

Cozad Ditch Company Application for Temporary Transfer of Water Rights

Additional Form Information

In addition to the information provided on forms SW-200 and SW-200A, Cozad Ditch Company is providing the following information.

Box 1 – No additional information necessary.

Box 2 – Cozad Ditch Company does have an IUS water right of 3.49 CFS with their D-626 appropriation. The request made with this application is for a temporary change in location and purpose of use. The request is to return only the Crop Consumptive Use from lands signed up and shown on the SW-200A form. Because the change is temporary and only transfers the Crop Consumptive Use from canal irrigated lands we request no change or transfer be made for the IUS.

Box 3 – See on Location Map in Attachment C-1

Box 4 – See proposed Stream Reach Location Map in Attachment C-2

Box 5 – The required document is attached as Attachment B and includes;

- A narrative description of the project
- A discussion of the beneficial use of the proposed transfer
- A description of the actual method of transfer
- A discussion of the timing and amounts of water proposed to be transferred (including graphs and tables)
- And a narrative description of the hydrologic effects

Other attachments include;

- Attachment C – Maps
- Attachment D - The Lease and Management Agreement between the Cozad Ditch Company and Central Platte Natural Resources District
- Attachment E - A Water Use Lease Agreement between Central Platte Natural Resources District and Platte River Recovery Implementation Program
- Attachment F – A Water Use Lease Agreement between Central Platte Natural Resources District and Twin Platte Natural Resources District
- Attachment G – A Water Use Lease Agreement between Central Platte Natural Resources District and Tri-Basin Natural Resources District

Box 6 – The box was checked under this item to indicate appurtenant lands are requesting a transfer and SW form 200-A's are attached. In addition Attachment H is attached to provide information for item 2. History of water use. Water use records and irrigated acres records by tract have never been made or recorded by Cozad Ditch Company and crop type information by tract is provide for 2006 thru 2010 based on data collected by COHYST.

Box 7 - The dates and years of transfer are included. The Lease and Management Agreement between Cozad Ditch Company and CPNRD is attached as attachment D.

Box 8 – The amount of water request for transfer is shown and the detail consumptive use analysis is provided in Attachment B under the timing and amounts discussion.

Box 9 – Application signature

Project Description

The Cozad Canal diversion facilities are located on the north bank of the Platte River south west of Gothenburg, Nebraska, in Dawson County. These irrigation facilities are operated by the Cozad Ditch Company. The canal's earliest water rights date back to 12-28-1894. The canal head gates are located in the SE1/4SW1/4 of Section 15, T11N, R25W of the 6th P.M. in Dawson County, just South of Gothenburg. The canal runs northeast from the Platte River around 3 miles where it leaves the Platte Valley flood plain to the project lands. It then flows easterly in the Platte River Valley till it ends at Spring Creek (see map Attachment C-1). The canal currently provides water for irrigation of 16,109.4 acres of land with naturally flowing waters (Appropriation D-626 & A-17002R) from the Platte River, storage-use water from Sutherland reservoir (Appropriation A-2726 and A-17003R) and incidental underground storage associated with both types of appropriations.

Central Platte NRD has executed a long-term lease-management agreement (Attachment D) with the Irrigation District in advance of moving ahead with the conjunctive management Project for enhancing stream flows. The project includes replacement of structures, removal of numerous trees along the canal, correction of over steepened and sloughing of the canal banks, and correction of seepage concerns. The removal of trees throughout the canal is essential to improve the efficiency of the canal. The removal of trees will require the canal banks to be reshaped due to the voids left by the root systems. With the reshaping of the canal banks during the tree removal process, many of the bank stability issues will be addressed. Storm water runoff issues need to be addressed; possibly requiring canal banks to be raised to contain this additional storm water flow, or the storm water needs to be diverted away. Structures needing repair and replacement include road bridges, check structures and farm crossings. New structures include the head gate river return.

Central Platte NRD applied in June 2012 for a permanent water right A-18922 to divert excess natural flow for the purpose of groundwater recharge. The diversion of flows considered "excess" to those identified in the PRRIP will serve to enhance Platte River flows. The rehabilitated canal will allow a much more efficient use of the existing Cozad Canal water rights and allow some of the Cozad Ditch Company natural flow water right (D-626 & A-17002R) to be transferred for Platte River stream flow enhancement. Between the waters freed up by more efficient use of existing water rights due to the canal rehabilitation and the requested granting of "excess" flows, it is currently estimated that up to 8000 acre/feet of water could be added to Platte flows during times of target flow shortages each year. The Cozad Canal system was originally constructed more than 120 years ago and the rehabilitation is expected to add many additional decades of benefits.

The project will result in better infrastructure and more effective water management in the Platte Basin, allowing an optimized timing and efficiency of water use, enhancing stream flows, and conjunctive water management. The beneficiaries of the project will continue to include the irrigation canal customers, and the Platte River ecosystem, which will have additional flow available during what would otherwise be times of low flows, benefiting endangered species and other species of concern.

Beneficial use of the Proposed Transfer

Cozad Ditch Company is proposing the temporary transfer of natural flow rights D-626 & A-17002R from lands that have signed up to return diversions to the Platte River for flow augmentation. The stream reach for augmentation is the Platte River below the diversion dam thru a location near Columbus. The water to be transferred is the consumptive use portion of water delivered to the Irrigation District farms. The flow augmentation will be used for compliance with a state contract or agreement with the Platte River Recovery and Implementation Program. DNR rule 457 Neb. Admin. Code § 9.002.01 defines

beneficial use for stream flow augmentation to include water necessary for compliance with compacts, decrees or other state contracts.

In 1997, Colorado, Wyoming, Nebraska and the Department of Interior formed a partnership with the goal of developing a shared approach for managing the Platte River. Water users from the three states, including CPNRD, and local and national conservation groups joined the effort. The Platte River Recovery Implementation Program (Program) is the result of that planning effort. CPNRD is one of the downstream water users with a seat on the Program's Governance Committee and believes the irrigation water transfer from Cozad Ditch Company will help the Program succeed.

During the first increment of the Program, one goal is to reduce shortages to target flows an average of 130,000 to 150,000 acre-feet annually. Cozad and CPNRD are proposing this transfer to assist the Program in meeting that goal. This transfer will help reduce shortages to target flows by putting wet water into the river during the irrigation water delivery months of July, August, and September, subject to water availability and priority administration. Attachment E is the Water Use Lease Agreement CPNRD has with the Program to deliver and account for water returned to the Platte River for Program benefits.

Actual Method of Transfer

The Cozad canal diverts water from the Platte River in the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 15 Township 11 N, Range 25 W using a diversion dam. The diversion dam was constructed with six canal diversion gates and 3 large river gates see figure below. The river return structure was constructed below the diversion structure in the canal embankment and was constructed to measure water returned to the river. The actual method of transfer will be accomplished by diverting natural flow into the canal and returning it to the river after it is diverted. The natural flow diverted and returned will be measured in accordance with transfer rights granted.



Cozad canal diversion dam River radii gates in background and Canal gates in foreground.



River return gate and gate control panel.



Timing and Amount of Water Transferred

The Cozad Ditch Company water rights D-626 and A-17002R have 493 and 3 tracts of land totaling 12,865.5 and 35 acres sign up for transfer to stream flow augmentation. Tracts of land were transferred for 1, 2, 3, 4, 5, 8, 9, and 10 year periods. The table 1 below shows a summary of the transfers by year and includes acres transferred, natural flow crop weighted irrigation use (CIR inches), average On-farm Efficiency in %, natural flow crop consumptive use (NF-CU in Acre-feet), natural flow On-farm recharge (NF-recharge in Acre-feet), and Maximum river return rate for Consumptive Use in (CFS). In the last

column the percentage value that can be used to compute the return flow rate when diversions are less than the granted total water right appropriations of 233.13 and 0.5 CFS.

Table 1. Surface Water Right transfer data D-626 and A-17002R.

D626		Water Right acres 16,074.4					
Transfer Years	Acres	NF CIR	On-farm Efficiency	NF-CU	NF-Recharge	Maximum Return Rate CU	% of 233.13 CFS Water Right
1	3977.8	11	70	3510.4	1508.2	39.8	
2	934.1	10.9	70	785.8	315.8	9.3	
3	4473	9.3	78	3349.9	901.9	49.8	
4	1773	9.6	74	1408.3	481.2	18.7	
5	454.3	9.4	82	342.2	95.5	5.3	
8	1213.1	10.3	79	1043.6	323.2	13.7	
9	27.8	8.6	75	18.9	3.4	0.3	
10	12.4	15	60	15.5	9.3	0.1	
total	12865.5	10.5	74.61	10474.6	3638.5	137.1	0.588
	3208.9						
A17002R		Water Right acres 35					
Transfer Years	Acres	NF CIR	On-farm Efficiency	NF-CU	NF-Recharge	Maximum Return Rate CU	% of 0.5 CFS Water Right
3	35	10.4	60	29.9	17.9	0.3	60
Total Both	12900.5	10.5	74.6	10504.5	3656.4	137.4	58.8

Note the sum of the acres requesting transfer of their acres is 12,900.5 and those who have told us they planning on using water in 2016 total 2643.7 acres. The D-626 and A-17002R water right acres total 16,109.4. The remaining 565.2 acres plan to do 1, 2, 3, 4, or 10 year transfers but have not sent their paper work back to the NRD at this time.

Calculation of Water Volume for Transfer

The Cozad Ditch Company computed the volume of irrigation water to be transferred by tract of land signed up for transfer and shown on the SW form 200 – A. The tracts of land are mapped and geo

referenced in an ARC-GIS database. A copy of this database was used to compute the crop consumptive use by tract. The process for computing crop consumptive use by tract includes six major steps;

1. Associate a crop type with each tract of land. This was done by using the 2006 thru 2010 land use data developed by Riverside Technology (2014) for the COHYST study. The 2006 thru 2010 land use data was summarized by quarter-quarter (40 acre tracts) for each year and joined to the irrigated lands to be transferred.
2. The average Crop Irrigation Requirement (CIR) for the 1950 thru 2005 period developed by COHYST was associated with each tract as well. The CIR values are available by section for Corn, Soybeans, Alfalfa, Hay, and Small Grains and were joined to each tract of land for computing crop consumptive use in step 4.
3. The third step was to identify the irrigation type for each tract of land so on-farm efficiency could be associated to each tract of land.
4. The fourth step was to compute a crop weighted CIR for each tract of land. This was done using the crop type from step 1 and the CIR from step 2. The crop weight CIR is in units of inches.
5. The next step is to use the crop weight CIR (CPwtCIR) and compute that portion which is served by natural flow. The natural flow diverted by the irrigation company was compared to the total flow diverted during a year to develop a percentage value to multiply times the crop weighted CIR. Using 1974 thru 2014 PWAP diversion data for Cozad Ditch Company the natural flow is diverted 78% of the time (see table 2). The natural flow crop weight CIR (NFCPwtCIR) is equal to CPwtCIR times 78%.
6. The last step is to compute the on-farm water use for each tract. The crop consumptive use is the main on-farm use and was computed by multiplying the acres times the natural flow crop weight CIR. The total on-farm use or farm delivery was estimated by dividing the crop consumptive use by the on-farm efficiency. On-farm efficiency is dependent on the type of irrigation and according to UNL Neb-guide G-1850 on Irrigation Management gravity irrigation efficiency is 60% on every other row irrigation and pivot irrigation with advance sprinkler packages are around 90%. The irrigation type developed in step 3 was used to apply the 60% and 90% irrigation efficiency for each tract. The last on-farm use is on-farm loss and it is computed as the difference in farm delivery and crop consumptive use. Much of the on-farm loss is shown to be recharge so 90% of on-farm loss was assumed to be recharge and provided estimate of aquifer recharge that needs to continue to occur to maintain existing groundwater.

