2013 Annual Report of Integrated Water Management Activities in the Platte Basin Within Tri-Basin NRD

Tri Basin Natural Resources District
1723 Burlington Street
Holdrege, Nebraska 68949
(308) 995-6688
www.tribasinnrd.org
email: tribasin@tribasinnrd.org

June 2014

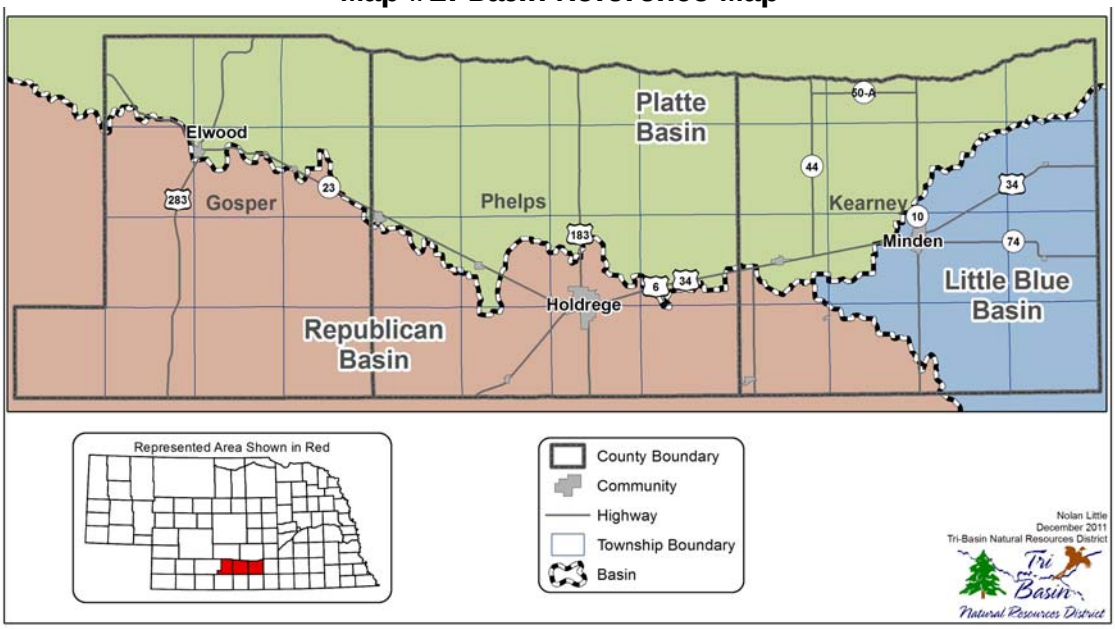
ANNUAL REPORT OF WATER USE ACTIVITIES
IN THE PLATTE BASIN WITHIN TRI-BASIN NRD
TO MEET THE REQUIREMENTS OF THE JOINT INTEGRATED MANAGEMENT PLAN
FOR THE 2014 BASIN-WIDE MEETING

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, 2013, of 298,977.01

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	Commingled Acres
Gosper County	2010	35,755.63	
	2011	35,755.64	10,804.80
	2012	35,737.43	10,581.80
	2013	35,696.95	10,397.80
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
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

IV. APPROVED CERTIFIED ACRE AND GROUNDWATER TRANSFERS

A. TBNRD allows certified irrigated acres to be transferred from one parcel to another within the Platte Basin portion of the district, with some limitations. These limitations include a prohibition on transfers from the fully appropriated portion of the district to the overappropriated area. Certified irrigated acres also cannot be transferred from parcels with surface water or commingled water resources to parcels that have groundwater wells as their only water source.

Furthermore, district rules require that the number of certified acres that can be transferred be limited or "discounted" to insure that there isn't an increase in depletions to streamflows when acres are transferred from low to higher depletion zones. Between January 1, 2013 and December 31, 2013 the district approved 16 certified irrigated acre transfers in the Platte Basin. A total of 250.82 certified irrigated acres were involved in these transfers. However, only 234.33 certified irrigated acres were re-assigned to new locations as a result of these transfers, because of differences in depletion factors on the parcels of land involved.

TABLE 2A: Platte Basin Transfers-Acres at Original Locations

NRD Permit Number	Legal Description	Acres Dried Up
TBAT-0155	SE 1/4 Section 28-7-16	10.72
TBAT-0157	Lots 7, 8, 9 Section 12-8-19	77.1
TBAT-0158	South 1/2 Section 1-7-17	15
TBAT-0162	N 1/2 Section 30-8-21	15
TBAT-0164	NE 1/4 Section 30-7-16	21
TBAT-0137	NE 1/4 Section 28-8-20	19
TBAT-0171	S 1/2 & NE 1/4 Section 4-6-16	7
TBAT-0192	Pt N 1/2 Section 23-8-22	6
TBAT-0193	NW 1/4; W 1/2 NE 1/4; & SW 1/4 Section 26-8-23	21
TBAT-0194	NW 1/4; W 1/2 NE 1/4; & SW 1/4 Section 26-8-23	7
TBAT-0195	NW 1/4; W 1/2 NE 1/4; & SW 1/4 Section 26-8-23	5
TBAT-0196	SW 1/4 Section 23-8-23	10
TBAT-0197	NW 1/4 Section 13-6-20	3
TBAT-0205	NE 1/4 Section 20-7-19	3.5
TBAT-0206	NE 1/4 Section 20-7-19	8.5
TBAT-0207	S 1/2 Section 21-7-17	22

Data regarding the location, amount and conditions associated with each transfer can be found in **TABLE 2A: Platte Basin Transfers-Acres at Original Locations** (page 3) **and TABLE 2B: Platte Basin Transfers-Acres at New Locations** (below).

TABLE 2B: Platte Basin Transfers- Acres at New Locations		
NRD Permit Number	**Legal Description**	**New Irrigated**
TBAT-0155	N 1/2 of SW 1/4 Section 27-7-16	10.72
TBAT-0157	SW 1/4 Section 22-8-16	77.1
TBAT-0158	NE 1/4 Section 28-7-16	15
TBAT-0162	NW 1/4 Section 35-8-21	15
TBAT-0164	SE 1/4 Section 14-7-17	13.44
TBAT-0137	NE 1/4 Section 30-8-19	19
TBAT-0171	SW 1/4 Section 33-8-16	4.03
TBAT-0192	All of Section 24-8-22	6
TBAT-0193	NW 1/4 Section 22-8-19	15.04
TBAT-0194	SE 1/4 Section 18-7-17	7
TBAT-0195	Lots 9-10; 15-16 Section 18-7-17	5
TBAT-0196	Lots 9-10; 15-16 Section 18-7-17	10
TBAT-0197	SW 1/4 Section 13-6-20	3
TBAT-0205	Pt NW 1/4 Section 21-7-19	3.5
TBAT-0206	Pt NW 1/4 Section 21-7-19	8.5
TBAT-0207	S 1/2 Section 15-7-17	22

B. TBNRD regulates groundwater pumping off of overlying land by requiring landowners to secure groundwater transfer permits before they can pump groundwater to properties that are not under the same ownership. Groundwater transfer permits can only be used to supply groundwater for irrigation of certified irrigated acres. Landowners are required to install flowmeters on wells that are permitted for transfers and to report pumping from these wells annually to the TBNRD. TBNRD issued four permanent groundwater transfer permits in the Platte Basin between January 1, 2013 and December 31, 2013. 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. Seven temporary Groundwater Transfer Permits were issued by the NRD in 2013. Data regarding groundwater transfers can be found in **TABLE 3: Groundwater Transfers** (below).

TABLE 3: Groundwater Transfers					
NRD Permit Number	**Legal Description**	**Well Registration Number**	**Well ID Number**	**Certified Acres Watered with Well**	**Transfer Type**
GWT-0283	W 1/2 of SE 1/4 23-8-16	G-013149	223630	5	Permanent
GWT-0285	NE 1/4 30-7-20	G-035840	221855	133	Temporary
GWT-0291	NE 1/4 14-6-18	G-025781	32345	132.31	Temporary
GWT-0292	NE 1/4 30-7-20	G-035840	221855	140	Temporary
GWT-0293	NE 1/4 30-7-20	G-035840	221855	14	Temporary
GWT-0294	NE 1/4 30-7-20	G-035840	221855	151	Temporary
GWT-0295	NE 1/4 30-7-20	G-035840	221855	150.43	Temporary
GWT-0296	SW 36-7-18	G-015126	20689	38	Temporary
GWT-0299	Pt NW 1/4 21-7-19	G-0038793	136007	8.5	Permanent
GWT-0300	NE 1/4 26-6-18	G-041996	49278	14	Permanent
GWT-0301	NE 1/4 26-6-18	G-041996	49278	6	Permanent

V. WELL CONSTRUCTION PERMITS

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

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

B. **TABLE 4: TBNRD Well Permits** (below) is a breakdown of well permits that TBNRD issued in the Platte Basin between January 1, 2013 and December 31, 2013. A detailed listing of well permits issued by TBNRD in 2013 is found in **TABLE 5: Well Permit Summary** (below).

TABLE 4: TBNRD Well Permits

Well Permit Type	Permits
New (variance) irrigation	1
Replacement irrigation	55
Conditional replacement irrigation - supplemental to groundwater	3
Conditional replacement irrigation - supplemental to surface water	17
Dewatering	0
New commercial/industrial	0

TABLE 5: Well Permit Summary

Permit Number	Well Permit Type	Legal Description	NDNR Reg. Number	Well ID Number
TBSS-1420	Supplemental to Surface Water	Section 12 - 7N - 19W	G-166108	222272
TBSS-1432	Supplemental to Surface Water	Section 11 - 7N - 21W	G-167697	222232
TBSS-1434	Supplemental to Surface Water	Section 32 - 8N - 20W	G-166720	222354
TBTF-1433	Transferred Acres (Variance)	Section 22 - 8N - 16W	G-167416	222557
TBSS-1436	Supplemental to Surface Water	Section 20 - 7N - 17W	G-170397	222559
TBSS-1437	Supplemental to Surface Water	Section 33 - 7N - 15W	G-167889	222616
TBSS-1439	Supplemental to Surface Water	Section 15 - 7N - 21W	G-167700	222753
TBSS-1440	Supplemental to Surface Water	Section 28 - 7N - 15W	G-167954	223105
TBSS-1442	Supplemental to Surface Water	Section 30 - 7N - 15W	G-167286	223104
TBSS-1441	Supplemental to Surface Water	Section 31 - 7N - 19W	G-168005	223141
TBSS-1444	Supplemental to Surface Water	Section 23 - 6N - 18W	G-167483	224220
TBSG-1446	Supplemental to Groundwater	Section 8 - 7N - 16W	G-169866	224583
TBSS-1451	Supplemental to Surface Water	Section 33 - 8N - 20W	G-169763	225845
TBSS-1450	Supplemental to Surface Water	Section 12 - 6N - 19W	G-168610	217989
TBSG-1454	Supplemental to Groundwater	Section 28 - 8N - 14W	NDY	
TBSS-1455	Supplemental to Surface Water	Section 3 - 6N - 16W	NDY	
TBSS-1458	Supplemental to Surface Water	Section 3 - 6N - 20W	NDY	
TBSG-1463	Supplemental to Groundwater	Section 29 - 8N - 15W	NDY	
TBSS-1465	Supplemental to Surface Water	Section 18 - 6N - 15W	NDY	
TBSS-1464	Supplemental to Surface Water	Section 8 - 6N - 15W	NDY	
TBSS-1466	Supplemental to Surface Water	Section 27 - 7N - 16W	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. One new irrigation well construction permit variance was issued in the Platte Basin between January 1, 2013 and December 31, 2013.

