



TWIN PLATTE
NATURAL RESOURCES DISTRICT

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2011 Annual Report of Water Use Activities in the Twin Platte NRD

For the 2012 Platte Basin Meeting
June 21, 2012 – Scottsbluff, Nebraska

2011

**ANNUAL REPORT OF WATER USE ACTIVITIES IN THE TWIN PLATTE NRD
TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT
PLAN FOR THE 2012 BASIN-WIDE MEETING**

I. SUMMARY

A. In summary this report is being prepared to review activities within the TPNRD. This report has been compiled for the 2012 Basin-wide meeting.

II. DEFINITIONS

A. Offset – A reduction in irrigated acres, or consumptive use at one or more locations that serves to compensate for a transfer of water to a new location. There can be no new depletions to the river.

B. Variance – This would be an exception to the current adopted rules and regulation of the Twin Platte NRD. An example could be exception to the stay on new irrigated acres and new consumptive uses while providing for adequate offsets or transfers to assure there are no net increases in depletion to the river, impacts to the river, or impacts to existing (ground or surface) users.

C. Transfers – Allows for the consumptive use of water to be changed without causing an increase in depletions to the river or an impact to existing (ground or surface water) users. When determining depletions and accretion to the river, the TPNRD uses the agreed upon methodology of the Platte Basin NRD's which ensures the timing, location, and amount of depletions to the river are being met.

III. CERTIFIED ACRES

A. The District began certifying ground water irrigated acres in December 2005. The initial certification process ended with the effective date of the amendments to the Rules and Regulations on December 16, 2010. A map showing the location and number of certified irrigated acres can be found in Appendix A. Annually the TPNRD tracks any new certifications, and any acres that have permanently removed their irrigation rights through the modification of the certified irrigated acres process.

B. From 2010 to this year there is a slight variation in the total number of certified irrigated acres due to additions and de-certifications to the certified irrigated database. In order to be certified as irrigated, lands were required to be irrigated one time between 2000 and 2004. If this could not be determined by using infrared photography, then documentation is needed to be brought into our office and placed on file. Changes are not made without proper proof and approval from the TPNRD Board of Directors. Other possible changes in irrigated acres also with Board approval could be from acres coming out of programs such as CRP, or for acres being transferred from one county to another county. For 2011 there was an increase in irrigated acres by 491.25 acres. Of those acres, 121.5 certified

irrigated acres came out of the CRP program. The remaining acres were due to incorrect certification of acres originally. Please refer to Table 1 below.

Table 1. Certified Irrigated Acres by County

County	2010	2011	Change '10-'11
Arthur	12,440.79	12,440.79	0
Keith	114,695.19	114,658.52	-36.67
Lincoln	180,930.44	181,458.36	+527.92
McPherson	9,416.57	9,416.57	0
Total	317,482.99	317,974.24	+491.25

IV. APPROVED TRANSFERS

A. The TPNRD allows for transfers of certified irrigated acres to occur as long as a transfer does not conflict with the TPNRD Rules and Regulations. Transfers are prohibited to cross river basin boundaries. For example, a landowner may own land in both the North Platte and South Platte River Basins, but he cannot de-certify the acres from the South Platte River Basin and transfer those acres to a pivot that is located in the North Platte River Basin. Transfers may take place from the North Platte River Basin into the Platte River Basin as long as the de-certified acres are being transferred downstream. The same is true with transferring certified irrigated acres from the South Platte River Basin into the Platte River Basin.

B. Transfers are allowed to occur within flow lines (see map in Appendix B). These flow lines limit the impact on existing (ground and/or surface water) users. These lines were developed using the major diversion points in the TPNRD, and the movement of ground water to the rivers. A transfer can cross these lines moving west to east but not move upstream or east to west which would increase the chance to impact an existing (ground or surface water) user. This transfer rule helps determine there will be no new depletions to the North, South, and Platte Rivers, and any required offsets will be located upstream of the new water use.

C. Transfers are not allowed off any land that is located within the one mile boundary of villages, and the two mile boundary of a city.

D. Transfers are allowed to move from a higher Stream Depletion Factor (SDF) to a lower SDF at a one-to-one rate. If a transfer is requested to move from a lower SDF to a higher SDF, then the amount of transferable acres are reduced by the difference of the two SDF percentages and may not be at a one-

to-one rate. By reducing the acres eligible to be transferred to a new location, the impact to the river remains the same over a 50 year period.

E. For calendar year 2011, the District approved 35 transfers. The total number of acres involved in these transfers considered to be new or moved to a new location was 998.73 acres. The total number of acres involved in these transfers considered for offset or de-certified acres was 998.76 acres. Each transfer resulted in no net increase in stream depletions. Detailed data regarding the location, timing, amount, associated with each transfer can be found in Appendix C.

F. Definition - Transfers – Allows for the consumptive use of water to be changed without causing an increase in depletions to the river or an impact to existing (ground or surface water) users. When determining depletions and accretion to the river, the TPNRD uses the agreed upon methodology of the Platte Basin NRD's which ensures the timing, location, and amount of depletions to the river are being met.

V. WELL CONSTRUCTION PERMITS

A. See Table 2 Summary Table for Well Permits at the end of this section.

B. Supplemental Ground Water Wells

1. The TPNRD has issued Supplemental Ground Water Wells (coded SG). These are ground water wells that supplement an already existing ground water well. There are no increased acres associated with these wells. For example, a well may irrigate two pivots; that producer could apply for a variance for another ground water well (supplemental well). For calendar year 2011 the TPNRD issued one Supplemental Ground Water Well Permit with no new consumptive use.