Attached are tables 3-1,3-2,3-3,3-4,3-5, 3-8, 3-9 and 3-10 for WR D-626 and tables 3-4b for WR A-17002R. These tables include the water right appropriation number, the transfer year 1, 2, 10 etc. (labeled as USAGE), the tract location, the tract acres, and computed values for crop weighted CIR (CPwtCIR), natural flow crop weighted CIR (NFCIR), Farm efficiency, natural flow farm delivery (NFfarmdel), natural flow consumptive use (NFCPuse), and natural flow farm recharge (NFfarmrch). The table 3's average and summed data are shown in table 1 above.

Timing of Flow Augmentation

The timing of the flow augmentation transfer is during the irrigation season when deliveries are made to the farm fields. Existing operation of Cozad canal would include diverting water to wet the canal in late May and early June to flush debris and control weed growth. Then in mid June to early July make deliveries to farms based on crop water demands or scheduled rotation of use. Diversion typically ends in late August or early September depending on the growing season need for crop water. The figure 1 below shows average diversions for the 1970 thru 2010, diversions in 2000 when irrigation delivery to the farm started in mid June and diversion the on farm use was high in July and August. The year 2004 was a water short year with limited natural flow.

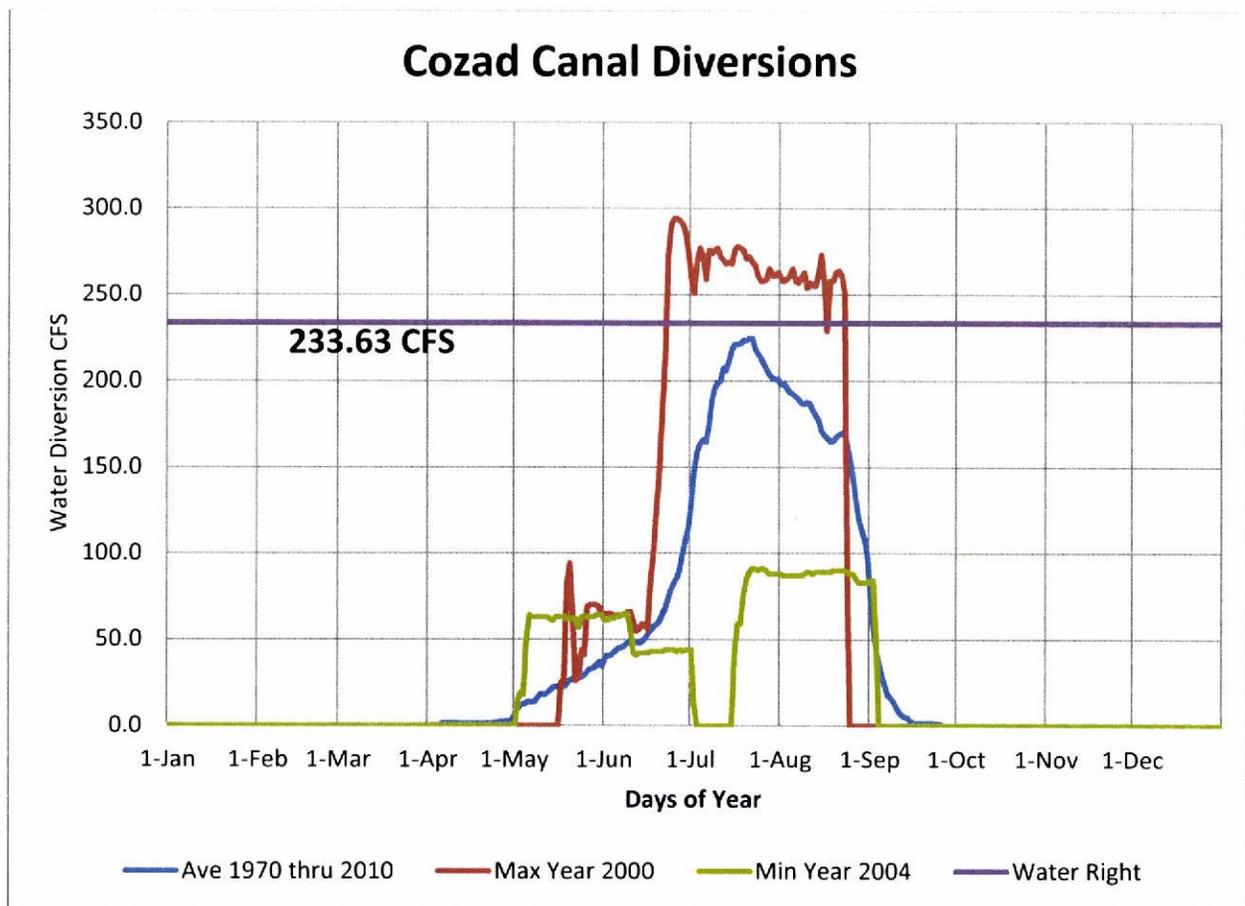
The canal return to the river will start each year based on canal deliveries to the farms (typical mid June to early July) and will end when natural flow is not available or the irrigation need for water ends.

Rate of Flow Augmentation

Cozad Ditch Company proposes to return D-626 and A17002R temporary transferred irrigation water to the Platte River when field deliveries are occurring on Cozad canal at a rate proportional to the natural flow available to all D-626 and A-17002R uses. The proportional return flow rate could be used in the DNR Platte Water Accounting Program to calculate the daily return rate.

The proportional return flow rate computed for the 12,900.5 acres being transferred with the 8 applications is 58.8%. The equation for the natural flow river return is “return” = 58.8 % * Total natural flow diversion. Total natural flow diversion is the sum of canal flow measured by the DNR operated parshall flume plus the return flow measured by the Rubicon Flow gate at the beginning of the canal.

Figure 1. Seasonal canal diversion information.



The daily return flow augmentation rate is based on the following principles:

1. First the maximum D-626 and A17002R flow augmentation daily rate is based on the irrigation portion of the natural flow appropriation.

2. Second the daily rate should be proportionate between the portion of acres transferred and the total acres permitted under the right.
3. Third the maximum daily return should be proportionate between the natural flow diversions which would be consumed in the fields making transfers and the diversion which go to other uses (canal seepage, farm deliveries for irrigators using surface water, incidental underground storage, on-farm recharge, etc).
4. Fourth the daily augmentation return flow rate should be proportionate and change based on total diversion of natural flow for all uses to work with current measurements taken on a daily bases.

By applying these principles in order, the maximum calculated daily return rate is 137.4 CFS and the daily return rate percentage is 58.8 %:

1. The maximum natural flow diversion for irrigation is 230.14 CFS (see current water right listing)
2. 12,900.5 acres are being transferred out of a total of 16109.4 acres permitted which is 80 %. Multiplying 230.14 CFS and 80 % equals 184.1 CFS. The 184.1 CFS is the maximum daily diversion for those acres requesting transfer.
3. The 184.1 CFS rate is then portioned based on average irrigation efficiency to determine the CU portion that makes up the flow augmentation and on-farm delivery losses. The average irrigation efficiency estimated by land tract (step 3 under Calculation of Water Volume) is 74.6%. Maximum natural flow return rate equals 184.1 CFS times 74.6% or 137.4 CFS.
4. The return flow rate percentage of total natural flow diversion 58.8% was compute by dividing the maximum natural flow return rate 137.4 CFS by the maximum natural flow water right 233.63 CFS. The total natural flow water right of 233.63 CFS is the sum of the 229.64 CFS D-626, the 0.5 CFS A-17002R irrigation rights and the 3.49 CFS D-626 incidental underground storage right.

Table 2. Natural flow and Storage Diversion Cozad Canal (from DNR PWAP)

Year	Annual Diversion in Acre-feet	Natural Flow Diversion Acre-feet	Storage Diversion Acre-feet	Percent Natural Flow
1974	28,512	26,699	1,813	94%
1975	30,321	24,792	5,529	82%
1976	37,172	23,236	13,936	63%
1977	28,772	25,747	3,025	89%
1978	31,099	21,544	9,555	69%
1979	31,766	31,679	87	100%
1980	37,121	32,917	4,204	89%
1981	30,032	26,243	3,789	87%
1982	32,780	30,464	2,316	93%
1983	27,621	27,465	72	99%
1984	28,931	28,862	134	100%
1985	30,848	25,603	5,396	83%

1986	30,825	30,793	0	100%
1987	30,023	29,374	602	98%
1988	30,106	29,272	866	97%
1989	32,297	18,609	13,671	58%
1990	30,197	20,222	9,984	67%
1991	31,130	17,906	13,277	58%
1992	25,043	24,873	48	99%
1993	16,451	16,499	0	100%
1994	23,706	23,329	518	98%
1995	34,161	32,677	1,480	96%
1996	28,866	28,047	1,058	97%
1997	32,240	30,204	1,494	94%
1998	36,256	33,522	2,732	92%
1999	27,500	26,040	984	95%
2000	38,322	14,966	22,626	39%
2001	34,702	22,631	11,688	65%
2002	35,172	9,209	25,969	26%
2003	23,646	6,615	16,990	28%
2004	14,892	9,392	5,798	63%
2005	19,814	12,770	7,365	64%
2006	20,707	6,440	14,027	31%
2007	17,992	11,383	6,071	63%
2008	17,837	12,010	6,073	67%
2009	19,211	19,416	0	101%
2010	14,987	14,987	0	100%
2011	19,880	19,880	0	100%
2012	18,829	3,045	15,784	16%
2013	17,978	4,272	13,706	24%
2014	19,545	18,726	819	96%
Average	27,251	21,277	5,939	78%
% Natural flow and storage		78%	22%	

Water in the Platte River from the Wyoming state-line to Grand Island is already accounted for using the Platte Water Accounting Program (PWAP) which is maintained and operated by the Bridgeport Field Office. PWAP is a computer program designed to do a daily accounting for natural flow, storage, and environmental account water at specific gage locations. Inputs to PWAP include daily average flow values from stream gages, canal diversions, and an estimated conveyance loss value based on monthly averages. A mass-balance computation is completed by PWAP for each stream reach and the residual value is distributed to the natural flow, storage, and/or environmental account water. One of the calculations that occur in the PWAP program is a determination of the daily diversion of Natural Flow under Cozad Canal appropriation D-626 and A-17002R. Cozad Ditch Company and CPNRD believes that DNR could amend the program to provide additional outputs of the total natural flow diverted under D-626 and A-17002R including 58.8% of that number for flow augmentation rate. The Ditch Company

would set the return structure to deliver that flow rate to the river and would leave it on that setting until another river delivery rate was calculated. On days when 233.63 CFS of natural flow was diverted the river delivery rate would be 137.4 CFS. If the natural flow diverted under D-626 and A-17002R was 100 CFS, the river delivery rate would be 58.8 CFS (100×0.588).

