


STATE OF NEBRASKA  
DEPARTMENT OF NATURAL RESOURCES

PETITION TO THE NEBRASKA DEPARTMENT OF NATURAL RESOURCES  
FOR LEAVE TO FILE OR CONSIDER AN APPLICATION FOR A NEW  
SURFACE WATER APPROPRIATION WITHIN A MORATORIUM OR STAY AREA  
UNDER TITLE 457 N.A.C. CHAPTER 23

Complete items 1 through 5 by printing in ink or typing the appropriate information and by placing an X in the appropriate box. Attach supporting documentation and a \$10 non-refundable filing fee.		<b>For Department Use Only</b>	
1. Name and address of petitioner: Twin Platte Natural Resources District Attn: Ann Dimmitt, IMP Manager PO Box 1347 North Platte NE 69103-1347  E-mail address: <u>adimmitt@tpnrd.org</u> Telephone No. <u>(308) 535-8080</u>		Modification No.: <u>VAR-6185</u> Date Filed: <u>May 4, 2017</u> Time Filed: <u>8:04 am</u> SW Appropriation No.: _____ (if applicable) Right ID No.: _____ (if applicable) Water Division: <u>1-A</u> Receipt No.: <u>A-4774</u> Amount: <u>\$10.00</u> (\$50.00)	
2. Check the situation that applies: <input type="checkbox"/> Application Already Filed Application Number: _____ <input checked="" type="checkbox"/> Application Not Filed (Enclose copy of proposed application)			
3. Description of proposed project: <u>In the non-irrigation season and such other times as excess flows are available, divert excess streamflows for the purpose of recharging the aquifer, via the existing Western Canal head gate located in the NE 1/4 SE 1/4 Section, 14, T12N, R43W, of the 6th PM in Deuel County from the South Platte River.</u>			
4. The Proposed Project — (Check all that apply): <input checked="" type="checkbox"/> 001.01 — Is a non-consumptive use <input type="checkbox"/> 001.02 — Will replace (offset) any consumptive use (Attach Offset Plan) <input checked="" type="checkbox"/> 001.03 — Is for possible unappropriated water (Attach Analysis) <input type="checkbox"/> 001.04 — Existed before the stay or moratorium (Attach Proof) <input type="checkbox"/> 001.05 — Addresses a public safety issue (Attach Explanation) <input type="checkbox"/> 001.06 — Is a temporary use for public construction (<10 AF)			
5. Other reason why a variance should be granted: <u>Granting the variance will allow the applicant to provide broad benefits to local, regional and state interests. Specifically, the augmented flows will provide a habitat for species as intended by the multi-state Platte River Cooperative Agreement. Augmented flow will further assist the applicant, Platte River Basin NRDs, and the State of Nebraska meet their water obligation under the PRIP and LB 962.</u>  <u>See Attachment.</u>			
<u>4.27.17</u> Date		 Signature of Applicant (or authorized agent)	

Send to the following address (along with \$10 non-refundable filing fee):

State of Nebraska  
Department of Natural Resources  
301 Centennial Mall South / PO Box 94676  
Lincoln, Nebraska 68509-4676  
(402) 471-2363

*mod-05032017-6185-p0 i (14)*

## LEASE AGREEMENT

This Canal/Lateral Lease Agreement is made and entered into this 17<sup>th</sup> day of March, 2015, between the Twin Platte Natural Resources District ("TPNRD"), a political subdivision of the State of Nebraska, and the Western Irrigation District ("Irrigation District"), a political subdivision of the State of Nebraska, collectively referred to as the "Parties."

### RECITALS

WHEREAS, TPNRD is a political subdivision of the State of Nebraska, duly authorized to acquire, hold, dispose of and lease rights and appropriations to use the waters of the State of Nebraska:

WHEREAS, TPNRD desires to enhance the flows of water to the Platte River, as required by the TPNRD Integrated Management Plan, through means of ground water recharge to induce return flows;

WHEREAS, the Irrigation District owns and operates certain canals and laterals that have the capability to divert water from the South Platte River;

WHEREAS, 70 percent of the Irrigation District Service Area lies in the TPNRD and 30 percent lies in the South Platte Natural Resources District ("SPNRD");

WHEREAS, the Irrigation District desires to enter into a lease the use of its canals and laterals with the TPNRD to divert available flows in the non-irrigation season and such other times as flows are available from the South Platte River for ground water recharge and streamflow enhancement;

WHEREAS, the Irrigation District understands and acknowledges that payment for the use of its canals and laterals, as set forth below, is dependent upon TPNRD obtaining an appropriation from the Nebraska Department of Natural Resources ("NDNR").

NOW THEREFORE, the Parties mutually agree as follows:

1. Canals and Laterals. The Irrigation District agrees to lease to the TPNRD the canals and laterals identified in Appendix A to this Lease Agreement. Under the direction of TPNRD, the Irrigation District will be responsible for the operation of any headgates and the diversion of water into the appropriate canals and laterals.