C. Supplemental Surface Water Wells

1. The TPNRD has issued Supplemental Surface Water Well Permits (coded SS). These are ground water wells that can be used only when their surface water needs are not being met. There is a legal binding contract between the producer and the NRD. These wells are only to be used when the surface water rights have been exhausted. If a producer is found abusing this contract, the ground water well will immediately be in violation, and a cease and desist order will be issued for that well. For calendar year 2011 the TPNRD issued no Supplemental Surface Water Well Permits.

D. Replacement Wells

1. The TPNRD has issued Replacement Well Permits (coded RP). These are replacement wells for a well that has already been registered, and for one reason or another has failed or is no longer

producing as originally intended. For calendar year 2011 the TPNRD issued 17 replacement well permits. For details of these permits refer to Appendix D.

E. Temporary Wells

1. The TPNRD has issued Temporary Well Permits (coded TP). These are wells that are intended to serve for a limited time. For example, the TPNRD allowed a TP well to be used when a road project was underway north of Ogallala so there would be water to help compact the surface of the ground. For 2011 there were no Temporary Water Well Permits issued.

F. De-Watering Wells

1. The TPNRD has issued De-Watering Well Permits (coded DW). These are wells that are intended to serve a limited time defined as less than 90 days. For example, the TPNRD allowed de-watering wells to be used in conjunction with the Village of Sutherland lowering ground water levels so they could lay new water pipes from their new well field. For calendar year 2011 the TPNRD issued zero De-Watering Well Permits.

G. New Well Permits

1. The TPNRD has issued New Well Permits (coded NP). These are wells that are intended to be used to irrigate acres being transferred from the original location to a new location where there is not an existing irrigation well. For example, the TPNRD might allow flood irrigated acres to be de-certified at their original location and transferred to a new location (as long as there is no new depletions) where they could be placed under a pivot that does not have a well associated with it. For calendar year 2011 the TPNRD issued eight New Well Permits. For details of these permits refer to Appendix D. For these eight new well permits there was no new consumptive use associated with these wells.

H. Industrial Wells

1. The TPNRD can issue industrial well permits (coded IN). These are wells where commercial or industries may have needed wells, or need another source of water due to water quality issues. For calendar year 2011, the TPNRD issued three Industrial Well Permits. For details of these permits refer to Appendix D. For offset requirements of the three approved industrial wells it should be noted that the one was allowed in exchange for the decommissioning of 2 industrial wells. For the other two industrial wells; one was an industrial well that pumps less than 50 gpm, and the second new industrial well permit was allowed for temporary road work on the interstate, the Board recognizes that there could be some new consumptive uses associated with these permits and at this time no specific mitigation was provided. However, the TPNRD participated in two separate PBHEP projects that are providing accretions to the river and is working to implement other water projects that will result in net accretions to the river, providing offsets for any new consumptive uses.

I. OTHER PERMITS

1. At this time there are no other permits to report.

Table 2. Summary Table for Well Permits

Well Permit Type	Total
Supplemental Ground Water Wells - SG	1
Supplemental Surface Water Wells - SS	0
Replacement Wells - RP	17
Temporary Wells - TP	0
De-Watering Wells - DW	0
New Well - NP	8
Industrial – IN	3
Total	29

VI. VARIANCES

A. Variances can be pursued for a variety of reasons (i.e. a new ground water well permit for acres that have been historically irrigated using a different well, a transfer is a type of variance). The TPNRD Board reviews variances each month on a case-by-case basis. For a summary of variances refer to Table 2 above.

VII. MUNICIPAL ACCOUNTING

A. Determining the baseline use – For all Cities and Villages located in the Twin Platte NRD - pumping and discharge rates were requested back as far back as could be documented. For all of the communities in the Twin Platte NRD, except the City of North Platte, discharge to a sewage pond or river was used; therefore, we figured one hundred percent consumption of pumped figures. For North Platte and Ogallala we used the actual discharge figures. Discharge numbers were subtracted from pumping numbers to determine the annual amount of consumptive use per city or village. The Department of Economic Development estimated population figures were used in non-census years, and when census

figures were available, those figures were used. Then the annual consumption was divided by population to determine the baseline per person per year. Then the baseline use per person was divided by 365.25 days to give us the baseline use per person per day. These figures can be found in the tables in Appendix F and G. Summary charts of these computations are found in Chart 5 and 6 later in this section.

B. Reporting Data for Cities and Village With a Municipal Transfer Permit – North Platte

1. The city of North Platte is the only community in the TPNRD that has a municipal transfer permit from the State. They have submitted pumping and discharge records for activities through December 2011. See Chart 5 below for a summary chart of the City of North Platte’s annual consumptive use compared to its permitted municipal transfer permit figures. The pumping records of the municipalities are reported in fiscal years (beginning August 1 and ending July 31); therefore FY11-12 is only half completed. Baseline amounts for cities with transfer permits are developed differently than cities without transfer permits. The amount of use described in the municipal transfer permit amounts become the baseline per the Twin Platte Natural Resources Rules and Regulations. Any deviation from that amount on an annual basis is represented in Chart 5. For the details of Cities and Villages with a transfer Permit refer to Appendix F.