Tri-Basin NRD corrected the district's certified acre database by certifying 165.95 acres in 14 parcels that had a history of irrigation between 1997 and 2005. Beginning in October 2013, producers also had to show proof that the corrected acres had been watered three out of the past five years. These acres weren't previously included in the district's database, because they weren't classified as irrigated cropland by county assessors. Tri-Basin NRD also adjusts the district's irrigated acre database as a result of revisions made by county assessors to taxable irrigated acres. Additions or reductions of taxable irrigated acres of four acres or less are automatically accepted by the district. Larger additions or reductions must be reviewed by the NRD board before they are approved. A net total of 212.95 certified acres were added to the district's Platte Basin certified acre totals as a result of these assessor corrections. This large number is primarily the result of the Phelps County Assessor reclassifying streams and ditches that were previously categorized as wasteland as irrigated cropland or grassland. Seven of the corrections listed in Table 6 below were the result of Assessor corrections of more than four acres, which required NRD board approval. Tri-Basin NRD's Platte Basin Certified Irrigated Acre Corrections data is below in **TABLE 6: Platte Basin Certified Irrigated Acre Variances** (below).

TABLE 6: Platte Basin Certified Irrigated Acre Variances

Date Approved	Type of Variance	Legal Description	Affected Acres
1/15/2013	Variance granted on request to drill a new well	SW 1/4 Section 22-8-16	
1/15/2013	Reassigned certified irrigated acres within a parcel	NE 1/4 Section 27-7-15	
1/15/2013	Certified Acre Correction Request	Pt S 1/2 Section 11-7-16	24.4
2/12/2013	Certified Acre Correction Request	NE 1/4 Section 30-7-16	26.55
4/9/2013	Certified Acre Correction Request	Pt SW 1/4 Section 29-8-20	3.91
4/5/2013	Assessor Notification	1/2 NW 1/4; Pt E 1/2 SW 1/4 Section 8-7-21	12.48
7/9/2013	Certified Acre Correction Request	SW 1/4 Section 10-6-16	28.8
7/9/2013	Certified Acre Correction Request	Pt SE 1/4 Section 18-6-16	27.2
8/20/2013	Certified Acre Correction Request	NE 1/4 Section 26-8-20	5.35
8/20/2013	Certified Acre Correction Request	East 1/2 Section 12-7-17	5.55
8/20/2013	Certified Acre Correction Request	Pt SW 1/4; W 1/ SE 1/4 Section 35-8-19	7.36
8/20/2013	Certified Acre Correction Request	Pt SW 1/4 Section 12-6-18	5.42
8/20/2013	Certified Acre Correction Request	SE 1/4 Section 12-6-18	4.11
8/20/2013	Variance on required well abandonment [No certified irrigated acres]	SE 1/4 Section 13-8-22	
8/20/2013	Variance on Well permit - Driller did not abandon in time frame New well permit required	NW 1/4 Section 12-6-19	
11/12/2013	Certified Acre Correction Request	Lots 7-8 Section 19-7-17	7.15
12/10/2013	Certified Acre Correction Request	W 1/2 of SE 1/4 Section 36-7-16	4.51
12/10/2013	Certified Acre Correction Request	E 1/2 of SE 1/4 Section 36-7-16	3.16

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

(Continued on next page)

TABLE 7: Platte Basin Municipal Water Use Data (continued)					
		2010	2011	2012	2013
Funk	Jan.	1,707,668	1,530,000	1,889,000	1,163,000
Pop. 194	Feb.	1,707,667	1,241,000	1,549,000	1,029,000
(2010 census)	Mar.	1,707,667	1,410,000	1,106,000	1,119,000
	Apr.	1,707,667	1,510,000	1,053,000	1,215,000
	May	1,707,667	2,081,000	2,432,000	1,830,000
	June	1,707,667	2,666,000	4,285,000	2,727,000
	July	2,482,000	2,833,000	3,508,000	4,608,000
	Aug.	2,455,000	2,656,000	2,773,000	3,154,000
	Sept.	2,035,000	2,614,000	3,043,000	2,247,000
	Oct.	2,061,000	1,732,000	1,990,000	1,123,000
	Nov.	1,578,000	1,500,000	1,251,000	780,000
	Dec.	1,321,000	1,630,000	1,152,000	748,000
Funk Totals		**22,178,001**	**23,403,000**	**26,031,000**	**21,743,000**
Loomis	Jan.	1,589,000	1,287,000	1,709,000	1,254,000
Pop. 382	Feb.	3,217,000	2,080,000	1,033,000	783,000
(2010 census)	Mar.	3,815,000	1,254,000	1,553,000	1,124,000
	Apr.	1,887,000	1,953,000	2,428,000	1,534,000
	May	2,604,000	3,231,000	7,072,000	5,182,000
	June	2,384,000	4,369,000	10,692,000	7,094,000
	July	5,508,000	5,352,000	15,290,000	11,508,000
	Aug.	6,722,000	6,655,000	7,847,000	7,579,000
	Sept.	5,741,000	6,671,000	8,014,000	7,236,000
	Oct.	5,521,000	3,976,000	4,510,000	2,221,000
	Nov.	1,928,000	2,551,000	1,855,000	1,393,000
	Dec.	1,607,000	1,304,000	984,000	1,298,000
Loomis Totals		**42,523,000**	**40,683,000**	**62,987,000**	**48,206,000**
Smithfield	Jan.	69,7000	232,300	311,700	167,700
Pop. 54	Feb.	192,000	332,000	169,600	158,400
(2010 census)	Mar.	231,200	553,600	212,300	106,400
	Apr.	107,500	555,200	145,100	269,100
	May	135,900	420,600	611,300	373,800
	June	335,000	270,100	959,500	690,600
	July	407,700	440,600	959,700	555,300
	Aug.	734,700	801,200	650,100	601,500
	Sept.	465,900	602,000	620,700	350,200
	Oct.	237,200	321,000	332,900	211,600
	Nov.	184,300	234,300	290,900	181,400
	Dec.	238,700	202,800	112,800	195,000
Smithfield Totals		**3,339,800**	**4,965,700**	**5,376,600**	**3,861,000**

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 2013 is shown in the next two tables. A summary of Municipal Water Use may be found in **TABLE 7: Platte Basin Municipal Water Use Data** (pages 7 and 8). **TABLE 8** (below) shows Industrial and Commercial Water Use Data.

TABLE 8: Platte Basin Industrial and Commercial Water Use Data

NDNR Reg. Number	Well ID Number	Owner	Legal Description	Gallons Pumped
G-134413-R1	194280	KAAPA Ethanol LLC	Sect. 13-6N-16W	72,887,600
G-123754-R2	210900	KAAPA Ethanol LLC	Sect. 13-6N-16W	53,000
G-123753-R1	194279	KAAPA Ethanol LLC	Sect. 13-6N-16W	124,521,500
G-124061	152898	KAAPA Ethanol LLC	Sect. 13-6N-16W	47,915,000
G-071962	80124	Mosaic	Sect. 15-6N-16W	1,000
G-071961	80123	Mosaic	Sect. 15-6N-16W	19,800
G-073875	82215	Village of Bertrand	Sect. 6-6N-20W	19,296,000
G-139944	171644	Ft. Kearny Consolidated	Sect. 6-7N-14W	0
G-116982	141058	KGLD LLC	Sec. 11-7N-16W	86,829,600
G-147025	188561	Paul Johnson & Sons	Sect. 10-7N-20W	6,729,520
G-095842	112013	Aurora Coop	Sect. 19-7N-20W	926,000
G-093253	106683	Wolfdenn Dairy	Sect. 28-8N-16W	3,832,500
G-093254	106684	Wolfdenn Dairy	Sect. 28-8N-16W	3,832,500
G-087812	99723	Rusty's Fertilizer Inc	Sect. 21-8N-18W	835,200
G-080853	89509	Nebraska Public Power District	Sect. 4-8N-21W	108,000
G-073205	81395	Nebraska Public Power District	Sect. 4-8N-21W	131,400,000
G-156977	199850	CNPP&ID	Sect. 7-8N-21W	373,599,755
G-092923	102854	CNPP&ID	Sect. 4-8N-22W	114,769,368
G-122576	151178	Bullhead Point Association	Sect. 5-8N-22W	6,273,500
G-076780-R1	124121	Lakeside Country Club	Sect. 8-8N-22W	24,024,000
G-076515	85080	Lakeside Country Club	Sect. 8-8N-22W	20,592,000
G-140875	177118	Gosper/Dawson Co. SID #1	Sect. 17-8N-22W	0

VIII. FLOWMETER DATA

TBNRD requires flowmeters to be installed and annual water use to be reported to TBNRD whenever landowners drill new wells, receive irrigation-related cost-share funds, or when groundwater is transferred from one property to another. In 2013 landowners reported data from 379 flowmeters in the Platte Basin. The metered wells reported irrigating 44,532.83 certified irrigated acres. Due to the installation of additional reporting flowmeters and more widespread use of supplemental irrigation wells by CNPPID customers, flowmeter data were reported on 5516.17 more irrigated acres than were reported in 2012. All District flowmeter data is reported annually to the Department of Natural Resources (DNR) for purposes of Republican River Basin Compact Administration accounting. Platte Basin flowmeter data is included in Appendix B.

IX. OTHER WATER BANKING ACTIVITIES

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

X. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

Tri-Basin NRD paid CNPPID to divert 2906 acre-feet of water from the Platte River into Elwood

Reservoir in Gosper County in 2008 and 2009. Tri-Basin NRD accrued an estimated 446 acre-feet credit in 2013 in the Platte Basin as a result of seepage into the aquifer from these diversions, according to calculations by DNR staff (TBNRD_offset_summary_update_7_19_10.xls). TBNRD and DNR paid CNPPID to divert approximately 15,000 acre-feet into Elwood and the E-65 canal during the Fall of 2013. In both instances, these diversions were above and beyond normal diversions into the reservoir for irrigation deliveries, and were made when Platte streamflows exceeded target flows.

