



The Platte River near Fort Kearny, June 2017

2017 Annual Report of Integrated Water Management Activities in the Platte Basin Within Tri-Basin NRD



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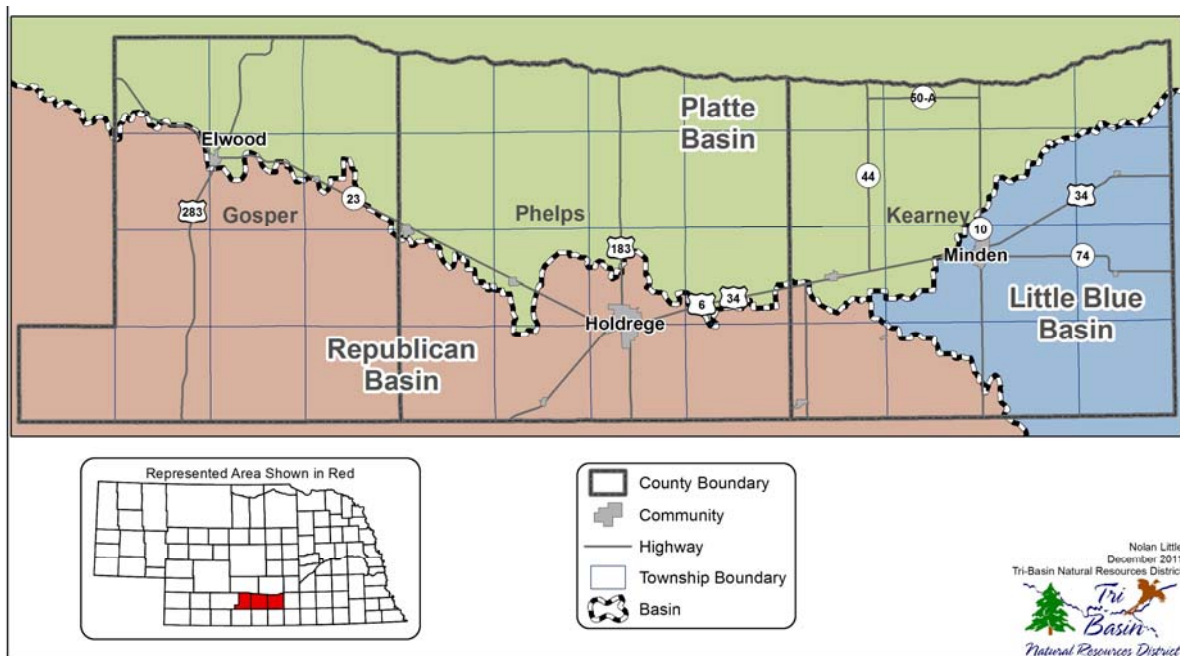
June 2018

**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 2018 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, 2017, of 298,595.55 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.

TABLE 1: Platte Basin Certified Irrigated Acres			
	Year	Acres Certified	Co-mingled Acres
Gosper County	2010	35,755.63	
	2011	35,755.64	10,804.80
	2012	35,737.43	10,581.80
	2013	35,696.95	10,397.80
	2014	35,800.39	10,395.25
	2015	35,655.82	10,554.56
	2016	35,658.57	10,469.07
	2017	35,651.20	10,473.49
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
	2017	167,384.10	78,136.85
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
	2017	95,560.25	23,312.60
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
	2017	298,595.55	111,922.94

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.

TABLE 2A: Platte Basin Transfers-Acres at Original Locations		
NRD Permit Number	Legal Description	Acres Dried Up
TBAT-0313	W 1/2 Section 3-6- 19	6
TBAT-0314	Lot 1; pt Lot 2 Section 17-8- 16	19.77
TBAT-0317	pts SE 1/4 Section 23-8- 14	10.42
TBAT-0318	SW 1/4 Section 34-8- 17	15
TBAT-0319	NW 1/4 Section 32-7- 16	4.5
TBAT-0321	SE 1/4 Section 12-6- 18	12
TBAT-0323	Pt SW 1/4 Section 19-8- 16	26.64
TBAT-0326	S 1/2 NE 1/4 Section 12-7- 15	9
TBAT-0327	NW NW 1/4 Section 11-7- 14	21.5
TBAT-0328	NW NW 1/4 Section 11-7- 14	16.02
TBAT-0329	S 1/2 SE 1/4 Section 18-8- 19	4
TBAT-0330	S 1/2 SE 1/4 Section 18-8- 19	3
TBAT-0331	SW 1/4 Section 23-7- 16	8

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, 2017 and December 31, 2017 the district approved 13 certified irrigated acre transfers in the Platte Basin. A total of 155.85 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).

TABLE 2B: Platte Basin Transfers- Acres at New Locations		
NRD Permit Number	Legal Description	New Irrigated
TBAT-0313	NE 1/4 Section 4-6- 19	6
TBAT-0314	SE 1/4 Section 24-8- 17	19.77
TBAT-0317	Pt NW; & SW 1/4 Section 12-7- 17	10.42
TBAT-0318	Pt NW; & SW 1/4 Section 12-7- 17	15
TBAT-0319	NW 1/4 Section 22-7- 16	4.5
TBAT-0321	Lots 11-14 Section 31-7- 17	7.28
TBAT-0323	Pt NW 1/4 Section 8-7- 16	26.64
TBAT-0326	S 1/2 N 1/2 Section 6-7- 14	9
TBAT-0327	SE 1/4 Section 7-7- 14	21.5
TBAT-0328	NE 1/4 Section 2-6- 15	16.02
TBAT-0329	N 1/2 NE 1/4; NW 1/4 Section 27-7- 19	4
TBAT-0330	E 1/2 NE 1/4 Section 19-7- 19	3
TBAT-0331	NW 1/4 Section 31-7- 16	8

- 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. No permanent groundwater transfer permits were issued in the Platte Basin between January 1, 2017 and December 31, 2017. 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 2017.

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.

TABLE 3: TBNRD Well Permits	
Well Permit Type	Permits
New (variance) irrigation	0
Replacement irrigation	9
Conditional replacement irrigation - supplemental to groundwater	0
Conditional replacement irrigation - supplemental to surface water	0
Dewatering (streamflow augmentation)	0
New commercial/industrial	0
Domestic (over 50 gpm)	0

B. **TABLE 3: TBNRD Well Permits** (above) is a breakdown of well permits that TBNRD issued in the Platte Basin between January 1, 2017 and December 31, 2017. A detailed listing of well permits issued by TBNRD in 2017 is found in **TABLE 4: Well Permit Summary** (below).

TABLE 4: Well Permit Summary				
Permit Number	Well Permit Type	Legal Description	NDNR Reg. Number	Well ID Number
TBRP-G035001-R1	Replacement	Section 28-7- 16	G-035001	246956
TBRP-G013649-R2	Replacement	Section 31-7- 19	G-013649	247572
TBRP-G033024-R1	Replacement	Section 7-7- 17	G-033024	247037
TBRP-G023082-R1	Replacement	Section 13-6- 20	G-023082	247403
TBRP-A005727-R1	Replacement	Section 30-7- 19	A-005727	247613
TBRP-G009416-R1	Replacement	Section 14-7- 16	G-009416	NDY
TBRP-G049360-R1	Replacement	Section 30-8- 13	G-049360	247870
TBRP-G034164-R1	Replacement	Section 9-7- 18	G-034164	248040
TBRP-G022362-R1	Replacement	Section 11-8- 20	G-022362	NDY
*NDY - Not drilled yet				

VI. VARIANCES

TBNRD issues new well permits to landowners of parcels that don't have a prior irrigation history only after they have transferred sufficient certified irrigated acres for the intended new use. The TBNRD Board must approve a variance to the rule prohibiting new well construction before new well permits can be issued. No new irrigation well construction permit variances were issued in the Platte Basin between January 1, 2017 and December 31, 2017.

Tri-Basin NRD corrected the district's certified acre database by certifying 19.15 acres in a parcel 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 reduc-

tions 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 5: Platte Basin Certified Irrigated Acre Variances** (below). One approved well variance allowed an irrigation well to be modified to a livestock well. Tri-Basin NRD rule 10.2.2.3 allows landowners to offset depletive impacts of new or expanded livestock operations by converting consumption from certified irrigated acres to livestock use. In 2017 a Kearney County landowner converted 104.5 certified irrigated acres to 10,000 head cattle feedlot capacity.

TABLE 5: Platte Basin Certified Irrigated Acre Variances			
Date Approved	Type of Variance	Legal Description	Affected Acres
1/10/2017	Certified Acre Correction	Lot 1 in N 1/2 of NE 1/4 Section 13-8- 14	19.15
5/9/2017	Variance on Well Abandonment - modification on well to stock well	Pt SW 1/4 Section 19-8- 16	
Not Required	Livestock conversion - [104.5 certified irrigated acres converted for 10,000 livestock operation]	S 1/2 N 1/2 Section 6-7-14	104.5

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 2017 is shown in the next two tables. A summary of Municipal Water Use may be found in **TABLE 6: Platte Basin Municipal Water Use Data** (pages 9 and 10). **TABLE 7** (page 11) 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 2017 landowners reported data from 439 flowmeters in the Platte Basin. The metered wells reported irrigating 53,277.88 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.

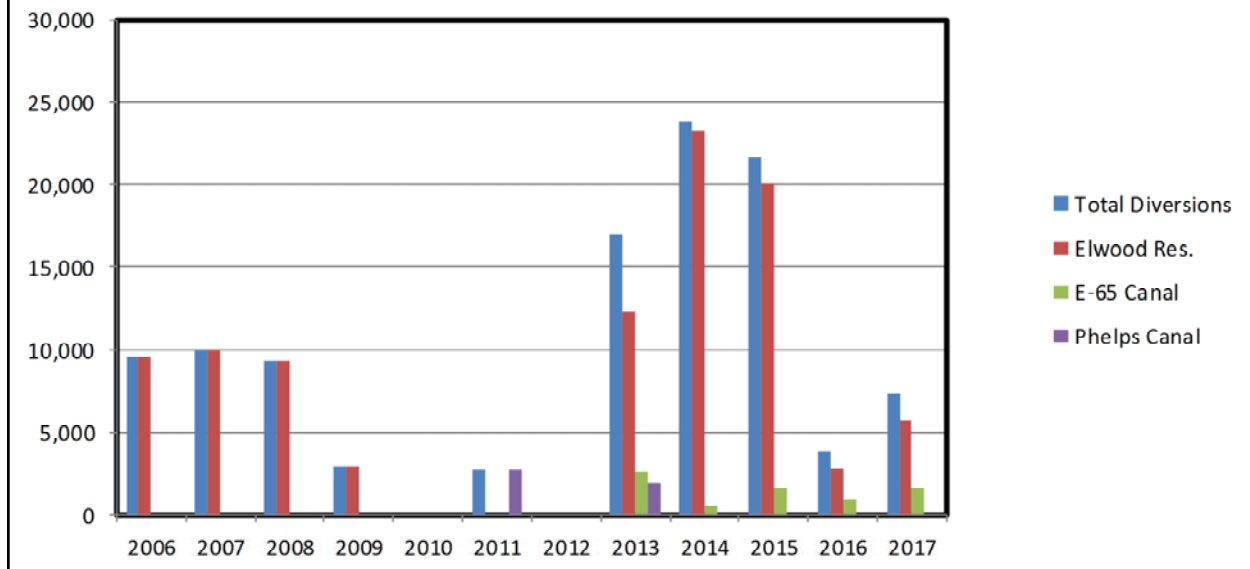
IX. WATER BANKING ACTIVITIES

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 #1, page 7) have been made regularly over the past eleven years, including 2017, when NDNR and TBNRD paid CNPPID \$377,085.50 to divert 18,912.2 acre-feet into Elwood Reservoir and E-65 Canal. Diversions in 2017, when added to past diversions, result in a grand total of 108,145.4 acre-feet of water diverted from 2006-2017. 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.

Graph #1: Groundwater Recharge Diversions by CNPPID for TBNRD and DNR



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. A second well was installed in 2015. The wells can each 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 8). 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 255.67 acre-feet of water pumped into the Platte River near Kearney in 2017 through a wastewater pipeline from the KAAPA ethanol plant near Axtell. This pipeline was constructed in 2007.