Hydrologic Effects of Proposed Transfer

The Hydrologic effects of the proposed transfer of natural flow surface water irrigation to Platte River flow augmentation is discussed under 3 sub headings; one is changes to existing operations to maintain existing recharge and returns, two is computing a net effect to the River from the flow augmentation operations, and third is the impacts to downstream water users.

Operations to Maintain Existing Recharge and Return

A description of the existing irrigation operations of the Cozad Canal is as follows. Water is diverted from the Platte River at the canal's headgate (See Map Attachment C-1). The water flows through the canal to its end-use. The historical components of the appropriations use include water which: evaporates from the canal and lateral surfaces, seeps into the aquifer from the canal and lateral wetted perimeters, is applied to fields for irrigation where it seeps into the aquifer, is consumed as field evapotranspiration, and is runoff which returned to a natural stream. Water which is used for irrigation is diverted from the canal system by pumps or pipes placed in the canal embankments. To analyze potential hydrologic impacts of the proposed surface water transfers, one must consider each component of the Cozad Canal water budget. From the operation description above, water which is diverted by the canal goes to one of the following end uses:

- Evaporation from the canal surface
- Seepage into the aquifer thru the canal wet area
- Evapotranspiration due to crop use in the field
- Seepage into the aquifer due to inefficiencies in irrigation application
- Returns from canal operations and field runoff

Canal Evaporation and Seepage

Evaporation from the canal surface and canal seepage thru the wet area will continue to occur at the same rate after the proposed transfer because the district does not expect any changes to its canal checking operations when the proposed transfer occurs. The wetted surface area and wetted canal prism will remain constant so evaporation water use and seepage recharge and return flow should continue as it has historically.

Field Evapotranspiration

Evapotranspiration due to crop use in the field is the portion which is proposed to be transferred to in stream Use. The proposed transfer will move this consumptive use to in stream use, so there will be no adverse effect on other surface water appropriators as this water flows through the stream reach. Most of the lands transferring their surface water will continue to irrigate with groundwater but some will convert to dryland. This crop water use is estimated as described above and shown in table 1.

Field Seepage or Deep percolation

Surface water seepage into the aquifer due to inefficiencies in irrigation application will no longer occur at the field after the proposed transfer. Loss of seepage into the aquifer could impact other surface water users through the loss of ground water return flows or could affect ground water uses. This on-farm seepage estimated as described above and shown in table 1 as natural flow (NF) recharge will be accomplished by extending operation of the canal into the fall by several weeks and early in the Spring

several weeks. Cozad canal and lateral seepage is estimated at 62 CFS or 124 Acre-feet / day so the canal would have to operate 29.5 days to recharge 3656.4 Acre-feet.

Returns from canal operations and field runoff.

Canals systems are operated to deliver the irrigation water needed to it's customers. That will remain the same and operational returns from the canal at the end spillway should not change based on current and continued operations. The returns from the canal in the past have not been measured but with a new measuring device will in the future. On-farm field runoff is estimated to be around 10% of the irrigation in-efficiency it is not a large number and varies by field shape and irrigation type (gravity or sprinkler). Much of this water moves into road ditches or reuse pits and evaporates. On-farm runoff normal doesn't provide much supply to other surface water users and with ground water use continuing on the farms should cause no adverse effects.

Computing Net effect of Augmented Flow

The natural flow surface water irrigation transfer of the crop water use from 12,900.5 acres to in stream use will be done as described above. For 2016 Cozad canal will plan to return 10,500.8 Acre feet of Natural flow to the Platte River for in stream use from the Diversion location downstream to a location near Columbus see Attachment C-2 map. There are 11,589.2 acres of the 12,900.5 acres that can be irrigated by wells plus an additional 445.7 acres that did not turn in paper work but will irrigate with wells. For these acres the estimated crop water use from groundwater is 12,061.8 Acre-feet and the net groundwater pumped is 12,476.3 Acre-feet. The depletion to the river from groundwater pumping is shown in table 4. The expected surface water return and net accretion to the river is also shown in 2 columns the monthly volume and the flow rate in CFS. The positive accretion flow rate is what would be expected in the Platte River below the Cozad Ditch Company and should be protected thru out the reach.

Table 4. Cozad Canal Net effect of SW transfer return and GW pumping depletion
Monthly calculation

Year	Month		SW Transfer Rtn AF	GW Pumping Depl - AF	GW Pumping Depl - CFS	Accretion to River - AF	Accretion to River - CFS
2105	1	Jan-15	0.0	0.0	0.0	0.0	0.0
2105	2	Feb-15	0.0	0.0	0.0	0.0	0.0
2105	3	Mar-15	0.0	0.0	0.0	0.0	0.0
2105	4	Apr-15	0.0	0.0	0.0	0.0	0.0
2105	5	May-15	0.0	0.0	0.0	0.0	0.0
2105	6	Jun-15	657.5	0.0	0.0	657.5	11.1
2105	7	Jul-15	3,945.2	4.6	0.1	3,940.6	64.1
2105	8	Aug-15	4,227.0	31.1	0.5	4,195.9	68.2
2105	9	Sep-15	563.6	54.8	0.9	508.8	8.6

2105	10	Oct-15	0.0	51.2	0.8	-51.2	-0.8
2105	11	Nov-15	0.0	47.4	0.8	-47.4	-0.8
2105	12	Dec-15	0.0	45.2	0.7	-45.2	-0.7
2016	13	Jan-16	0.0	43.4	0.7	-43.4	-0.7
2016	14	Feb-16	0.0	42.0	0.8	-42.0	-0.8
2016	15	Mar-16	0.0	40.9	0.7	-40.9	-0.7
2016	16	Apr-16	0.0	39.8	0.7	-39.8	-0.7
2016	17	May-16	0.0	38.9	0.6	-38.9	-0.6
2016	18	Jun-16	735.1	38.1	0.6	697.0	11.7
2016	19	Jul-16	4,410.4	41.8	0.7	4,368.6	71.0
2016	20	Aug-16	4,725.4	66.9	1.1	4,658.5	75.8
2016	21	Sep-16	630.1	89.4	1.5	540.7	9.1
2016	22	Oct-16	0.0	85.1	1.4	-85.1	-1.4
2016	23	Nov-16	0.0	80.9	1.4	-80.9	-1.4
2016	24	Dec-16	0.0	78.1	1.3	-78.1	-1.3

Impacts to Downstream Users

The main downstream water users include Orchard Alfalfa canal, Dawson County Canal, Kearney Canal, and CPNRD –NG&P instream flows. The Cozad temporary water right transfer should have a positive effect on summer time in-stream flow rights and will not effect the volume of natural flow available to the 3 senior canals because the transfer is natural flow crop water use. A small effect for the downstream canals may be the timing of groundwater return flows from on-farm seepage or recharge. This recharge will occur at the end of the irrigation season instead of during the season resulting in a small change in the timing of groundwater baseflow return to the Platte. The small depletion effects during the non-irrigation season may be offset by diversions of excess flows to retime base flow to the Platte River.

Table 3-1

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFarmdel	NFCPuse	NFarmrch
D626	1	NW SE S04 T10N-R23W	40.9	10	7.8	0.9	29.6	26.7	2.7
	1	NE NW S04 T10N-R23W	39.8	10	7.8	0.6	43.3	26	15.6
	1	SE NE S04 T10N-R23W	38.4	10	7.8	0.9	27.9	25.1	2.5
	1	SE NE S05 T10N-R23W	39.6	10	7.8	0.6	43.1	25.8	15.5
	1	SE NE S09 T10N-R23W	40	11.3	8.8	0.9	32.8	29.5	2.9
	1	NE SE S09 T10N-R23W	35.7	15.7	12.3	0.6	60.9	36.5	21.9
	1	SE SE S04 T10N-R23W	38.7	10	7.8	0.9	28.1	25.3	2.5
	1	NW NE S11 T10N-R23W	39	10	7.8	0.6	42.4	25.4	15.3
	1	NE NW S06 T10N-R22W	40.5	13.5	10.5	0.9	39.6	35.6	3.6
	1	SW SE S13 T11N-R25W	34.1	12	9.4	0.6	44.5	26.7	16
	1	SE SE S13 T11N-R25W	12.2	12	9.4	0.6	15.9	9.6	5.7
	1	NE SW S13 T11N-R24W	39.4	17.5	13.7	0.6	74.8	44.9	26.9
	1	NE SE S13 T11N-R24W	38.9	19.3	15.1	0.6	81.2	48.7	29.2
	1	NW SW S13 T11N-R24W	36.2	17.5	13.7	0.6	68.9	41.3	24.8
	1	NW SE S13 T11N-R24W	39.8	19.3	15.1	0.6	83.2	49.9	29.9
	1	SE SW S13 T11N-R24W	36.4	19.3	15.1	0.6	76.1	45.7	27.4
	1	SW SW S15 T11N-R24W	38.1	10.1	7.9	0.6	41.7	25	15
	1	NE SW S16	37.7	10	7.8	0.6	41	24.6	14.8