TBNRD and DNR paid CNPPID to divert 5550 acre-feet of water that became available as a result of Platte flows exceeding water rights and USFWS Target Flow requirements, into the Phelps County Canal in the Fall and Winter of 2011. This water was stored in a section of the canal (from the Supply Canal terminus up to canal mile post 9.7) and allowed to seep away to enhance groundwater recharge and Platte baseflows. DNR staff calculated the credit toward offsetting depletions to Platte River baseflows from this enhanced recharge (Recharge_2011_042712.xls) as 69 acre-feet for 2013 and 911 acre-feet annually by 2021. The agencies paid CNPPID to divert an additional 3890 acre-feet of floodwater into the Phelps Canal in 2013.

The Platte River Recovery Implementation Program (PRRIP) paid CNPPID to divert 4088 acre-feet of water into the Phelps County Canal in 2012. While it can't be used as a credit to offset depletions to Platte baseflows from post-1997 uses, this enhanced recharge is estimated, using DNR spreadsheet tool "Recharge_2011_042712.xls", as providing 721 acre-feet of baseflow enhancements by 2022. The PRRIP paid Central to divert an additional 5897 acre-feet of floodwater in 2013.

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

Tri-Basin NRD also accrued credit for 218.67 acre-feet of water pumped into the Platte River near Kearney in 2013 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 2013 through 25 contracts totaling 235.3 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 73,964.26 certified irrigated acres in the Platte Basin portion of the district during 2013 (see Appendix C). It is estimated that no-till or minimum tillage practices have been adopted on at least 150,000 irrigated acres in the Platte Basin portion of the district. Recent university research (Klocke, et al, 2009) indicates that evapotranspiration (ET) is reduced by as much as 3 inches per acre on irrigated cropland, as compared to conventional tillage systems, so if the estimates of no-till acres are accurate, as much as 37,500 acre-feet of water was conserved in the Platte Basin in TBNRD in 2013 through this conservation practice.

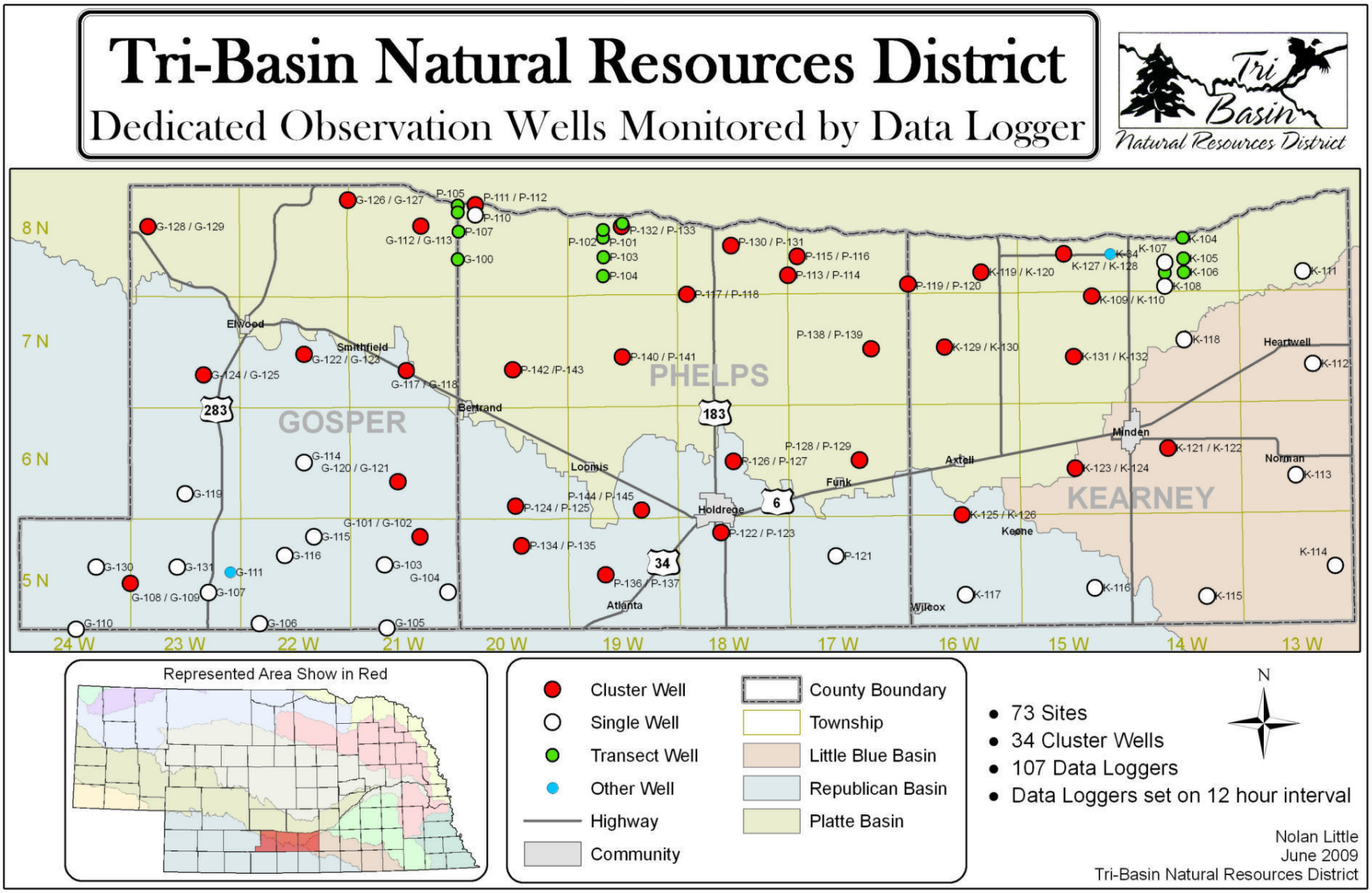
Tri-Basin NRD signed agreements with DNR, Central Platte NRD (CPNRD) and Twin Platte NRD to participate in funding the proposed "J-2 Re-regulation Reservoirs" project southwest of Overton, Nebraska. It is anticipated that these reservoirs will store up to 8000 acre-feet of water, and that they will fill as often as three times per year. Water will be released to the Platte River to benefit endangered Whooping Cranes, Least Terns and Piping Plovers. Tri-Basin NRD expects to accrue 2040 acre-feet per year of depletion offset credit from its participation in this project.

Finally, Tri-Basin NRD and Central Platte NRD reached an agreement in 2013 that will enable TBNRD to compensate CPNRD in return for accruing credit from Platte baseflow enhancements that result from rehabilitation of three irrigation canal systems in Dawson County. TBNRD expects that, in 2014, CPNRD will provide as much as 2000 acre-feet of water to offset depletions caused by groundwater irrigation in TBNRD.

XI. GROUNDWATER LEVELS

TBNRD has an extensive network of 109 dedicated groundwater observation wells (60 in the Platte Basin) and 89 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 Natural Resources District
New Well and Conditional Replacement Well Permit
Applicant Certification and Agreement

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

NRD Permit #_____ Applicant _____

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

_____ ¼ Section _____ T _____ N - R _____ W _____

******

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

☐ _____ 1. Applicant agrees to offset any "new depletions" to streamflows of the Platte River, Little Blue River, Republican River, or their tributaries that may be determined to be associated with use of this well. Applicant agrees to use methods to offset those depletions that are deemed acceptable by the NRD and the State of Nebraska. Applicant understands and agrees that Applicant's failure to offset said new depletions may result in closure of this well or restrictions being imposed by the NRD on the number of acres of land that can be irrigated by this well.

☐ _____ 2. Applicant agrees to abide by well spacing and pumping capacity limitations that apply to the well that is the subject of this permit, whether such limitations arise pursuant to federal or state law or by rule or regulation of the NRD. Applicant understands and agrees that Applicant's failure to comply with all rules and regulations of the NRD that pertain to this well may result in closure of this well and civil or criminal prosecution and other penalties.

☐ _____ 3. Applicant agrees to comply with all current and future rules and regulations of the NRD that pertain to this well. Applicant understands and agrees that Applicant's failure to comply with all rules of regulations of the NRD that pertain to this well may result in closure of this well and civil or criminal prosecution and other penalties.

☐ _____ 4. Applicant agrees to maintain any and all surface water rights associated with the land to be irrigated by this well for the lifespan of the permitted well. Applicant understands and agrees that Applicant's failure to comply with all rules and regulations of the NRD that pertain to this well may result in closure of this well and civil or criminal prosecution and other penalties (conditional replacement wells only).

☐ _____ 5. Applicant agrees to irrigate only land that has been certified for irrigation by the NRD (no new irrigated acres will be allowed). Applicant understands and agrees that Applicant's failure to prevent irrigation of land not certified for irrigation by the NRD may result in closure of this well and prosecution by the State of Nebraska (conditional replacement wells only).

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

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
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
A-005254	805	152	65,640,500	
A-005527	1006	132.3	51,521,200	
A-005544-R1	113944	135	58,584,700	
A-005573-R1	203922	208	46,942,900	Supplemental to surface water well -Used well to water pivot near by due to
A-005616	1053	129.7	46,907,177	
A-005851-R1	1223	151	36,279,200	
A-005964B-R1	182843	116	30,254,443	
A-005987	1325	73.9	33,420,200	
A-006470	1647	130	65,302,111	
A-006862	1917	148	77,605,700	
A-008164-R1	174548	150	52,790,000	Estimate based on adjacent field. Meter not working correctly. Called Rich 11-19-13 told him meter had to be fixed and to call when it was so we could do an in-
G-000273-R1	98237	130	90,914,850	
G-000559	3859	97	40,175,900	
G-000597-R1	207683	135	31,609,156	
G-000671-R1	3992	300	84,719,700	
G-001127	4516	130	47,200,440	
G-001152	4544			Well not used in 2013
G-001228-R1	92085	73	64,202,200	
G-001498	4954	143.49	27,313,000	20.7 total inches from 2 meters.
G-002216-R1	166014	128	45,288,200	
G-002383-R1	128836	132	35,746,400	
G-003468	7201	77	51,233,000	
G-005097-R1	114236	137	46,897,000	
G-005392	9390			Well not used in 2013
G-007340-R1	162706	130	36,429,100	
G-007342-R1	162707	119	41,193,900	
G-007488-R1	11845	157	2,256,192	Supplemental to surface water well
G-009596	14319	71.6	30,331,200	
G-010388-R1	213868	65	14,296,037	
G-011745-R1	16802	132.4	64,569,700	
G-012651-R1	191520	67	20,402,700	