2. Water Rights. TPNRD shall be responsible for obtaining the necessary and appropriate water rights/appropriations from the NDNR. The Irrigation District understands and acknowledges that TPNRD will not be authorized to direct any diversion of water from the South Platte River and that the date of issuance of any such right or appropriation is beyond the control of TPNRD.

3. Amount Diverted And Timing of Diversions. TPNRD intends to acquire a water right/appropriation for 176.26 cubic feet per second ("cfs"). As directed by TPNRD, the Irrigation District shall divert flows up to and including 176.26 cfs during the non-irrigation season and such other times as flows are available. If necessary for safety, or as required to protect the canals and laterals, the Irrigation District may divert a lesser amount or no amounts upon notice to TPNRD management.

4. Non-Irrigation Season. As used in this Lease Agreement, the term "non-irrigation season" shall mean the period from October 1 to April 15 of the following year.

5. Payment. Upon the execution of this Lease Agreement, TPNRD shall pay the Irrigation District the sum of \$4,200.00 as an incentive to enter into this Lease Agreement. Provided the TPNRD obtains the necessary and appropriate water rights/appropriations, on March 1 of each year thereafter, TPNRD agrees to pay an additional sum of \$4,200.00 to the Irrigation District as an annual retainer. Provided the TPNRD obtains the necessary and appropriate water rights/appropriations, on January 1 of each year thereafter, TPNRD agrees to pay \$31.00 per acre-foot of recharge that occurs during the preceding year. The Irrigation District understands and agrees that TPNRD shall have sole discretion to calculate the amount of recharge that occurs for each year. Upon the request of the Irrigation District, TPNRD agrees to provide a detailed explanation of its calculations to determine the amount of recharge that occurs each year. TPNRD agrees to annually adjust the previous year's retainer payment and per acre-foot payment based on a change in a consumer price index agreed to by the Irrigation District and the TPNRD. Payments received by the Irrigation District will be used for improvements or maintenance of structures, canals, and/or laterals. The Irrigation District will provide an annual report to the TPNRD on the use of the funds received from the TPNRD.

6. Duration. The duration of this Lease Agreement shall be 50 years from the date this agreement is signed by both Parties. The Parties may mutually agree to extend this Lease Agreement upon the terms and conditions set forth herein as desired.

7. Future Participation of the SPNRD. If the SPNRD desires to acquire an offset credit that may arise from this Lease Agreement and the associated Water Rights acquired by TPNRD, TPNRD agrees to work with SPNRD to enter a separate agreement to assist in the creation of such an offset credit. TPNRD will work with SPNRD to acquire the offset credit in a manner related to the Irrigation District Service Area in the SPNRD. SPNRD will not need to decide whether to enter into an agreement with TPNRD until such time as TPNRD has acquired all necessary water rights/appropriations.

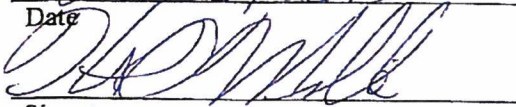
8. Assignment. No assignment of this Lease Agreement shall be allowed without the mutual written consent of the Parties.

9. Governing Law. Parties agree that this Lease Agreement shall be governed, construed, and enforced in accordance with the laws of the State of Nebraska.

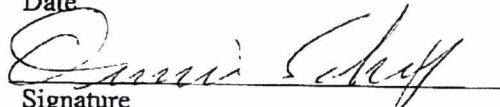
10. Modification. None of the terms or conditions of this Lease Agreement shall be modified without the written consent of the Parties, and this Lease Agreement contains the entire agreement of the Parties.

IN WITNESS WHEREOF, the Parties hereto have signed this Lease Agreement on the dates indicated.