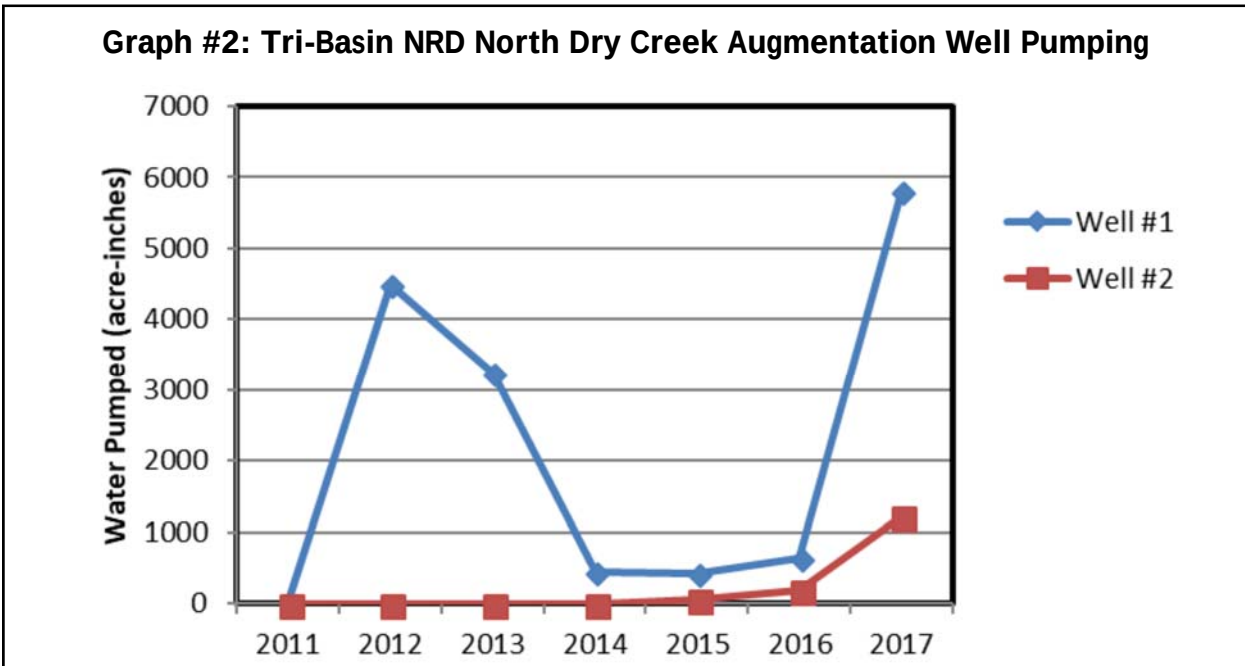
Irrigated land was temporarily retired in TBNRD during 2017 through two contracts totaling 11.3 irrigated acres that were signed up for USDA-EQIP Dry land Corners.

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 69,507.52 certified irrigated acres in the Platte Basin portion of the district during 2017 (see Appendix C). It is estimated that no-till or minimum tillage practices have been adopted on at least 85,000 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 17,000 acre-feet of water was conserved in the Platte Basin in TBNRD in 2017 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 has been provided under this agreement since that time, but the agreement remains in effect until 2033.



XI. GROUNDWATER LEVELS

TBNRD has an extensive network of 121 dedicated groundwater observation wells (64 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 204 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.

TABLE 6: Platte Basin Municipal Water Use Data														
	Year	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Yearly Total
Axtell	2010	2,261,300	2,690,700	3,757,400	3,336,000	3,351,500	3,895,700	10,452,300	9,737,500	8,899,200	7,871,700	3,800,700	4,441,500	64,495,500
Pop. 726	2011	3,708,500	3,301,900	3,649,000	3,742,000	5,305,600	7,600,700	11,452,600	8,907,600	7,459,200	5,677,900	3,018,200	3,111,100	66,934,300
(2010 census)	2012	3,124,800	3,104,600	4,241,500	5,751,800	11,685,400	14,211,000	22,110,800	12,040,400	12,675,900	5,713,700	3,274,500	2,878,000	100,812,400
	2013	2,923,900	2,395,100	2,530,000	3,195,600	8,260,800	11,960,000	19,418,700	11,170,400	9,955,100	5,558,900	2,753,300	2,495,500	82,617,300
	2014	2,653,500	2,359,000	2,740,400	3,836,900	7,461,100	7,534,900	12,794,400	8,925,000	5,467,700	5,640,300	2,475,500	2,180,300	64,069,000
	2015	2,282,900	2,027,700	4,393,300	4,318,200	4,664,300	5,876,500	12,441,200	10,301,700	10,976,400	7,525,900	4,008,900	2,699,700	71,516,700
	2016	2,379,000	2,755,600	3,040,700	4,168,700	3,985,900	13,891,900	14,882,100	11,692,100	9,021,300	7,816,500	3,537,100	2,310,600	79,481,500
	2017	2,288,000	1,988,100	2,493,500	3,609,100	4,904,500	14,414,100	14,784,100	7,672,900	10,143,900	3,942,000	2,797,400	2,430,100	71,467,700
Bertrand	2010	4,380,000	3,998,000	3,383,000	3,837,000	5,147,000	6,153,000	11,853,000	12,170,000	11,097,000	9,986,000	4,532,000	3,748,000	80,284,000
Pop. 750	2011	4,234,000	3,655,000	3,876,000	4,307,000	7,316,900	9,301,200	15,651,200	12,540,800	9,397,600	7,050,000	3,945,000	4,152,000	85,426,700
(2010 census)	2012	3,575,000	3,348,000	3,846,000	6,122,000	13,410,700	17,711,000	27,282,900	14,707,500	15,511,100	8,976,000	5,261,000	3,970,000	123,721,200
	2013	4,002,000	3,571,000	3,533,000	3,858,000	10,671,200	15,688,200	23,473,500	17,540,600	14,850,200	6,406,000	3,852,000	4,288,000	111,733,700
	2014	4,422,000	3,817,000	4,069,000	4,949,000	11,419,500	8,539,000	16,089,200	11,456,000	7,427,000	8,972,000	4,710,000	4,114,000	89,983,700
	2015	4,294,000	3,807,000	6,038,000	8,605,000	8,294,500	9,873,100	21,287,600	15,234,800	15,246,600	9,881,500	4,519,000	3,981,000	111,062,100
	2016	4,467,000	4,003,000	4,548,000	8,925,400	6,381,000	14,827,300	14,993,000	15,371,700	11,076,700	11,481,000	7,061,000	5,398,000	108,533,100
	2017	5,477,000	4,266,000	4,763,000	8,036,000	6,728,100	19,708,400	17,701,100	10,483,000	13,751,700	6,601,200	4,552,000	5,166,000	107,233,500
Elwood	2010	2,654,000	4,454,000	4,132,000	5,162,000	6,407,000	7,509,000	12,253,300	12,469,000	12,818,000	10,493,000	5,631,000	4,269,600	88,251,900
Pop. 707	2011	4,490,000	3,277,000	4,745,000	4,930,200	7,990,000	10,787,000	9,682,800	17,946,300	7,851,600	8,301,000	5,195,900	3,483,000	88,679,800
(2010 census)	2012	4,278,000	3,324,500	5,774,700	4,184,000	16,881,600	22,944,600	30,825,300	20,347,800	15,277,100	9,352,300	4,511,400	4,061,900	141,763,200
	2013	5,223,600	4,535,500	5,299,500	6,824,000	4,795,500	14,776,000	28,116,000	17,587,000	13,151,900	5,936,800	4,311,200	3,800,900	114,357,900
	2014	3,729,600	4,188,000	4,915,000	4,968,000	12,601,700	10,104,800	20,316,600	15,146,100	9,033,400	6,043,600	3,827,000	4,682,500	99,556,300
	2015	3,067,700	3,531,000	6,951,100	5,160,200	6,668,600	10,586,900	19,270,800	11,772,800	10,001,500	6,784,900	3,373,000	3,468,000	90,636,500
	2016	3,467,900	3,235,000	3,817,300	5,768,000	5,770,000	14,979,700	13,372,200	15,078,400	9,390,000	11,215,400	3,825,000	4,302,000	94,220,900
	2017	4,283,600	4,994,000	4,074,900	6,153,800	12,262,600	12,577,800	17,753,700	10,229,900	12,605,600	4,944,800	3,536,900	3,677,000	97,094,600
(Continued on next page)														

TABLE 6: Platte Basin Municipal Water Use Data (continued)

	Year	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Yearly Total
Funk	2010	1,707,668	1,707,667	1,707,667	1,707,667	1,707,667	1,707,667	2,482,000	2,455,000	2,035,000	2,061,000	1,578,000	1,321,000	22,178,001
Pop. 194	2011	1,530,000	1,241,000	1,410,000	1,510,000	2,081,000	2,666,000	2,833,000	2,656,000	2,614,000	1,732,000	1,500,000	1,630,000	23,403,000
(2010 census)	2012	1,889,000	1,549,000	1,106,000	1,053,000	2,432,000	4,285,000	3,508,000	2,773,000	3,043,000	1,990,000	1,251,000	1,152,000	26,031,000
	2013	1,163,000	1,029,000	1,119,000	1,215,000	1,830,000	2,727,000	4,608,000	3,154,000	2,247,000	1,123,000	780,000	748,000	21,743,000
	2014	758,000	694,000	725,000	796,000	2,346,000	1,669,000	3,132,000	2,394,000	1,443,000	1,045,000	809,000	760,000	16,571,000
	2015	737,000	726,000	1,004,000	1,279,000	1,347,000	1,580,000	3,150,000	1,443,000	3,291,000	1,535,000	717,000	1,047,000	17,856,000
	2016	1,239,000	1,121,000	1,368,000	1,195,000	908,000	3,739,000	3,584,000	3,240,000	1,375,000	1,176,000	615,000	539,000	20,099,000
	2017	581,000	503,000	592,000	608,000	795,000	1,998,000	3,786,700	1,670,300	2,294,000	1,080,000	912,100	1,296,000	16,116,100
Loomis	2010	1,589,000	3,217,000	3,815,000	1,887,000	2,604,000	2,384,000	5,508,000	6,722,000	5,741,000	5,521,000	1,928,000	1,607,000	42,523,000
Pop. 382	2011	1,287,000	2,080,000	1,254,000	1,953,000	3,231,000	4,369,000	5,352,000	6,655,000	6,671,000	3,976,000	2,551,000	1,304,000	40,683,000
(2010 census)	2012	1,709,000	1,033,000	1,553,000	2,428,000	7,072,000	10,692,000	15,290,000	7,847,000	8,014,000	4,510,000	1,855,000	984,000	62,987,000
	2013	1,254,000	783,000	1,124,000	1,534,000	5,182,000	7,094,000	11,508,000	7,579,000	7,236,000	2,221,000	1,393,000	1,298,000	48,206,000
	2014	1,223,000	1,150,000	1,341,000	1,952,000	5,636,000	4,465,000	8,702,000	5,563,000	2,847,000	2,970,000	1,437,000	1,289,000	38,575,000
	2015	1,163,000	1,177,000	2,116,000	4,199,000	2,763,000	5,302,000	8,388,000	6,377,000	6,215,000	3,215,000	1,382,000	1,113,000	43,410,000
	2016	1,066,000	1,119,000	1,362,000	2,828,000	1,952,000	7,843,000	6,982,000	7,775,000	5,093,000	4,769,000	1,995,000	1,254,000	44,038,000
	2017	1,522,000	823,000	1,835,000	3,033,000	3,124,000	9,538,000	9,616,000	2,699,000	6,351,000	2,228,000	1,401,000	653,000	42,823,000
Smithfield	2010	69,700	192,000	231,200	107,500	135,900	335,000	407,700	734,700	465,900	237,200	184,300	238,700	3,339,800
Pop. 54	2011	232,300	332,000	553,600	555,200	420,600	270,100	440,600	801,200	602,000	321,000	234,300	202,800	4,965,700
(2010 census)	2012	311,700	169,600	212,300	145,100	611,300	959,500	959,700	650,100	620,700	332,900	290,900	112,800	5,376,600
	2013	167,700	158,400	106,400	269,100	373,800	690,600	555,300	601,500	350,200	211,600	181,400	195,000	3,861,000
	2014													3,808,100
	2015													3,447,200
	2016	178,100	79,200	93,100	182,300	210,600	189,900	1,028,800	1,173,700	386,200	290,500	164,400	180,700	4,157,500
	2017	121,600	151,200	127,700	128,900	236,000	489,300	725,400	267,900	375,100	168,400	162,000	99,600	3,053,100