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-013097-R1	121819	132	29,551,800	Supplemental to surface water well -Surface water on corners.
G-013423-R1	209336	260	87,192,851	
G-013974	19370	155.4	64,159,471	Corrected beginning reading according to producer.
G-014026	19432	146	29,778,300	Supplemental to surface water well
G-016206	21928	115	36,559,100	made correction for 2012 according to info sent in by producer other crop alfalfa
G-016616-R1	169839			Well not used in 2013.
G-016633	22408	75	38,979,900	
G-017090-R1	172826	131.6	49,440,000	Estimate from hours. Meter did not work. Will fix for 2014.
G-020681	26927	133.6	57,320,736	
G-020831	27090	120	32,322,763	
G-021172	27458	98	42,072,800	
G-021193	27482	124	49,778,712	
G-021735-R1	28060	132	65,653,000	Had meter worked on. Must have reset to zero.
G-021830-R1	163082			Well not used in 2013 - Supplemental Well
G-022950	29350	130	38,097,700	
G-023149	29563	26	13,015,726	
G-023266	29683	149	42,546,700	
G-023615	30058	135	35,282,800	
G-024078-R1	98512	129.56	63,528,700	
G-024327	30807	135	63,833,000	Had meter worked on. Must have reset to zero.
G-024459-R1	97819	75	39,999,000	Estimate
G-025069	31589	149	48,551,352	Estimate from producer.
G-025152	31677	125	36,684,300	
G-025207	31736	130	15,390,400	Supplemental to surface water well
G-025550	32099			Well not used in 2013
G-025703	32260	144.7	76,068,000	
G-025803	32369	140	60,593,500	
G-026446	33051	167	42,249,180	
G-027184	33850	140	39,547,000	
G-028077	34788	146	44,809,000	
G-028636	35400	132	30,046,200	

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-028660-R2	160179	135	47,236,400	
G-028765-R1	35540	142	10,519,300	appears to be new meter on, Supplemental well on beans
G-028884	35667	140	54,305,500	
G-029347	36156	104.7	31,070,000	
G-029951-R1	217569	40	21,425,863	
G-030265	37128	50	28,564,921	Also used a small amount of surface water in 2013
G-030668-R1	164677	135	33,555,900	
G-030936-R1	176011	120	41,164,200	
G-031102	38030	133	34,416,000	
G-031354	38311	133	101,598,000	
G-031657	38620	62	40,181,600	
G-031862-R1	170685	147.5	47,013,600	
G-031885-R1	168468	149.9	52,976,900	
G-032462-R1	166009	124	63,178,600	
G-033788	40819	147.2	44,089,100	Supplemental to surface water well
G-033845	40877	132	57,875,700	
G-034024	41062	85	42,703,000	Drip tape irrigated
G-034034-R1	93086	77	28,450,600	
G-034522	41576	20	36,240,500	High reading because well pumped water into canal for pivot
G-034601	41656	75	42,232,600	
G-034607-R1	95424	191	75,678,198	
G-034763	41826	142.1	39,420,000	Estimate based on hours & gpm. Producer reports meter failed.
G-034808	41871	134	54,579,540	Estimate
G-035027	42096	116.7	34,072,300	
G-035028	42097	144	45,435,100	
G-035046-R1	149129	94.08	37,046,900	
G-035210-R1	42287	132	32,584,800	
G-035306	42390	136	32,415,359	
G-061501-R1	221352	152	63,174,400	
G-036219-R1	213455	130	52,709,444	
G-036447-R1	203726	135	34,958,500	
G-036500	43633	132	65,822,000	Had meter worked on. Must have reset to zero.

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-036677	43812	130	49,392,854	
G-037041	44181	40	15,246,500	
G-037347	44495			Well not used in 2013 - Supplemental Well
G-037931	45093	140	19,003,800	
G-038167-R2	209014	134	30,369,100	
G-038172	45343	130	50,749,468	
G-039054	46251	119	42,163,916	
G-039106	46304	128	47,534,700	
G-039663-R1	199851	95	10,578,600	
G-040337	47575	135	37,656,300	
G-041057	48311	79	46,840,650	
G-041183	48439	142	65,898,100	
G-041350	48611	127	44,852,977	
G-041369-R1	188563	66	38,504,900	
G-041826	49107	138	52,903,800	
G-042824	50125	159.94	66,967,700	
G-042992-R1	191750	135	50,523,100	
G-043275-R1	50593	137	45,421,038	
G-043276-R1	169041	130	41,621,108	
G-043366-R1	127238	88	28,024,100	
G-043947	51286	137	36,718,000	
G-044222	51568	165	86,419,400	
G-044570	51919	30	9,368,130	Estimate based on another well's usage.
G-044608	51959	132	16,927,100	
G-044918	52271	198.4	66,792,866	
G-045284	52644	135.13	41,710,300	5 acres alfalfa. 14 inches per acre total from 2 meters.
G-045549-R1	118572	135.9	69,156,000	Estimate by hours- meter was broken by cattle sent in to Aurora will get back on
G-046434	53847	147	68,328,700	
G-048424	55885	154	61,566,100	
G-050030	57531	154	56,835,000	
G-053870	61445	150	23,345,700	
G-054523	62111	150	52,872,300	

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-055521	63130	136.8	126,292,167	
G-056004	63618	102.5	43,455,400	
G-056606-R1	64243	133	52,956,000	
G-057082	64744	130	42,976,900	
G-000317-R2	219289	132	52,888,700	
G-059592	67347	131	43,224,800	
G-060797-R1	212228	100	8,602,400	Reads in acre inches per staff meter inspection.
G-061654	69490	150.5	56,431,900	
G-061946	69783	127.48	29,721,500	Hailed out. Baled then planted sorghum.
G-057427-R1	222051	202	78,149,000	
G-063158	71057	156	45,353,400	
G-063232	71133	145	45,770,100	
G-063968	71890	130	70,238,165	
G-064069	71993	65.25	21,154,700	
G-064756	72722	78.4	32,941,800	
G-064840	72808	150	43,561,500	
G-065598	73589	130	75,531,837	
G-066270	74279	134	48,363,000	
G-066511	74530	131.6	70,006,200	
G-067478	75541	65	29,307,040	
G-067820	75893	135	49,255,800	
G-067926	76002	120	55,778,700	
G-067960	76038	132	75,708,900	
G-068903	77028	134.8	22,339,600	
G-069457	77609	67	26,373,800	
G-069536	77689	130	64,451,300	
G-069613	77769	275	104,417,449	
G-070731	78892	149.6	62,695,000	
G-070802	78963	135	43,349,000	
G-070946	79107	14	22,416,700	
G-071178-R1	162859	154	41,982,800	
G-071179	79340	120	65,204,000	

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-072455-R1	206053	132	41,797,880	
G-072667	80855	140	45,380,579	
G-072681	80869	20	4,299,900	
G-073863	82203	150	47,176,300	
G-074176	82517	130	36,952,520	
G-074256	82601	79	47,655,800	
G-074282	82627	134	52,222,000	
G-074365	82710	127	37,934,138	Estimate
G-074392	82739	76.07	33,162,100	
G-074662	83011	105	74,293,200	
G-087416	99269	140	67,168,949	
G-087842	99647	143	47,977,400	
G-091120	102868	142	69,743,600	
G-091407	102859	120	53,667,400	
G-094083	107849	130	31,214,300	
G-096555	109842	130	22,122,300	
G-096676	112194	130	38,099,505	
G-100388	114419	145	48,299,200	
G-110172	129232	134	45,513,000	
G-116457	140343	130	43,750,253	
G-116906	141679	95	41,492,600	Estimate from hours.
G-121077	147633	152.8	76,480,000	
G-121219	146009	97	22,211,000	Supplemental to surface water well
G-121894	148344	181.97	50,902,600	Supplemental to surface water well
G-122529	147634	78.2	25,137,000	
G-123303	149183	64	33,840,000	Estimate from hours [705], meter not working new operator
G-124617	152724	128	45,600,000	Estimate from hours. Producer says meter unreadable. Staff inspection says me-
G-125286	152448	40	17,655,300	
G-125287	152447	130	69,924,700	
G-127496	153919	127	49,512,100	
G-127559	155815	135	38,964,700	
G-128172	154500	37.5	23,665,200	

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-129150	154896	153	12,554,700	Supplemental to surface water well
G-129257	160440	136	26,392,400	Supplemental to surface water well
G-129577	158376	120	16,988,700	
G-129685	156989	136.2	48,065,295	
G-129692	160438	140	56,600,600	
G-130058	154894	95	38,900,000	Estimate - Meter not working. Producer will replace for 2014.
G-130108	159812	75	35,544,586	
G-130225	160878	156	41,595,100	
G-130559	156326	152.5	69,129,900	
G-130635	159808	19	16,252,100	
G-130699	161380	135.1	42,419,300	
G-130801	154254	130	56,013,300	
G-130918	161076	136	34,556,400	
G-130954	162385	10	12,437,500	
G-131043	161371	148	66,934,900	
G-131271	156876	130	8,268,000	Supplemental to surface water well
G-131440	156871	118	11,598,500	
G-131622	155819	100	42,878,000	Supplemental to surface water well
G-131623	155812	135	40,671,400	
G-131726	162133	118.1	41,543,000	
G-131774	163016	134	52,939,500	
G-131925	162127	133.04	30,872,000	
G-131927	161757	130	45,743,500	
G-131930	162388	122.6	52,744,100	
G-132158	163442	130	60,021,700	
G-132168	160566	135	60,417,500	
G-132241	165009	124	43,688,000	
G-132339	156879	129.42	43,529,600	
G-132340	156877	134.95	9,530,500	Supplemental to surface water well
G-132341	156875	128	34,943,600	
G-132344	156789	53	27,639,500	
G-132359	160881	132	16,201,977	Must have replaced meter. Producer reported beginning reading of 0 and acre

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-132512	161373	135	52,918,200	
G-132514	165545	165	15,738,458	Estimate - New owners in 2013, no beginning reading. Supplemental well. In-
G-132529	161379	123.7	62,654,100	
G-132531	161571	140	56,693,207	
G-132532	161572	141.12	76,900,300	
G-132544	159256	136.5	34,793,400	
G-132547	159597	153.5	34,133,300	
G-132644	160439	156.3	63,791,700	
G-132663	164229	153.1	42,861,700	
G-132700	165015	132	94,170,200	Potatoes.
G-132701	165016	132	106,194,000	White corn. Rolled completely over.
G-132733	159884	135	43,370,100	
G-132734	164687	115	61,809,835	
G-132768	165657	140.1	49,291,000	
G-132769	160567	144	65,285,100	
G-132798	159254			Supplemental to surface water well -Surface water used. Meter reads groundwa-
G-132840	160488	151	14,158,000	Supplemental to surface water well
G-133038	165739	130	48,605,000	
G-133180	161381	147	46,340,500	
G-133181	161382	147	48,163,400	
G-133233	162390	117	46,123,300	
G-133234	161749	148	46,758,400	
G-133235	158379	117	65,835,700	
G-133352	162136	135	37,295,747	
G-133405	165547	120	38,709,900	
G-133416	165335	52	13,784,700	
G-133421	161383	106	26,554,711	
G-133426	165471	65	21,744,400	
G-133471	163782	130	44,817,100	
G-133725	162123	130	47,345,000	
G-133759	160323	87	33,551,482	
G-133929	164406	75	65,405,900	