Table 3-1 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
		T11N-R24W							
	1	SW NW S20	10	15.1	11.8	0.6	16.3	9.8	5.9
		T11N-R24W							
	1	SW NW S20	6	15.1	11.8	0.6	9.8	5.9	3.5
		T11N-R24W							
	1	SE NW S21	40.2	9.7	7.6	0.9	28.1	25.3	2.5
		T11N-R24W							
	1	SE NE S21	39.6	11.8	9.2	0.9	33.8	30.4	3
		T11N-R24W							
	1	SE NW S20	27	15.1	11.8	0.6	44.1	26.5	15.9
		T11N-R24W							
	1	SW SW S21	39	13.2	10.3	0.9	37.3	33.6	3.4
		T11N-R24W							
	1	SE SW S21	38.6	9.3	7.3	0.9	26	23.4	2.3
		T11N-R24W							
	1	NW SW S21	35.8	13.2	10.3	0.9	34.3	30.8	3.1
		T11N-R24W							
	1	NE SE S23	39.4	17.5	13.7	0.6	74.8	44.9	26.9
		T11N-R24W							
	1	SE NE S23	39.3	17.5	13.7	0.6	74.7	44.8	26.9
		T11N-R24W							
	1	SE SE S23	34	15.4	12	0.6	56.8	34.1	20.4
		T11N-R24W							
	1	NE SW S24	13.7	17.5	13.7	0.9	17.3	15.6	1.6
		T11N-R24W							
	1	NE NW S24	38.9	19.3	15.1	0.6	81.3	48.8	29.3
		T11N-R24W							
	1	SE NW S24	39.7	19.3	15.1	0.6	82.9	49.8	29.9
		T11N-R24W							
	1	NE SW S21	40.3	9.3	7.3	0.9	27.1	24.4	2.4
		T11N-R24W							
	1	NW SE S23	39.9	17.5	13.7	0.6	75.9	45.5	27.3
		T11N-R24W							
	1	SW NE S23	39.9	14	10.9	0.6	60.7	36.4	21.8
		T11N-R24W							
	1	NW SW S24	19.1	12.3	9.6	0.9	17	15.3	1.5
		T11N-R24W							
	1	SE NW S25	19.2	14	10.9	0.6	29.2	17.5	10.5
		T11N-R24W							

Table 3-1 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
1		SE NW S25 T11N-R24W	18.9	14	10.9	0.6	28.7	17.2	10.3
1		SW SE S25 T11N-R24W	39	10.5	8.2	0.6	44.3	26.6	16
1		NW NW S28 T11N-R24W	36.5	15.4	12	0.6	60.9	36.5	21.9
1		NE NW S28 T11N-R24W	39.3	15.4	12	0.6	65.5	39.3	23.6
1		SW NE S21 T11N-R24W	40.1	11.8	9.2	0.9	34.2	30.8	3.1
1		NE NE S21 T11N-R24W	34.7	10	7.8	0.9	25.1	22.6	2.3
1		SW NW S25 T11N-R24W	15.7	19.3	15.1	0.6	32.8	19.7	11.8
1		SW NW S25 T11N-R24W	21.2	19.3	15.1	0.6	44.5	26.7	16
1		SW SW S18 T11N-R23W	36	10.5	8.2	0.9	27.3	24.6	2.5
1		NW SW S18 T11N-R23W	32.7	10.1	7.9	0.9	24	21.6	2.2
1		NW NE S28 T11N-R24W	37.5	17.5	13.7	0.6	71.1	42.7	25.6
1		NE NE S28 T11N-R24W	38.6	17.5	13.7	0.6	73.2	43.9	26.4
1		SW NW S20 T11N-R23W	10.2	19.2	15	0.6	21.1	12.7	7.6
1		NW NW S20 T11N-R23W	28.2	19.2	15	0.6	58.6	35.2	21.1
1		NW NW S20 T11N-R23W	7.8	19.2	15	0.6	16.3	9.8	5.9
1		NE NW S20 T11N-R23W	36.1	17.5	13.6	0.6	68.3	41	24.6
1		NE NW S20 T11N-R23W	0.3	17.5	13.6	0.6	0.5	0.3	0.2
1		SE SW S25 T11N-R23W	12.5	19.1	14.9	0.6	25.9	15.6	9.3
1		SE SW S25 T11N-R23W	7.1	19.1	14.9	0.6	14.7	8.8	5.3
1		SW SE S25	8	17.4	13.6	0.6	15.1	9.1	5.4

Table 3-1 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
1		T11N-R23W NE SW S20	10.2	17.5	13.6	0.6	19.2	11.5	6.9
1		T11N-R23W NW SE S20	19.7	17.5	13.6	0.6	37.3	22.4	13.4
1		T11N-R23W SE NW S20	11.6	19.2	15	0.6	24	14.4	8.7
1		T11N-R23W SE NW S20	18.2	19.2	15	0.6	37.9	22.8	13.7
1		T11N-R23W SW SW S25	16.9	19.1	14.9	0.6	35	21	12.6
1		T11N-R23W NW NE S27	9	19.2	15	0.6	18.8	11.3	6.8
1		T11N-R23W NW NW S27	36.4	19.2	15	0.6	75.7	45.4	27.2
1		T11N-R23W SW NW S27	39.7	19.2	15	0.6	82.5	49.5	29.7
1		T11N-R23W SE NE S36	32.2	15.6	12.2	0.9	36.3	32.7	3.3
1		T11N-R23W NE NE S36	30.2	15.6	12.2	0.9	34.1	30.7	3.1
1		T11N-R23W NW NE S36	31.1	15.6	12.2	0.9	35.1	31.6	3.2
1		T11N-R23W SW SW S01	34.5	15.6	12.2	0.9	38.9	35	3.5
1		T10N-R23W NE SW S01	34.2	10	7.8	0.9	24.8	22.3	2.2
1		T10N-R23W SE SW S01	35.2	10	7.8	0.9	25.5	23	2.3
1		T10N-R23W SW NW S01	34.4	10	7.8	0.6	37.4	22.4	13.5
1		T10N-R23W NE NE S04	38.9	10	7.8	0.6	42.4	25.4	15.2
1		T10N-R23W NW NE S04	39.7	10	7.8	0.6	43.1	25.9	15.5
1		T10N-R23W NW NW S04	39	10	7.8	0.6	42.4	25.4	15.3
1		T10N-R23W NE SE S05	5.1	9.7	7.6	0.6	5.4	3.2	1.9

Table 3-1 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
1		NW SE S05 T10N-R23W	34.8	10.4	8.1	0.6	39.3	23.6	14.1
1		SW NE S09 T10N-R23W	40.4	11.3	8.8	0.9	33.1	29.8	3
1		NE NE S09 T10N-R23W	39.6	11.3	8.8	0.9	32.4	29.2	2.9
1		NW NE S09 T10N-R23W	40	11.3	8.8	0.9	32.8	29.5	3
1		SW SE S04 T10N-R23W	27.6	10	7.8	0.9	20	18	1.8
1		NE NE S05 T10N-R23W	9	10.4	8.1	0.6	10.2	6.1	3.7
1		NE NW S11 T10N-R23W	12.5	19.1	14.9	0.6	25.9	15.5	9.3
1		SE NW S11 T10N-R23W	2	19.1	14.9	0.6	4.1	2.5	1.5
1		SE NW S06 T10N-R22W	38	15.6	12.2	0.9	42.9	38.6	3.9
1		NW SW S06 T10N-R22W	38	10.4	8.1	0.9	28.5	25.7	2.6
1		SE SW S06 T10N-R22W	39.5	10.4	8.1	0.9	29.7	26.7	2.7
1		NE SW S06 T10N-R22W	40.3	10.4	8.1	0.9	30.2	27.2	2.7
1		NW NW S06 T10N-R22W	39.3	13.5	10.5	0.9	38.4	34.5	3.5
1		SW SW S13 T11N-R24W	37.7	19.3	15.1	0.6	78.8	47.3	28.4
1		SE SW S15 T11N-R24W	34.9	10.1	7.9	0.6	38.3	23	13.8
1		SE SW S16 T11N-R24W	6.6	17.5	13.7	0.6	12.5	7.5	4.5
1		NW NE S21 T11N-R24W	39.1	10	7.8	0.9	28.4	25.5	2.6
1		NE NW S21 T11N-R24W	38.9	9.7	7.6	0.9	27.2	24.5	2.4
1		SW SE S23 T11N-R24W	39.3	14.5	11.3	0.6	61.8	37.1	22.2
1		NW NW S25	37.6	14	10.9	0.6	57.1	34.3	20.6

Table 3-1 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
		T11N-R24W							
	1	SE SE S25	35.9	10.5	8.2	0.6	40.9	24.5	14.7
		T11N-R24W							
	1	NE NW S26	36.4	10.5	8.2	0.6	41.4	24.8	14.9
		T11N-R24W							
	1	SE NW S26	39.1	10.5	8.2	0.6	44.5	26.7	16
		T11N-R24W							
	1	NE NW S27	36.9	17.5	13.7	0.6	70.2	42.1	25.3
		T11N-R24W							
	1	NE SW S18	38.7	9.8	7.6	0.9	27.3	24.6	2.5
		T11N-R23W							
	1	SE SW S18	38	10.5	8.2	0.9	28.8	26	2.6
		T11N-R23W							
	1	NE SW S25	3	17.4	13.6	0.6	5.7	3.4	2
		T11N-R23W							
	1	SE SW S25	13.5	19.1	14.9	0.6	27.8	16.7	10
		T11N-R23W							
	1	NW SW S25	3	17.4	13.6	0.6	5.7	3.4	2.1
		T11N-R23W							
	1	SW SW S25	13.6	19.1	14.9	0.6	28.1	16.9	10.1
		T11N-R23W							
	1	NE NE S27	24.8	15.3	12	0.6	41.2	24.7	14.8
		T11N-R23W							
	1	SW NE S36	33.3	15.6	12.2	0.9	37.5	33.8	3.4
		T11N-R23W							
	1	NW SW S01	35.1	10	7.8	0.9	25.5	22.9	2.3
		T10N-R23W							
	1	SE NW S01	33	12.1	9.5	0.6	43.4	26.1	15.6
		T10N-R23W							
	1	SW NE S02	23.1	13.5	10.5	0.6	33.8	20.3	12.2
		T10N-R23W							
	1	SW NE S02	16.5	13.5	10.5	0.6	24.2	14.5	8.7
		T10N-R23W							
	1	NE SE S04	40.2	10	7.8	0.9	29.1	26.2	2.6
		T10N-R23W							
	1	SW NE S04	40.6	10	7.8	0.9	29.5	26.5	2.7
		T10N-R23W							
	1	NW SE S09	12.6	11.3	8.8	0.9	10.3	9.3	0.9
		T10N-R23W							