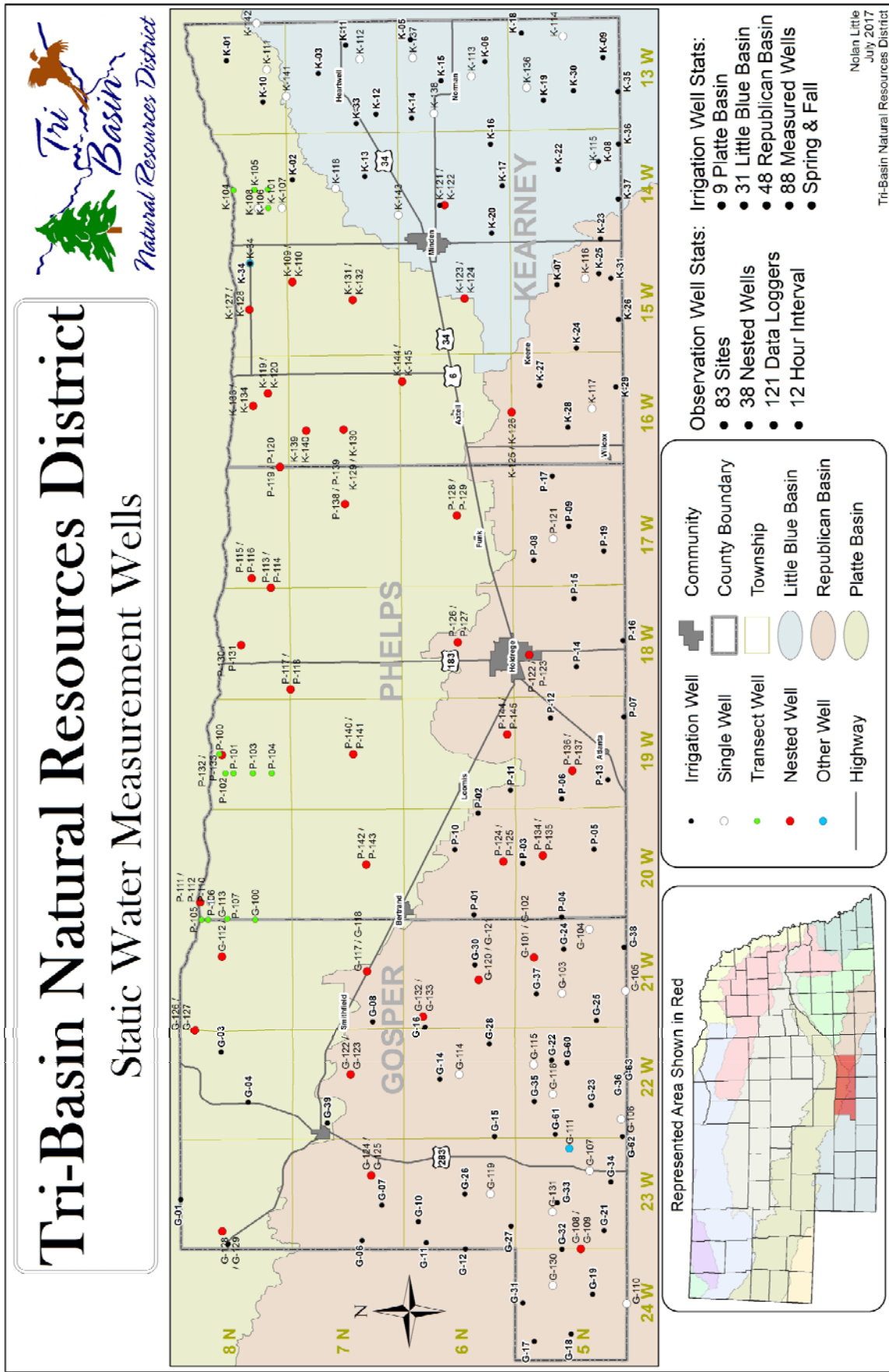
*2014 Smithfield monthly data unavailable. Papers fell into water; all they are able to provide is beginning and ending reading for the year.

*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.

TABLE 7: Platte Basin Industrial and Commercial Water Use Data				
NDNR Reg. Number	Well ID Number	Owner	Legal Description	Gallons Pumped
G-177982	239716	Olsen Cattle Co LLC	Section 5-6- 15	3,879,000
G-123753-R1	194279	KAAPA Ethanol, LLC	Section 13-6-16	111,391,000
G-123754-R2	210900	KAPPA Ethonal, LLC	Section 13-6-16	411,100
G-124061	152898	KAAPA Ethanol, LLC	Section 13-6-16	5,071,000
G-134413-R1	194280	KAAPA Ethanol, LLC	Section 13-6-16	5,780,400
G-181488	243777	KAAPA Ethanol LLC	Section 13-6-16	163,350,000
G-071961	80123	Mosaic	Section 15-6-16	44,500
G-071962	80124	Mosaic	Section 15-6-16	25,000
G-073875	82215	Village of Bertrand	Section 6-6-20	18,097,300
G-165728	219082	Fort Kearny Consolidated	Section 5-7- 14	22,300,700
G-165729	219083	Fort Kearny Consolidated	Section 5-7- 14	22,224,400
G-139944	171644	Fort Kearny Consolidated	Section 6-7-14	0
G-116982	141058	KGLD, LLC	Section 11-7-16	65,399,264
G-177447	238330	Loomis Pork LLC	Section 19-7-19	427,900
G-147025	188561	Paul Johnson & Sons	Section 10-7-20	3,671,330
G-095842	112013	Aurora Co-Op	Section 19-7-20	926,000
G-093253	106683	Dan & Steve Wolfe	Section 28-8-16	1,300,000
G-093254	106684	Dan & Steve Wolfe	Section 28-8-16	1,300,000
G-087812	99723	Rusty's Fertilizer Inc	Section 21-8-18	1,051,200
G-073205	81395	Rockford G Plettner	Section 4-8-21	114,920,000
G-080853	89509	Nebraska Public Power District	Section 4-8-21	
G-156977	199850	Central Nebraska Public Power & Irrigation District	Section 7-8-21	357,631,213
G-092923	102854	Central Nebraska Public Power & Irrigation District	Section 4-8-22	92,957,645
G-122576	151178	Bullhead Point Association	Section 5-8-22	6,739,100
G-076515	85080	Lakeside Country Club	Section 8-8-22	24,444,000
G-076780-R1	124121	Lakeside Country Club	Section 8-8-22	28,518,000

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
2017 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-133235	158379	117.0	23,700	Supplemental Well Used Little, Mostly Surface Water Only in 2017
G-134206	166528	123.5	2,394,700	Supplemental Well.
G-135950	161750	136.0	3,985,800	
G-137967	166808	292.0	9,140,900	Supplemental Well.
G-141860	177863	93.3	10,964,234	
G-041978-R1	222393	240.0	14,827,441	Supplemental Well.
G-174251	230397	100.0	19,768,383	
G-039663-R1	199851	95.0	19,816,100	
G-000559	3859	97.0	24,855,800	
G-046380	53760	135.0	30,299,248	
G-127496	153919	127.0	34,668,300	
G-021193	27482	124.0	35,718,643	
G-087842	99647	143.0	41,553,700	
G-031354	38311	139.0	49,751,000	
G-034607-R1	95424	191.0	55,324,102	
G-043639	50973	151.0	59,266,320	
G-050941	58466	17.0	6,340,187	
G-030265	37128	50.0	13,453,177	
G-177578	239253	21.4	16,873,224	
G-148702	189813	94.0	41,677,859	
G-116906	141679	75.0	43,290,000	Estimate provided by producer.
G-003468	7201	77.0	52,008,000	Producer reported 6090 as ending reading. We assumed 2 zeros should be added to get 6 digits in the reading.
G-131440	156871	124.0	1,942,800	Supplemental Well.
G-142566	178584	127.0	2,844,300	Supplemental well. Producer reported different beginning reading because meter runs backwards during surface water use. Beginning reading for 2018 will be 79298
G-147124	182953	150.0	4,973,900	Supplemental Well.
G-001498	4954	245.6	31,128,400	Alfalfa & field peas. Total use from both meters is 4.7 inches.
G-044918	52271	156.4	5,376,220	Partially hailed out. Operator thinks use was closer to 3 inches. Double check confirmed reading. Will watch for 2018 season and see if meter is working.
G-167700	222753	150.0	5,526,100	Supplemental Well.
G-036585	43719	44.9	12,452,281	8.9 grass
G-040839	48087	118.0	14,496,434	
G-043947	51286	137.0	15,713,700	
G-061501-R1	221352	152.0	17,494,900	Hailed - Didn't water after late July
G-063877	71796	91.0	21,089,600	
G-016206	21928	137.0	21,888,800	20 acres alfalfa
G-041350	48611	127.0	23,089,046	
G-056004	63618	102.5	26,613,800	
G-039054	46251	119.0	31,858,973	
G-173699	230989	171.0	32,320,048	
G-134113	166449	111.0	32,803,800	
G-023266	29683	149.0	34,073,600	

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

DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-066404	74421	130.0	35,724,074	
A-006862	1917	148.0	44,093,900	
G-039106	46304	128.0	44,833,900	
G-057427-R1	222051	187.0	55,321,000	
G-034024	41062	85.0	15,445,000	
G-172642	226828	137.0	5,696,366	Supplemental Well.
G-135192	167715	135.0	8,847,900	
G-165597	218166	75.0	12,610,589	
G-139271	170679	120.0	13,773,500	
G-132241	165009	128.0	15,820,200	
G-133421	161383	101.0	20,675,327	
G-165055	220042	148.0	23,530,027	Supplemental Well
G-074256	82601	73.0	23,727,500	
G-043275-R1	50593	137.0	25,198,368	
G-000273-R1	98237	127.0	26,670,930	
G-133352	162136	135.0	27,255,555	
G-012318	17473	137.0	28,688,000	
G-137329	169841	134.3	28,956,150	
G-137402	170172	145.0	32,772,162	
G-037482	44633	145.0	32,835,159	
G-132531	161571	140.0	32,916,078	
G-001705	5190	140.0	38,358,011	
G-024787-R1	97572	150.0	43,624,530	
G-164032	219279	155.0	47,655,270	
G-014026	19432	146.0	53,822,600	
G-031102	38030	147.0	55,547,000	
G-134879	162601	65.0	1,925,000	Supplemental Well.
G-072681	80869	20.0	2,905,900	
G-135193	167716	65.0	4,331,100	
G-130954	162385	10.0	4,852,200	
G-024459-R1	97819	75.0	8,160,000	Estimate from hours - 160 hours
G-142036	170682	59.0	10,222,900	
G-074392	82739	76.1	14,256,600	
G-141518	173834	65.0	15,649,600	
G-167889	222616	76.0	16,604,671	
G-161031	214156	30.0	22,347,742	
G-133929	164406	75.0	22,828,300	
G-165537	215283	48.0	23,542,518	
G-064756	72722	77.2	25,648,000	
G-175697	235514	75.0	36,902,286	
G-134230	166010	130.5	40,813,700	
G-016633	22408	75.0	43,423,800	

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-130058	154894	98.0	55,665,156	
G-071179	79340	120.0	59,025,000	
G-132529	161379	141.5	6,300	Supplemental Well Not Used - Surface Water Only in 2017
G-134186	166699	75.0	308,469	Supplemental Well.
G-131925	162127	133.0	2,426,200	Supplemental Well.
G-175830	235770	35.0	6,772,751	
G-161519	208462	67.0	8,220,600	
G-150891	187697	129.0	8,491,200	
G-064272	72215	33.8	8,645,900	Missing ending reading. Water Use Report not required, but producer has provided data in past years.
G-167012	221958	31.8	8,698,784	sorghum
G-133426	165471	65.0	9,034,400	
G-009596	14319	71.6	10,909,500	
G-176401	236745	15.0	11,394,633	popcorn
G-149890	191025	87.0	12,324,657	47 acres irrigated grass
G-162926	216452	74.5	12,933,721	
G-071177-R1	225427	133.0	13,279,935	
G-136691	165017	135.0	13,512,200	Supplemental Well.
G-067478	75541	65.0	13,837,406	
G-023268-R1	241542	62.0	15,450,626	
G-169866	224583	88.0	16,478,947	Irrigated pasture.
G-134132	162139	67.0	16,719,000	Estimate. Ending reading 443447 does not work
G-064069	71993	65.3	16,747,900	
G-139572	169042	100.0	16,999,800	
G-043276-R1	169041	147.0	17,632,178	
G-029347	36156	104.7	17,670,000	Producer reported 35037. Assumed 0 at the end of reading for it to make sense.
G-096555	109842	130.0	18,003,600	Producer gave a different beginning reading, but no explanation for difference. Water use was figured using our number as the beginning reading.
G-057082	64744	154.8	18,217,900	
G-013097-R1	121819	132.0	18,713,400	Supplemental Well.
G-004871	8801	80.0	18,985,262	
G-178903	240974	132.0	19,355,099	
G-040337	47575	145.0	19,440,000	
G-142430	178761	130.0	19,448,000	Supplemental Well.
G-137318	169448	110.0	19,889,000	Irrigated grass
G-167286	223104	144.0	20,384,779	
G-133725	162123	130.0	20,683,600	
G-030496	37375	130.0	21,046,250	
G-116457	140343	130.0	21,250,720	
G-170400	226797	67.0	21,534,479	
G-153624	199985	95.0	21,900,787	
G-142530	173630	139.0	22,437,000	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-148621	191026	75.0	22,935,083	
G-171948	228629	133.0	23,972,908	
G-132840	160488	151.0	24,816,700	
G-013974	19370	135.6	25,100,614	
G-133405	165547	120.0	25,185,200	
G-137447	165018	135.0	25,225,000	Supplemental Well.
G-035210-R1	42287	132.0	25,646,681	
G-145565-R1	190217	130.0	25,709,407	Supplemental Well.
G-134199	162134	130.0	25,744,978	
G-132733	159884	160.0	25,839,300	
G-036219-R1	213455	75.0	25,904,644	
G-074144	82484	134.0	26,109,928	
G-096676	112194	130.0	26,120,790	
G-063232	71133	150.0	26,296,200	
G-005097-R1	114236	151.3	26,614,300	
G-060797-R1	212228	130.0	26,858,836	
G-149663	191521	74.0	26,943,013	
G-135213	166040	86.0	27,026,700	
G-131726	162133	150.9	27,175,000	
G-167416	222557	77.1	27,510,532	
G-100388	114419	145.0	28,253,000	
G-012651-R1	191520	67.0	28,682,498	
G-071178-R1	162859	144.8	28,874,900	
G-023479	29912	125.0	29,021,600	
G-073798	82134	124.0	29,129,181	
G-031862-R1	170685	147.5	29,473,700	
G-144716	182053	145.0	29,557,100	
G-148411	189364	135.3	29,600,900	
G-138280	162142	66.0	30,221,500	
G-013149-R1	223630	75.0	30,233,263	
A-005964B-R1	182843	116.0	30,618,850	
G-023615	30058	155.0	30,706,400	
G-131930	162388	122.6	30,817,400	
G-068938	77063	135.0	30,824,677	
G-053870	61445	150.0	30,853,500	
G-164644	218534	160.0	30,978,640	
G-178033	240120	260.0	31,605,355	Supplemental Well.
G-144783	183104	135.0	32,038,800	
A-005851-R2	234961	156.4	32,045,800	
G-030676	37576	130.0	32,520,988	
G-144980	182209	135.0	32,695,400	
G-002383-R1	128836	132.0	33,162,600	
G-131043	161371	143.0	34,303,600	