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-133952	166448		5,958,600	Fills Mosaic pond.
G-134113	166449	130	62,347,900	
G-134130	162140	132	68,961,200	
G-134132	162139	67	30,362,500	
G-134186	166699	75	24,000,000	Estimate from hours. Meter didn't work. Sent letter to have meter fixed.
G-134199	162134	130	37,197,178	
G-134206	166528	118	10,666,000	
G-134230	166010	130.47	22,595,200	Supplemental to surface water well
G-134566	160564	123	59,926,000	
G-134706	167566			Well not used in 2013 - Supplemental Well
G-134879	162601	65	31,556,000	
G-135119	169328	139.9	43,150,300	
G-135169	166605	147	47,803,900	
G-135192	167715	139.5	9,780,400	Supplemental to surface water well
G-135193	167716	65	9,700,000	Supplemental to surface water well
G-135213	166040	86	29,042,800	
G-135516	169018	120	47,383,900	
G-135532	160565	140	15,720,800	Supplemental to surface water well
G-135822	169468	99.6	33,285,700	
G-135950	161750	136	11,222,900	Supplemental to surface water well
G-136259	169013	88	33,895,200	Supplemental to surface water well
G-136650	169774	135	55,315,600	
G-136691	165017	135	37,921,100	
G-137318	169448	110	2,905,700	
G-137329	169841	134.3	45,870,000	Electronic meter. Reads total gallons each year; restarts at 0.
G-137381	170158	135	29,750,193	
G-137402	170172	145	72,753,983	
G-137403	170742	72	23,400,300	
G-137447	165018	135	26,013,400	
G-137937	172642	134	81,627,900	
G-137967	166808	292	61,082,400	
G-138203	172442	155	57,924,098	New meter. Holdrege Irrigation put on. Inspection confirmed new meter

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-138280	162142	69	25,247,200	
G-138416	162122	145	44,909,500	
G-138534	172370	150	40,888,000	Estimate - No display on meter. Must be fixed prior to irrigation season.
G-138594	172862	74.6	35,844,000	
G-139059	172599	100	50,249,000	
G-139271	170679	90	38,090,900	Supplemental to surface water well
G-139360	165336	40	23,109,500	
G-139572	169042	100	19,625,300	
G-140625	172547	130	23,688,700	Producer corrected beginning reading.
G-141518	173834	65	39,106,000	
G-141860	177863	112.8	29,971,449	Supplemental to surface water well
G-142036	170682	40	14,324,600	Supplemental to surface water well
G-142430	178761	130	32,892,000	
G-142530	173630	139	34,165,600	
G-142566	178584			Well not used in 2013 - Supplemental Well
G-142967	178585	215	98,672,600	
G-143253	177864	243	16,464,300	Supplemental to surface water well
G-144298	182757	78	38,657,985	
G-144555	181381			Well not used in 2013
G-144716	182053	145	44,356,100	
G-144783	183104	135	37,655,500	
G-144784	180131	76	26,286,701	
G-144823	182952	205	95,330,900	
G-144980	182209	135	41,650,900	
G-145042	183105	100	33,685,900	
G-145565-R1	190217	130	41,250,184	
G-145863	185009	132	8,928,900	Supplemental to surface water well
G-145885	178762	40	18,315,600	
G-145993	183670	75	6,345,618	Supplemental to surface water well
G-146977	180054	75	49,467,200	
G-147456	188634	65	20,489,050	
G-147457	188635	130	48,154,360	

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-148411	189364	130	45,403,600	
G-148565	187309	131.7	5,364,273	Estimate - Producer's readings don't make sense. Supplemental well, used
G-148621	191026	75	31,818,242	
G-148622	190543	130	11,491,100	Supplemental to surface water well
G-148685	188800	125	48,391,414	
G-148702	189813	94	63,938,709	
G-148743	187694	100	3,557,174	Supplemental to surface water well
G-149188	191318	134	50,548,300	
G-149618	192106	132	42,714,056	Producer gave same ending reading as G-031992. Our inspection shows 5689.84
G-149663	191521	70	19,439,820	
G-149890	191025	87	17,734,548	
G-150891	187697			Well not used in 2013 - Supplemental Well
G-151663	191248	62	26,723,066	
G-152478	197495	130	49,327,413	
G-152676	191017	125	43,345,387	
G-152707	197427	180	32,907,100	Supplemental to surface water well
G-153081	197627	68	19,911,756	
G-153624	199985	100	23,056,461	
G-157641	202660	125	5,641,244	Supplemental to surface water well
G-158114	208108	72	5,526,654	Supplemental to surface water well
G-159284	208463	162.8	70,034,510	
G-161020	213049	128	71,586,800	Potatoes
G-161031	214156	30	29,960,365	Producer reported a different beginning reading. Changed to reflect his report.
G-162791	215361	30	35,509,557	Producer thinks meter on end of last year and that these results reflect some
G-162926	216452	74.5	7,313,800	Supplemental to surface water well -Assuming multiplier of 100
G-164032	219279	155	51,178,158	
G-164644	218534	160	31,753,344	
G-165055	220042	148	16,969,892	Supplemental to surface water well
G-165537	215283	48	39,049,983	
G-165597	218166	73	29,733,630	Estimate according to neighbor's well. Meter will be on prior to 2014 growing
G-049567-R1	221186	146	46,706,509	New meter on new well. Assuming started at 0 and is acre inches.
G-035840-R1	221855	265	29,908,200	Supplemental to surface water well -Well water conveyed to 4 different places.

Tri-Basin NRD Platte Basin Flowmeter Data for Irrigation Wells
2013 Platte Basin Annual Report
Appendix B

DNR Well Reg #	DNR Well ID	Acres Reported	Gallons Used	Comments
G-166011	221015	130	24,288,000	Estimate -from hours run. Meter will be on for 2014.
G-166108	222272	67	30,628,897	
G-166557	217687	124	47,237,913	Supplemental to surface water well
G-166720	222354	128	47,433,693	
G-167012	221958	31.8	7,492,875	
G-167286	223104	144	62,700,000	Estimate from hours. Will have meter on prior to 2014 season.
G-167416	222557	172.73	37,008,000	Estimate from hours. Did not get meter on. Will be on for 2014 growing season.
G-167483	224220	105	2,970,000	Estimate - supplemental to surface water well -Meter will be on in 2014
G-167695	221189	127	40,489,872	
G-167696	221856	130	12,301,033	Supplemental to surface water well
G-167697	222232	77	19,990,231	
G-167700	222753	150	27,974,300	Assuming gallons x 100 since producer did not provide information.
G-167889	222616	76	22,702,373	Supplemental to surface water well. Reuse from pit.
G-168005	223141	57	13,930,002	Estimate - Meter didn't get on for 2013. Operator will make sure on for 2014.
G-168610	217989	135	42,333,900	Replaced well. Old well put on 3.6 inches. New well did 11.5 inches.
G-119660	146805	88	29,777,076	
G-041329-R1	219361	145	83,554,758	
G-027484-R1	225652	135	4,397,047	
G-073172	81360	69	18,980,646	New meter in 2013. Producer brought in ending readings. Will do report for 2014.
G-058508	66218	136	47,492,346	New meter in 2013. Producer brought in ending readings. Will do report for 2014.
G-068235	76316	126	37,771,214	New meter in 2013. Producer brought in ending readings. Will do report for 2014.
G-035230-R1	209844	99	34,105,424	New meter in 2013. Producer brought in ending readings. Will do report in 2014.
G-121766	146008	150	38,640,142	New meter in 2013. Producer brought in ending reading. Will do report in 2014.
G-040839	48087	118	54,130,412	2013 cost share no form sent out Jay Beck called in with info -Send report next
G-001374-R1	222615	130	48,696,600	
G-009462	14164	0		Not required report, but willing to report - gave ending reading so we could have
G-013149-R1	223630	75	32,931,805	acre feet meter must be replaced - John talked to operator will be by 2014
		44,532.83	**15,341,789,732**	**47,082.16 acre feet Reported**