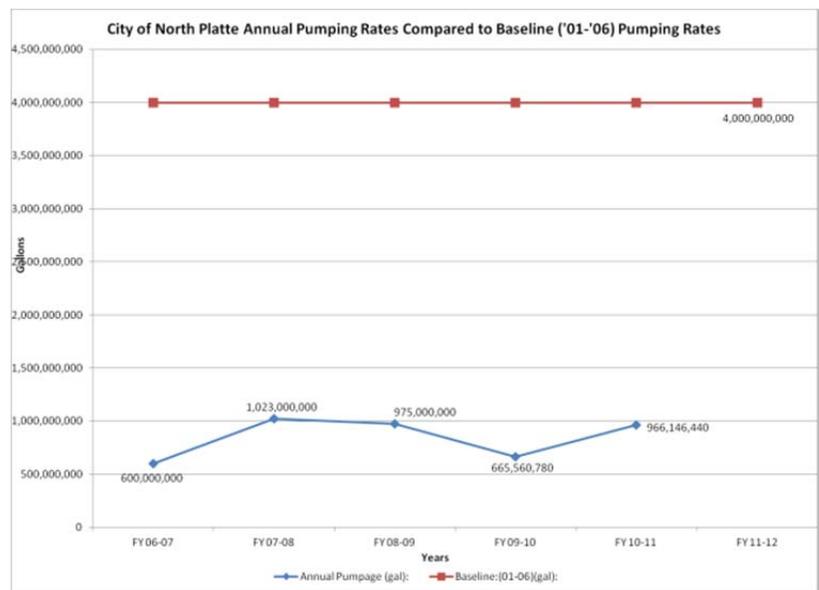


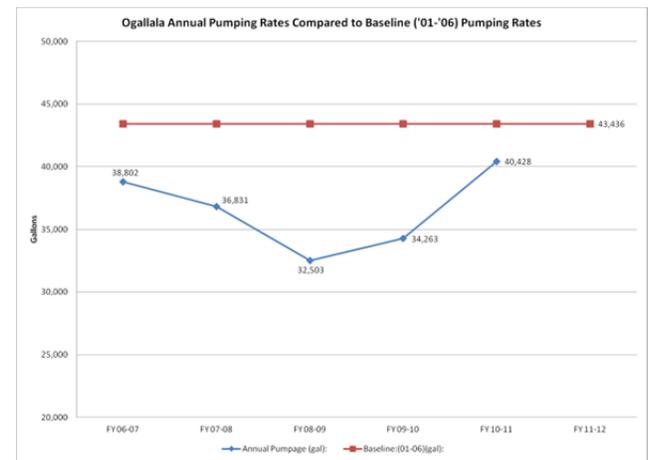
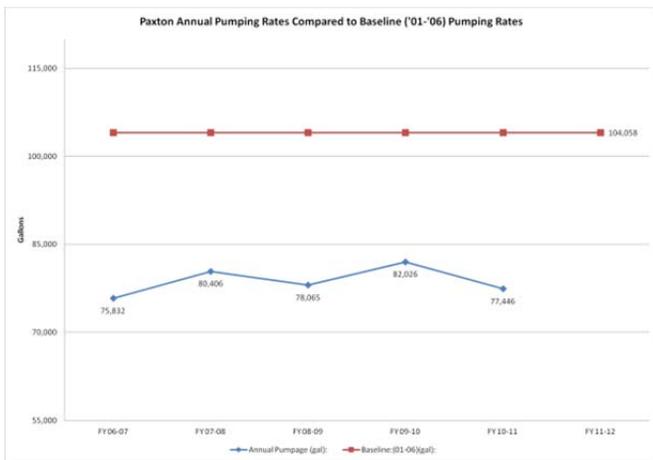
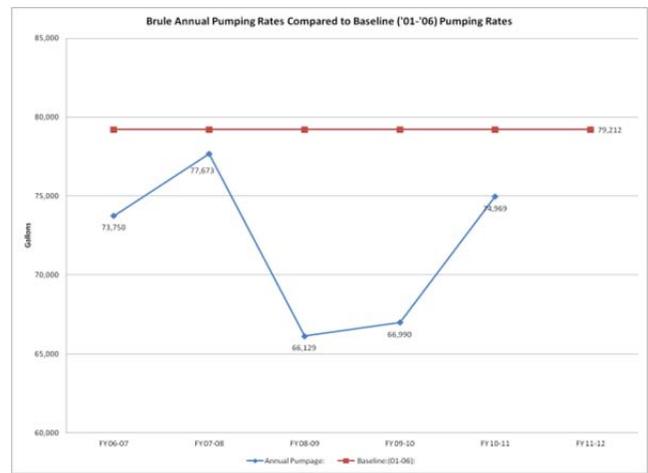
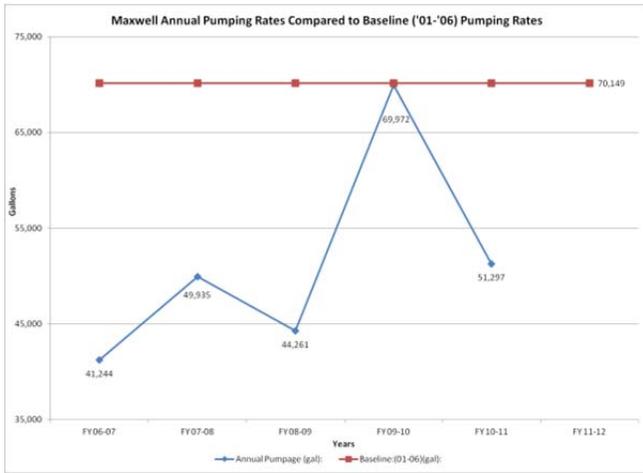
Chart 5. Municipalities with a Transfer Permit Comparison of Baseline Use to Annual Use – The specifics of the pumping and discharge rates for the City of North Platte are not as important for this summary report as is the overall trend that the City pumps a considerable amount less than is allowed under its transfer permit.