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-016446-R1	22203	130.0	34,323,199	Meter inspection shows meter reads in acre inches, not gallons.
G-166557	217687	124.0	34,417,966	
G-044608	51959	132.0	34,631,600	
G-110172	129232	150.0	35,520,400	
G-017090-R1	172826	131.6	36,295,937	
G-027184	33850	140.0	36,332,000	
G-072455-R1	206053	132.0	36,583,769	
G-035230-R1	209844	100.5	36,967,184	
G-059676	67433	57.3	36,981,032	
G-091407	102859	120.0	37,241,800	
G-132734	164687	115.0	37,754,106	
G-004955-R1	8893	148.0	38,322,600	
G-170249	228482	122.0	38,410,419	
G-068235	76316	127.0	38,467,442	
G-058508	66218	136.0	38,558,408	
G-131927	161757	130.0	38,858,300	
G-032220	39203	145.0	39,617,686	
G-097707-R1	236661	143.3	39,644,025	
G-135516	169018	120.0	39,660,900	
G-033845	40877	132.0	39,986,000	
G-038167-R2	209014	134.0	40,263,900	Seed corn
G-007340-R1	162706	130.0	41,373,900	
G-007342-R1	162707	119.0	41,375,000	
G-035001-R1	246956	151.0	44,415,254	
G-036677	43812	130.0	45,778,928	
G-038172	45343	130.0	45,980,411	
G-024327	30807	152.0	46,529,000	Beginning reading from staff inspection in April
G-121894	148344	182.0	47,544,500	Estimate. New meter
G-065598	73589	130.0	47,611,280	
G-063968	71890	130.0	50,050,795	
G-067960	76038	132.0	52,378,100	
G-134130	162140	130.0	52,800,000	Meter did not work in 2017. Usage figured from hours provided by producer.
G-118169	142719	160.8	54,772,061	
G-161020	213049	128.0	54,981,600	
G-034439	41489	130.0	57,186,324	
G-170384	228390	155.0	57,487,461	
G-132701	165016	132.0	78,894,900	meter rolled over -Potatoes
G-132700	165015	132.0	100,658,200	meter rolled over
G-157641	202660	121.0	29,326	Field was hailed. Well used only to flush pivot. Used some surface water.
G-027484-R1	225652	135.0	1,363,945	Supplemental Well.
G-034763	41826	142.1	5,159,260	
G-152707	197427	147.0	6,866,700	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-170397	222559	79.4	7,687,297	
G-035028	42097	154.8	8,721,300	
G-073172	81360	72.0	10,376,901	
G-133759	160323	87.0	10,991,396	
G-129257	160440	137.0	11,763,900	
G-172798	230409	143.2	12,066,151	Supplemental Well. 12" Surface Used
G-119660	146805	88.0	14,226,523	
G-131490	154924	79.8	17,622,131	
G-037931-R1	227572	140.0	20,488,500	
G-074365	82710	127.0	23,189,516	Estimate
G-042824	50125	159.9	23,209,600	
G-158114	208108	72.0	25,443,298	
G-059592	67347	149.3	25,595,300	
A-005987	1325	73.9	26,804,900	
G-132532	161572	151.1	27,037,000	
G-131774	163016	144.0	27,495,800	
G-138416	162122	145.0	27,503,600	
G-025069	31589	149.0	28,000,000	Estimate from producer.
G-132547	159597	153.5	28,101,300	
G-025803	32369	140.0	28,870,200	
G-048424	55885	111.0	29,297,800	
G-000533	3831	126.0	29,582,110	
G-148685	188800	125.0	29,805,316	
G-011357-R1	16352	115.0	30,205,295	
G-129150	154896	147.0	30,351,500	
G-061654	69490	150.5	31,833,500	
G-063158	71057	156.0	32,219,600	
G-044680	52031	141.0	32,252,435	
A-005527	1006	138.6	32,679,700	
G-130225	160878	156.0	33,254,700	
G-021172	27458	98.0	33,656,600	
G-072667	80855	140.0	34,148,327	
G-074662	83011	105.0	34,764,100	
G-028884	35667	140.0	35,039,900	
G-074282	82627	140.0	35,410,000	
G-064840	72808	121.0	36,166,200	
G-050030	57531	154.0	36,619,000	the 20 gravity acres mostly watered with surface water.
G-138203	172442	155.0	39,351,305	
A-005616	1053	149.0	39,353,206	
G-028765-R1	35540	142.0	39,760,000	
G-063177	71076	138.7	41,719,948	
G-006383	10549	185.0	42,753,973	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-134566	160564	123.0	43,338,200	Producer's ending reading differed slightly from staff inspection. Used producer's reading.
G-028077	34788	146.0	46,554,000	
A-006470	1647	130.0	47,659,886	
G-087416	99269	140.0	52,560,640	
G-132769	160567	144.0	59,567,100	Producer's ending reading differed slightly from staff inspection. Used producer's reading.
G-041183	48439	142.0	63,159,700	
G-174557	230623	80.0	418,172	Supplemental Well Used mostly Surface Water in 2017
G-145885	178762	40.0	914,900	Supplemental Well.
G-138594	172862	74.6	2,025,688	meter changed out middle of July different serial #, not sure of beginning reading. Est. 1" in 2017 because well used very little. Mostly used surface water. Will have starting reading for 2018.
G-023149	29563	26.0	3,373,341	
G-009462	14164	70.4	3,774,000	Supplemental Well.
G-130635	159808	19.0	3,993,400	
G-167483	224220	105.0	4,798,655	
G-130108	159812	75.0	9,288,297	
G-128172	154500	37.5	11,319,500	
G-168005	223141	57.0	11,666,173	
G-132344	156789	12.0	14,054,800	
G-122529	147634	78.2	14,131,500	
G-031657	38620	62.0	14,200,000	
G-174591	234579	82.0	14,313,688	
G-131622	155819	100.0	22,566,000	
G-039572	46786	77.9	25,091,653	
G-146977	180054	50.0	27,185,600	
G-001228-R1	92085	73.0	30,774,700	
G-125286	152448	40.0	31,354,100	
G-139360	165336	40.0	37,477,400	
G-073863	82203	150.0	43,107,300	
G-132644	160439	157.6	43,501,800	
G-041057	48311	79.0	52,315,982	
A-008164-R1	174548	100.0	69,092,538	
G-028660-R2	160179	135.0	13,700	Used primarily surface water. Only did 1 circle with well.
G-167696	221856	130.0	17,107	Supplemental Well Used Little, Mostly Surface Water Only in 2017
G-133181	161382	141.9	400,000	Supplemental Well.
G-133180	161381	144.7	756,900	Supplemental Well.
G-035840-R1	221855	265.0	997,200	Supplemental Well, moved little, Not Used in 2017
G-148622	190543	130.0	1,025,700	Supplemental Well.
G-130969	161430	145.0	1,094,849	Supplemental Well Used Little, Mostly Surface Water Only in 2017
G-132341	156875	128.0	1,150,600	Supplemental Well Used Little, Mostly Surface Water Only in 2017
G-131271	156876	130.0	2,118,012	Estimate. Meter did not work. Estimate based on similar field and gallons calculated from estimate. Supplemental well.
G-037041	44181	50.0	2,200,500	Supplemental Well.

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-007488-R1	11845	151.2	2,809,487	Supplemental Well Not Used - Surface Water Only in 2017
G-132798	159254	130.0	3,530,020	Meter measures both groundwater and surface water. Ending reading after surface water in 2017 was 2816.87.
G-132339	156879	129.4	3,585,200	Supplemental Well Used Little, Mostly Surface Water Only in 2017
G-172064	227073	149.0	3,892,525	Supplemental Well.
G-023572	30014	240.0	3,914,521	Supplemental Well.
G-014735-R1	20244	78.0	4,532,274	
G-129685	156989	136.2	4,597,172	
G-044570	51919	30.0	4,887,720	Estimate
G-167695	221189	127.0	5,712,387	Supplemental Well.
G-000317-R2	219289	132.0	5,764,400	Supplemental Well.
G-041996-R1	228128	32.0	6,128,929	
G-022286	28646	30.0	6,162,057	
G-033788	40819	147.2	6,235,900	Supplemental Well.
G-172337	230621	130.5	6,365,169	Supplemental Well.
G-135532	160565	140.0	7,042,700	Supplemental Well.
G-025703-R1	242435	135.0	7,607,000	Supplemental Well.
G-145863	185009	132.0	7,949,700	Supplemental Well.
G-068903	77028	134.8	8,207,800	
G-024986	31500	120.0	8,231,192	Producer gave different ending reading, but use was high. Used ending reading from staff inspection.
G-030668-R1	164677	135.0	8,969,000	Supplemental Well.
G-174932	232741	123.0	9,188,642	
G-137403	170742	72.0	9,249,900	
G-034034-R1	93086	77.0	9,391,900	
G-137381	170158	145.0	9,558,751	
G-129577	158376	120.0	9,606,900	
G-144784	180131	76.0	9,739,868	Supplemental Well.
G-025207	31736	130.0	10,032,400	
G-175949	236660	108.0	10,146,092	
G-034601	41656	70.0	10,314,000	
G-132359	160881	132.0	10,537,924	Supplemental Well.
G-043366-R1	127238	83.0	11,090,700	
G-010388-R1	213868	65.0	11,243,385	
G-145042	183105	100.0	11,642,200	
G-138534	172370	80.0	12,702,913	
G-130918	161076	152.2	14,567,000	
G-029951-R1	217569	38.0	14,869,530	
G-041369-R1	188563	66.0	15,761,500	
G-153081	197627	68.0	15,897,852	producer reported fixed, not sure on begining reading. Watch in 2018
G-147456	188634	65.0	17,093,171	
G-132340	156877	135.0	17,759,000	
G-066511	74530	131.6	18,263,600	
G-133471	163782	130.0	18,299,500	
G-131623	155812	135.0	18,932,000	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-151663	191248	62.0	19,346,953	
G-135822	169468	99.6	19,454,800	
G-035027	42096	116.7	19,544,200	
G-054523	62111	150.0	20,127,100	
G-133416	165335	52.0	20,369,800	
G-130559	156326	152.5	20,532,700	
G-042992-R1	198737	135.0	20,536,400	
G-066150	74154	135.0	20,863,100	This form did not print for 2017. Questioned producer reading [168759], Staff Inspection gave 886353.
G-028636	35400	132.0	21,505,968	Estimate. Producer does not think meter read correctly. Will have meter checked.
G-067820	75893	135.0	21,596,000	
G-000597-R1	207683	135.0	21,634,949	
G-069613	77769	275.0	22,571,219	
G-132158	163442	130.0	22,848,000	
G-033196-R1	158873	132.0	23,274,236	Assuming meter reads in acre inches. Producer wasn't sure. Acre inches makes most sense with what they used on other fields.
G-032999-R2	189200	65.0	23,286,727	
G-123303	149183	64.0	23,648,000	
G-132544	159256	136.5	23,677,744	
G-032462-R1	166009	124.0	24,185,300	
G-061946	69783	127.5	24,379,600	
G-136259	169013	72.0	24,611,600	
G-096150	109726	130.0	24,617,544	
G-074176	82517	130.0	24,623,518	
G-127559	155815	135.0	24,632,700	
G-020681	26927	133.6	24,964,844	
G-035046-R1	149129	94.1	25,189,800	
G-132663	164229	154.3	25,911,161	
G-070731	78892	158.2	26,322,000	
G-121077	147633	152.8	26,420,500	
G-139059	172599	106.0	26,827,600	
G-124617	152724	128.0	27,096,860	
G-028109-R1	34822	109.0	27,316,924	
G-049528	57016	133.0	27,467,700	
G-030936-R1	176011	120.0	27,564,500	
G-130801	154254	130.0	27,699,200	
G-109999	128947	225.0	27,797,278	
G-045284	52644	135.1	28,530,800	25.93 acres alfalfa
G-041826	49107	157.8	28,735,900	
G-008178	12651	130.0	28,965,986	
G-044047	51391	145.0	29,329,035	
G-132768	165657	140.1	29,430,000	
G-149188	191318	134.0	29,551,100	
G-041329-R1	219361	125.0	30,171,624	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-001127	4516	130.0	30,409,764	
G-022950	29350	130.0	30,692,600	
G-055382-R1	172201	156.7	30,793,700	
G-067926	76002	103.0	31,137,900	
A-005544-R1	113944	135.0	31,250,500	
G-121219	146009	120.0	31,497,700	cover crop on approx 30 acres
G-166108	222272	67.0	31,727,819	
G-069457	77609	256.0	31,767,539	46 acres grass
G-166720	222354	148.0	31,928,759	
G-094083	107849	130.0	32,030,000	
G-175946	231156	113.7	32,042,534	Kirk Edgren began farming this field in 2017 - they now own it
G-001169	4563	151.0	32,500,300	
G-171454	229850	81.4	32,646,982	Supplemental well Used 9" of surface water also
G-034808	41871	134.0	32,747,724	Meter exemption. Estimated 9 inches based on nearby field.
G-036500	43633	132.0	32,811,807	
G-147457	188635	136.0	32,912,277	
G-036447-R1	203726	135.0	33,435,500	
G-055251	62856	135.5	33,492,100	
G-066270	74279	134.0	33,889,000	
G-056606-R1	64243	133.0	34,645,200	
G-133038	165739	130.0	34,925,100	
G-046434	53847	150.0	35,075,400	
G-132168	160566	135.0	35,397,700	
G-091120	102868	142.0	35,768,900	
G-024078-R1	98512	129.6	35,906,600	
G-025152	31677	125.0	35,948,300	
G-125287	152447	130.0	36,284,500	
G-001374-R1	222615	135.0	36,575,400	
G-026446	33051	117.0	36,705,419	
G-070802	78963	145.0	36,717,000	
G-166011	221015	130.0	36,731,758	
G-020831	27090	120.0	37,237,637	
G-129692	160438	140.0	37,536,100	
G-121766	146008	150.0	37,605,574	
G-031885-R1	168468	149.9	37,629,500	
G-049567-R1	221186	146.0	38,737,353	
G-133234	161749	115.0	39,020,100	
A-005254	805	152.0	39,213,300	
G-152676	191017	125.0	39,310,031	
G-071541	79703	128.0	39,637,505	
G-135119	169328	156.3	39,674,600	