Table 3-1 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
1		SW NE S11 T10N-R23W	31.7	10	7.8	0.6	34.5	20.7	12.4
1		SW SW S06 T10N-R22W	37.5	10.4	8.1	0.9	28.2	25.4	2.5
1		SW NW S06 T10N-R22W	34.9	10	7.8	0.9	25.3	22.8	2.3
1		SW SE S20 T11N-R23W	19.9	17.1	13.3	0.6	36.9	22.1	13.3
1		SE NE S02 T10N-R23W	13.2	19.1	14.9	0.6	27.4	16.4	9.8
1		SE NE S02 T10N-R23W	16.7	19.1	14.9	0.6	34.5	20.7	12.4
1		NW SE S35 T11N-R24W	18	15.7	12.3	0.6	30.7	18.4	11.1
1		SE SW S28 T11N-R23W	6	10.5	8.2	0.9	4.5	4.1	0.4
1		NW SE S01 T10N-R23W	3.8	10.4	8.1	0.9	2.9	2.6	0.3
1		SW SE S01 T10N-R23W	5.6	10.4	8.1	0.9	4.2	3.8	0.4
1		SE SE S09 T10N-R23W	0.8	15.7	12.3	0.6	1.4	0.9	0.5
1		SW NE S27 T11N-R23W	21.3	14	10.9	0.6	32.3	19.4	11.6
1		NW NE S27 T11N-R23W	21.3	19.2	15	0.6	44.2	26.5	15.9
1		SW SE S05 T10N-R23W	7.7	10.4	8.1	0.6	8.7	5.2	3.1
1		NW SE S16 T11N-R24W	25.3	12.7	9.9	0.6	34.9	20.9	12.6
1		NE NW S27 T11N-R23W	28	17.5	13.6	0.6	53	31.8	19.1
1		SE SE S05 T10N-R23W	19.2	10.4	8.1	0.6	21.6	13	7.8
1		SE NW S20 T11N-R24W	12.9	15.1	11.8	0.6	21	12.6	7.6
1		NE NW S20 T11N-R24W	13.2	15.8	12.4	0.6	22.7	13.6	8.2
1		NE NW S20	22.3	15.8	12.4	0.6	38.2	22.9	13.8

Table 3-1 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
	1	T11N-R24W NW NW S20 T11N-R24W	3.5	13.7	10.7	0.6	5.2	3.1	1.9
	1	T10N-R23W NW NE S05 T10N-R23W	31.5	17.4	13.6	0.6	59.5	35.7	21.4
	1	T10N-R23W SW NE S05 T10N-R23W	40.5	19.2	15	0.6	84.2	50.5	30.3
	1	T11N-R23W NW NE S27 T11N-R23W	5.4	19.2	15	0.6	11.1	6.7	4
	1	T11N-R23W NE NE S27 T11N-R23W	14.5	15.3	12	0.6	24.1	14.4	8.7
	1	T11N-R23W SW NE S27 T11N-R23W	3.2	14	10.9	0.6	4.9	2.9	1.8
	1	T11N-R23W SE NE S27 T11N-R23W	10.8	9.7	7.6	0.6	11.4	6.8	4.1
	1	T11N-R23W SW NE S27 T11N-R23W	6.1	14	10.9	0.6	9.2	5.5	3.3
	1	T11N-R23W SW SE S21 T11N-R23W	30.3	10.1	7.9	0.9	22.2	20	2
	1	T11N-R23W NW SE S21 T11N-R23W	35.6	10.1	7.9	0.9	26	23.4	2.3
	1	T11N-R24W NW NW S20 T11N-R24W	3.1	13.7	10.7	0.6	4.6	2.8	1.7
Sum Rnd_Acres	3977.8	Average CPwtCIR	14.1	Average	11	Average FarmEff	0.7		
Sum NFfarmdel	5186.2	Sum NFCPuse	3510.4	Average NFCPwtCIR					
				Sum NFfarmrch	1508.2				

Table 3-2

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
D626	2	NE NE S06 T10N-R22W	39.2	10.4	8.1	0.9	29.4	26.5	2.7
	2	NW NW S21 T11N-R24W	26.4	9.7	7.6	0.9	18.4	16.6	1.7
	2	NE NE S24 T11N-R24W	36.3	10.1	7.9	0.6	39.8	23.9	14.3
	2	NW NE S24 T11N-R24W	38.9	10.1	7.9	0.6	42.7	25.6	15.4
	2	SE SE S20 T11N-R23W	25.1	14	10.9	0.6	38	22.8	13.7
	2	NW SE S20 T11N-R23W	19	17.5	13.6	0.6	35.9	21.5	12.9
	2	NE SW S26 T11N-R23W	39.9	13.9	10.8	0.9	40	36	3.6
	2	SW SW S26 T11N-R23W	38.7	10.4	8.1	0.9	29.1	26.2	2.6
	2	SE SW S26 T11N-R23W	39.2	13.9	10.8	0.9	39.3	35.4	3.5
	2	NE NE S29 T11N-R23W	22.8	10.5	8.2	0.6	25.9	15.5	9.3
	2	SW NE S29 T11N-R23W	40.2	10.1	7.9	0.6	44.1	26.5	15.9
	2	NW NE S29 T11N-R23W	36.5	10.1	7.9	0.6	40	24	14.4
	2	SE NE S29 T11N-R23W	23.4	10.5	8.2	0.6	26.6	16	9.6
	2	SE SE S29 T11N-R23W	37.5	17.5	13.6	0.6	70.9	42.6	25.5
	2	NE NE S34 T11N-R23W	37.4	10.5	8.2	0.9	28.4	25.6	2.6
	2	NE SE S35 T11N-R23W	0.4	17.4	13.6	0.6	0.8	0.5	0.3
	2	NE SE S35 T11N-R23W	9.6	17.4	13.6	0.6	18	10.8	6.5
	2	SE SE S35	23.5	19.2	15	0.6	49	29.4	17.6

Table 3-2 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
	2	T11N-R23W SE SE S35	12.6	19.2	15	0.6	26.2	15.7	9.4
	2	T11N-R23W SW SE S35	27.7	17.4	13.6	0.6	52.3	31.4	18.8
	2	T11N-R23W NW SE S35	13.6	17.4	13.6	0.6	25.8	15.5	9.3
	2	T11N-R23W SE NE S34	12.6	19.2	15	0.9	17.4	15.7	1.6
	2	T11N-R23W NW NE S34	16.5	10.5	8.2	0.9	12.5	11.2	1.1
	2	T11N-R23W SW NE S34	4.2	19.2	15	0.9	5.9	5.3	0.5
	2	T11N-R23W NW NE S06	39.5	10.4	8.1	0.9	29.7	26.7	2.7
	2	T10N-R22W NE SW S14	30.1	10.1	7.9	0.9	22	19.8	2
	2	T11N-R24W NW SW S14	23.3	10.1	7.9	0.9	17.1	15.4	1.5
	2	T11N-R24W SW NW S21	39	9.7	7.6	0.9	27.3	24.5	2.5
	2	T11N-R24W NE SE S20	9.2	17.1	13.3	0.6	17.1	10.3	6.2
	2	T11N-R23W NE SE S20	13.6	17.1	13.3	0.6	25.2	15.1	9.1
	2	T11N-R23W NW SW S26	39.3	10.4	8.1	0.9	29.5	26.5	2.7
	2	T11N-R23W NW SE S20	0.3	17.5	13.6	0.6	0.6	0.3	0.2
	2	T11N-R23W SW SE S20	9	17.1	13.3	0.6	16.6	10	6
	2	T11N-R23W SW SE S20	9.7	17.1	13.3	0.6	17.9	10.7	6.4
	2	T11N-R23W SE SE S20	13.3	14	10.9	0.6	20.2	12.1	7.3
	2	T11N-R23W SE NE S34	23	19.2	15	0.6	47.8	28.7	17.2
	2	T11N-R23W NW NE S34	9.1	10.5	8.2	0.6	10.4	6.2	3.7
		T11N-R23W							

Table 3-2 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
	2	SW NE S34 T11N-R23W	25.3	19.2	15	0.6	52.7	31.6	19
	2	SW NE S24 T11N-R24W	14.5	19.3	15.1	0.6	30.3	18.2	10.9
	2	SE NE S24 T11N-R24W	14.3	10.1	7.9	0.6	15.7	9.4	5.6
	2	SW SE S29 T11N-R23W	0.4	10.1	7.9	0.6	0.4	0.2	0.1
Sum Rnd_Acres	934.1	Average CPwtCIR	14	Average NFCPwtCIR	10.9	Average FarmEff	0.7		
Sum NFfarmdel	1136.7	Sum NFCPuse	785.8	Sum NFfarmrch	315.8				

Table 3-3

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
D626	3	SE SW S03 T10N-R23W	7.1	15.3	11.9	0.6	11.7	7	4.2
	3	NE SW S20 T11N-R24W	5.7	9.7	7.6	0.6	6	3.6	2.2
	3	NE SE S15 T11N-R24W	2.5	9.7	7.6	0.9	1.8	1.6	0.2
	3	SE SW S18 T11N-R24W	2.7	12.8	10	0.6	3.8	2.3	1.4
	3	NW SW S18 T11N-R24W	12.7	10.4	8.1	0.6	14.3	8.6	5.2
	3	SW SE S18 T11N-R24W	7.5	10	7.8	0.9	5.5	4.9	0.5
	3	SW SW S18 T11N-R24W	2.9	12.8	10	0.6	4	2.4	1.5
	3	NE SW S24 T11N-R24W	20.3	17.5	13.7	0.9	25.7	23.1	2.3
	3	NW SW S24 T11N-R24W	19.6	12.3	9.6	0.9	17.3	15.6	1.6
	3	NE SE S18 T11N-R24W	39.4	9.7	7.6	0.9	27.5	24.8	2.5
	3	NW SE S28 T11N-R24W	20.6	10	7.8	0.9	14.9	13.4	1.3
	3	NE SW S27 T11N-R24W	39.5	10.1	7.9	0.9	28.9	26	2.6
	3	NE SE S28 T11N-R24W	20.3	10	7.8	0.9	14.7	13.3	1.3
	3	SW SE S28 T11N-R24W	38.8	10	7.8	0.9	28.1	25.3	2.5
	3	SE SE S24 T11N-R24W	34.4	19.3	15.1	0.6	72	43.2	25.9
	3	NW SE S24 T11N-R24W	39.7	10.1	7.9	0.6	43.5	26.1	15.7
	3	SW NE S34 T11N-R24W	40	12.4	9.7	0.9	35.8	32.2	3.2
	3	NW NE S34	34.4	12.4	9.7	0.9	30.8	27.7	2.8

Table 3-3 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
	3	T11N-R24W NW NE S34	5.5	12.4	9.7	0.9	4.9	4.4	0.4
	3	T11N-R24W SE NE S34	39.8	12.4	9.7	0.9	35.6	32.1	3.2
	3	T11N-R24W NE NE S34	33.1	12.1	9.4	0.9	28.9	26	2.6
	3	T11N-R24W SE SW S16	28	15.7	12.3	0.6	47.7	28.6	17.2
	3	T11N-R23W SE NE S19	2.8	19.3	15.1	0.6	5.9	3.6	2.1
	3	T11N-R23W SE NE S19	35	19.3	15.1	0.6	73.1	43.9	26.3
	3	T11N-R23W NE SE S19	32.1	10.5	8.2	0.6	36.6	21.9	13.2
	3	T11N-R23W NE NE S19	11	19.3	15.1	0.6	23.1	13.8	8.3
	3	T11N-R23W NE NE S19	24.2	19.3	15.1	0.6	50.5	30.3	18.2
	3	T11N-R24W NE SE S25	35.2	14	10.9	0.6	53.5	32.1	19.2
	3	T11N-R24W SE SW S27	38.8	10.1	7.9	0.9	28.3	25.5	2.6
	3	T11N-R24W SW NE S35	39.8	10	7.8	0.9	28.9	26	2.6
	3	T11N-R24W NW NE S35	38.8	9.7	7.6	0.9	27.2	24.4	2.4
	3	T11N-R24W SE NE S35	39.2	10	7.8	0.9	28.4	25.6	2.6
	3	T11N-R24W NE NE S35	38.1	13.6	10.6	0.9	37.4	33.6	3.4
	3	T11N-R23W NW NE S21	18.6	10.5	8.2	0.6	21.1	12.7	7.6
	3	T11N-R23W NE NE S21	2.7	10.5	8.2	0.6	3.1	1.8	1.1
	3	T11N-R23W SW NW S26	33	15.6	12.2	0.9	37.2	33.5	3.3
	3	T11N-R23W NE SE S26	39.2	9.7	7.6	0.9	27.4	24.6	2.5