TWIN PLATTE NATURAL  
RESOURCES DISTRICT

March 18, 2015  
Date  
  
Signature

WESTERN  
IRRIGATION DISTRICT

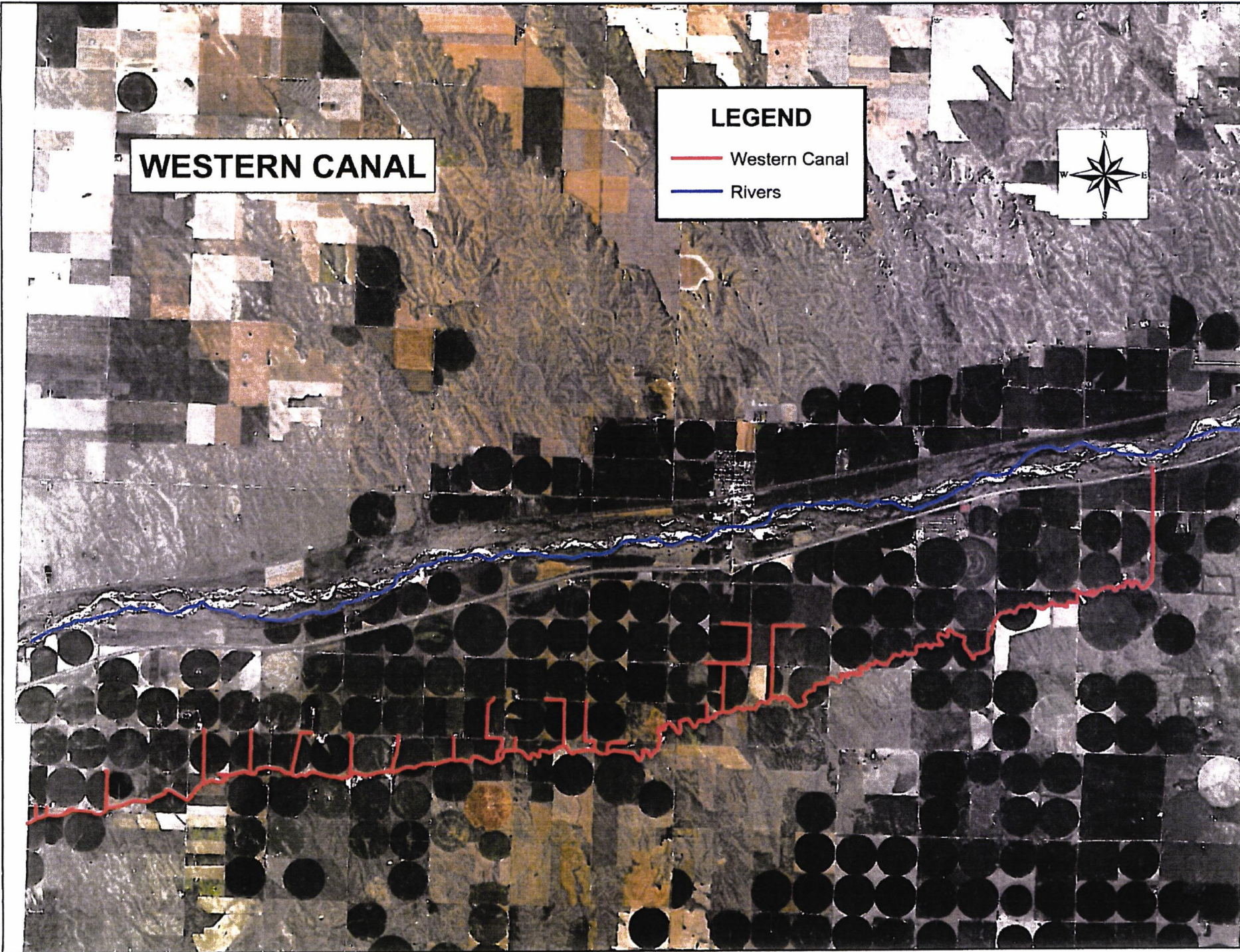
3-21-2015  
Date  
  
Signature



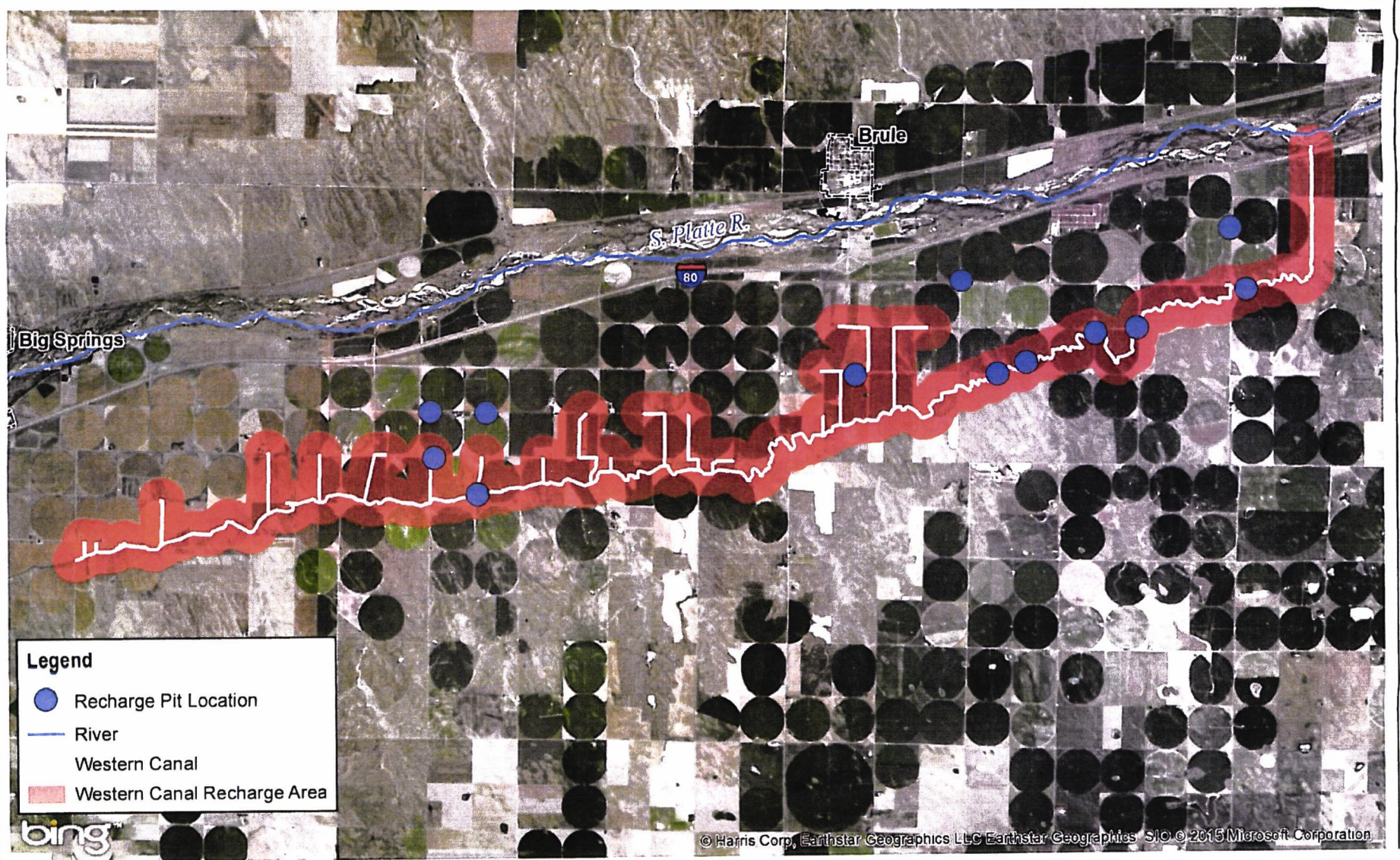
# WESTERN CANAL

## LEGEND

- Western Canal
- Rivers

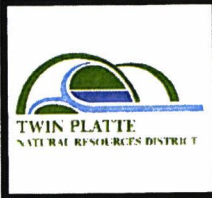
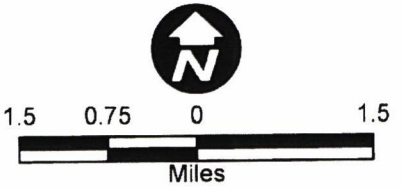






**Legend**

- Recharge Pit Location
- River
- Western Canal
- Western Canal Recharge Area



# Western Canal

DATE	April 2015
FIGURE	1



## **Narrative on the Benefits of the Irrigation Canal Recharge Projects in the Twin Platte Natural Resources District**

### **Background**

In 2004, Legislative Bill 962 was enacted which designated the Platte River Basin west of Elm Creek as "Over Appropriated". This designation requires the Natural Resources Districts (NRDs) in the over appropriated areas to impose moratoriums on new ground water wells, and on new ground water depletions due to ground water irrigated acres. The moratorium included all tributary streams above the Loup River confluence, including the North and South Platte Rivers and tributaries. The Twin Platte Natural Resources District (TPNRD) is located in the impacted area.

On January 1, 2007, work officially commenced on the Platte River Recovery Implementation Program (Program). The Program's goals include reducing shortages to U.S. Fish and Wildlife Service target flows and providing additional land habitat for "target species" (the whooping crane, piping plover, interior least tern, and pallid sturgeon) in the Lexington to Chapman reach of the Platte River. In order to meet these goals, the states of Nebraska, Wyoming, Colorado, and the Department of the Interior adopted depletion plans to address the mitigation