No Till
G-038009	NW 1/4	6	20	5	110	Minimum Till
G-072667	SW 1/4	6	20	5	141	No Till
G-074443	NW 1/4	6	20	7	87	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-074374	NW 1/4	6	20	8	132	No Till
G-028012	SW 1/4	6	20	8	143	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-073772	SE 1/4	6	20	14	108.8	No Till
G-043110	SW 1/4	6	20	15	68	No Till
G-028075	SE 1/4	6	20	15	71	No Till
G-026317	SE 1/4	6	20	17	97	No Till
G-025528	NW 1/4	6	20	19	70	No Till
G-074296	SE 1/4	6	20	19	73	No Till
G-034410	SW 1/4	6	20	19	140	Minimum Till
G-091279	SE 1/4	6	20	22	107	No Till
G-025593	NW 1/4	6	20	23	65	No Till
G-024524	SW 1/4	6	20	24	69	No Till
G-024727	SE 1/4	6	20	24	135	No Till
G-026281	SW 1/4	6	20	25	64	No Till
G-074444	SW 1/4	6	20	25	74	No Till
G-032795	SE 1/4	6	20	25	112	No Till
G-024994	NE 1/4	6	20	26	140	No Till
G-074785	NW 1/4	6	20	27	147	No Till
G-001239	SW 1/4	6	20	27	172	No Till
G-055770	NW 1/4	6	20	34	168	No Till
G-053759	NE 1/4	6	20	35	146	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	35	Minimum Till
G-031354	NE 1/4	6	21	1	103	Minimum Till