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

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-039345	NW 1/4	5	16	4	131.58	No Till
G-024259	NW 1/4	5	16	6	75	No Till
G-084458	SE 1/4	5	16	6	100	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	0	No Till
G-069714	NE 1/4	5	16	8	130	No Till
G-025143	SE 1/4	5	16	9	157	No Till
G-016226	NW 1/4	5	16	17	66	No Till
G-061236	SW 1/4	5	16	17	65	No Till
G-073554	NE 1/4	5	16	17	69.8	No Till
G-039418	NE 1/4	5	16	18	76	No Till
G-084459	NE 1/4	5	16	18	77	No Till
G-130632	SW of NW 1/4	5	16	18	115	No Till
G-086748	NW 1/4	5	16	19	120	No Till
G-127045	SE of SE 1/4	5	16	19	130	No Till
G-074773	NW 1/4	5	16	20	142	Minimum Till
G-006759	SE 1/4	5	16	21	72	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-064303	NW 1/4	5	16	21	150	No Till
G-002334	SW 1/4	5	16	22	180	No Till
G-008191	SE 1/4	5	16	22	65.4	No Till
G-023920	NE 1/4	5	16	22	135	No Till
G-042526	NW 1/4	5	16	22	130	No Till
G-013965	SW 1/4	5	16	23	155	No Till
G-068947	NE 1/4	5	16	23	137	No Till
G-013352	SW 1/4	5	16	24	65	No Till
G-030229	NE 1/4	5	16	24	125	No Till
G-021852	NE 1/4	5	16	25	140	Minimum Till
G-036359	SW 1/4	5	16	25	54	Minimum Till
G-036360	SE 1/4	5	16	25	140	Minimum Till
G-052523	NW 1/4	5	16	25	135	Minimum Till
G-052524	NE 1/4	5	16	25	12	Minimum Till
G-131016	SW of SW 1/4	5	16	25	142	Minimum Till
G-011958	NW 1/4	5	16	26	79.5	No Till
G-023474	NE 1/4	5	16	26	71.1	No Till
G-029462	SE 1/4	5	16	26	153	No Till
G-064292	NE 1/4	5	16	26	20	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-001416	NW 1/4	5	16	27	112	No Till
G-053935	NE 1/4	5	16	27	65.9	No Till
G-013964	SW 1/4	5	16	28	14	No Till
G-028128	SW 1/4	5	16	28	155	No Till
G-013963	NE 1/4	5	16	29	41	No Till
G-037547	NE 1/4	5	16	29	120	No Till
G-065030	SE 1/4	5	16	29	155	No Till
G-025819	NE 1/4	5	16	30	130	No Till
G-061237	SE 1/4	5	16	30	80	No Till
G-013511	NW 1/4	5	16	31	31.3	No Till
G-023721	SW 1/4	5	16	31	59.3	No Till
G-073478	NE 1/4	5	16	31	111	No Till
G-142531	SE 1/4	5	16	31	100	No Till
A-005349	NE 1/4	5	16	32	100	No Till
G-022810	SE 1/4	5	16	32	100	No Till
G-026087	SW 1/4	5	16	32	123	Minimum Till
G-082106	NE 1/4	5	16	32	110	No Till
G-114756	NW 1/4	5	16	32	37	Minimum Till
G-015121	SE 1/4	5	16	33	70	Minimum Till
G-050075	SW 1/4	5	16	33	135	Minimum Till
G-082492	NW 1/4	5	16	33	153	No Till
G-035158	NW 1/4	5	16	34	54	No Till
G-039968	NE 1/4	5	16	34	130	No Till
G-073794	SE 1/4	5	16	34	156	No Till
G-074967	SW 1/4	5	16	34	157	No Till
G-002671	NW 1/4	5	16	35	130	No Till
G-050365	SW 1/4	5	16	35	34	No Till
G-062901	SE 1/4	5	16	35	154	Minimum Till
G-023069	NE 1/4	5	16	36	104	No Till
G-074588	SE 1/4	5	16	36	149	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-010454	lots 11, 12, 17, & 18	5	17	6	70	No Till
G-018114	lots 13, 14, pts of 15, 16	5	17	6	85	No Till
G-062245	pts of S2 of NE 1/4 & N2 of SE 1/4	5	17	7	11	No Till
G-063852	NE 1/4	5	17	7	131.9	No Till
G-032082	NE 1/4	5	17	9	140	No Till
A-006726	NW 1/4	5	17	10	6.5	No Till
G-001336	NE 1/4	5	17	10	115	No Till
G-006844	SE 1/4	5	17	10	120	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
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	58	No Till
G-031733	SW 1/4	5	17	13	135.77	No Till
G-052826	NW 1/4	5	17	13	130	No Till
A-005645	NE 1/4	5	17	14	5	No Till
G-000125	SE 1/4	5	17	14	133.68	No Till
G-072383	NE 1/4	5	17	14	113.5	No Till
G-083647	SW 1/4	5	17	14	65.69	No Till
G-087522	NW 1/4	5	17	14	130.63	No Till
G-023301	NW 1/4	5	17	15	130	No Till
G-035141	SE 1/4	5	17	15	65	No Till
G-053691	SW 1/4	5	17	15	151	No Till
A-008150	NW 1/4	5	17	16	125	No Till
G-035422	SW 1/4	5	17	16	120	No Till
G-055469	SE 1/4	5	17	16	65	No Till
G-067725	NE 1/4	5	17	16	130	No Till
G-146199	NE1/4	5	17	16	125.05	No Till
G-029189	lots 3, 4, 5, & 6	5	17	18	153	No Till
G-056887	lots 1, 2, 7, & 8	5	17	18	158	No Till
G-071535	lots 13 & pt S2 lot 12	5	17	18	59.2	No Till
G-061141	NW 1/4	5	17	20	128.5	No Till
G-042382	NW 1/4	5	17	21	31.3	No Till
G-091242	NE 1/4	5	17	21	60	No Till
G-165675	NW 1/4	5	17	21	42.53	No Till
G-074567	NE 1/4	5	17	22	63	No Till
G-046943	SW 1/4	5	17	23	60	No Till
G-076846	SW 1/4	5	17	23	100	No Till
G-020559	NE 1/4	5	17	24	68.2	No Till
G-025073	SE 1/4	5	17	24	130	No Till
G-067974	SW 1/4	5	17	24	130	No Till
G-091805	NW 1/4	5	17	24	135	Minimum Till
G-028013	NE 1/4	5	17	25	130	No Till
G-048083	NW 1/4	5	17	25	130	No Till
G-069535	SE 1/4	5	17	25	24	No Till
G-056775	NW 1/4	5	17	26	140	No Till
G-060870	SW 1/4	5	17	26	68.5	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