Table 3-3 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
3		SW SW S27 T11N-R23W	25.6	9.7	7.6	0.9	18	16.2	1.6
3		SE SE S26 T11N-R23W	30.8	10	7.8	0.9	22.3	20.1	2
3		NW SW S27 T11N-R23W	25.3	9.7	7.6	0.9	17.8	16	1.6
3		SW NW S28 T11N-R23W	39.3	10.1	7.9	0.9	28.7	25.9	2.6
3		NW SW S29 T11N-R23W	39.5	10.5	8.2	0.6	44.9	26.9	16.2
3		NW NE S30 T11N-R23W	20.1	10.1	7.9	0.9	14.7	13.2	1.3
3		NW NE S30 T11N-R23W	19.6	10.1	7.9	0.9	14.4	12.9	1.3
3		NW NW S30 T11N-R23W	38.5	10.5	8.2	0.9	29.2	26.3	2.6
3		NE NW S30 T11N-R23W	36.9	12.3	9.6	0.9	32.7	29.4	2.9
3		SE NE S30 T11N-R23W	36.9	10.1	7.9	0.9	27	24.3	2.4
3		NW NW S31 T11N-R23W	36.1	9.7	7.6	0.9	25.3	22.7	2.3
3		NE NW S31 T11N-R23W	39.4	10	7.8	0.9	28.6	25.7	2.6
3		SW NW S29 T11N-R23W	36.2	10.5	8.2	0.6	41.2	24.7	14.8
3		SE SW S32 T11N-R23W	33.7	10.1	7.9	0.9	24.7	22.2	2.2
3		SW NW S30 T11N-R23W	38.9	10.5	8.2	0.9	29.5	26.5	2.7
3		NE NE S30 T11N-R23W	19.3	10.1	7.9	0.9	14.1	12.7	1.3
3		NE NE S30 T11N-R23W	19	10.1	7.9	0.9	13.8	12.5	1.2
3		SW NW S31 T11N-R23W	36.1	9.7	7.6	0.9	25.3	22.7	2.3
3		NE SE S31 T11N-R23W	33.7	10	7.8	0.6	36.7	22	13.2
3		SE SE S31	10.1	19.2	15	0.6	19.1	11.4	6.9

Table 3-3 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
		T11N-R23W							
	3	SE SE S31	8.3	19.2	15	0.6	17.3	10.4	6.2
		T11N-R23W							
	3	SE SE S31	11.3	19.2	15	0.6	23.4	14.1	8.4
		T11N-R23W							
	3	SE SE S31	2.4	19.2	15	0.6	7	4.2	2.5
		T11N-R23W							
	3	NE SW S32	40.4	10.5	8.2	0.9	30.6	27.6	2.8
		T11N-R23W							
	3	SE SW S35	38.8	10	7.8	0.9	28.1	25.3	2.5
		T11N-R23W							
	3	SW SE S35	11	17.4	13.6	0.9	13.9	12.5	1.2
		T11N-R23W							
	3	SW SW S35	37.2	10	7.8	0.9	27	24.3	2.4
		T11N-R23W							
	3	SW SE S36	19.8	19.1	14.9	0.9	27.3	24.6	2.5
		T11N-R23W							
	3	SE SW S36	24.3	13.9	10.8	0.9	24.4	21.9	2.2
		T11N-R23W							
	3	NW SW S34	39.6	10.1	7.9	0.9	29	26.1	2.6
		T11N-R23W							
	3	NW SE S34	40.1	10.1	7.9	0.9	29.3	26.4	2.6
		T11N-R23W							
	3	NE SE S34	39.6	10.1	7.9	0.9	28.9	26.1	2.6
		T11N-R23W							
	3	SW SE S34	39.3	10.1	7.9	0.9	28.7	25.8	2.6
		T11N-R23W							
	3	NW NE S35	37.3	10	7.8	0.9	27.1	24.4	2.4
		T11N-R23W							
	3	NE SW S35	39.7	10	7.8	0.9	28.8	25.9	2.6
		T11N-R23W							
	3	NW SE S35	9.5	17.4	13.6	0.9	12	10.8	1.1
		T11N-R23W							
	3	SW NW S36	30	10	7.8	0.6	32.6	19.6	11.7
		T11N-R23W							
	3	NE SE S36	22.5	19.1	14.9	0.9	31	27.9	2.8
		T11N-R23W							
	3	SE NE S33	39.8	10	7.8	0.6	43.3	26	15.6
		T11N-R23W							

Table 3-3 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
3		SW NE S35 T11N-R23W	39.8	10	7.8	0.9	28.9	26	2.6
3		NE NE S35 T11N-R23W	39	10	7.8	0.9	28.3	25.4	2.5
3		NW NW S36 T11N-R23W	33	9.7	7.6	0.6	34.6	20.8	12.5
3		NE NW S36 T11N-R23W	28.4	10	7.8	0.6	30.9	18.5	11.1
3		SE SE S01 T10N-R23W	5.7	10	7.8	0.6	6.2	3.7	2.2
3		NE NE S02 T10N-R23W	29	10	7.8	0.9	21	18.9	1.9
3		SW SW S02 T10N-R23W	38	12.1	9.5	0.9	33.3	30	3
3		NE SW S02 T10N-R23W	39.7	10.4	8.1	0.9	29.8	26.8	2.7
3		NW NE S02 T10N-R23W	34.4	10	7.8	0.9	25	22.5	2.2
3		NE NE S01 T10N-R23W	34.5	10.4	8.1	0.9	25.9	23.3	2.3
3		NW NE S01 T10N-R23W	34.8	10.4	8.1	0.9	26.2	23.5	2.4
3		SE NE S01 T10N-R23W	30.1	10.4	8.1	0.9	22.6	20.4	2
3		SW SE S02 T10N-R23W	33.3	10	7.8	0.9	24.2	21.7	2.2
3		NW SW S02 T10N-R23W	38.7	12.1	9.5	0.9	33.9	30.6	3.1
3		SE SW S02 T10N-R23W	38.7	10.4	8.1	0.9	29.1	26.2	2.6
3		SE SE S02 T10N-R23W	32.8	15.6	12.2	0.9	37	33.3	3.3
3		SW SE S03 T10N-R23W	23.4	17.4	13.6	0.6	44.2	26.5	15.9
3		SW SW S03 T10N-R23W	5.2	10	7.8	0.6	5.6	3.4	2
3		NE SW S10 T10N-R23W	36.7	10.4	8.1	0.6	41.3	24.8	14.9
3		SW NE S10	4	9.7	7.6	0.9	2.8	2.5	0.3

Table 3-3 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
	3	T10N-R23W NE NE S11	38.2	10	7.8	0.6	41.6	25	15
	3	T10N-R23W SE NE S11	22.6	10	7.8	0.6	24.6	14.8	8.9
	3	T10N-R23W NW SE S18	38.8	10	7.8	0.9	28.1	25.3	2.5
	3	T11N-R24W NE NW S23	39.3	10.1	7.9	0.9	28.7	25.9	2.6
	3	T11N-R24W NW NW S23	38.3	10.1	7.9	0.9	28	25.2	2.5
	3	T11N-R24W NE SE S24	39.1	19.3	15.1	0.6	81.8	49.1	29.4
	3	T11N-R24W SW SE S24	38.2	10.1	7.9	0.6	41.9	25.1	15.1
	3	T11N-R24W NW SE S25	38.8	10.5	8.2	0.6	44.1	26.5	15.9
	3	T11N-R24W SE SE S28	38.3	10	7.8	0.9	27.8	25	2.5
	3	T11N-R24W SW SE S16	9	10.5	8.2	0.9	6.8	6.2	0.6
	3	T11N-R23W SE SE S19	34.7	10.5	8.2	0.6	39.4	23.7	14.2
	3	T11N-R23W SW NE S21	20.4	17.5	13.6	0.6	38.7	23.2	13.9
	3	T11N-R23W SE NE S21	18.6	10.5	8.2	0.6	21.1	12.6	7.6
	3	T11N-R23W SE NW S26	36.8	15.6	12.2	0.9	41.4	37.3	3.7
	3	T11N-R23W NE SW S27	25.4	9.7	7.6	0.9	17.9	16.1	1.6
	3	T11N-R23W SE SW S27	24.4	10.1	7.9	0.9	17.8	16	1.6
	3	T11N-R23W NE NW S28	39.8	10.1	7.9	0.9	29.1	26.2	2.6
	3	T11N-R23W SE NW S28	37.4	10.1	7.9	0.9	27.4	24.6	2.5
	3	T11N-R23W NW NW S28	31.8	10.5	8.2	0.9	24.2	21.7	2.2

Table 3-3 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
3		NE SE S29 T11N-R23W	39.6	10.1	7.9	0.6	43.4	26.1	15.6
3		NW NW S29 T11N-R23W	35.5	10.5	8.2	0.6	40.4	24.2	14.5
3		SW SW S29 T11N-R23W	38.8	14	10.9	0.6	58.8	35.3	21.2
3		SW NE S30 T11N-R23W	40.4	10.1	7.9	0.9	29.5	26.6	2.7
3		SE NW S30 T11N-R23W	38	12.3	9.6	0.9	33.7	30.3	3
3		NW SE S31 T11N-R23W	40.2	11.8	9.2	0.6	51.4	30.8	18.5
3		SE NW S31 T11N-R23W	40	9.7	7.6	0.9	28	25.2	2.5
3		SW SE S31 T11N-R23W	34.8	19.2	15	0.6	72.5	43.5	26.1
3		SW NW S32 T11N-R23W	10	10.1	7.9	0.9	7.3	6.6	0.7
3		SW SW S34 T11N-R23W	38.6	10.1	7.9	0.9	28.2	25.4	2.5
3		SE SE S34 T11N-R23W	38.8	10.1	7.9	0.9	28.3	25.5	2.6
3		SE NE S35 T11N-R23W	39.3	10	7.8	0.9	28.5	25.7	2.6
3		NW SW S35 T11N-R23W	39	10	7.8	0.9	28.3	25.5	2.5
3		SE NW S35 T11N-R23W	9.8	15.3	11.9	0.9	10.8	9.7	1
3		NW SE S36 T11N-R23W	33.4	10.4	8.1	0.9	25.1	22.6	2.3
3		SE NW S36 T11N-R23W	6.3	10	7.8	0.6	6.9	4.1	2.5
3		SE NW S36 T11N-R23W	27.6	10	7.8	0.6	30	18	10.8
3		SE SE S36 T11N-R23W	31.3	19.1	14.9	0.9	43.2	38.9	3.9
3		SW NW S31 T11N-R22W	27.9	9.3	7.3	0.9	18.8	16.9	1.7
3		SW SE S01	29	10.4	8.1	0.6	32.7	19.6	11.8