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DNR Well Reg #	DNR Well ID #	Acres Reported	Gallons Used	Comments
G-168610	217989	143.0	40,095,596	
G-021735-R1	28060	132.0	40,273,998	
G-002216-R1	166014	128.0	40,374,400	
G-135169	166605	120.0	40,666,900	
G-045549-R1	118572	135.9	41,341,500	
G-149618	192106	132.0	41,576,575	
G-042019	49302	145.0	42,126,715	
G-011745-R1	16802	132.4	42,169,200	
G-039190	46392	156.0	42,686,359	
G-159284	208463	162.8	43,926,289	
G-133233	162390	117.0	44,966,700	
G-132512	161373	135.0	45,325,600	
G-136650	169774	135.0	46,381,300	
G-013423-R1	209336	260.0	52,313,810	
G-069536	77689	130.0	54,787,300	
G-137937	172642	134.0	59,500,900	
G-144298	182757	65.0	62,571,212	
G-061063-R1	213557	240.0	62,741,489	
G-142967	178585	215.0	64,646,600	
G-044222	51568	165.0	79,503,500	
G-000671-R1	3992	300.0	87,620,500	
G-055521	63130	136.8	99,521,039	
A-005573-R1	203922	81.0	11,462,600	Supplemental well. Primary Use is for the drip tape acres. Surface water used for the pivot only when needed
G-171471	229476	65.0	19,219,600	

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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	145	No Till
G-067072	NE 1/4	5	16	5	67.5	No Till
G-034924	NE 1/4	5	16	7	50	No Till
G-030567	NE 1/4	5	16	7	130	No Till
G-023406	SW 1/4	5	16	7	127	No Till
G-069714	NE 1/4	5	16	8	135	No Till
G-025915	SW 1/4	5	16	8	78	No Till
G-073554	NE 1/4	5	16	17	68	No Till
G-016386	SW 1/4	5	16	17	122	No Till
G-016226	NW 1/4	5	16	17	66	No Till
G-086748	NW 1/4	5	16	19	120	No Till
G-115336	SW 1/4	5	16	19	60	No Till
G-071117	SW 1/4	5	16	20	65	No Till
G-074773	NW 1/4	5	16	20	130	No Till
G-064303	NW 1/4	5	16	21	155	No Till
G-030857	NW 1/4	5	16	21	14	No Till
G-039492	SW 1/4	5	16	21	160	No Till
G-023920	NE 1/4	5	16	22	125	No Till
G-042526	NW 1/4	5	16	22	155	No Till
G-008191	SE 1/4	5	16	22	65.4	No Till
G-076259	SE 1/4	5	16	23	150	Minimum Till
G-046754	NW 1/4	5	16	23	6	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-068947	NE 1/4	5	16	23	155	No Till
G-013352	SW 1/4	5	16	24	130	No Till
G-120952	SE of SW 1/4	5	16	26	143	Minimum Till
G-011958	NW 1/4	5	16	26	158.62	No Till
G-064292	Nw 1/4	5	16	26	158.61	No Till
G-053935	NE 1/4	5	16	27	150	Minimum Till
G-001416	NW 1/4	5	16	27	112	No Till
G-028128	SW 1/4	5	16	28	140	No Till
G-013964	SW 1/4	5	16	28	14	No Till
G-017750	NW 1/4	5	16	28	23	No Till
G-025010	NW 1/4	5	16	29	606	No Till
G-025009	SW 1/4	5	16	29	49	No Till
G-037547	NE 1/4	5	16	29	32	No Till
G-065030	SE 1/4	5	16	29	65	No Till
G-013963	NE 1/4	5	16	29	108	No Till
G-020298	NW 1/4	5	16	30	65	No Till
G-028336	SW 1/4	5	16	31	30.8	No Till
G-023721	SW 1/4	5	16	31	66.4	No Till
G-013511	NW 1/4	5	16	31	31.52	No Till
G-114756	NW 1/4	5	16	32	98	No Till
G-026087	SW 1/4	5	16	32	161	No Till
G-128679	NW 1/4	5	16	32	61	No Till
G-050075	SW 1/4	5	16	33	130	No Till
G-082492	NW 1/4	5	16	33	155	No Till
G-039968	NE 1/4	5	16	34	140	No Till
G-035158	NW 1/4	5	16	34	48	No Till
G-050365	SW 1/4	5	16	35	35	No Till
G-034806	SW 1/4	5	16	35	30	No Till
G-002671	NW 1/4	5	16	35	147	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-074588	SE 1/4	5	16	36	151	No Till
G-027064	SE 1/4	5	17	2	80.7	No Till
G-047172	SW 1/4	5	17	5	155.33	No Till
G-010454	lots 11, 12, 17, & 18	5	17	6	145	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	5	No Till
G-076517	lots pt 7, 9, 10, 11, 14, 15, & pt 16	5	17	7	255	No Till
G-019163	SE 1/4	5	17	8	145	No Till
G-046627	SE 1/4	5	17	8	87	No Till
G-032082	NE 1/4	5	17	9	67	No Till
G-052284	NW 1/4	5	17	9	67	No Till
A-007010	SE 1/4	5	17	11	120	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	136	No Till
G-000125	SE 1/4	5	17	14	134	No Till
G-072383	NE 1/4	5	17	14	113	No Till
G-083647	SW 1/4	5	17	14	136	No Till
G-087522	NW 1/4	5	17	14	131	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-146199	NE 1/4	5	17	16	125	No Till
G-055469	SE 1/4	5	17	16	95	No Till
G-071535	lots 13 & pt S2 lot 12	5	17	18	61	No Till
G-041544	lots 3-6	5	17	19	78	No Till
G-061141	NW 1/4	5	17	20	131.5	No Till
G-042382	NW 1/4	5	17	21	13	No Till
G-165675	NW 1/4	5	17	21	55.3	No Till
G-091242	NE 1/4	5	17	21	59.7	No Till
G-036947	SE 1/4	5	17	23	65	No Till
G-056707	NE 1/4	5	17	23	31	No Till
G-020559	NE 1/4	5	17	24	133	No Till
G-091805	NW 1/4	5	17	24	135	Minimum Till
G-025073	SE 1/4	5	17	24	130	No Till
G-069535	SE 1/4	5	17	25	24	No Till
G-056775	NW 1/4	5	17	26	140	No Till
G-128351	SW of SE 1/4	5	17	26	96	No Till
G-060870	SW 1/4	5	17	26	68.5	No Till
G-068048	lots 3, 5, 4, & 6	5	17	30	154	No Till
G-083514	lots 9, 10, 15, & 16	5	17	30	157	No Till
G-074324	lots 11, 12, 13, & 14	5	17	31	70.5	No Till
G-051199	SW 1/4	5	17	33	67	No Till
G-028120	NW 1/4	5	17	34	66	No Till
G-051378	SE 1/4	5	17	35	125	No Till
G-115347	SW 1/4	5	17	35	120	No Till
G-170025	NW 1/4	5	17	35	69	No Till
G-029273	NW 1/4	5	17	36	32	No Till
G-054318	NE 1/4	5	17	36	55.5	No Till
G-018931	NW 1/4	5	18	3	77	No Till
G-050993	SW 1/4	5	18	5	144	No Till
G-014101	SE 1/4	5	18	6	46	No Till
G-033786	SW 1/4	5	18	7	155	No Till
G-074706	NE 1/4	5	18	8	145	No Till
G-033798	SW 1/4	5	18	8	150	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-015350	NW 1/4	5	18	8	145	No Till
G-045745	NW 1/4	5	18	8	145	No Till
G-025920	SW 1/4	5	18	9	142.56	No Till
G-074474	NE 1/4	5	18	10	135	No Till
G-024376	SW 1/4	5	18	12	78	No Till
G-044697	SE 1/4	5	18	12	133	No Till
G-062292B	SE 1/4	5	18	13	157	No Till
G-029188	NW 1/4	5	18	14	155	No Till
G-074234	SW 1/4	5	18	14	128.89	No Till
G-027510	SW 1/4	5	18	15	155	No Till
G-064915	SW 1/4	5	18	16	64.16	No Till
G-048441	NE 1/4	5	18	16	109	No Till
G-037902	NE 1/4	5	18	17	17	No Till
G-028692	SW 1/4	5	18	17	130	No Till
G-066990	NW 1/4	5	18	17	158	No Till
G-021705	NW 1/4	5	18	18	76	No Till
G-095680	NE 1/4	5	18	18	130	No Till
G-059221	SE 1/4	5	18	19	115	No Till
G-015354	SW 1/4	5	18	19	140	No Till
G-065869	NW 1/4	5	18	19	120	Minimum Till
G-072701	NW 1/4	5	18	20	130	No Till
G-025055	NE 1/4	5	18	20	128.7	No Till
G-005936	SW 1/4	5	18	20	130	No Till
G-062981	NE 1/4	5	18	21	145	No Till
G-047719	NW 1/4	5	18	21	125	Minimum Till
G-022590	NW 1/4	5	18	22	150	Minimum Till
G-044991	SE 1/4	5	18	22	150	Minimum Till
G-031620	NW 1/4	5	18	23	133.6	No Till
G-070513	SW 1/4	5	18	23	156	No Till
G-129695	NW of SW 1/4	5	18	25	65.6	No Till
G-030822	NW 1/4	5	18	25	158	Minimum Till
G-049679	SW 1/4	5	18	26	137	No Till
G-050678	NE 1/4	5	18	27	153	No Till
G-031086	SE 1/4	5	18	27	142	No Till
G-070514	NW 1/4	5	18	28	130	No Till
G-038067	SW of NE 1/4	5	18	28	125	No Till
G-022924	SW 1/4	5	18	28	114	No Till
G-000802	NW 1/4	5	18	30	142	No Till
G-041704	SW 1/4	5	18	30	65	No Till
G-040134	NW 1/4	5	18	31	135	No Till
G-069042	SW 1/4	5	18	31	137	No Till
G-042013	NW 1/4	5	18	32	100	No Till
G-022971	SE 1/4	5	18	32	130	No Till
G-045830	NW 1/4	5	18	33	92	No Till
G-050229	NE 1/4	5	18	35	128	No Till
G-129768	NE of SW 1/4	5	18	36	100	No Till
G-119626	SE of SE 1/4	5	18	36	66	No Till
G-026055	NW 1/4	5	19	1	130	No Till