of the adverse impacts of certain new water-related activities on streamflows in the Platte River. Nebraska's New Depletion Plan provides that the State of Nebraska will mitigate existing surface water and groundwater uses in order to return to a July 1, 1997 level of water-use development. Portions of the shortages to target flows are intended to be offset through water conservation and water supply projects identified by the Program Governance Committee in the Water Action Plan. A goal of the first thirteen-year increment of the Program is to attempt to reduce shortages to target flows by an average of 130,000 to 150,000 acre-feet (AF) per year, as measured at Grand Island.

In August 2009, integrated management plans (IMPs) were adopted by order of the Nebraska Department of Natural Resources (Department), pursuant to *Neb. Rev. State. 46-718(2)* for several NRDs, including the Twin Platte NRD. As part of the surface water controls adopted by the Department pursuant to *Neb. Rev Stat. 46-716(1)(b)*, the moratorium on issuing new surface water appropriations was continued.

On September 11, 2009, a Basin-Wide Integrated Management Plan (BWIMP) for the overappropriated area of the Platte River Basin was adopted by order of the Department. The TPNRD approved the BWIMP, effective September 15, 2009. As a result, the District must place 7,700 acre-feet of offset water into the Platte River annually due to the impact of new ground water irrigated acres developed since 1997. If offset water is not found, the IMP requires regulations for ground water users to reduce their consumptive use of ground water approximately 10 to 15 percent per irrigator (approximately 35,000 acres to 50,000 acres), to meet the required offset water to the river.