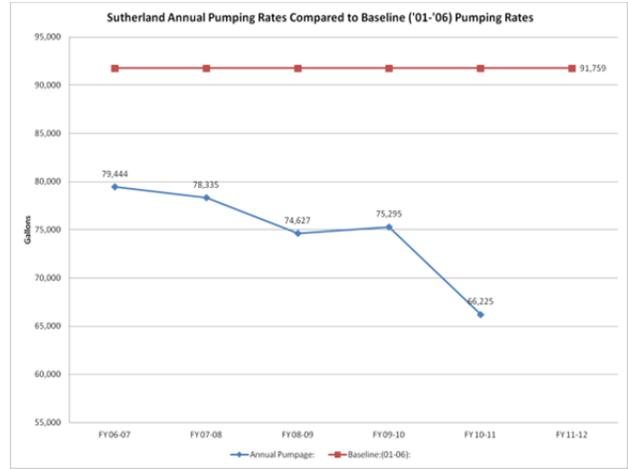
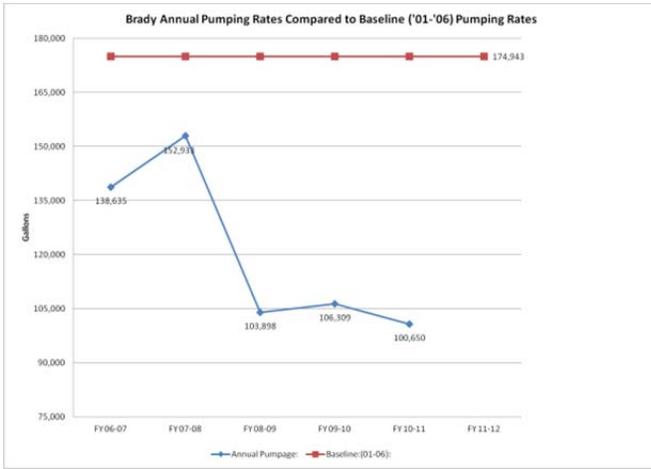
C. Reporting Data for Cities and Villages without a Municipal Transfer Permit

1. Each City and Village without a transfer permit has submitted their pumping and discharge records (where applicable) through December 2011, and those amounts have been entered into a database to determine the annual use and any deviation from the baseline amount on an annual basis. Refer to Chart 6 below to see the summary charts of each village and city without a transfer permit. These charts show the baseline use compared to their annual use for each city

or village in our District without a transfer permit. For the details of Cities and Villages with a transfer Permit refer to Appendix G.

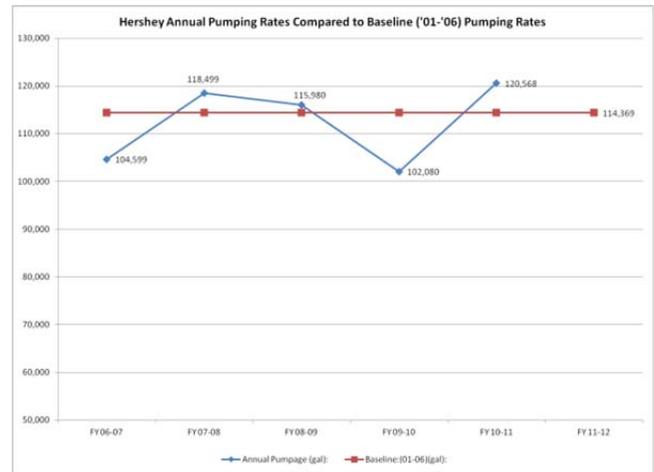
Chart 6. Cities and Villages without a Transfer Permit Comparison of Baseline Use to Annual Use - The specifics of the pumping and discharge rates for the Cities and Villages are not as important for this summary report as is the overall trend that the Cities and Villages pump less than the calculated baseline.





C. 2010 Census Numbers

1. The population numbers for each village and city have been adjusted to match the 2010 census figures. The population numbers are used when figuring the annual consumptive use. The Department of Economic Development estimated population figures were used in the non-census years.



VIII. INDUSTRIAL ACCOUNTING

A. Contact

1. Information has been gathered on all the registered commercial/industrial wells that pump greater than fifty (50) gpm within the TPNRD. The TPNRD staff has been busy narrowing down the 57 wells with 21 different owners registered by the state of Nebraska as commercial and/or industrial wells that pump greater than 50 gpm. Many of these wells are incorrectly registered and require time to work with the owners.

2. Definitions

a. Industrial Water Well - Commercial Use - Golf Course Wells – The definitions under groundwater Title 456 shall include, but not be limited to, maintenance of golf course turf.

1. Baseline – There are seven golf courses using fourteen (14) of the sixty (60) registered commercial and/or industrial wells in the TPNRD, and those wells have been sorted out and work initially started with these wells. Working with the representative individuals and understanding how they operate to determine the best way to report their baseline use has been a challenge, but a systematic approach has been developed. It has been determined that the

total irrigated acres will be the baseline when working with the golf course wells in the TPNRD. Each golf course worked with NRD staff to delineate the acres that were historically irrigated between 2000 through 2006. The seven golf courses in the TPNRD have not expanded since prior to 2000; therefore, their baseline use of acres irrigated has not changed. On an annual basis the TPNRD staff will work with the golf course staff to verify they have not increased consumptive use or depletions to the river. For details of these industrial (golf course) well baselines refer to Table 7 below.