Table 3-3 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
	3	T10N-R23W NW SE S02	39.6	10	7.8	0.9	28.7	25.8	2.6
	3	T10N-R23W NE SE S02	39.2	15.6	12.2	0.9	44.2	39.8	4
	3	T10N-R23W SE SW S03	15.2	15.3	11.9	0.6	25.3	15.2	9.1
	3	T10N-R23W SE SW S03	9.9	15.3	11.9	0.6	16.4	9.8	5.9
	3	T10N-R23W SW NW S18	15	10.4	8.1	0.6	16.9	10.2	6.1
	3	T11N-R24W NE NE S34	6.7	12.1	9.4	0.9	5.8	5.2	0.5
	3	T11N-R24W SW NE S19	4.1	9.7	7.6	0.6	4.3	2.6	1.6
	3	T11N-R23W NW NW S26	33	15.6	12.2	0.9	37.2	33.5	3.4
	3	T11N-R23W SW NE S33	17.7	19.2	15	0.6	36.9	22.1	13.3
	3	T11N-R23W NE SE S01	8.9	10	7.8	0.6	9.7	5.8	3.5
	3	T10N-R23W NW SE S01	27.7	10.4	8.1	0.6	31.2	18.7	11.2
	3	T10N-R23W SW NE S01	35.3	10.4	8.1	0.9	26.6	23.9	2.4
	3	T10N-R23W NE SW S03	10.1	9.3	7.3	0.6	10.3	6.2	3.7
	3	T10N-R23W SW SW S04	25.1	13.2	10.3	0.6	35.9	21.5	12.9
	3	T10N-R23W NW NE S19	3.9	9.7	7.6	0.6	4.1	2.4	1.5
	3	T11N-R23W SW SW S36	20	13.9	10.8	0.9	20	18	1.8
	3	T11N-R23W SE SW S04	12.2	9.7	7.6	0.6	12.8	7.7	4.6
	3	T10N-R23W NW SW S27	0.7	10.1	7.9	0.9	0.5	0.5	0
	3	T11N-R24W NE SW S03	3.9	9.3	7.3	0.6	3.9	2.4	1.4
		T10N-R23W							

Table 3-3 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
	3	NE SW S04 T10N-R23W	11.3	9.7	7.6	0.6	11.8	7.1	4.3
	3	NW SW S03 T10N-R23W	13.2	10	7.8	0.6	14.4	8.6	5.2
	3	SW SW S27 T11N-R23W	12.2	9.7	7.6	0.9	8.6	7.8	0.8
	3	NW SW S27 T11N-R23W	13.1	9.7	7.6	0.9	9.2	8.3	0.8
	3	NE SW S27 T11N-R23W	13.5	9.7	7.6	0.9	9.4	8.5	0.8
	3	SE SW S27 T11N-R23W	9.6	10.1	7.9	0.9	7	6.3	0.6
	3	NE NW S26 T11N-R23W	5.8	15.6	12.2	0.9	6.5	5.8	0.6
	3	NE NW S26 T11N-R23W	5.4	15.6	12.2	0.9	6	5.4	0.5
	3	SE SE S18 T11N-R24W	20.9	9.7	7.6	0.9	14.6	13.2	1.3
	3	SW NW S35 T11N-R23W	5.6	17.4	13.6	0.9	7.1	6.4	0.6
	3	SW NE S28 T11N-R24W	39.5	10.4	8.1	0.6	44.5	26.7	16
	3	SE NE S28 T11N-R24W	39.2	10.4	8.1	0.6	44.1	26.5	15.9
	3	NW SE S28 T11N-R24W	20	10	7.8	0.9	14.5	13.1	1.3
	3	NE SE S28 T11N-R24W	19.2	10	7.8	0.9	13.9	12.5	1.3
Sum Rnd_Acres	4473	Average CPwtCIR	11.9	Average NFCPwtCIR	9.3	Average FarmEff	0.8		
Sum Nffarmdel	4352.1	Sum NFCPuse	3349.9	Sum Nffarmrch	901.9				

Table 3-4

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFarmdel	NFCPuse	NFarmrch
D626	4	SE NW S10 T10N-R23W	36	10	7.8	0.9	26.1	23.5	2.4
	4	SW NW S04 T10N-R23W	37.2	9.7	7.6	0.6	39	23.4	14
	4	NE NW S09 T10N-R23W	39	13.2	10.3	0.6	55.6	33.4	20
	4	SW NE S06 T10N-R22W	26.8	10	7.8	0.9	19.4	17.5	1.7
	4	SE SE S15 T11N-R24W	36.7	15.4	12	0.9	40.8	36.7	3.7
	4	SW NW S22 T11N-R24W	5	10.1	7.9	0.9	3.7	3.3	0.3
	4	SE NW S23 T11N-R24W	40	17.5	13.7	0.9	50.6	45.6	4.6
	4	SW NW S24 T11N-R24W	38.8	10.1	7.9	0.6	42.6	25.5	15.3
	4	NE NE S25 T11N-R24W	33.3	10.1	7.9	0.9	24.3	21.9	2.2
	4	NW NE S25 T11N-R24W	38.9	10.1	7.9	0.9	28.4	25.6	2.6
	4	SW NE S26 T11N-R24W	39.8	10.1	7.9	0.9	29.1	26.2	2.6
	4	NW NE S26 T11N-R24W	15.1	10.1	7.9	0.9	11.1	10	1
	4	SW NE S27 T11N-R24W	5.1	10.1	7.9	0.9	3.8	3.4	0.3
	4	NE NW S22 T11N-R24W	5	10.5	8.2	0.9	3.8	3.4	0.3
	4	SW NE S19 T11N-R23W	35.6	9.7	7.6	0.6	37.6	22.6	13.5
	4	SW NW S19 T11N-R23W	39.4	10.1	7.9	0.6	43.2	25.9	15.6
	4	SE NW S19 T11N-R23W	39.2	9.7	7.6	0.6	41.3	24.8	14.9
	4	NE NW S19	39.2	9.7	7.6	0.6	41.3	24.8	14.9

Table 3-4 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
		T11N-R23W							
4		NE NE S29	16.1	9.7	7.6	0.6	16.9	10.1	6.1
		T11N-R24W							
4		NW NW S19	38.5	10.1	7.9	0.6	42.2	25.3	15.2
		T11N-R23W							
4		NW NE S20	17	10.1	7.9	0.6	18.6	11.2	6.7
		T11N-R23W							
4		SW NE S20	8.1	10.1	7.9	0.6	8.9	5.3	3.2
		T11N-R23W							
4		NE NW S21	0.8	12.2	9.5	0.6	1.1	0.7	0.4
		T11N-R23W							
4		NW NW S21	4.3	10.5	8.2	0.6	4.9	3	1.8
		T11N-R23W							
4		NE NE S20	27.8	10.1	7.9	0.6	30.5	18.3	11
		T11N-R23W							
4		NE SE S33	39.8	10	7.8	0.9	28.9	26	2.6
		T11N-R23W							
4		NW SE S33	39.6	10	7.8	0.9	28.7	25.8	2.6
		T11N-R23W							
4		SW SE S33	36.7	10	7.8	0.9	26.6	23.9	2.4
		T11N-R23W							
4		SE SW S36	3.4	13.9	10.8	0.9	3.4	3	0.3
		T11N-R23W							
4		NW SW S36	34	10	7.8	0.9	24.7	22.2	2.2
		T11N-R23W							
4		NE SW S36	34	10	7.8	0.9	24.7	22.2	2.2
		T11N-R23W							
4		NE NE S02	7	10	7.8	0.6	7.6	4.6	2.7
		T10N-R23W							
4		NW NW S02	38.2	10.4	8.1	0.9	28.7	25.8	2.6
		T10N-R23W							
4		NE NW S01	4.8	15.9	12.4	0.6	8.2	4.9	3
		T10N-R24W							
4		NE NW S01	28	10.4	8.1	0.6	31.6	19	11.4
		T10N-R23W							
4		NE NW S02	39.3	10.4	8.1	0.9	29.5	26.6	2.7
		T10N-R23W							
4		SW NW S01	34.6	19.3	15.1	0.6	72.4	43.4	26.1
		T10N-R24W							

Table 3-4 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
4		NW NW S01 T10N-R24W	34.9	19.3	15.1	0.6	73	43.8	26.3
4		NE SW S01 T10N-R24W	13.3	19.3	15.1	0.6	27.8	16.7	10
4		SE NW S04 T10N-R23W	16.2	9.7	7.6	0.6	17	10.2	6.1
4		SW SW S05 T10N-R23W	37.4	19.2	15	0.9	51.9	46.7	4.7
4		SE SW S05 T10N-R23W	7.6	19.2	15	0.9	10.6	9.5	1
4		SE NW S09 T10N-R23W	35.7	16.1	12.5	0.6	62.3	37.4	22.4
4		NW SW S05 T10N-R23W	39.3	19.2	15	0.9	54.5	49	4.9
4		NW SW S15 T11N-R24W	15.5	10.1	7.9	0.6	17	10.2	6.1
4		SW SE S22 T11N-R24W	38	14	10.9	0.6	57.7	34.6	20.8
4		NW NW S24 T11N-R24W	35.6	10.1	7.9	0.6	39	23.4	14
4		SW NE S25 T11N-R24W	38.7	10.1	7.9	0.9	28.3	25.5	2.5
4		SE NE S25 T11N-R24W	39	10.1	7.9	0.9	28.5	25.7	2.6
4		NW NE S19 T11N-R23W	34.9	9.7	7.6	0.6	36.9	22.1	13.3
4		SE NE S20 T11N-R23W	30.4	10.1	7.9	0.6	33.4	20	12
4		SE SE S33 T11N-R23W	38.8	10	7.8	0.9	28.1	25.3	2.5
4		SE NW S01 T10N-R24W	33.7	17.7	13.8	0.6	64.8	38.9	23.3
4		NW SW S01 T10N-R24W	0.8	17.5	13.7	0.6	1.6	0.9	0.6
4		NE SW S05 T10N-R23W	40.1	19.2	15	0.9	55.6	50.1	5
4		NW NW S09 T10N-R23W	8.1	19	14.8	0.6	16.7	10	6
4		NE SW S09	1.3	10.6	8.3	0.6	1.5	0.9	0.5