## Project Purpose and Approach

As a result of the LB 962's designation of the area as over appropriated and the mission of the Program, the TPNRD is seeking a permanent right to divert excess flows from the Platte River in order to provide ground water recharge and provide additional public interest benefits (detailed on the following pages). Specifically, the objective of the project is to allow an opportunity to divert "excess" flows into existing irrigation canals for intentional ground water recharge. Excess flows include any flow that is not already identified in the Program agreement, or any flow that is not already appropriated by the state of Nebraska. Temporary permits for similar purposes were requested by TPNRD were granted by DNR in 2011, 2013 and 2014.

Permanent appropriations are being sought for the following canals:

- Keith-Lincoln Irrigation Canal, which diverts water from the North Platte River
- Suburban Irrigation Canal, which diverts water from the North Platte River
- Paxton-Hershey Canal, which diverts water from the North Platte River
- North Platte Canal, which diverts water from the North Platte River
- Western Irrigation Canal, which diverts water from the South Platte River

When excess water is available, water will be diverted by any or all of these canals to flow through the canals and their laterals. This diversion could begin as early in the spring as possible, when excess water is available and ice is not a problem. Diversion would continue, subject to availability, until irrigation season begins. Diversions could also continue after irrigation season concludes or demand diminishes, sufficient to allow the canals to have enough capacity to carry the recharge water. All of the diversions would be subject to availability of excess flows and would only occur when excess flow events occur. The total annual diversion volumes will vary depending on flows and availability. Lease agreements for appropriation have been signed by TPNRD and irrigation districts involved.

## Results of Previous "Upper Platte River Recharge and Flood Mitigation Demonstration Project"

In order to understand the potential impacts of a project of this kind, a demonstration project was developed in 2011 in conjunction with the DNR, Platte Basin NRDs (North Platte NRD, South Platte NRD, Twin Platte NRD, Central Platte NRD and Tri-Basin NRD), and twenty-one irrigation districts along the North and South Platte Rivers. Excess flows were diverted during the months of September through December. Canal losses were calculated using diversion and spill discharge measurements in order to quantify the volume of water that was recharged by the canals. Recharge volumes for each canal were used in conjunction with response functions developed by the technical committee under the Platte Basin Habitat Enhancement Program (PBHEP) to calculate estimated accretions/depletions to the Platte River. Results from the demonstration project for include:

- The annual accretion during the first decade is approximately 1,000 to 1,500 acre ft (AF) per year
- Residual accretions greater than 500 AF per year will persist for 25 years.

- NRD-specific estimates show a 50-year benefit to streamflow ranging from 2,000 to 12,000 AF, with total 50-year benefits over 36,000 AF.
- Canal specific source data indicates that approximately 140,000 AF of water was diverted, of which approximately 65,000 AF is estimated to have seeped into ground water storage.

This indicates that much of the benefit from this single seepage demonstration may persist well beyond the 50-year planning horizon. Water use and management practices in the interim will fundamentally impact the realization of these benefits.

### Project Benefits

The water right requested in this application not only provides the economic, environmental and social benefits outlined below, it is compatible with the Platte Basin-wide Integrated Management Plan, as well as TPNRD's IMP. These plans allow for the Platte River Basin NRDs to identify management options to accomplish the goal of incrementally achieving and sustaining a fully appropriated status, including through augmentation/retiming projects and alternate management of canals. Specific benefits of this project include:

- Enhanced flows in the Platte River in the over appropriated reach to assist with returning the Platte River to 1997 levels of depletion, as required by the TPNRD's IMP.
- Increased habitat for threatened and endangered species due to greater stream flows during the summer months as a result of the ground water recharge and associated base flow returns.
- Improved flows of the Platte River as it passes the wellfields of Kearney, Grand Island, Fremont, Lincoln, Omaha and other smaller communities.
- Decreased number of irrigated acres that must be retired in order to meet flow requirements.
- Decreased economic impact upon the local tax base, communities, industries, and the State of Nebraska, by limiting the detrimental impact from lost irrigated acres on reduced sales and income tax.
- Protection of existing water users, local economies, environmental health and recreation users, while maintaining the economic and social aspects of life within the TPNRD.
- Reduced burden on the DNR and Program to assist (financially and other) in returning the Platte River to 1997 levels of depletion.

In summary, the permanent appropriation will be used for recharge to ultimately enhance Platte River Flows. Due to the substantial benefits this project will provide, it is in the public's interest to grant a permanent appropriation.



## **Excess Flow Analysis**

### **Approach**

The estimate of excess flow availability for potential diversion is based on the analyses conducted by HDR for the NDNR titled "Evaluation of Historic Platte River Streamflow in Excess of State Protected Flows and Target Flows" (December 2010), and the subsequent "Supplement to December 2010 Report" (March 2013).

These analyses included the Platte River reaches from the North Platte River at Lewellen, Nebraska, and the South Platte River at Julesburg, Colorado, to the Platte River near Louisville, Nebraska. In simplified terms, the daily historic flows throughout the reach compared to state protected flows and target flows for the period 1946 to 2010. For each day of the analysis, historic daily flows at each gage location were compared to state protected flows and target flows. If historic flows were exceeded by state protected flows and target flows, no excess flow is available at that gage for that day and at upstream reaches (travel time accounted for). If the daily historic flow exceeded state protected flows and target flows, excess flow was then available and quantified. To account for the process of administration of appropriations on the river, excess flows were required to be available three consecutive days before any excess flows volumes were recognized as being available for diversion. The analysis was completed on a daily basis for the entire 1946-2010 period and cumulative excess flow volumes determined at select gage locations along the river.