Table 7. Summary of the baseline use of golf courses in the TPNRD (reported in acres)

Well Id	Reg #	S	T	R	Name	Baseline	2007	2008	2009	2010	2011
120150	G-101808	22	15	40	Bayside Investments	63.3	63.3	63.03	63.03	63.03	63.03
120801	G-102429	22	15	40							
105232	G-090154	9	13	38	West Wind Golf Co	71.71	71.71	71.71	71.71	71.71	71.71
37527	G-030632	9	13	38							
213439	G-160987	9	13	38							
213443	G-160986	9	13	38							
213440	G-160985	9	13	38							
86288	G-013763	9	13	38							
172740	G-160985	9	13	38							
86391	G-077670	7	12	330	Lake Maloney Golf Assn	81.11	81.11	81.11	81.11	81.11	81.11
77464	G-137635	18	13	35	Indian Meadows Golf Course	27.002	27.002	27.002	27.002	27.002	27.002
86415	G-077797	5	13	33	Sutherland Golf Association	32.436	32.436	32.436	32.436	32.436	32.436
86415	G-077773	10	13	30	City of NP/Iron Eagle Golf Course	50.93	50.93	50.93	50.93	50.93	50.93
77464	G-069317	28	14	30	North Platte Country Club	99.78	99.78	99.78	99.78	99.78	99.78

b. Industrial Water Well - The definitions under groundwater Title 456 states a well that provides ground water for manufacturing, commercial, and power generation purposes is an industrial water well.

1. Baseline – There are ten (10) different owners of forty three (43) industrial wells in the TPNRD left to establish baselines and annual uses. Of these remaining wells, initial contact has occurred and we are in the process of working with the representative individuals to determine the best way to report their baseline and annual use. For details of the status of baseline determinations for these industrial wells that provide ground water for manufacturing, commercial, and power generation purposes refer to Table 8 below.

Table 8. Summary of the baseline use of Industrial wells in the TPNRD

Well ID	Reg CD	Name	Baseline
57122	G-049632	NPPD	TBD
72463	G-064509	NPPD	TBD
159710	G-128029	NPPD	TBD
159711	G-128030	NPPD	TBD
159714	G-128033	NPPD	TBD
159715	G-128034	NPPD	TBD
159716	G-128035	NPPD	TBD
159717	G-128036	NPPD	TBD
159718	G-128037	NPPD	TBD
159719	G-128038	NPPD	TBD
159720	G-128039	NPPD	TBD
159725	G-128044	NPPD	TBD
159727	G-128046	NPPD	TBD
159728	G-128047	NPPD	TBD
159729	G-128048	NPPD	TBD
159731	G-128050	NPPD	TBD
159732	G-128051	NPPD	TBD
159733	G-128052	NPPD	TBD
159734	G-128053	NPPD	TBD
159735	G-128054	NPPD	TBD
159736	G-128055	NPPD	TBD
159738	G-128057	NPPD	TBD
159740	G-128059	NPPD	TBD
159742	G-128061	NPPD	TBD
159743	G-128062	NPPD	TBD
159744	G-128063	NPPD	TBD
159745	G-128064	NPPD	TBD
159746	G-128065	NPPD	TBD
48454	G-041198	NPPD	TBD
50421	G-043107	NPPD	TBD
50422	G-043108	NPPD	TBD
68391	G-060611	Paulsen's	TBD
78265	G-070100	Paulsen's	TBD
105222	G-090127	Paulsen's	TBD
120573	G-102248	Sargent Pipe Co Inc	TBD
126566	G-106443	Western Engineering	TBD
118132	G-100408	Cenex Land O Lakes	TBD
112692	G-096420	Central Nebraska Packing Inc	TBD
95099	G-084422	CNPPID	TBD
147802	G-120299	Cody Go Kart Family Fun Park	TBD
160297	G-128598	Lincoln Farm	TBD
120783	G-102374	Midwest Renewable Energy LLC	TBD
120785	G-102375		TBD

TBD – To be Determined at a later date

IX. FLOW METER DATA

A. Flow meters are not required in the TPNRD at this time.

X. OTHER WATER BANKING ACTIVITIES

A. The TPNRD in conjunction with an Omaha company has developed water banking software that is used for variances, transfers, and any other water banking purchases. Currently, we do not have a District-wide stand alone water bank.

XI. RETIRED ACRES AND OTHER STREAM FLOW ACCRETION ACTIVITIES

A. A re-timing project in conjunction with the State of Nebraska occurred in the spring of 2011 and the fall of 2011 on the Western Irrigation District off the South Platte River. At the same time a similar project was under way with the State of Nebraska involving four irrigation Ditches (Suburban, Platte Valley, Keith-Lincoln, Paxton-Hershey) off the North Platte River. The results of both projects are currently being reviewed by the State of Nebraska.