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-024353	NE 1/4	5	17	34	110	No Till
G-028120	NW 1/4	5	17	34	66	No Till
G-046944	NE 1/4	5	17	34	30	No Till
G-134304	NW of SE 1/4	5	17	34	25	No Till
G-030282	NE 1/4	5	17	35	120	No Till
G-051378	SE 1/4	5	17	35	120	No Till
G-115347	SW 1/4	5	17	35	130	No Till
G-170025	NW 1/4	5	17	35	66.2	No Till
G-054318	NE 1/4	5	17	36	55	No Till
A-006382	NE 1/4	5	18	1	141	No Till
G-047270	SE 1/4	5	18	1	55	No Till
G-018931	NW 1/4	5	18	3	76	No Till
G-016210	NE 1/4	5	18	6	40	No Till
G-023376	SW 1/4	5	18	6	78	No Till
G-036448	NE 1/4	5	18	6	43	No Till
G-003499	NW 1/4	5	18	7	56	No Till
G-033786	SW 1/4	5	18	7	135	No Till
G-057027	SE 1/4	5	18	8	145	No Till
G-074474	NE 1/4	5	18	10	125	No Till
G-090257	SE 1/4	5	18	10	83	No Till
G-024376	SW 1/4	5	18	12	64	No Till
G-126616	NW 1/4	5	18	12	190	Minimum Till
G-062292B	SE 1/4	5	18	13	156.5	No Till
G-027808	SE 1/4	5	18	16	95.07	No Till
G-048441	NE 1/4	5	18	16	110.5	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	No Till
G-059221	SE 1/4	5	18	19	135	No Till
G-065869	NW 1/4	5	18	19	138	Minimum Till
G-005936	SW 1/4	5	18	20	130	No Till
G-072701	NW 1/4	5	18	20	130	No Till
G-062981	NE 1/4	5	18	21	145.5	No Till
G-022590	NW 1/4	5	18	22	150.5	Minimum Till
G-044991	SE 1/4	5	18	22	148.5	Minimum Till
G-048442	SW 1/4	5	18	22	158.5	No Till
G-031620	NW 1/4	5	18	23	67	No Till
G-070513	SW 1/4	5	18	23	155.5	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-129695	NW of SW 1/4	5	18	25	66.6	No Till
G-011811	SW 1/4	5	18	27	120	Minimum Till
G-031086	SE 1/4	5	18	27	138.4	No Till
G-050678	NE 1/4	5	18	27	153.5	No Till
G-022924	SW 1/4	5	18	28	114	No Till
G-000802	NW 1/4	5	18	30	136	No Till
G-041704	SW 1/4	5	18	30	68	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	132	No Till
G-042013	NW 1/4	5	18	32	145	No Till
G-045830	NW 1/4	5	18	33	97	No Till
G-037900	NW 1/4	5	18	35	130	Minimum Till
G-050229	NE 1/4	5	18	35	128	No Till
G-119626	SE of SE 1/4	5	18	36	660	No Till
G-129768	NE of SW 1/4	5	18	36	100	No Till
G-026055	NW 1/4	5	19	1	130	No Till
G-082140	SE 1/4	5	19	1	124	No Till
G-055772	NE 1/4	5	19	2	82	No Till
G-036205	NE 1/4	5	19	3	80	No Till
G-023062	SW 1/4	5	19	4	150	Minimum Till
G-028636	NW 1/4	5	19	5	140	No Till
G-031992	SW 1/4	5	19	5	130	No Till
G-044680	NE 1/4	5	19	5	140	No Till
G-051576	SE 1/4	5	19	5	150	No Till
G-029428	NW 1/4	5	19	6	136	No Till
G-039462	SE 1/4	5	19	6	134	Minimum Till
G-120087	Cent of SW 1/4	5	19	6	126.7	No Till
A-007514	SW 1/4	5	19	7	139	No Till
G-005935	NE 1/4	5	19	7	140	No Till
G-039385	NW 1/4	5	19	7	69	No Till
G-115304	SE	5	19	7	121	No Till
G-025108	NE 1/4	5	19	8	125	No Till
G-039461	NW 1/4	5	19	8	1300	Minimum Till
G-001256	SE 1/4	5	19	9	150	Minimum Till
G-025077	NW 1/4	5	19	9	143	No Till
G-025126	SW 1/4	5	19	9	120	No Till
G-061775	NE 1/4	5	19	9	136	No Till
G-000540	SE 1/4	5	19	11	87	No Till
G-024222	SW 1/4	5	19	11	130	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-025998	SW 1/4	5	19	13	45	No Till
G-040491	SE 1/4	5	19	13	152	No Till
G-086015	SW 1/4	5	19	13	148	No Till
G-020404	SW 1/4	5	19	14	140	No Till
G-027644	NE 1/4	5	19	14	140	No Till
G-045600	NW 1/4	5	19	14	126	No Till
G-070221	SE 1/4	5	19	14	74	No Till
G-129594	NE of NE 1/4	5	19	16	46	No Till
G-025987	SE 1/4	5	19	17	144	No Till
G-134076	SW of NW 1/4	5	19	17	140	No Till
G-032103	NW NW 1/4	5	19	18	75	No Till
G-015987	SW 1/4	5	19	19	147.5	No Till
G-090649	NE 1/4	5	19	19	132	No Till
G-109792	NW 1/4	5	19	19	156	No Till
G-059220	SW 1/4	5	19	20	147	No Till
G-073389	NW 1/4	5	19	20	155.5	No Till
G-003517	SE 1/4	5	19	22	62.5	Minimum Till
G-032374	SW 1/4	5	19	22	149	Minimum Till
G-049914	NE 1/4	5	19	22	62	No Till
A-007273	SE 1/4	5	19	23	135	No Till
G-026301	NE 1/4	5	19	23	150	No Till
G-116848	SW 1/4	5	19	23	151	No Till
G-032287	SW 1/4	5	19	24	130	No Till
G-034186	SW 1/4	5	19	25	136	No Till
G-072466	SE 1/4	5	19	25	120	No Till
G-073420	NE 1/4	5	19	25	130	No Till
G-028487	SW 1/4	5	19	26	152	No Till
G-022556	NE 1/4	5	19	27	126	No Till
G-036688	NW 1/4	5	19	27	73.5	No Till
G-037484	NW 1/4	5	19	29	130	No Till
G-094006	SW 1/4	5	19	29	159	No Till
G-094233	NE 1/4	5	19	31	102	No Till
G-094234	SE 1/4	5	19	31	163	No Till
G-096952	NW 1/4	5	19	31	120	No Till
G-096953	SW 1/4	5	19	31	120	No Till
G-053938	NE 1/4	5	19	32	70	Minimum Till
G-025704	SW 1/4	5	19	33	120	Minimum Till
G-042011	NE 1/4	5	19	33	80	No Till
G-025056	NE 1/4	5	19	35	140	No Till
G-030784	SW 1/4	5	19	36	128	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-040116	NE 1/4	5	19	36	130	No Till
G-086858	NW 1/4	5	19	36	150	No Till
G-106128	SE 1/4	5	19	36	127	No Till
G-086432	NW 1/4	6	16	4	143	No Till
G-035059	NW SW 1/4	6	16	5	100	No Till
G-123407	NE 1/4	6	16	5	1350	No Till
G-009596	NE of SE 1/4	6	16	29	71.6	No Till
G-081367	SW 1/4	6	16	32	171.1	No Till
G-130559	SW of SW 1/4	6	17	3	154.5	No Till
G-132996	SW of NW 1/4	6	17	5	10	No Till
G-100986	lots pts 5, 6, 7, & 8	6	17	6	132	No Till
G-039539	lots 9, 10, 15 & 16	6	17	7	160	No Till
G-053867	lots 1, 2, 7 & 8	6	17	7	160	No Till
G-132544	SE of SE 1/4	6	17	7	70	No Till
G-013487	SW 1/4	6	17	8	62	No Till
G-069166	NE 1/4	6	17	8	75	No Till
G-133416	NW of NW 1/4	6	17	8	56	No Till
G-044894	NE 1/4	6	17	9	152	No Till
G-132798	NE of NE 1/4	6	17	17	75	No Till
G-036220	NE 1/4	6	17	23	227	No Till
G-060677	SW 1/4	6	17	25	67	Minimum Till
G-126657	NW of NW 1/4	6	17	25	141.5	No Till
G-033196	SE 1/4	6	17	26	150	No Till
G-148743	SW 1/4	6	17	26	120	Minimum Till
G-017450	SW 1/4	6	17	28	780	No Till
G-026335	SE 1/4	6	17	28	52	No Till
A-005637	lots 9, 10, 15 & 16	6	17	30	37	No Till
A-006272	lots 1, 2, 7 & 8	6	17	30	45	No Till
G-026426	SE 1/4	6	17	32	139	No Till
G-065571	SW 1/4	6	17	32	150	No Till
G-026159	SE 1/4	6	17	33	150	Minimum Till
G-047646	SW 1/4	6	17	34	65	No Till
G-005391	NW 1/4	6	17	35	155	No Till
G-074644	NE 1/4	6	17	35	78.8	No Till
G-015957	SW 1/4	6	18	1	150	Minimum Till
G-015957	SW 1/4	6	18	1	150	Minimum Till
G-072641	SE 1/4	6	18	1	65	No Till
G-026634	SE 1/4	6	18	2	71	Minimum Till
G-026634	SE 1/4	6	18	2	71	Minimum Till
G-067045	SE 1/4	6	18	2	41	Minimum Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-129685	SW of NE 1/4	6	18	6	153	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	112.48	No Till
G-133181	NW of SE 1/4	6	18	7	295	No Till
G-135942	SE of SE 1/4	6	18	8	100	No Till
G-023699	NW 1/4	6	18	9	77	No Till
G-133038	NE 1/4	6	18	9	64	No Till
G-008028	NW 1/4	6	18	10	110.9	No Till
G-015125	NE 1/4	6	18	12	150	Minimum Till
G-015125	NE 1/4	6	18	12	150	Minimum Till
G-015956	NW 1/4	6	18	12	135	Minimum Till
G-015956	NW 1/4	6	18	12	135	Minimum Till
G-132515	SW of SE 1/4	6	18	13	145	No Till
G-013612	NW 1/4	6	18	15	132	No Till
G-031315	SE 1/4	6	18	16	130	No Till
G-129356	NE 1/4	6	18	16	66	No Till
G-050203	SE 1/4	6	18	17	153.9	Minimum Till
G-071933	SW 1/4	6	18	17	128	No Till
G-130452	NE of NW 1/4	6	18	17	120	No Till
G-024607	SE 1/4	6	18	18	130.91	Minimum Till
G-030693	NW 1/4	6	18	20	137	No Till
G-041561	NE 1/4	6	18	20	152.5	No Till
G-044283	SE 1/4	6	18	20	157.5	No Till
G-008006	SW 1/4	6	18	21	132	No Till
G-069776	SE 1/4	6	18	21	162	No Till
G-004679	SW 1/4	6	18	22	65.75	No Till
G-045284	SE 1/4	6	18	22	30	No Till
G-059302	SE of NW	6	18	22	135	No Till
G-028923	SE 1/4	6	18	25	150	No Till
G-071351	SE 1/4	6	18	25	160	No Till
G-008029	SW 1/4	6	18	27	69	Minimum Till
G-026280	NW 1/4	6	18	27	136	No Till
G-003515	SE 1/4	6	18	28	225	No Till
G-006859	NE 1/4	6	18	28	68	No Till
G-057628	NE 1/4	6	18	29	110	No Till
G-032987	SW 1/4	6	18	30	149	No Till
G-035251	NE 1/4	6	18	31	159	No Till
G-041560	NW 1/4	6	18	31	130	Minimum Till
G-026164	NW 1/4	6	18	32	144.1	No Till
G-030104	SW 1/4	6	18	32	100	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-036447	NE 1/4	6	19	1	1340	No Till
G-014651	SW 1/4	6	19	2	130.4	No Till
G-045549	SE 1/4	6	19	2	134	No Till
A-006953	NE 1/4	6	19	3	92.72	No Till
G-088498	SW 1/4	6	19	5	140	Minimum Till
G-036171	SE 1/4	6	19	6	148	No Till
G-167696	NW 1/4	6	19	6	138	No Till
G-132512	NE of NE 1/4	6	19	7	67	No Till
G-040343	SW 1/4	6	19	8	75	Minimum Till
G-025733	NE 1/4	6	19	9	100	No Till
G-036476	SW 1/4	6	19	9	145	Minimum Till
G-044779	NW 1/4	6	19	9	136	No Till
G-060618	SE 1/4	6	19	9	73	Minimum Till
A-005633	SE 1/4	6	19	10	156	No Till
G-068951	NW 1/4	6	19	10	73	No Till
G-042443	SW 1/4	6	19	11	136	No Till
G-025757	NW SW 1/4	6	19	13	294.5	No Till
G-004994	NE 1/4	6	19	14	143	No Till
G-025244	SE 1/4	6	19	14	141	No Till
G-025815	SW 1/4	6	19	14	155	No Till
G-110559	NE 1/4	6	19	14	143	No Till
G-019980	SE 1/4	6	19	15	65	Minimum Till
G-058068	SE 1/4	6	19	15	65	Minimum Till
G-028660	SE 1/4	6	19	16	135	No Till
G-027416	NE 1/4	6	19	17	152	No Till
G-032462	SW 1/4	6	19	17	135	No Till
G-045710	NE 1/4	6	19	18	148	No Till
G-136259	SW of SW 1/4	6	19	18	74	No Till
G-074330	SW 1/4	6	19	19	67	No Till
G-129257	NW of NW 1/4	6	19	21	1360	No Till
G-132608	SW of SW 1/4	6	19	21	87	Minimum Till
G-030892	NE 1/4	6	19	22	158	No Till
G-040622	SW 1/4	6	19	22	77	Minimum Till
A-005462	SE 1/4	6	19	23	155.5	No Till
G-007211	NW 1/4	6	19	23	156	No Till
G-013985	NE 1/4	6	19	23	109.5	No Till
G-026550	SW 1/4	6	19	23	80	No Till
G-009669	NE 1/4	6	19	24	137	No Till
G-025168	SW 1/4	6	19	24	1310	No Till
G-031740	NW 1/4	6	19	24	140	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-071119	NE 1/4	6	19	24	131	No Till
G-039540	SW 1/4	6	19	25	120	No Till
G-048259	NE 1/4	6	19	25	290	No Till
G-073050	SE 1/4	6	19	25	72	No Till
G-030912	SE 1/4	6	19	26	147	No Till
G-040169	NE 1/4	6	19	26	130	No Till
G-073120	SW 1/4	6	19	26	90	No Till
G-094725	NW 1/4	6	19	26	218	No Till
G-026085	SE 1/4	6	19	27	130	No Till
G-074863	SW 1/4	6	19	27	157	No Till
G-032452	NE 1/4	6	19	28	143	No Till
G-129577	SW 1/4	6	19	28	65	No Till
G-020391	SW 1/4	6	19	29	76.5	No Till
G-038040	NE 1/4	6	19	29	144	No Till
G-007767	NE of SE	6	19	30	153.5	No Till
G-041182	SW 1/4	6	19	30	130	No Till
G-035734	SW 1/4	6	19	31	87	No Till
G-052273	SE 1/4	6	19	31	25	No Till
G-073711	NE 1/4	6	19	31	145	No Till
G-025703	SE 1/4	6	19	32	154.5	No Till
G-034808	NW 1/4	6	19	32	139	No Till
G-066511	SW 1/4	6	19	32	152.5	No Till
G-001374	SE 1/4	6	19	33	152	No Till
G-005987	NE 1/4	6	19	33	135	No Till
G-013618	SW 1/4	6	19	34	160	Minimum Till
G-027136	NE 1/4	6	19	34	141	No Till
G-030448	NW 1/4	6	19	34	130	No Till
G-062535	NW 1/4	6	19	35	168	No Till
G-110137	SE 1/4	6	19	35	130	No Till
G-024296	NW 1/4	6	19	36	101	Minimum Till
G-001127	NW 1/4	6	20	1	65	No Till
G-045273	SW 1/4	6	20	1	130	Minimum Till
G-045402	NE 1/4	6	20	1	130	Minimum Till
G-060528	SE 1/4	6	20	1	130	Minimum Till
G-041487	SE 1/4	6	20	10	152	No Till
G-043366	NW 1/4	6	20	10	80.5	No Till
G-089768	NE 1/4	6	20	10	148	No Till
G-002626	NW 1/4	6	20	12	139.7	Minimum Till
G-122126	SW of SE 1/4	6	20	12	101	No Till
G-132157	SW of NW 1/4	6	20	13	262	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-133446	SW of NE 1/4	6	20	14	125	No Till
G-091279	SE 1/4	6	20	22	66.1	No Till
G-041369	NE 1/4	6	20	23	66	Minimum Till
G-052805	SE 1/4	6	20	23	100	Minimum Till
G-024524	SW 1/4	6	20	24	68	No Till
G-024728	SE 1/4	6	20	24	134	No Till
G-132076	NE 1/4	6	20	24	78	Minimum Till
G-132344	NW 1/4	6	20	24	125	Minimum Till
G-032795	SE 1/4	6	20	25	134	No Till
G-074444	SW 1/4	6	20	25	70	No Till
G-023483	SW 1/4	6	20	26	94	Minimum Till
G-024994	NE 1/4	6	20	26	140	No Till
G-001239	SW 1/4	6	20	27	173	No Till
G-033793	SW 1/4	6	20	27	30	Minimum Till
G-074785	NW 1/4	6	20	27	130	No Till
G-055770	NW 1/4	6	20	34	122	No Till
G-053759	NE 1/4	6	20	35	161.92	No Till
G-055771	NW 1/4	6	20	35	158	Minimum Till
G-022942	SE 1/4	6	20	36	99	No Till
G-061360	NE 1/4	6	20	36	144	No Till
G-049326	NW 1/4	6	21	2	68	No Till
G-027616	SW 1/4	6	21	3	155.8	Minimum Till
G-029313	NE 1/4	6	21	10	121.5	No Till
G-002253	SW 1/4	6	21	11	142	No Till
G-021455	SW 1/4	6	21	12	72.5	Minimum Till
G-034034	NW 1/4	7	17	17	38.7	Minimum Till
G-060103	NW 1/4	7	17	17	120	No Till
G-074630	lots 3, 4, 5 & 6	7	17	18	150	Minimum Till
G-119196	NE 1/4	7	17	18	146	Minimum Till
G-024040	lots 1 & 2	7	17	19	12	Minimum Till
G-034036	NE 1/4	7	17	19	40	Minimum Till
G-068763	NE 1/4	7	17	19	6	Minimum Till
G-139059	NE 1/4	7	17	19	148	Minimum Till
G-147456	NW 1/4 Lots 1 & 2	7	17	19	72.8	Minimum Till
G-034035	NE 1/4	7	17	25	155	Minimum Till
G-139528	NW 1/4	7	17	28	68	Minimum Till
G-047810	NW 1/4	7	17	29	155	Minimum Till
G-023687	NE 1/4	7	17	30	145	Minimum Till
G-039976	SE 1/4	7	17	30	139.5	No Till
G-021595	NE 1/4	7	17	31	65	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-068764	lots 1, 2, 7 & 8	7	17	31	12	Minimum Till
G-147457	NW 1/4	7	17	31	130	Minimum Till
G-007950	SE 1/4	7	17	33	68	No Till
G-077708	NW 1/4	7	18	13	123	Minimum Till
G-037111	SE 1/4	7	18	14	15	No Till
G-057112	SE 1/4	7	18	15	121.23	No Till
G-129448	NE of NW 1/4	7	18	17	100	No Till
A-005527	SE 1/4	7	18	20	72.3	Minimum Till
G-037334	NW 1/4	7	18	21	68.8	Minimum Till
G-131463	SE	7	18	21	132	No Till
G-021229	SW 1/4	7	18	22	147.8	Minimum Till
G-022438	NE 1/4	7	18	22	130.75	No Till
G-056497	NW 1/4	7	18	22	114.28	No Till
G-061654	SE 1/4	7	18	22	150.5	Minimum Till
G-026458	NE 1/4	7	18	23	128	No Till
G-131774	NE of SW 1/4	7	18	25	106	Minimum Till
G-022950	SW 1/4	7	18	26	76	No Till
G-028701	SE 1/4	7	18	26	75	Minimum Till
G-040650	SE 1/4	7	18	27	101.23	No Till
A-005544	NW 1/4	7	18	28	135	No Till
G-002216	NE 1/4	7	18	28	11	No Till
G-132841	SE of SE 1/4	7	18	29	112.4	No Till
G-063158	SE 1/4	7	18	30	156	No Till
G-132769	NW of SW 1/4	7	18	32	144	No Till
G-039497	NE 1/4	7	18	34	62.5	No Till
G-093751	SE 1/4	7	18	34	138	No Till
G-018622	NE 1/4	7	18	35	148	No Till
G-139527	NW1/4	7	18	35	80	No Till
G-028077	NW 1/4	7	18	36	155	No Till
G-138416	NW 1/4	7	19	13	121	No Till
G-129696	NW 1/4	7	19	14	141	No Till
G-002482	SW 1/4	7	19	16	134	No Till
G-007043	NW 1/4	7	19	16	139	No Till
G-132341	NE of SE 1/4	7	19	17	131	No Till
G-009427	NW 1/4	7	19	18	130	Minimum Till
G-126121	SE1/4	7	19	18	135	No Till
G-133633	NW of NE 1/4	7	19	19	136	No Till
G-032611	SE 1/4	7	19	20	152	No Till
G-074549	NE 1/4	7	19	20	132	No Till
G-038793	NW 1/4	7	19	21	460	Minimum Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-121515	NW of SE 1/4	7	19	21	70	No Till
G-010960	NW 1/4	7	19	22	140	No Till
G-033171	SW 1/4	7	19	22	127	No Till
G-045570	NE NE 1/4	7	19	22	143	No Till
G-061996	SE 1/4	7	19	22	121	No Till
G-130799	NE of SE 1/4	7	19	23	157	No Till
G-071266	NW 1/4	7	19	24	70	No Till
G-132645	SW 1/4	7	19	25	100	No Till
G-000317	NE 1/4	7	19	27	74	No Till
G-074261	NW 1/4	7	19	27	142	No Till
A-007095	SE 1/4	7	19	28	77	Minimum Till
G-000746	NE 1/4	7	19	29	154	No Till
G-135944	NE of SW 1/4	7	19	29	76.5	No Till
G-031736	SE 1/4	7	19	30	142	Minimum Till
G-012652	SE 1/4	7	19	31	76	No Till
G-022245	NW 1/4	7	19	32	148	No Till
G-023124	SW 1/4	7	19	32	139	No Till
G-131993	SW of SW 1/4	7	19	33	145	No Till
G-064984	NE 1/4	7	19	34	135	No Till
G-032770	SW SW 1/4	7	19	35	120	No Till
G-065049	NW 1/4	7	19	36	70.6	No Till
G-127891	NW of SE 1/4	7	19	36	71	No Till
G-151663	SW 1/4	7	19	36	75	No Till
G-015524	SE 1/4	7	20	13	54	Minimum Till
G-023093	SW 1/4	7	20	13	141	No Till
G-006383	NE 1/4	7	20	14	147	No Till
G-133634	NW of SE 1/4	7	20	14	139	No Till
G-097100	SE of SW 1/4	7	20	15	150	No Till
G-119178	NW 1/4	7	20	16	77	Minimum Till
G-071957	NW 1/4	7	20	23	25	No Till
G-135943	NW of NE 1/4	7	20	23	45	No Till
G-027010	SW 1/4	7	20	24	126	No Till
G-005394	NW 1/4	7	20	25	130	No Till
G-033288	NE 1/4	7	20	26	92	No Till
G-044047	NW 1/4	7	20	26	155	No Till
G-087415	NE 1/4	7	20	33	135	Minimum Till
G-131271	SW of NW 1/4	7	20	34	66	No Till
G-020277	SE 1/4	7	20	35	5	No Till
G-054523	NE 1/4	7	20	35	150	No Till
G-039565	SE 1/4	7	20	36	133	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-129992	NE of NE 1/4	7	20	36	131	No Till
G-167700	SE	7	21	15	0	No Till
G-021461	SE 1/4	7	21	23	120	No Till
G-072797	SE 1/4	7	21	25	104	No Till
G-039594	SE 1/4	7	21	27	74.7	No Till
G-009227	SW 1/4	7	21	34	80	No Till
G-021159	SE 1/4	7	21	34	64	No Till
G-027227	NW 1/4	7	21	34	114	No Till
G-045821	NE 1/4	7	21	34	70	No Till
G-074140	SW 1/4	7	21	35	134	No Till
G-006537	NE SE 1/4	8	13	8	115	Minimum Till
G-030413	SW 1/4	8	13	12	20	Minimum Till
G-015972	SE 1/4	8	13	13	66	No Till
G-017198	SW 1/4	8	13	13	65	No Till
A-005964B	NE 1/4	8	13	16	1160	No Till
G-010285	NW 1/4	8	13	17	132	No Till
G-060270	SE 1/4	8	13	17	71	No Till
G-034215	NE 1/4	8	13	20	134	No Till
G-044419	SE 1/4	8	13	20	133	No Till
G-012428	NW 1/4	8	13	22	120	Minimum Till
G-033694	NE 1/4	8	13	22	135	Minimum Till
G-043853	NE 1/4	8	13	24	132	No Till
G-044832	SE 1/4	8	14	27	122	No Till
G-067830	SW 1/4	8	14	27	131	Minimum Till
G-007630	SE 1/4	8	15	23	130	No Till
G-007631	SE 1/4	8	15	23	40	No Till
G-035005	SE of NE 1/4	8	15	23	90	No Till
G-071869	NW 1/4	8	15	23	13	No Till
G-013607	SW 1/4	8	15	25	41	No Till
G-037770	SE 1/4	8	15	31	133	No Till
G-048684	NE 1/4	8	15	34	150	No Till
G-053686	NW 1/4	8	15	34	150	No Till
G-044831	NW 1/4	8	15	35	128	No Till
G-035306	NE 1/4	8	16	19	136	No Till
G-018182	NE 1/4	8	16	27	165	Minimum Till
G-073932	NW 1/4	8	16	27	40	Minimum Till
G-034321	SW 1/4	8	16	30	135	No Till
G-067832	SW 1/4	8	16	35	132	Minimum Till
G-067833	SE 1/4	8	16	35	132	Minimum Till
G-069382	NE 1/4	8	16	36	132	No Till