### **Excess Flow Results**

Figure 1 illustrates the estimate of annual volumes of excess flows available and the total number of days excess flow is available for diversion in the South Platte River below Julesburg for the 1946-2010 period. Figure 2 illustrates the estimated average monthly volume of excess flow available and the average number of days excess flow was available for each month for the 1946-2010 period. Both figures illustrate that excess flows can be expected on the South Platte River and be available for diversion.

### **Recent Diversion of Excess Flows**

In addition to the results of the excess flow analyses that illustrate excess flows available for diversion can be expected on the South Platte River, temporary appropriations were obtained and exercised for diversion of excess flows on the North Platte and South Platte Rivers in 2011, 2013, and 2014. Table 1 summarizes the number of days excess flows were available and the total diversions of Western Canal.

Figure 1. Annual Volume of Excess Flow – South Platte River below Julesburg

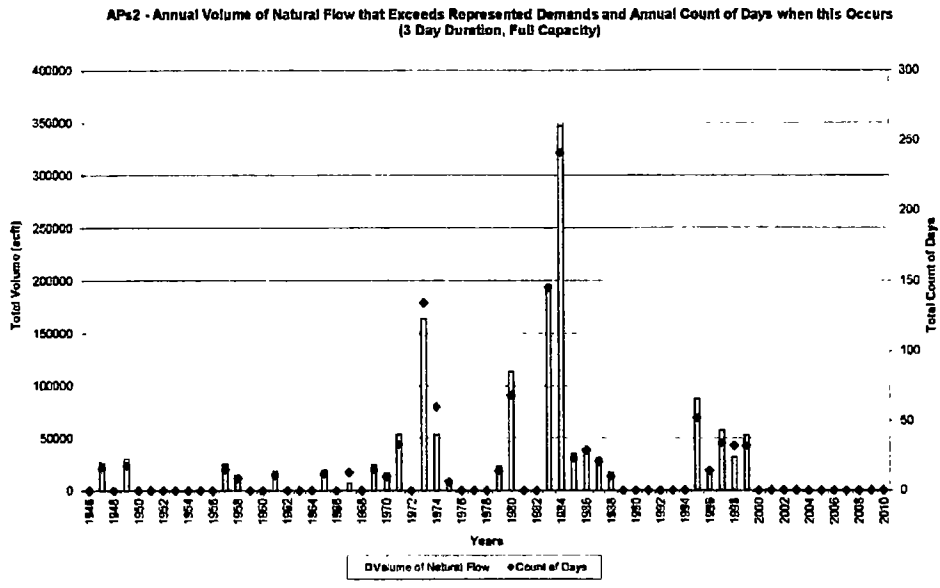
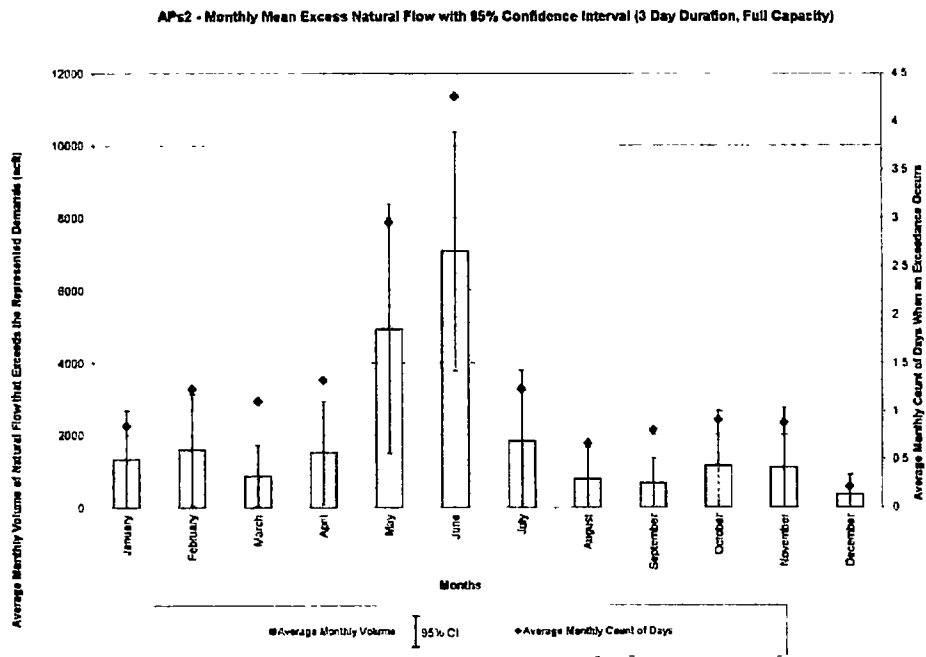