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G-055772	NE 1/4	5	19	2	78	No Till
G-178984	SW of NW	5	19	4	40.42	No Till
G-035658	SE 1/4	5	19	4	147	No Till
G-044680	NE 1/4	5	19	5	146	No Till
G-028636	NW 1/4	5	19	5	143	No Till
G-120087	Cent of SW 1/4	5	19	6	59.4	No Till
G-115304	SE	5	19	7	120	No Till
G-039385	NW 1/4	5	19	7	75.7	No Till
A-007514	SW 1/4	5	19	7	140	No Till
G-005935	NE 1/4	5	19	7	140	No Till
G-052581	SE 1/4	5	19	8	146	No Till
G-025108	NE 1/4	5	19	8	122	No Till
G-039461	NW 1/4	5	19	8	130	Minimum Till
G-061775	NE 1/4	5	19	9	154	No Till
G-025126	SW 1/4	5	19	9	145	No Till
G-025077	NW 1/4	5	19	9	137	No Till
G-012366	NE 1/4	5	19	11	146	No Till
G-024222	SW 1/4	5	19	11	130	No Till
G-041783	SE 1/4	5	19	11	146	No Till
G-000540	SE 1/4	5	19	11	570	No Till
G-09150	SE 1/4	5	19	12	85	No Till
G-086015	SW 1/4	5	19	13	145	No Till
G-025998	SW 1/4	5	19	13	45	No Till
G-040491	SE 1/4	5	19	13	152	No Till
G-027644	NE 1/4	5	19	14	150	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-070221	SE 1/4	5	19	14	81	No Till
G-005589	NW 1/4	5	19	15	134	No Till
G-129594	NE of NE 1/4	5	19	16	46	No Till
G-024757	SW 1/4	5	19	17	149	No Till
G-071157	SW 1/4	5	19	18	80	No Till
G-032103	NW NE 1/4	5	19	18	75	No Till
G-023624	SE 1/4	5	19	18	135	No Till
G-090649	NE 1/4	5	19	19	130.9	No Till
G-015987	SW 1/4	5	19	19	146	No Till
G-109792	NW 1/4	5	19	19	158	No Till
G-059220	SW 1/4	5	19	20	153	No Till
G-073389	NW 1/4	5	19	20	156	No Till
G-032374	SW 1/4	5	19	22	149	Minimum Till
G-003517	SE 1/4	5	19	22	48.5	Minimum Till
G-049914	NE 1/4	5	19	22	134	No Till
G-003516	NE 1/4	5	19	22	0	No Till
G-026301	NE 1/4	5	19	23	125	No Till
G-116848	SW 1/4	5	19	23	131	No Till
A-007273	SE 1/4	5	19	23	135	No Till
G-032287	SW 1/4	5	19	24	132	No Till
G-072466	SE 1/4	5	19	25	126	No Till
G-034186	SW 1/4	5	19	25	125	No Till
G-024341	NE 1/4	5	19	26	146	No Till
G-028487	SW 1/4	5	19	26	152	Minimum Till

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G-049567	SE 1/4	5	19	26	146	No Till
G-036688	NW 1/4	5	19	27	144	No Till
G-039990	SW 1/4	5	19	27	146	No Till
G-022155	NE 1/4	5	19	28	143	No Till
G-054401	SW 1/4	5	19	28	132	No Till
G-037484	NW 1/4	5	19	29	145	No Till
G-094006	SW 1/4	5	19	29	157	No Till
G-029791	SE 1/4	5	19	29	152	No Till
G-096953	SW 1/4	5	19	31	135	No Till
G-096952	NW 1/4	5	19	31	127	No Till
G-094234	SE 1/4	5	19	31	163	No Till
G-094233	NE 1/4	5	19	31	81	No Till
G-053938	NE 1/4	5	19	32	191	No Till
G-025704	SW 1/4	5	19	33	156	No Till
G-024073	SE 1/4	5	19	35	160	No Till
G-025164	NW 1/4	5	19	35	151	No Till
G-018340	SE 1/4	5	19	35	150	No Till
G-106128	SE 1/4	5	19	36	137	No Till
G-086858	NW 1/4	5	19	36	129.7	No Till
G-040116	NE 1/4	5	19	36	128	No Till
G-030784	SW 1/4	5	19	36	126	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-010390	NE 1/4	6	16	21	187	Minimum Till
G-016296	SW 1/4	6	16	21	135.65	No Till
G-009596	NE of SE 1/4	6	16	29	73.6	No Till
G-036074	SE 1/4	6	16	32	36.7	No Till
A-005509	NE 1/4	6	16	32	65	Minimum Till
G-081367	SW 1/4	6	16	32	192	No Till
G-130559	SW of SW 1/4	6	17	3	153	No Till
G-003937	lots II, 12, 17, & 18	6	17	6	152	Minimum Till
G-100986	lots pts 5, 6, 7, & 8	6	17	6	120	No Till
G-074642	lot 4	6	17	6	76	Minimum Till
G-132544	SE of SE 1/4	6	17	7	65	No Till
G-036707	lots 3, 6	6	17	7	23	No Till
G-039539	lots 9, 10, 15 & 16	6	17	7	135	No Till
G-035763	lots 4, 5	6	17	7	100	No Till
G-053867	lots 1, 2, 7 & 8	6	17	7	135	No Till
G-133416	NW of NW 1/4	6	17	8	68	No Till
G-013487	SW 1/4	6	17	8	60	No Till
G-027040	NE 1/4	6	17	11	95	Minimum Till
G-033234	NW 1/4	6	17	12	75.5	No Till
G-065948	NW 1/4	6	17	17	159	Minimum Till
G-132798	NE of NE 1/4	6	17	17	75	No Till
G-031717	lots 2 & 7	6	17	19	117	No Till
G-130755	SE of NW 1/4	6	17	21	68.7	No Till
G-036220	NE 1/4	6	17	23	225	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
G-026335	SE 1/4	6	17	28	127	No Till
G-015980	lots S pt of 13 & 14	6	17	30	115	No Till
G-026426	SE 1/4	6	17	32	148	No Till
G-065571	SW 1/4	6	17	32	148	No Till

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G-074644	NE 1/4	6	17	35	78.5	No Till
G-052389	NE 1/4	6	17	36	67.5	No Till
G-072641	NW 1/4 SE 1/4	6	18	1	7	No Till
G-015957	SW 1/4	6	18	1	145	No Till
G-029699	SW 1/4 SE 1/4	6	18	1	140	No Till
G-045831	NW 1/4	6	18	2	95	No Till
G-134566	NW of NW 1/4	6	18	6	105	No Till
G-131624	SW of NW 1/4	6	18	7	112	No Till
G-135942	SE of SE 1/4	6	18	8	125	No Till
G-023699	NW 1/4	6	18	9	125	No Till
G-133038	NE 1/4	6	18	9	60	No Till
G-008028	NW 1/4	6	18	10	103.2	No Till
G-063234	SW 1/4	6	18	12	142	No Till
G-015956	NW 1/4	6	18	12	135	No Till
G-015125	NE 1/4	6	18	12	142	No Till
G-039297	SW 1/4	6	18	13	157	No Till
G-040036	SW 1/4	6	18	15	145	No Till
G-013612	NW 1/4	6	18	15	152	Minimum Till
G-031315	SE 1/4	6	18	16	131	No Till
G-129356	NE 1/4	6	18	16	78	No Till
G-071933	SW 1/4	6	18	17	145	No Till
G-130452	NE of NW 1/4	6	18	17	130	No Till
G-030693	NW 1/4	6	18	20	154	No Till
G-044258	SW 1/4	6	18	20	159	No Till
G-044283	SE 1/4	6	18	20	160	No Till
G-041561	NE 1/4	6	18	20	154	No Till
G-008006	SW 1/4	6	18	21	130	No Till
G-069776	SE 1/4	6	18	21	162	No Till
G-004679	SW 1/4	6	18	22	31.3	No Till
G-059302	SE of NW	6	18	22	131	No Till
G-045284	SE 1/4	6	18	22	68.3	No Till
G-028924	SW 1/4	6	18	25	152	Minimum Till
G-026280	NW 1/4	6	18	27	136	No Till
G-003515	SE 1/4	6	18	28	130	No Till
G-044681	NE 1/4	6	18	30	150.5	No Till
G-032987	SW 1/4	6	18	30	145	No Till
G-056619	SW 1/4	6	18	31	100	No Till
G-016211	SW 1/4	6	18	31	83	No Till
G-035251	NE 1/4	6	18	31	154	No Till
G-026164	NW 1/4	6	18	32	141	No Till
G-045549	SE 1/4	6	19	2	140	No Till
G-052272	NE 1/4	6	19	4	150	No Till
G-001169	NE 1/4	6	19	5	149	No Till
G-025627	SW 1/4	6	19	6	142	Minimum Till
G-036171	SE 1/4	6	19	6	148	No Till
G-172798	NE 1/4	6	19	6	156	No Till
G-132512	NE of NE 1/4	6	19	7	135	Minimum Till
G-015120	SE 1/4	6	19	8	149	No Till
G-040343	SW 1/4	6	19	8	72	No Till
G-025733	NE 1/4	6	19	9	100	No Till

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G-044779	NW 1/4	6	19	9	120	No Till
G-042443	SW 1/4	6	19	11	137	No Till
G-126845	NW of SE 1/4	6	19	11	82	No Till
G-049381	SE 1/4	6	19	12	72	No Till
G-025757	NW SW 1/4	6	19	13	292	No Till
G-114016	NE 1/4	6	19	13	130	No Till
G-169498	NE 1/4	6	19	13	40	No Till
G-025815	SW 1/4	6	19	14	157	No Till
G-058068	SE 1/4	6	19	15	146	No Till
G-035795	NW 1/4	6	19	16	136	Minimum Till
G-027416	NE 1/4	6	19	17	152	No Till
G-032462	SW 1/4	6	19	17	135	No Till
G-030668	NW 1/4	6	19	19	141	No Till
G-074330	SW 1/4	6	19	19	65.2	No Till
G-044799	NW of NE 1/4	6	19	19	132	No Till
G-002987	SW 1/4	6	19	20	125	No Till
G-174932	NE 1/4	6	19	20	106	No Till
G-132608	SW of SW 1/4	6	19	21	88	No Till
G-030892	NE 1/4	6	19	22	156.5	No Till
A-005462	SE 1/4	6	19	23	238	No Till
G-013985	NE 1/4	6	19	23	109	No Till
G-071119	NE 1/4	6	19	24	134	No Till
G-031740	NW 1/4	6	19	24	140	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	294	No Till
G-039540	SW 1/4	6	19	25	125	No Till
G-094725	NW 1/4	6	19	26	217	No Till
G-073120	SW 1/4	6	19	26	90	No Till
G-026085	SE 1/4	6	19	27	131	No Till
G-129577	SW 1/4	6	19	28	65	No Till
G-038040	NE 1/4	6	19	29	148.4	No Till
G-073711	NE 1/4	6	19	31	145	No Till
G-035734	SW 1/4	6	19	31	81.9	No Till
G-052273	SE 1/4	6	19	31	66	No Till
G-027857	NW 1/4	6	19	31	143	No Till
G-066511	SW 1/4	6	19	32	152	No Till
G-034808	NW 1/4	6	19	32	137	No Till
G-027136	NE 1/4	6	19	34	140	No Till
G-030448	NW 1/4	6	19	34	132	No Till
G-062535	NW 1/4	6	19	35	166	No Till
G-110137	SE 1/4	6	19	35	131	No Till
G-029587	NE 1/4	6	19	35	154	No Till
G-051086	SE 1/4	6	19	36	130	No Till
G-001127	NW 1/4	6	20	1	65	No Till
G-045273	SW 1/4	6	20	1	135	No Till
G-041329	NE 1/4	6	20	3	127	No Till

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G-167695	SE 1/4	6	20	3	130	No Till
G-133504	NE 1/4	6	20	5	149	No Till
G-038009	NW 1/4	6	20	5	110.2	Minimum Till
G-074443	NW 1/4	6	20	7	87.5	Minimum Till
G-074374	NW 1/4	6	20	8	131	No Till
G-028012	SW 1/4	6	20	8	145	No Till
G-043366	NW 1/4	6	20	10	84	No Till
G-041487	SE 1/4	6	20	10	132	No Till
G-089768	NE 1/4	6	20	10	111	No Till
G-037041	NE 1/4	6	20	11	100	No Till
G-002626	NW 1/4	6	20	12	151	Minimum Till
G-122126	SW of SE 1/4	6	20	12	142	No Till
G-023082	SW 1/4	6	20	13	18	Minimum Till
G-132157	NW 1/4 & pt SW	6	20	13	293	Minimum Till
G-132340	SE 1/4	6	20	13	134	No Till
G-001680	NW 1/4	6	20	14	118	No Till
G-034091	SW 1/4	6	20	14	150	No Till
G-028075	SE 1/4	6	20	15	62	No Till
G-026317	SE 1/4	6	20	17	97	No Till
G-074296	SE 1/4	6	20	19	73	No Till
G-034410	SW 1/4	6	20	19	135	No Till
G-025528	NW 1/4	6	20	19	75	No Till
G-005487	NE 1/4	6	20	21	130	No Till
G-000652	SW 1/4	6	20	22	156	No Till
G-028007	NE 1/4	6	20	22	150	No Till
G-091279	SE 1/4	6	20	22	135	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-025593	NW 1/4	6	20	23	63	Minimum Till
G-052804	SE 1/4	6	20	23	123	Minimum Till
G-052805	SE 1/4	6	20	23	123	Minimum Till
G-132076	NE 1/4	6	20	24	200	Minimum Till
G-024524	SW 1/4	6	20	24	63.3	No Till
G-024728	SE 1/4	6	20	24	134	No Till
G-132344	NW 1/4	6	20	24	200	Minimum Till
G-024590	NW NW 1/4	6	20	24	200	Minimum Till
G-074444	SW 1/4	6	20	25	72	No Till
G-091179	NW 1/4	6	20	25	141	No Till
G-032795	SE 1/4	6	20	25	112	No Till
G-024994	NE 1/4	6	20	26	145	No Till
G-074785	NW 1/4	6	20	27	147	No Till
G-062683	SW 1/4	6	20	29	64	No Till
G-055770	NW 1/4	6	20	34	168	No Till
G-072185	SW 1/4	6	20	34	79.49	Minimum Till
G-053759	NE 1/4	6	20	35	148	No Till
G-061360	NE 1/4	6	20	36	125	No Till
G-022942	SE 1/4	6	20	36	100	No Till
G-040944	SW 1/4	6	21	1	130	Minimum Till