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G-049326	NW 1/4	6	21	2	76	No Till
G-065103	SE 1/4	6	21	2	135	Minimum Till
G-027616	SW 1/4	6	21	3	155.8	Minimum Till
G-029313	NE 1/4	6	21	10	115	Minimum Till
G-050066	NE 1/4	6	21	11	153	No Till
G-070857	SE 1/4	6	21	12	135	No Till
G-071299	lots 1, 2, 7 & 8	7	17	18	110	No Till
G-119196	NE 1/4	7	17	18	146	Minimum Till
G-074630	lots 3, 4, 5 & 6	7	17	18	150	Minimum Till
G-139528	NW 1/4	7	17	28	70	Minimum Till
G-028884	SW 1/4	7	17	29	142	No Till
G-039976	SE 1/4	7	17	30	100	No Till
G-013067	SE 1/4	7	17	31	59	Minimum Till
G-021595	NE 1/4	7	17	31	131	No Till
G-071289	NE 1/4	7	18	13	155	No Till
G-059557	NE 1/4	7	18	15	128	Minimum Till
G-057112	SE 1/4	7	18	15	140	No Till
G-137702	NE1/4	7	18	16	130	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	35	No Till
G-127903	NW of NE 1/4	7	18	18	126	Minimum Till
G-149618	SW 1/4	7	18	19	140	No Till
G-041826	SE 1/4	7	18	19	161	No Till
G-130665	SW of SW 1/4	7	18	20	135	No Till
G-131463	SE	7	18	21	156	No Till
G-022438	NE 1/4	7	18	22	105	No Till
G-056497	NW 1/4	7	18	22	145	No Till
G-026458	NE 1/4	7	18	23	155	No Till
G-037114	SE 1/4	7	18	24	161	No Till
G-022950	SW 1/4	7	18	26	68	No Till
G-028701	SE 1/4	7	18	26	75	No Till
G-040650	SE 1/4	7	18	27	146	No Till
G-084401	NW 1/4	7	18	27	150	Minimum Till
G-020280	SW 1/4	7	18	28	145	Minimum Till
A-005544	NW 1/4	7	18	28	150	No Till
G-002216	NE 1/4	7	18	28	151	No Till
G-132769	NW of SW 1/4	7	18	32	75	No Till
G-039497	NE 1/4	7	18	34	88	No Till
G-093751	SE 1/4	7	18	34	138	No Till
G-139527	NW1/4	7	18	35	77	No Till
G-018622	NE 1/4	7	18	35	130	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-023607	SW 1/4	7	18	35	144	Minimum Till
G-015124	SE 1/4	7	18	35	152	Minimum Till
G-061275	SW 1/4	7	18	36	153	Minimum Till
G-138416	NW 1/4	7	19	13	120	No Till
G-034763	SE 1/4	7	19	16	67.5	No Till
G-002482	SW 1/4	7	19	16	133	No Till
G-007043	NW 1/4	7	19	16	154	No Till
G-014735	NW 1/4	7	19	17	68	No Till
G-132341	NE of SE 1/4	7	19	17	135	No Till
G-126121	SE1/4	7	19	18	135	No Till
G-133385	SW of SW 1/4	7	19	18	144.02	Minimum Till
G-074549	NE 1/4	7	19	20	134	No Till
G-032611	SE 1/4	7	19	20	152	No Till
G-121515	NW of SE 1/4	7	19	21	70	No Till
G-038793	NW 1/4	7	19	21	71	No Till
G-013807	NE 1/4	7	19	21	92	No Till
G-020681	SW 1/4	7	19	21	155	No Till
G-033171	SW 1/4	7	19	22	124.5	Minimum 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-065097	NE 1/4	7	19	23	130	Minimum Till
G-071266	NW 1/4	7	19	24	75	No Till
G-132645	SW 1/4	7	19	25	108	No Till
G-038816	SE 1/4	7	19	26	130	No Till
G-000317	NE 1/4	7	19	27	67	Minimum Till
G-074261	NW 1/4	7	19	27	139	No Till
G-032922	NE 1/4	7	19	28	130	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-012652	SE 1/4	7	19	31	75	No Till
G-133088	SE of NE 1/4	7	19	32	125	No Till
G-023124	SW 1/4	7	19	32	139	No Till
G-131993	SW of SW 1/4	7	19	33	126	No Till
G-128172	SW of SW 1/4	7	19	34	38	No Till
G-064984	NE 1/4	7	19	34	135	No Till
G-032770	SW SW 1/4	7	19	35	118	No Till
G-065049	NW 1/4	7	19	36	67.5	No Till
G-127891	NW of SE 1/4	7	19	36	77	No Till
G-015524	SE 1/4	7	20	13	70	Minimum Till
G-023093	SW 1/4	7	20	13	140.93	Minimum Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-037931	NE 1/4	7	20	18	140	Minimum Till
G-133370	SW of SW 1/4	7	20	19	75	Minimum Till
G-131571	NE of SE 1/4	7	20	20	152	No Till
G-041512	NW 1/4	7	20	21	133	No Till
G-025483	SW 1/4	7	20	21	135	No Till
G-135943	NW of NE 1/4	7	20	23	125.38	Minimum Till
G-175946	SW 1/4	7	20	23	137.06	Minimum Till
G-028913	NW 1/4	7	20	24	63.73	Minimum Till
G-027010	SW 1/4	7	20	24	126.42	Minimum Till
G-130108	SE of SW 1/4	7	20	25	75	No Till
G-033288	NE 1/4	7	20	26	150	No Till
G-035840	NE 1/4	7	20	30	66	Minimum Till
G-067820	SW 1/4	7	20	30	141	Minimum Till
G-069253	SE 1/4	7	20	31	210	Minimum Till
A-005573	SW 1/4	7	20	31	210	Minimum Till
G-027484	NW 1/4	7	20	32	135	No Till
G-069613	NW 1/4	7	20	33	125	No Till
G-131271	SW of NW 1/4	7	20	34	80	No Till
G-037542	SW 1/4	7	20	34	164	No Till
G-039565	SE 1/4	7	20	36	140	No Till
G-021461	SE 1/4	7	21	23	29	No Till
G-070535	NE 1/4	7	21	24	116	Minimum Till
G-132819	SE of NW 1/4	7	21	24	154	No Till
G-012650	SW 1/4	7	21	25	67	No Till
G-016205	NE 1/4	7	21	26	134	Minimum Till
G-039594	SE 1/4	7	21	27	72	No Till
G-009227	SW 1/4	7	21	34	54	No Till
G-027227	NW 1/4	7	21	34	60	No Till
G-021159	SE 1/4	7	21	34	64	No Till
G-045821	NE 1/4	7	21	34	68	No Till
G-013356	SE 1/4	7	21	35	67	Minimum Till
G-074140	SW 1/4	7	21	35	134	No Till
G-043947	NE 1/4	7	21	35	135	Minimum Till
G-029565	SW 1/4	7	21	36	70	No Till
G-064932	SW 1/4	7	21	36	70	No Till
G-044165	NE 1/4	7	21	36	90	No Till
G-014933	SE 1/4	7	21	36	163	Minimum Till
G-061501	SE 1/4	7	21	36	163	Minimum Till
G-008211	SE 1/4	8	13	10	28	No Till
G-008209	SE 1/4	8	13	10	37	No Till