Tri-Basin NRD Platte Basin No Till Acres - 2013 Platte Basin Annual Report
Appendix C

DNR Well Reg	Legal Location	T Ship	Range	Section	Irrigated Acres	Tillage Practice
G-069383	NW 1/4	8	16	36	132	No Till
G-048556	SW 1/4	8	17	20	133.4	Minimum Till
G-049239	NW 1/4	8	17	25	153	No Till
G-049240	SW 1/4	8	17	25	133	No Till
G-088499	NE 1/4	8	17	33	130	No Till
G-088500	SE 1/4	8	17	33	130	No Till
G-062791	SE 1/4	8	17	35	133	No Till
G-069018	SW 1/4	8	17	35	133	No Till
G-048991	NW 1/4	8	17	36	65	No Till
G-063395	NE 1/4	8	17	36	130	No Till
G-137937	SW 1/4	8	17	36	130	No Till
G-010205	SW 1/4	8	18	14	48	Minimum Till
G-010206	SE 1/4	8	18	14	86	No Till
G-049315	SW 1/4	8	18	14	19	No Till
G-015772	SW 1/4	8	18	16	100	No Till
G-052500	NW 1/4	8	18	23	72	No Till
G-070077	NE 1/4	8	18	23	63	Minimum Till
G-058321	SW 1/4	8	18	26	140	No Till
G-068042	SW 1/4	8	18	27	65	Minimum Till
				Total No-Till Acres	**73,964.26**	