Figure 2. Average Monthly Volume of Excess Flow (1946-2010) – South Platte River below Julesburg





**Table 1. Summary of excess flow diversions (2011-2013) under temporary appropriations**

Canal	Spring 2011 <sup>1</sup>		Fall 2011 <sup>1</sup>		Fall 2013 <sup>1</sup>		Spring 2014 <sup>1</sup>	
	# of Days	Diversion Volume (AF)	# of Days	Diversion Volume (AF)	# of Days	Diversion Volume (AF)	# of Days	Diversion Volume (AF)
Western	41	15,236	49	18,370	27	10,137	28	1,066

<sup>1</sup> Estimates of canal diversions provided by Twin Platte Natural Resources District (see attached summary) Diversion volumes calculated based on canal seepage volume and % seepage values for each canal. Volumes include diversion and seepage from main canal and recharge pits.

The excess flow analysis and availability (and subsequent diversion under temporary appropriations granted by NDNR) of excess flows in three of the last four years illustrate that excess flows available for diversion can be expected to occur on the South Platte River below Julesburg.

TPNRD - 2011-2014 Temporary Appropriations

\* Approved March 12, 2015

Irrigation Canal	Total Water Right	Seepage Rate		Days	Estimated Canal Seepage	Pits Seepage	Total Seepage
	cfs	%	AF/Day		AF	AF	AF
<b>Keith Lincoln</b>	80.56	32%	52				
2011 - Spring				41	2,114	0	2,114
2011 - Fall				49	2,526	0	2,526
<b>2011 - Total</b>				<b>90</b>	<b>4,640</b>	<b>0</b>	<b>4,640</b>
<b>2012 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2013 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2014 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>					<b>4,640</b>	<b>0</b>	<b>4,640</b>
<b>Platte Valley</b>	201.00	32%	129				
2011 - Spring				41	5,274	0	5,274
2011 - Fall				49	6,303	0	6,303
<b>2011 - Total</b>				<b>90</b>	<b>11,578</b>	<b>0</b>	<b>11,578</b>
<b>2012 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2013 - Fall				27	3,473	0	3,473
<b>2013 - Total</b>				<b>27</b>	<b>3,473</b>	<b>0</b>	<b>3,473</b>
<b>2014 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>					<b>15,051</b>	<b>0</b>	<b>15,051</b>
<b>Suburban</b>	77.47	32%	50				
2011 - Spring				41	2,033	0	2,033
2011 - Fall				49	2,429	0	2,429
<b>2011 - Total</b>				<b>90</b>	<b>4,462</b>	<b>0</b>	<b>4,462</b>
<b>2012 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2013 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2014 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>					<b>4,462</b>	<b>0</b>	<b>4,462</b>
<b>Western</b>	176.26	30%	106				
2011 - Spring				41	4,336	235	4,571
2011 - Fall				49	5,182	329	5,511
<b>2011 - Total</b>				<b>90</b>	<b>9,518</b>	<b>564</b>	<b>10,083</b>
<b>2012 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2013 - Fall				27	2,855	185	3,041
<b>2013 - Total</b>				<b>27</b>	<b>2,855</b>	<b>185</b>	<b>3,041</b>
2014 - Spring				0	0	320	320
<b>2014 - Total</b>				<b>0</b>	<b>0</b>	<b>320</b>	<b>320</b>
<b>Total</b>					<b>12,373</b>	<b>1,069</b>	<b>13,443</b>
<b>Paxton Hershey</b>	102.78	32%	66				
2011 - Spring				41	2,697	0	2,697
2011 - Fall				49	3,223	0	3,223
<b>2011 - Total</b>				<b>90</b>	<b>5,920</b>	<b>0</b>	<b>5,920</b>
<b>2012 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2013 - Fall				27	1,776	0	1,776
<b>2013 - Total</b>				<b>27</b>	<b>1,776</b>	<b>0</b>	<b>1,776</b>
<b>2014 - Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>					<b>7,696</b>	<b>0</b>	<b>7,696</b>
<b>Totals</b>					<b>44,223</b>	<b>1,069</b>	<b>45,292</b>



**STATE OF NEBRASKA  
DEPARTMENT OF NATURAL RESOURCES  
APPLICATION FOR A PERMIT TO APPROPRIATE WATER**

Complete items 1 through 10 by printing in ink or typing the appropriate information and by placing an X in the appropriate box.

**For Department Use Only**

1. Name and address of owner of land under proposed project. Names must be exactly as described on the deed or document transferring ownership of property. Landowner must sign the application.