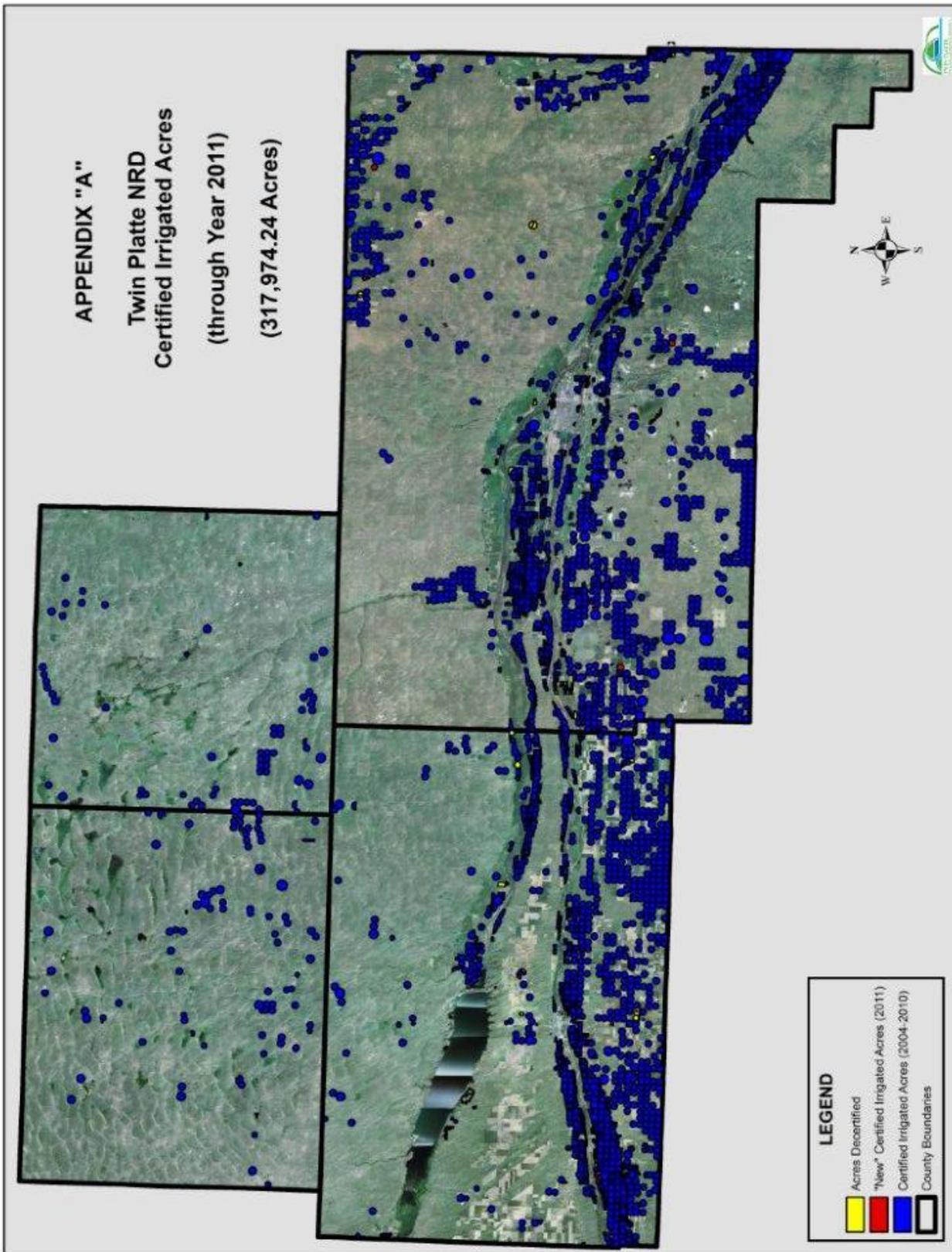
B. At the same time another re-timing project on the South Platte River and in conjunction with the Western Irrigation District was demonstrated with re-use pits. The results of this re-timing project are also being reviewed by the State of Nebraska.

C. Additional other projects are being looked at for the most efficient use of time and money to get water back to the river in the quickest time possible, i.e. the J-2 Reservoir Project.