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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-017198	SW 1/4	8	13	13	64.7	No Till
G-015972	SE 1/4	8	13	13	72	No Till
A-005964B	NE 1/4	8	13	16	116	No Till
G-060270	SE 1/4	8	13	17	70	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-042426	NE 1/4	8	13	21	149.37	No Till
G-012428	NW 1/4	8	13	22	125	No Till
G-033694	NE 1/4	8	13	22	135	Minimum Till
G-043853	NE 1/4	8	13	24	127	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-098444	NE 1/4	8	15	21	30	No Till
G-035005	SE of NE 1/4	8	15	23	94	No Till
G-007631	SE 1/4	8	15	23	130	No Till
G-021299	SE 1/4	8	15	27	28	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-037028	SW 1/4	8	16	18	65	Minimum Till
G-058905	SW 1/4	8	16	19	40	Minimum Till
G-015835	NW 1/4	8	16	19	130	Minimum Till
G-035306	NE 1/4	8	16	19	190	Minimum Till
G-073932	NW 1/4	8	16	27	40	No Till
G-018182	NE 1/4	8	16	27	165	No Till
G-034321	SW 1/4	8	16	30	126	No Till
G-034320	SE 1/4	8	16	30	126	No Till
G-067833	SE 1/4	8	16	35	132	No Till
G-067832	SW 1/4	8	16	35	132	No Till
G-069383	NW 1/4	8	16	36	132	No Till
G-069382	NE 1/4	8	16	36	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-104054	pt of lots 2, 3, 4, 5, 6 & 7	8	17	18	110	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

**Tri-Basin NRD Platte Basin No Till Acres - 2016 Platte Basin Annual Report  
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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-034898	lots 9, 10, 15 & 16	8	17	19	149	No Till
G-153081	NW 1/4	8	17	23	65	Minimum Till
G-044409	SW 1/4	8	17	23	135	Minimum Till
G-021124	SW 1/4	8	17	24	35	Minimum Till
G-018587	SW 1/4	8	17	24	135	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	No Till
G-088499	NE 1/4	8	17	33	130	No Till
G-055521	NW 1/4	8	17	34	136.8	Minimum Till
G-069018	SW 1/4	8	17	35	133	No Till
G-063815	NE 1/4	8	17	35	133	No Till
G-069017	NW 1/4	8	17	35	133	No Till
G-062791	SE 1/4	8	17	35	133	No Till
G-063395	NE 1/4	8	17	36	130	No Till
G-048991	NW 1/4	8	17	36	132	No Till
G-137937	SW 1/4	8	17	36	132	No Till
G-077075	SE 1/4	8	18	13	152	Minimum Till
G-003138	NE 1/4	8	18	14	35.9	Minimum Till
G-010206	SE 1/4	8	18	14	38	Minimum Till
G-010205	SW 1/4	8	18	14	46.8	Minimum Till
G-093786	NE 1/4	8	18	15	40	No Till
G-011644	SW 1/4	8	18	15	180	No Till
G-011646	SW 1/4	8	18	15	180	No Till
G-028377	SW 1/4	8	18	16	16	No Till
G-015772	SW 1/4	8	18	16	100	No Till
G-045450	NE 1/4	8	18	22	135	No Till
G-052500	NW 1/4	8	18	23	130	No Till
G-032874	NE 1/4	8	18	24	20	Minimum Till
G-041258	NE 1/4	8	18	24	154	Minimum Till
G-058321	SW 1/4	8	18	26	130	No Till
G-067875	NW 1/4	8	18	27	130	No Till
G-056949	SE 1/4	8	18	27	130	No Till