Western Irrigation District  
Attn: Dennis Schilz  
9K-3  
Lemoine, NE 69146

COPY

Filed in the office of the Department of  
Natural Resources at \_\_\_\_\_ a.m./p.m.  
on \_\_\_\_\_

E-mail address: adimmitt@tpnrd.org Telephone No. (308) 535-8080

Application No. \_\_\_\_\_

2. Name, address, and telephone number of applicant if different than landowner.

Twin Platte Natural Resources District  
Attn: Ann Dimmitt  
PO Box 1347  
North Platte NE 69103-1347

Map No. \_\_\_\_\_

Water Division \_\_\_\_\_

Receipt No. \_\_\_\_\_ Amount \_\_\_\_\_

Right ID \_\_\_\_\_

E-mail address: \_\_\_\_\_ Telephone No. ( ) \_\_\_\_\_

3a. A permit is sought to:

Use natural flow       Use impounded water\*

3b. A permit is sought for the purpose of:

Irrigation       Manufacturing       Domestic  
 Other Recharge to enhance river flows  
 Temporary\*\*

4a. Identify the source of water (name of stream or reservoir).

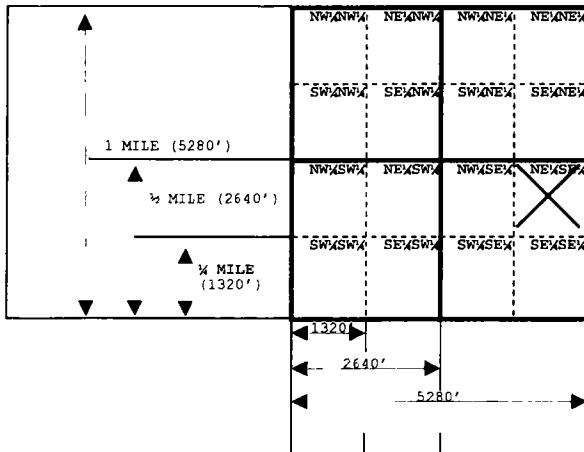
South Platte River

4b. If applicable, identify the facility name for transporting water from the source (portable pump, name of canal or pipeline).

Platte Valley Irrigation Canal

5. Identify the location of the  Headgate  Pump

Section 14, Township 12 North, Range 43 E  W  County Deuel



The box at left represents one square mile (section). Place an X within each appropriate 40-acre tract to indicate the location(s) of each headgate or pump.

If applicable, indicate the height, in feet, of any diversion or check dams on the line below.

\_\_\_\_\_

\* A separate permit to impound water must be obtained.  
\*\* A temporary permit may be granted for a maximum of one year.

6. If applicable, identify the location of lands by 40-acre subdivisions that will be irrigated.

LEGAL SUBDIVISIONS	Sec.	Twp.	Rge.	No. of Acres	LEGAL SUBDIVISIONS	Sec.	Twp.	Rge.	No. of Acres
TOTAL NUMBER OF ACRES TO BE IRRIGATED:									0.0

Enclosed is an aerial photograph that I have marked to show the approximate location of land to be irrigated as described above.

7. State the approximate quantity of water desired for

appropriation. 176.26

- Gallons per minute  
 Cubic feet per second  
 Acre-feet (impounded water)

8a. State the estimated time required for completion of all water diversion facilities.

Existing/completed

8b. State the earliest date when water will have been used for beneficial purposes.

May 11, 2017

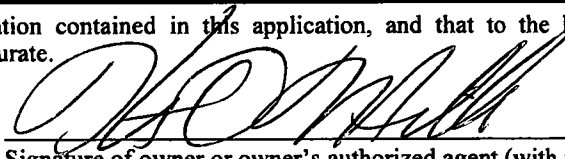
9. Will this project be constructed under a federal program, receive federal funding, or have federal planning assistance?

No  Yes If yes, explain: \_\_\_\_\_

10. I certify that 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.

4.27.17

Date



Signature of owner or owner's authorized agent (with proper documentation)

A final project map may accompany this application or must be filed within six months following departmental approval of this application, drawn in accordance with NAC Title 457 – Rules for Surface Water, Chapter 10, (<http://dnr.nebraska.gov/swr/surface-water-rules>) At the request of the applicant, the Department will assist with preparation of the project map.

This form must be completed in full. An incomplete or defective application will be returned with 90 days being allowed for resubmission. Failure to resubmit a corrected application within this period shall cause dismissal of the application and consequent loss of priority and fees.

A non-refundable filing fee, payable to the Department of Natural Resources, computed from the table below must accompany this application. Forward this application and applicable fees to:

State of Nebraska  
 Department of Natural Resources  
 301 Centennial Mall South / P.O. Box 94676  
 Lincoln, Nebraska 68509-4676  
 (402) 471-2363

Nature of Use	Cost	Nature of Use	Cost
Domestic	\$10	Manufacturing	
Agricultural		General	\$10
Irrigation from Stream		Power Generation for each theoretical 50 horsepower	\$5
0-1,000 acres	\$200	Other	\$10
Each additional 1,000 acre unit	\$100		
or portion thereof in excess of the first 1,000 acre unit			
Irrigation from Storage Reservoir			
0-1,000 acres	\$50		
or portion thereof in excess of the first 1,000 acre unit			
Each additional 1,000 acre unit	\$25		
or portion thereof in excess of the first 1,000 acre unit			