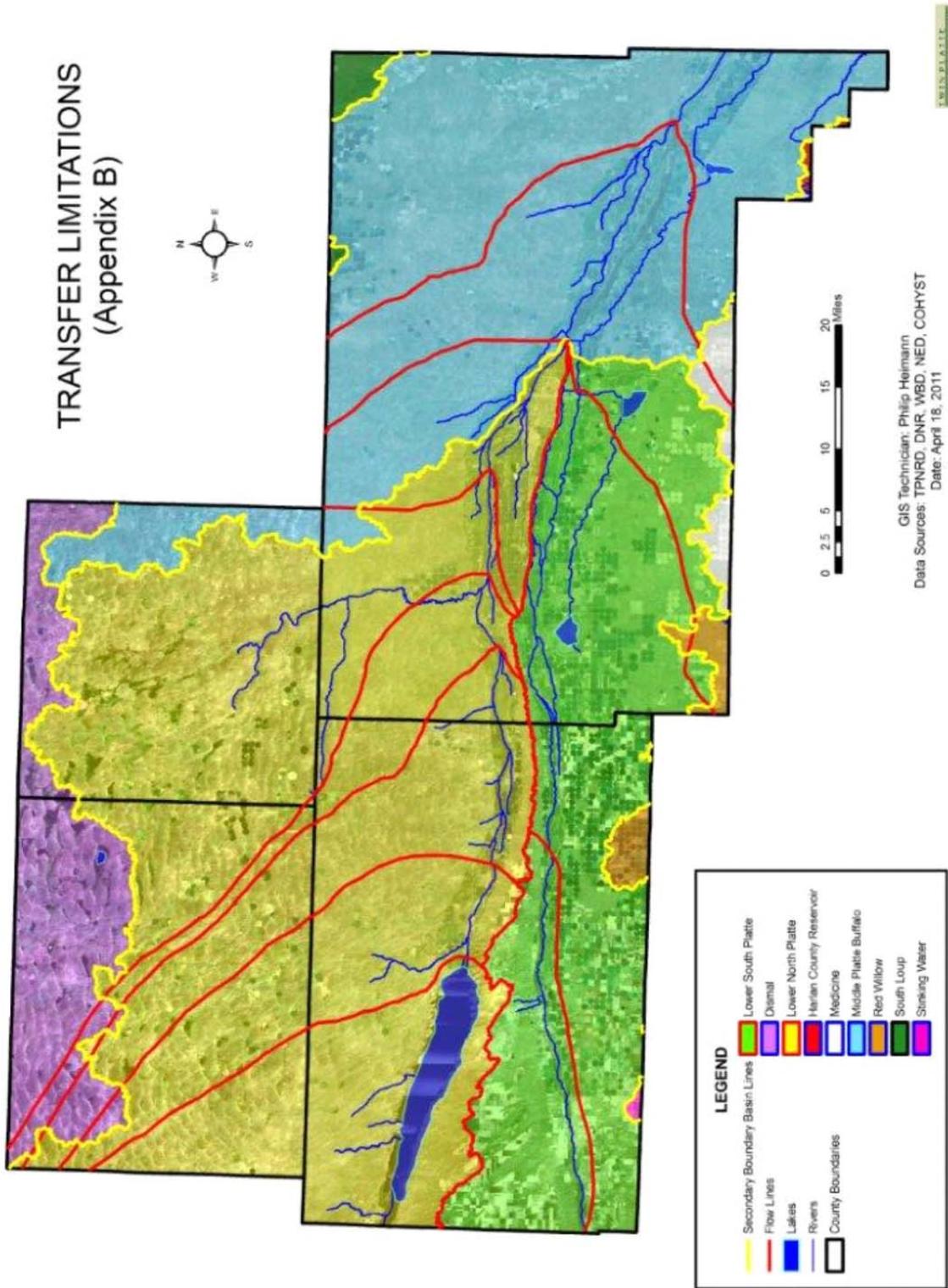
XII. GROUND WATER LEVELS

A. Tracking and reporting of ground water levels is not required in the IMP (Chapter 7.I.A.1 (a) and 7.I.A.2).

Appendix A. Certified Irrigated Acres through Year 2011



Appendix B. Transfer Limitations Map



Appendix C. Detailed Summary Tables for 2011 Transfers

Due to the size of the tables for the 2011 transfers, the full tables will only be included with the electronic version of this report.

New Acres 2011

NRD PERMIT	TOWNSHIP	RANGE	SECTION	SUBSECTION	ACRES
TP-TRANS-11.02	12	28	6	W	10.27
TP-TRANS-11.04	13	38	30	SE	26.30
TP-TRANS-11.06	13	34	15	NE	10.70
TP-TRANS-11.07	13	40	30	NW	62.00
TP-TRANS-11.08	13	40	30	NW	2.33
TP-TRANS-11.09	14	36	20	NE	6.00
TP-TRANS-11.12	12	29	18	NW	112.08
TP-TRANS-11.13	14	32	18	NW	10.00
TP-TRANS-11.14	14	33	24	NE	7.40
TP-TRANS-11.15	11	26	24	SE	2.50
TP-TRANS-11.16	14	38	23	NW	52.14
TP-TRANS-11.17	12	27	05	NE	2.21
TP-TRANS-11.17	12	27	04	W	1.43
TP-TRANS-11.18	16	26	29	SE	12.23
TP-TRANS-11.19	11	26	23	SE	3.19
TP-TRANS-11.20	13	39	3	W	14.01
TP-TRANS-11.22	13	33	15	E	64.40
TP-TRANS-11.23	13	40	19	NW	1.05
TP-TRANS-11.24	12	36	18	SW	21.00
TP-TRANS-11.25	13	37	16	NW	19.90
TP-TRANS-11.26	13	37	17	NW	2.20
TP-TRANS-11.27	14	34	22	SW	2.35
TP-TRANS-11.29	13	34	25	SW	136.00
TP-TRANS-11.30	13	40	19, 30	SE, NE	63.11
TP-TRANS-11.31	12	26	32	SE	4.00
TP-TRANS-11.32	14	31	22	SE	3.40
TP-TRANS-11.36	13	39	15	SE	50.35
TP-TRANS-11.38	14	36	26	NE	35.00
TP-TRANS-11.40	16	29	12	SE	68.00
TP-TRANS-11.41	13	28	25	W	40.75
TP-TRANS-11.42	16	26	29	SE	15.35
TP-TRANS-11.44	12	26	12	S	4.96
TP-TRANS-11.45	12	30	12	NE	22.16
TP-TRANS-11.47	16	27	16	NE	105.93
TP-TRANS-11.49	13	29	19	NW	4.00

Appendix C. Detailed Summary Tables for 2011 Transfers

Due to the size of the tables for the 2011 transfers, the full tables will only be included with the electronic version of this report.

Old Acres 2011

NRD PERMIT	TOWNSHIP	RANGE	SECTION	SUBSECTION	ACRES
TP-TRANS-11.02	12	28	6	W	10.27
TP-TRANS-11.04	13	36;37	4; 5	E, E	26.3
TP-TRANS-11.06	13	34	03	NE	10.7
TP-TRANS-11.07	13	41	24, 25, 26	SW,,,, SE	62
TP-TRANS-11.08	13	40	30	NW	2.33
TP-TRANS-11.09	14	36	20	NW	6
TP-TRANS-11.12	12	27	3	W	112.08
TP-TRANS-11.13	14	32	18	NW	10
TP-TRANS-11.14	14	33	24	NE	7.4
TP-TRANS-11.15	11	26	24	SE	2.5
TP-TRANS-11.16	14	38	23	SE	52.14
TP-TRANS-11.17	12	27	04	SW	1.43
TP-TRANS-11.17	12	27	05	NE	2.21
TP-TRANS-11.18	16	26	29	SE	12.23
TP-TRANS-11.19	11	26	23, 26	SE, NE	3.21
TP-TRANS-11.20	13	39	3	W	14.01
TP-TRANS-11.22	13	39	15	E	64.4
TP-TRANS-11.23	13	40	19	NW	1.05
TP-TRANS-11.24	13	31	17	NW	21
TP-TRANS-11.25	13	37	16	NW	19.9
TP-TRANS-11.26	13	37	17	NW	2.2
TP-TRANS-11.27	14	34	22	SW	2.35
TP-TRANS-11.29	13	34	3	NE, S	136
TP-TRANS-11.30	13	40	20, 29	S, NW	63.11
TP-TRANS-11.31	12	26	32	SE	4
TP-TRANS-11.32	14	31	22	SE	3.4
TP-TRANS-11.36	13	41	32	NE	50.35
TP-TRANS-11.38	14	36	24	NE, SE, NESW	35
TP-TRANS-11.40	16	29	11	NE	68
TP-TRANS-11.41	13, 12	28, 28	25, 12	W, NE	40.75
TP-TRANS-11.42	16	26	29	SE	15.35
TP-TRANS-11.44	12	26	12	SE	4.96
TP-TRANS-11.45	12	30	01, 12	SW, NE	22.16
TP-TRANS-11.47	14	28	14, 23	S, N	105.93
TP-TRANS-11.49	13	29	19	NW	4