**CNPPID Groundwater Recharge Diversions Summary**  
**2016 Platte Basin Annual Report**  
**Appendix D**

Dates of Recharge Diversions	Elwood Reservoir			E65 Canal			PHELPS Canal			Funds				
	AF, in	\$/af	\$/other Notes	AF, in	\$/af	\$/other Notes	AF, in	\$/af	\$/other Notes	Total \$	PRRIP	NDNR	TBNRD	NGPC
1/24/2006 to 2/13/2006	6131		gravity. Appears to be no charges							NA		\$		
8/8/2006 to 2/13/2006	627		gravity. Appears to be no charges							NA		\$		
12/22/2006 to 12/31/2006	2793		gravity, JO costs. NGPC was billed for 50% of the JO costs							\$ 16,752.44		\$		\$ 16,752.44
5/30/2007 to 6/25/2007	7261		gravity, JO costs							\$ 57,819.51		\$		\$ 57,819.51
7/9/2007 to 7/11/2007	419		gravity, Not billed							NA		\$		
7/31/2007 to 8/8/2007	2271		gravity, JO Costs							\$ 17,686.39		\$		\$ 17,686.39
5/23/2008 to 6/11/2008	6963		4240 af gravity, 2543 pumped, \$ pump & hydro							\$ 66,568.32		\$	\$ 33,284.16	\$ 33,284.16
7/18/2008 to 7/21/2008	1168		pumped, Spump & hydro							\$ 12,878.02		\$	\$	\$ 6,439.01
8/10/2008 to 8/19/2008	1193		gravity, \$ for hydro offset							\$ 10,498.40		\$	\$	\$ 5,249.20
6/21/2009 to 8/21/2009	2906		diversions stopped once irr decision was made							\$ 25,572.80		\$	\$	\$ 12,786.40
9/28/2011 to 1/5/2012				5538.16	25					\$ 138,954.00	\$ 69,477.00	\$ 41,686.20	\$ 27,790.80	
12/4/2012 to 3/11/2013				4088	25					\$ 102,200.00	\$ 102,200.00	\$	\$	
9/19/2013 to 10/31/2013	12385	35	Pumped							\$ 433,475.00		\$ 260,085.00	\$ 173,390.00	
				2615	35	Canal to MP 23.7-3.2, Cottonwood WPA, and 36.25				\$ 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	\$	\$	
										NA	\$	\$	\$	
6/10/2014 to 7/7/2014	13237	39	Pumped, 15,000 af contract with amendment							\$ 516,243.00		\$ 258,121.50	\$ 258,121.50	
11/26/2014 to 11/30/2014	1763	39	Pumped, finished contract 11-26 to 11-30							\$ 68,757.00		\$ 34,378.50	\$ 34,378.50	
				37	NA	Not billed but pumped into Elwood				NA	\$	\$	\$	
										NA	\$	\$	\$	
12/9/2014 to 12/27/2014	8809.2	41	Pumped, 5000 af contract + 5000 af amendment							\$ 340,677.20		\$ 170,338.60	\$ 170,338.60	
11/26/2014 to 12/31/2014				567.1	38	down to MP 20.1				\$ 21,549.90		\$ 10,774.90	\$ 10,774.90	
							2345.9	27		\$ 63,399.30	\$ 31,669.65	\$	\$	
1/1/2015 to 2/14/2015										\$ 46,447.13	\$ 23,223.56	\$ 23,223.56	\$	
							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	Finished out 10,000 af contract, pumped							\$ 43,868.03		\$ 21,934.02	\$ 21,934.02	
										\$ 3,750.45		\$ 1,875.22	\$ 1,875.22	
				94.9	39.52	in Canal to MP 5.9				\$	\$	\$	\$	
5/11/2015 to 8/24/2015	6800	42.64	For NDNR/TBNRD, finished out Amendments No 1 thru No 4 (Total 17,000 AF)							\$ 289,952.00		\$ 144,976.00	\$ 144,976.00	
										\$ 7,904.00		\$ 3,952.00	\$ 3,952.00	
										\$ 384,058.48	\$ 384,058.48	\$	\$	
11/23/2015 to 12/18/2015	3227	42.64	For NDNR/TBNRD, 11-16-15 Agreement for 4500 af total Canal and Elwood							\$ 137,599.28		\$ 68,799.64	\$ 68,799.64	
				1273	39.52	For NDNR/TBNRD, 11-16-15 Agreement for 4500 af total Canal and Elwood				\$ 50,308.96		\$ 25,154.48	\$ 25,154.48	
										\$ 246,288.64	\$ 246,288.64	\$	\$	
11/16/2015 to 12/31/2015	5776	42.64	For PRRIP, May 2015 Agreement and Amendment No. 1							\$ 20,989.80		\$ 20,989.80	\$	
							747.5	28.08		\$		\$	\$	
11/16/2015 to 12/31/2015										\$ 62,969.40	\$ 62,969.40	\$	\$	
9/15/2016 to 12/31/2016	5760	44.35					4321.9	29.20		\$ 126,197.32	\$ 94,647.99	\$ 31,549.33	\$	
12/9/2016 to 12/31/2016										\$ 255,452.40	\$ 127,726.20	\$ 75,535.72	\$ 51,090.48	
12/10/2016 to 12/31/2016				839.7	41.10					\$ 34,512.00	\$ 20,707.20	\$ 13,804.80	\$	

**North Dry Creek Augmentation Pumping - 2016 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
2016					8828.40	9275.33	446.93	643.62	1200	12135937	17476857	Augmentation Well Off

**North Dry Creek Augmentation Pumping - 2016 Platte Basin Annual Report**  
**Appendix E**

<b>Augmentation Production Well #2</b>												
SESE 5-7N-16W G-173880												
NAD 83	Lat: N40 35' 52.60"	Surface Elev: 2182.95	Well Depth=103'	Bore Hole: '	8" Column Pipe: 0'-60'							Comments
	Long: W99 08' 34.80"		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
11/3/14		17.07	0.88	16.19	2166.76	0.00	0.00	0.00	0	0	0	0
11/13/15			0.88			51.34	54.84	3.50	54.84	880	95039	1489125.36
8/23/2016						69.84	247.49	177.65	192.65	900	4823908	5231218