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G-070946	NE 1/4	6	21	1	35.3	Minimum Till
G-031354	NE 1/4	6	21	1	104	No Till
G-049326	NW 1/4	6	21	2	156	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	123	Minimum Till
G-061500	SW 1/4	6	21	10	145	No Till
G-027126	NW 1/4	6	21	11	156	No Till
G-050066	NE 1/4	6	21	11	153	No Till
G-070857	SE 1/4	6	21	12	128	No Till
G-060103	NW 1/4	7	17	17	130	No Till
G-071299	lots 1, 2, 7 & 8	7	17	18	135	No Till
G-119196	NE 1/4	7	17	18	146	Minimum Till
G-139528	NW 1/4	7	17	28	70	Minimum Till
G-028884	SW 1/4	7	17	29	70	No Till
G-047810	NW 1/4	7	17	29	155	Minimum Till
G-023687	NE 1/4	7	17	30	148	Minimum Till
G-061971	SE 1/4	7	17	31	68	No Till
G-021595	NE 1/4	7	17	31	70	No Till
G-071289	NE 1/4	7	18	13	154	No Till
G-059557	NE 1/4	7	18	15	125	Minimum Till
G-057112	SE 1/4	7	18	15	100	No Till
G-137702	NE1/4	7	18	16	135	No Till
G-129448	NE of NW 1/4	7	18	17	100	No Till
G-129872	NW of NE 1/4	7	18	17	30	No Till
G-127903	NW of NE 1/4	7	18	18	126	Minimum Till
G-149618	SW 1/4	7	18	19	124	No Till
G-041826	SE 1/4	7	18	19	158	No Till
G-130665	SW of SW 1/4	7	18	20	120	No Till
G-131463	SE	7	18	21	130	No Till
G-056497	NW 1/4	7	18	22	100	No Till
G-023320	NE 1/4	7	18	23	126	No Till
G-026458	NE 1/4	7	18	23	160	No Till
G-074311	NE of NW 1/4	7	18	23	17	Minimum Till
G-040650	SE 1/4	7	18	27	125	No Till
G-084401	NW 1/4	7	18	27	150	Minimum Till
G-002216	NE 1/4	7	18	28	130	No Till
G-020280	SW 1/4	7	18	28	148	Minimum Till
A-005544	NW 1/4	7	18	28	135	No Till
G-132769	NW of SW 1/4	7	18	32	130	No Till
G-093751	SE 1/4	7	18	34	136	No Till
G-139527	NW1/4	7	18	35	77	No Till
G-018622	NE 1/4	7	18	35	130	No Till
G-015124	SE 1/4	7	18	35	152	Minimum Till
G-061275	SW 1/4	7	18	36	152	Minimum Till
G-131813	SE 1/4	7	19	13	162	Minimum Till
G-138416	NW 1/4	7	19	13	121	No Till
G-135170	S1/2 NE 1/4	7	19	13	50	No Till
G-134259	NE 1/4	7	19	14	3	Minimum Till
G-129696	NW 1/4	7	19	14	120	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-007043	NW 1/4	7	19	16	149	No Till
G-002482	SW 1/4	7	19	16	133.8	No Till
G-034763	SE 1/4	7	19	16	67.5	No Till
G-014735	NW 1/4	7	19	17	73	No Till
G-133385	SW of SW 1/4	7	19	18	144.02	Minimum Till
G-126121	SE1/4	7	19	18	130	No Till
G-133633	NW of NE 1/4	7	19	19	144.14	Minimum Till
G-074549	NE 1/4	7	19	20	134	No Till
G-013807	NE 1/4	7	19	21	90	No Till
G-121515	NW of SE 1/4	7	19	21	65	No Till
G-033171	SW 1/4	7	19	22	124.5	No Till
G-045570	NE NE 1/4	7	19	22	130	No Till
G-061996	SE 1/4	7	19	22	114	No Till
G-171471	NW 1/4	7	19	23	65	No Till
G-130799	NE of SE 1/4	7	19	23	116	No Till
G-071266	NW 1/4	7	19	24	75	No Till
G-132613	SE 1/4	7	19	24	120	No Till
G-132645	SW 1/4	7	19	25	107	No Till
G-038816	SE 1/4	7	19	26	85	No Till
G-025252	SE 1/4	7	19	26	60	No Till
G-074261	NW 1/4	7	19	27	139	No Till
G-000317	NE 1/4	7	19	27	66	No Till
G-135944	NE of SW 1/4	7	19	29	77	No Till
G-034601	SE 1/4	7	19	30	70	No Till
G-012652	SE 1/4	7	19	31	80	No Till
G-133088	SE of NE 1/4	7	19	32	130	No Till
G-131993	SW of SW 1/4	7	19	33	130	No Till
G-001460	SE 1/4	7	19	33	110	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-151663	SW 1/4	7	19	36	62	No Till
G-065049	NW 1/4	7	19	36	135	No Till
G-133634	NW of SE 1/4	7	20	14	141.61	Minimum Till
G-023572	NE 1/4	7	20	15	250	Minimum Till
G-037931	NE 1/4	7	20	18	140	Minimum Till
G-023844	NW 1/4	7	20	18	0	No Till
G-012647	SW 1/4	7	20	18	25	No Till
G-000947	SW 1/4	7	20	20	130	Minimum Till
G-135943	NW of NE 1/4	7	20	23	104.02	Minimum Till
G-071957	NW 1/4	7	20	23	122.77	Minimum Till
G-033288	NE 1/4	7	20	26	75	No Till
G-067820	SW 1/4	7	20	30	141	No Till
G-135517	SE of NE 1/4	7	20	31	136	Minimum Till
A-005573	SW 1/4	7	20	31	63	Minimum Till
G-058819	SE 1/4	7	20	32	1252	Minimum Till
G-021189	SE 1/4	7	20	32	152	Minimum Till
G-135518	NW of SW 1/4	7	20	32	75	Minimum Till
G-027484	NW 1/4	7	20	32	146	No Till
G-069613	NW 1/4	7	20	33	156	No Till
G-037542	SW 1/4	7	20	34	164	No Till
G-054523	NE 1/4	7	20	35	150	No Till
G-039565	SE 1/4	7	20	36	140	No Till
G-021461	SE 1/4	7	21	23	29	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-132819	SE of NW 1/4	7	21	24	158	No Till
G-070535	NE 1/4	7	21	24	116	Minimum Till
G-039594	SE 1/4	7	21	27	178.5	No Till
G-027227	NW 1/4	7	21	34	55	No Till
G-021159	SE 1/4	7	21	34	73	No Till
G-045821	NE 1/4	7	21	34	67	No Till
G-009227	SW 1/4	7	21	34	56	No Till
G-013356	SE 1/4	7	21	35	135	Minimum Till
G-043947	NE 1/4	7	21	35	135	Minimum Till
G-044165	NE 1/4	7	21	36	90.3	Minimum Till
G-000559	NW 1/4	7	21	36	98.11	Minimum Till
G-029565	SW 1/4	7	21	36	70	Minimum Till
G-064932	SW 1/4	7	21	36	68	Minimum Till
G-014933	SE 1/4	7	21	36	150	Minimum Till
G-006537	NE SE 1/4	8	13	8	83.45	No Till
G-017198	SW 1/4	8	13	13	65	No Till
G-015972	SE 1/4	8	13	13	66	No Till
G-066266	NE 1/4	8	13	13	45	Minimum Till
G-011501	NW 1/4	8	13	13	30	Minimum Till
G-025537	NW 1/4	8	13	14	53	No Till
A-005964B	NE 1/4	8	13	16	116	No Till
G-010285	NW 1/4	8	13	17	131	No Till
G-060270	SE 1/4	8	13	17	70	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-070660	NE SW 1/4	8	13	21	134	No Till
G-000642	NW 1/4	8	13	21	134	No Till
G-033694	NE 1/4	8	13	22	135	No Till
G-012428	NW 1/4	8	13	22	125	No Till
G-043853	NE 1/4	8	13	24	127	No Till
G-036446	SE 1/4	8	14	28	132	Minimum Till
G-053686	NW 1/4	8	15	34	150	No Till
G-048684	NE 1/4	8	15	34	150	No Till
G-044831	NW 1/4	8	15	35	128	No Till
G-044521	NE 1/4	8	15	35	130	No Till
G-072231	SW 1/4	8	16	17	61	Minimum Till
G-014631	SE 1/4	8	16	18	25	Minimum Till
G-037028	SW 1/4	8	16	18	40	Minimum Till
G-013150	NW 1/4	8	16	26	15	No Till
G-059881	NW 1/4	8	16	26	7	No Till
G-059880	NW 1/4	8	16	26	120	No Till
G-034321	SW 1/4	8	16	30	125	No Till
G-034320	SE 1/4	8	16	30	125.3	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-027841	lot 9	8	17	18	101	No Till
G-104055	lot pts2, 7 & all 8	8	17	18	70	No Till
G-104054	pt of lots 2, 3, 4, 5, 6 & 7	8	17	18	110	No Till
G-065342	lot 10	8	17	18	53	No Till
G-090861	lots 11, 12, 13 & 14	8	17	19	133	No Till
G-034898	lots 9, 10, 15 & 16	8	17	19	149	No Till
G-121369	Cent of SE 1/4	8	17	23	75	No Till

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DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-072631	NW 1/4	8	17	23	77	No Till
G-034096	NE 1/4	8	17	23	152	No Till
G-034095	NE 1/4	8	17	23	77	No Till
G-088499	NE 1/4	8	17	33	135	No Till
G-088500	SE 1/4	8	17	33	133	No Till
G-047120	SW 1/4	8	17	34	135	No Till
G-055521	NW 1/4	8	17	34	136.9	Minimum Till
G-137937	SW 1/4	8	17	36	134	No Till
G-048991	NW 1/4	8	17	36	134	No Till
G-063395	NE 1/4	8	17	36	133	No Till
G-010206	SE 1/4	8	18	14	32	Minimum Till
G-010205	SW 1/4	8	18	14	46	Minimum Till
G-049315	SW 1/4	8	18	14	6	Minimum Till
G-011646	SW 1/4	8	18	15	260	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-062699	NW 1/4	8	18	22	124	No Till
G-045450	NE 1/4	8	18	22	133	No Till
G-070077	NE 1/4	8	18	23	130	No Till
G-058321	SW 1/4	8	18	26	140	No Till
G-056949	SE 1/4	8	18	27	123	No Till
G-067875	NW 1/4	8	18	27	130	No Till

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Dates of Recharge diversions	Elwood Reservoir Diversions				Elwood Releases				E65 Canal				Phelps Canal				Funds				
	AF, in	\$/af	\$/other	Notes	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	2277			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, \$pump & hydro													\$ 12,878.02			\$ 6,439.01	\$ 6,439.01
8/10/2008 to 8/19/2008	1193			gravity, \$ for hydro offset													\$ 10,498.40			\$ 5,249.20	\$ 5,249.20
6/21/2009 to 8/21/2009	2906			diversions stoppe d once irr decision was made													\$ 25,572.80			\$ 12,786.40	\$ 12,786.40
9/28/2011 to 1/5/2012													5558.16	25		down to MP 9.7	\$ 138,954.00	\$ 69,477.00	\$ 41,686.20	\$ 27,790.80	
12/4/2012 to 3/11/2013													4088	25		EA water down to MP 13.3	\$ 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		down to MP 13.3	\$ 97,250.00	\$ 48,625.00	\$ 29,175.00	\$ 19,450.00	
													2000	25		Funk Lagoon	\$ 50,000.00	\$ 50,000.00			
													3897	NA		Phelps below 13.3 to 51.1 plus 19.1, 38.6. No payment for these diversions.	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				
									70	NA		Not billed, part of Elwood filling, down to MP 5.9					NA				
12/9/2014 to 12/27/2014	8309.2	41		Pumped, 5000 af contract + 5000 af ammendment													\$ 340,677.20		\$ 170,338.60	\$170,338.60	
									567.1	38		down to MP 20.1					\$ 21,549.80		\$ 10,774.90	\$ 10,774.90	
11/26/2014 to 12/31/2014													2345.9	27		down to MP 13.3	\$ 63,339.30	\$ 31,669.65	\$ 31,669.65		
1/1/2015 to 2/14/2015													1654.1	28.08		down to MP 13.3, up to 4000 af, then PRRIP to get 100%	\$ 46,447.13	\$ 23,223.56	\$ 23,223.56		
													543.7	28.08		down to MP 13.3, PRRIP only	\$ 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	
									94.9	39.52		in Canal to MP 5.9					\$ 3,750.45		\$ 1,875.22	\$ 1,875.22	
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	
									200	39.52		Into Cottonwood WPA, part of Amendment No 1					\$ 7,904.00		\$ 3,952.00	\$ 3,952.00	
	9007	42.64		For PRRIP													\$ 384,058.48	\$ 384,058.48			