Appendix D. Detailed Tables for 2011 New Well Permits.

<u>CONTRACT</u>	<u>TYPE</u>	<u>REGISTRATION NUMBER</u>	<u>TOWNSHIP</u>	<u>RANGE</u>	<u>SECTION</u>	<u>SUBSECTION</u>
TP-IN-11.10	Industrial	Denied	13	37	8	SENE
TP-IN-11.33	Industrial	G-162064	13	30	11	SWNE
TP-IN-11.35	Industrial	G-159939	13	37	8	NENE
TP-IN-11.43	Industrial	G-160756	13	39	1	NESE
TP-NP-11.03	New	Expired	13	38	30	SE
TP-NP-11.05	New	G-159082	16	28	15	NW
TP-NP-11.11	New	G-158606	12	29	18	NW
TP-NP-11.21	New	G-159364	13	33	15	SE
TP-NP-11.28	New	G-159365	13	34	25	NESW
TP-NP-11.39	New	G-160455	16	29	12	SE
TP-NP-11.48	New	G-161010	16	27	16	NE
TP-RP-11.01	Replacement	G-048593	13	32	23	W
TP-RP-11.02	Replacement	G-012527	11	26	16	SE
TP-RP-11.03	Replacement	G-067654	11	34	7	SW
TP-RP-11.04	Replacement	G-016229	14	36	20	NE
TP-RP-11.05	Replacement	G-051279	13	29	18	SE
TP-RP-11.06	Replacement	G-073070	13	35	8	NW
TP-RP-11.07	Replacement	G-052231	12	40	1	NW
TP-RP-11.08	Replacement	G-053119	13	26	10	NW
TP-RP-11.09	Replacement	G-021992	13	28	25	NW
TP-RP-11.10	Replacement	G-073760	14	39	25	SE
TP-RP-11.11	Replacement	G-062416	15	35	23	NW
TP-RP-11.12	Replacement	G-007316	13	40	26	SW
TP-RP-11.13	Replacement	G-027511	14	36	24	NE
TP-RP-11.14	Replacement	G-062060	12	40	1	NE
TP-RP-11.15	Replacement	G-059082	17	34	7	NW
TP-RP-11.16	Replacement	G-066086	13	39	29	NE
TP-RP-11.17	Replacement	G-160107	13	29	21	SW
TP-SG-11.34	Supplemental	G-162993	12	41	11	E

Appendix F. Detailed Tables for Cities with a Municipal Transfer Permit.

	North Platte
Population - ('01-'06)	23,817
Baseline Consumption ('01-'06) (gal)	1,681,200,000
Municipal Transfer Permit	4,000,000,000
Per Capita Consumptive Use Per Year (gal)	70,614
Per Capita Consumptive Use Per Day (gal/day)	193
Baseline Years	'01-'06
Discharge	Stream
Metered Readings	Yes
Number of Wells	19 Drinking & 4 Irrigation
Population - 2010	24,733
Consumption (FY '10-'11) (gal)	966,146,440
Municipal Transfer Permit (gal)	4,000,000,000
Per Capita Consumptive Use Per Year (gal)	39,063
Per Capita Consumptive Use Per Day (gal/day)	107
Comments	

Appendix G. Detailed Tables for Cities Without a Municipal Transfer Permit.

	Brady	Brule	Hershey	Maxwell	Paxton	Ogallala	Sutherland
Population - ('01-'06)	369	339	694	317	559	4,751	1,184
Baseline Consumption ('01-'06) (gal)	174,943	79,212	114,369	701,149	104,058	43,436	91,759
Per Capita Consumptive Use Per Day (gal/day)	359	217	313	192	285	119	251
Baseline Years	'04-'06	'01-'06	'01-'06	'01-'06	'01-'06	'01-'06	'01-'06
Discharge	lagoon	lagoon	lagoon	lagoon	Stream	Stream	lagoon & 32 acres irrigation
Metered Readings	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Number of Wells	2	2	4	2	3	4	3
Population - 2010	428	326	665	321	510	4,737	1,286
Consumption (FY '10-'11) (gal)	100,650	74,969	112,442	49,859	77,446	40,428	66,225
Per Capita Consumptive Use Per Day (gal/day)	276	205		137	212	111	181
Comments	P & D records through 1997 36,550 gal credit	P & D records through 1997 36,550 gal credit	P & D records through 2000 Annually reported 10,119 gal credit Lg discrepancy with population # and DED # work in progress	P & D records through 1997 95,474 gal credit	P & D records through July '01 121,515 gal credit	P & D records through 2000 34,353 gal credit	P & D records through Aug '01 84,869 gal credit