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	Elwood Reservoir Diversions				Elwood Releases				E65 Canal				Phelps Canal				Funds				
Dates of Recharge diversions	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/other	Notes	Total \$	PRRIP	NDNR	TBNRD	NGPC
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, down to MP 20.1					\$ 50,308.96		\$ 25,154.48	\$ 25,154.48	
	5776	42.64		For PRRIP, May 2015 Agreement and Ammendment No. 1													\$ 246,288.64	\$ 246,288.64			
11/16/2015 to 12/31/2015													747.5	28.08		down to MP 13.3, 25% of diversions for NDNR, 11-18-15 Agreement	\$ 20,989.80		\$ 20,989.80		
													2242.5	28.08		down to MP 13.3, 75% of diversions for PRRIP, 11-26-14 Agreement	\$ 62,969.40	\$ 62,969.40			
12/19/2015 to 2/1/2016					1118.7			Released from Elwood to E65 Canal. Subtracted from NDNR/State Elwood Account for recharge in E65 Canal, No charge in the contract.									NA				
1/1/2016 to 2/14/2016													489.25	29.2		down to MP 13.3, 25% of diversions for NDNR, 11-18-15 Agreement	\$ 14,286.10		\$ 14,286.10		
													1467.75	29.2		down to MP 13.3, 75% of diversions for PRRIP, 12-11-15 Agreement	\$ 42,858.30	\$ 42,858.30			
3/16/2016 to 4/13/2016													157.5	29.2		down to MP 13.3, 25% of diversions for NDNR, 11-18-15 Agreement	\$ 4,599.00		\$ 4,599.00		
													472.5	29.2		down to MP 13.3, 75% of diversions for PRRIP, 12-11-15 Agreement	\$ 13,797.00	\$ 13,797.00			
3/16/2016 to 3/20/2016									500	41.1		Fullfills 3-17-16 agreement (ammendment NO.1), down to MP 20.1					\$ 20,550.00		\$ 10,275.00	\$ 10,275.00	
									28			Not Billed, excess diversion as part of 500 af agreement					NA				
9/15/2016 to 12/31/2016													1080.50	29.2		down to MP 13.3, 25% of diversions for NDNR, 9-20-2016 Agreement	\$ 31,550.60		\$ 31,550.60		
													3241.40	29.2		down to MP 13.3, 75% of diversions for PRRIP, 9-26-2016 Agreement	\$ 94,648.88	\$ 94,648.88			

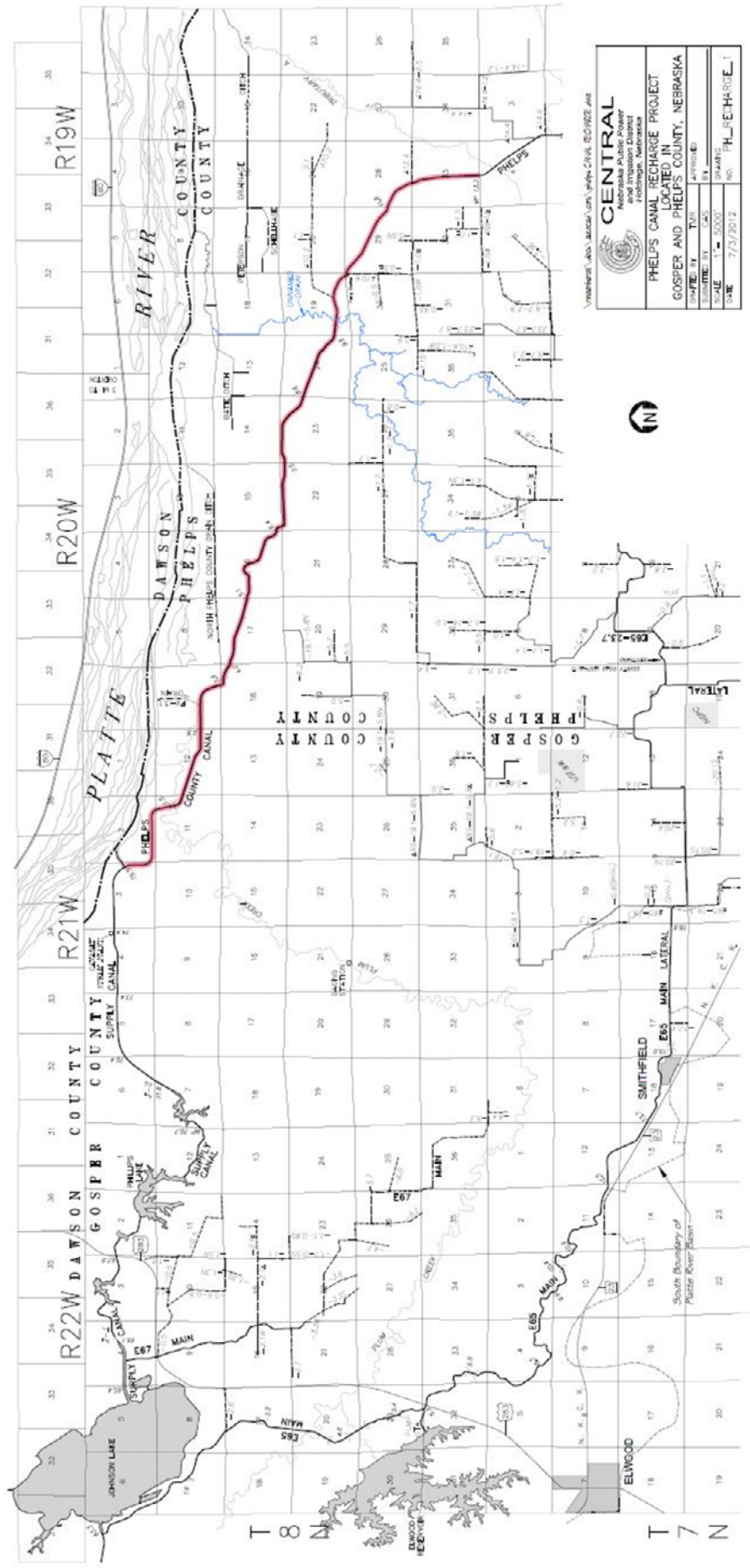
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	Elwood Reservoir Diversions				Elwood Releases				E65 Canal				Phelps Canal				Funds				
Dates of Recharge diversions	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/othe	Notes	Total \$	PRRIP	NDNR	TBNRD	NGPC
12/10/2016 to 12/31/2016	1152	44.35		For TBNRD, 12-7-2016 Agreement with \$127,036 limit for TBNRD and 60% NDNR/40% TBNRD split													\$ 51,091.20			\$ 51,091.20	
	2880	44.35		For PRRIP, 9-26-16 Agreement, 8,000 af limit													\$ 127,728.00	\$ 127,728.00			
	1728	44.35		For NDNR, 12-7-2016 Agreement with \$190,554 limit for NDNR and 60% NDNR/40% TBNRD split													\$ 76,636.80		\$ 76,636.80		
12/9/2016 to 12/31/2016									335.9	41.1		For TBNRD, 12-7-2016 Agreement with \$127,036 limit for TBNRD and 60% NDNR/40% TBNRD split, Water down to MP 19.3					\$ 13,805.49			\$ 13,805.49	
									503.8	41.1		For NDNR, 12-7-2016 Agreement with \$190,554 limit for NDNR and 60% NDNR/40% TBNRD split, Water down to MP 19.3					\$ 20,706.18		\$ 20,706.18		
1/1/2017 to 1/30/2017	1631.6	45.68		For TBNRD, 1-23-17 Ammendment for \$164,800 limit.													\$ 74,531.49			\$ 74,531.49	
	2447.4	45.68		For NDNR, 1-23-17 Ammendment for \$247,200 limit.													\$ 111,797.23		\$ 111,797.23		
1/1/2017 to 1/31/2017	4570.7	45.68		For PRRIP, 9-26-16 Agreement, 8,000 af limit													\$ 208,789.58	\$ 208,789.58			
1/1/2017 to 2/14/2017									599.4	42.33		For TBNRD, 1-23-17 Ammendment for \$164,800 limit. Water to MP 19.3					\$ 25,372.60			\$ 25,372.60	
									899.1	42.33		For NDNR, 1-23-17 Ammendment for \$247,200 limit. Water to MP 19.3					\$ 38,058.90		\$ 38,058.90		
1/1/2017 to 2/14/2017													338.50	30.08		down to MP 13.3, 25% of diversions for NDNR, 9-20-2016 Agreement, 2,666 af limit	\$ 10,182.08		\$ 10,182.08		
1/1/2017 to 2/14/2017													1015.40	30.08		down to MP 13.3, 75% of diversions for PRRIP, 9-26-2016 Agreement, 8,000 af limit	\$ 30,543.23	\$ 30,543.23			
9/15/2017 to 10/12/2017													1353.50	30.08		down to MP 13.3, 75% of diversions for PRRIP, 10-20-17 Agreement	\$ 40,713.28	\$ 40,713.28			
													451.20	30.08		down to MP 13.3, 25% of diversions for NDNR, 9-20-2016 Agreement, 2,666 af limit	\$ 13,572.10		\$ 13,572.10		
11/28/2017 to 12/22/2017	6953.6	45.68		For PRRIP, 10-20-17 Agreement, 8,000 af limit, All diversion to PRRIP until 12-15-17 when NDNR/TBNRD signed agreement, then 50%/50% split with them													\$ 317,640.45	\$ 317,640.45			

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Dates of Recharge diversions	Elwood Reservoir Diversions				Elwood Releases				E65 Canal				Phelps Canal				Funds				
	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/other	Notes	AF, in	\$/af	\$/othe	Notes	Total \$	PRRIP	NDNR	TBNRD	NGPC
12/15/2017 to 12/22/2017	657.5	50.68		For TBNRD, 12-15-17 Agreement, 50/50 split with PRRIP and then 40% of that split to TBNRD, 13,500 af limit for State and TBNRD combined													\$ 33,322.10			\$ 33,322.10	
	986.3	50.68		For NDNR, 12-15-17 Agreement, 50/50 split with PRRIP and then 60% of that split to State, 13,500 af limit for State and TBNRD combined													\$ 49,985.68		\$ 49,985.68		
									66.6	42.33		For TBNRD, 12-15-17 Agreement, Contract No. 1024, 40% split to TBNRD, 60% to NDNR, 13,500 af limit for State and TBNRD combined					\$ 2,819.18			\$ 2,819.18	
									100	42.33		For NDNR, 12-15-17 Agreement, Contract No. 1024, 60% of that split to NDNR, 40% split to TBNRD, 13,500 af limit for State and TBNRD combined					\$ 4,233.00		\$ 4,233.00		
12-1-2017 to 12-31-17													1317.70	30.08		down to MP 13.3, 75% of diversions for PRRIP, 10-20-17 Agreement	\$ 39,636.42	\$ 39,636.42			
													439.20	30.08		down to MP 13.3, 25% of diversions for NDNR, 9-20-2016 Agreement, 2,666 af limit	\$ 13,211.14		\$ 13,211.14		

Phelps Canal Recharge Map - 2017 Platte Basin Annual Report Appendix D



North Dry Creek Augmentation Pumping - 2017 Platte Basin Annual Report
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Augmentation Production Well #1			
G-159762		Well ID: 210850	
NWNE 27-8N-16W		NAD 83	
Lat: N40 38' 25.91700"		Long: W99 06' 59.91771"	
Surface Elev: 2156.92'		Stickup: 2.25'	
Well Depth=53'	Bore Hole: 30'	8" Column Pipe: 0'-40'	
16" Screen: 53'-23' / 0.085 Slot	River Gravel Pack: 53'-16'	8" Submersible 20 HP Pump: 40'-50'	
16" Plain: 23'-0'	Bentonite Chunks: 16'-0'	8" McCrometer Meter: Totalizer Acre/Inches	
Start Date / Time	End Meter	Ac/In Annual Total	Annual Total Gallons
10/24/2011 12:00	18.39	18.39	499,362
10/22/2012	4511.65	4493.26	122,009,982
11/7/2013	7762.48	3250.86	88,273,852
9/29/2014	8206.91	444.43	12,068,052
11/13/2015	8631.71	424.80	11,535,019
8/2/2016	9275.33	643.62	17,476,857
10/26/2017	5081.51	5806.18	157,661,012

Augmentation Production Well #2			
G-173880		Well ID: 234693	
SESE 5-7N-16W		NAD 83	
Lat: N40 35' 52.60"		Long: W99 08' 34.80"	
Surface Elev: 2182.95'		Stickup: .88'	
Well Depth=103'	Bore Hole:	8" Column Pipe: 0'-60'	
16" Screen: 103'-63' / 0.085 Slot	River Gravel Pack: 103'-15'	8" Submersible 25.63 HP Pump: 40'-50'	
16" Plain: 63'-0'	Bentonite Chunks: 15'-0'	8" McCrometer Meter: Totalizer Acre/Inches	
Start Date / Time	End Meter	Ac/In Annual Total	Annual Total Gallons
11/3/2014	0.00	0	0
11/13/2015	54.84	54.84	1,489,125
8/23/2016	247.49	192.65	5,231,218
7/27/2017	1465.30	1217.81	33,068,413