Table 3-4 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
	4	T10N-R23W SW SE S15	36.4	9.7	7.6	0.9	25.6	23	2.3
	4	T11N-R24W SE NE S06	25.8	10	7.8	0.9	18.7	16.8	1.7
	4	T10N-R22W SE NE S26	38	10.1	7.9	0.9	27.8	25	2.5
	4	T11N-R24W NW SW S31	36.2	19.2	15	0.6	75.3	45.2	27.1
	4	T11N-R23W SW SW S36	2.8	13.9	10.8	0.9	2.8	2.6	0.3
	4	T11N-R23W NE NW S10	36.9	13.6	10.6	0.9	36.1	32.5	3.3
	4	T10N-R23W NW NW S34	18	15.7	12.3	0.6	30.6	18.3	11
	4	T11N-R23W NW SW S20	4	9.7	7.6	0.6	4.3	2.6	1.5
	4	T11N-R24W NW SE S27	4.9	10.1	7.9	0.9	3.6	3.2	0.3
	4	T11N-R24W NW NW S01	1.2	10.4	8.1	0.6	1.3	0.8	0.5
	4	T10N-R23W NW NW S01	27.4	10.4	8.1	0.6	30.9	18.5	11.1
		T10N-R23W							
Sum Rnd_Acres	1773	Average CPwtCIR	12.3	Average	9.6	Average FarmEff	0.7		
Sum NFfarmdel	1943	Sum NFCPuse	1408.3	Average NFCPwtCIR					
				Sum NFfarmrch	481.2				

Table 3-5

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
D626	5	SW SW S22 T11N-R23W	9.4	10.5	8.2	0.9	7.1	6.4	0.6
	5	SE NW S21 T11N-R23W	36.3	10.1	7.9	0.6	39.8	23.9	14.3
	5	NE SW S21 T11N-R23W	39.7	13.6	10.6	0.9	39.1	35.2	3.5
	5	SE SE S27 T11N-R23W	38.8	10.5	8.2	0.9	29.4	26.5	2.6
	5	NE SE S27 T11N-R23W	39.4	10.5	8.2	0.9	29.9	26.9	2.7
	5	NW SE S27 T11N-R23W	31.8	14	10.9	0.9	32.1	28.9	2.9
	5	SW NE S33 T11N-R23W	19.5	19.2	15	0.6	40.5	24.3	14.6
	5	NW SW S32 T11N-R23W	35.9	9.7	7.6	0.6	37.9	22.7	13.6
	5	SW SW S32 T11N-R23W	37.3	9.7	7.6	0.6	39.3	23.6	14.2
	5	SW SE S21 T11N-R23W	6.3	10.1	7.9	0.9	4.6	4.2	0.4
	5	NW SW S22 T11N-R23W	4.2	17.5	13.6	0.9	5.3	4.8	0.5
	5	SW SE S27 T11N-R23W	31.9	10.5	8.2	0.9	24.2	21.7	2.2
	5	SW NW S21 T11N-R23W	34.9	10.1	7.9	0.6	38.4	23	13.8
	5	SE SW S36 T11N-R23W	5.6	13.9	10.8	0.6	8.5	5.1	3.1
	5	SW SW S36 T11N-R23W	3.3	13.9	10.8	0.9	3.3	3	0.3
	5	SW SW S21 T11N-R23W	5	10.1	7.9	0.9	3.7	3.3	0.3
	5	SE SW S21 T11N-R23W	34.1	10.1	7.9	0.9	25	22.5	2.2
	5	NW SW S21	28.1	13.6	10.6	0.9	27.7	24.9	2.5

Table 3-5 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPuse	Nffarmrch
	5	T11N-R23W SW NW S33	2.1	10.4	8.1	0.9	1.6	1.5	0.1
	5	T11N-R23W SE NW S33	2.6	10.4	8.1	0.9	1.9	1.7	0.2
	5	T11N-R23W NW NW S33	2.3	10.4	8.1	0.9	1.7	1.5	0.2
	5	T11N-R23W SW NW S35	5.8	17.4	13.6	0.9	7.3	6.6	0.7
Sum Rnd_Acres	454.3	Average CPwtCIR	12.1	Average NFCPwtCIR	9.4	Average FarmEff	0.8		
Sum Nffarmdel	448.3	Sum NFCPuse	342.2	Sum Nffarmrch	95.5				

Table 3-8

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFarmdel	NFCPuse	NFarmrch
D626	8	SW SW S24 T11N-R24W	37.5	10.5	8.2	0.9	28.4	25.6	2.6
	8	SW SW S25 T11N-R24W	38	9.7	7.6	0.9	26.7	24	2.4
	8	NW SE S26 T11N-R24W	39.7	17.5	13.7	0.6	75.4	45.2	27.1
	8	SW SE S26 T11N-R24W	38.7	17.5	13.7	0.6	73.5	44.1	26.5
	8	SE SE S26 T11N-R24W	32.7	19.3	15.1	0.6	68.4	41	24.6
	8	NE SE S26 T11N-R24W	39.6	19.3	15.1	0.6	82.7	49.6	29.8
	8	SW NE S36 T11N-R24W	39.9	17.5	13.7	0.6	75.8	45.5	27.3
	8	NE SW S36 T11N-R24W	39.9	17.5	13.7	0.9	50.5	45.5	4.5
	8	NE NW S36 T11N-R24W	39.2	17.5	13.7	0.6	74.4	44.6	26.8
	8	SW NW S36 T11N-R24W	28.1	17.5	13.7	0.9	35.5	32	3.2
	8	SE SE S18 T11N-R23W	13	9.8	7.6	0.9	9.2	8.3	0.8
	8	NW SW S36 T11N-R24W	39	17.5	13.7	0.9	49.4	44.4	4.4
	8	SE NW S36 T11N-R24W	26.8	17.5	13.7	0.9	33.9	30.5	3
	8	SE NW S36 T11N-R24W	13.1	17.5	13.7	0.6	25	15	9
	8	SE NE S36 T11N-R24W	34.5	17.5	13.7	0.6	65.4	39.2	23.5
	8	SW SE S17 T11N-R23W	33	9.8	7.6	0.9	23.3	21	2.1
	8	NW SE S18 T11N-R23W	1.1	9.8	7.6	0.6	1.2	0.7	0.4
	8	SE SW S19	5.8	9.7	7.6	0.9	4.1	3.7	0.4

Table 3-8 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
8		T11N-R23W SE SW S19	25.7	9.7	7.6	0.9	18.1	16.3	1.6
8		T11N-R23W NW SW S25	36.6	9.7	7.6	0.9	25.8	23.2	2.3
8		T11N-R24W NE NE S36	4.1	15.4	12	0.6	6.8	4.1	2.5
8		T11N-R24W NW SE S17	1	13.6	10.6	0.9	1	0.9	0.1
8		T11N-R23W SE SE S17	29	9.8	7.6	0.9	20.5	18.5	1.8
8		T11N-R23W NW SW S19	33.5	10.1	7.9	0.9	24.5	22	2.2
8		T11N-R23W SW SE S28	36.8	10.5	8.2	0.9	27.9	25.1	2.5
8		T11N-R23W SW NE S28	40.3	10.1	7.9	0.9	29.5	26.5	2.7
8		T11N-R23W SE SE S28	39	10.5	8.2	0.9	29.6	26.6	2.7
8		T11N-R23W NW SE S28	38.8	10.5	8.2	0.9	29.4	26.5	2.6
8		T11N-R23W NW NE S28	40	10.1	7.9	0.9	29.2	26.3	2.6
8		T11N-R23W NE NE S28	36.7	10.1	7.9	0.9	26.8	24.2	2.4
8		T11N-R23W NE SE S28	39.9	10.5	8.2	0.9	30.2	27.2	2.7
8		T11N-R23W NE NE S33	39.4	10.4	8.1	0.6	44.4	26.6	16
8		T11N-R23W NW NE S33	37.1	13.9	10.9	0.6	55.9	33.6	20.1
8		T11N-R23W SE SW S24	34.4	17.5	13.7	0.9	43.6	39.2	3.9
8		T11N-R24W NW NW S36	2.9	17.5	13.7	0.6	5.5	3.3	2
8		T11N-R24W SW NW S36	0.7	17.5	13.7	0.6	1.3	0.8	0.5
8		T11N-R24W NW NE S36	21.9	19.3	15.1	0.6	45.7	27.4	16.5
		T11N-R24W							

Table 3-8 cont

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
	8	NE SW S19 T11N-R23W	2.5	9.7	7.6	0.9	1.8	1.6	0.2
	8	NE SW S19 T11N-R23W	28.4	9.7	7.6	0.9	19.9	18	1.8
	8	SW SW S19 T11N-R23W	32.7	10.1	7.9	0.9	23.9	21.5	2.2
	8	SE NE S28 T11N-R23W	39.9	10.1	7.9	0.9	29.1	26.2	2.6
	8	SW SE S18 T11N-R23W	30.2	8.5	6.7	0.6	28	16.8	10.1
	8	NE SW S19 T11N-R23W	2	9.7	7.6	0.9	1.4	1.3	0.1
Sum Rnd_Acres	1213.1	Average CPwtCIR	13.2	Average	10.3	Average FarmEff	0.8		
Sum NFfarmdel	1402.7	Sum NFCPuse	1043.6	Sum NFCPwtCIF		Sum NFfarmrch		323.2	

Table 3-9

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
D626	9	SW SW S21 T11N-R23W	0.8	10.1	7.9	0.6	0.8	0.5	0.3
	9	SE SW S21 T11N-R23W	2.4	10.1	7.9	0.9	1.8	1.6	0.2
	9	NW SW S21 T11N-R23W	2.9	13.6	10.6	0.6	4.3	2.6	1.5
	9	SW SW S21 T11N-R23W	21.7	10.1	7.9	0.9	15.9	14.3	1.4
Sum Rnd_Acres	27.8	Average CPwtCIR 11		Average NFCPwtCIR	8.6	Average FarmEff	0.8		
Sum NFfarmdel	22.7	Sum NFCPuse 18.9		Sum NFfarmrch	3.4				

Table 3-10

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
D626	10	SE SW S05 T10N-R23W	12.4	19.2	15	0.6	25.8	15.5	9.3
Sum Rnd_Acres	12.4	Average CPwtCIR	19.2	Average NFCPwtCIR	15	Average FarmEff	0.6		
Sum NFfarmdel	25.8	Sum NFCPuse	15.5	Sum NFfarmrch	9.3				

Table 3-3b

CD_WR_Usage_2016

Appropriat	Usage_2016	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPuse	NFfarmrch
A17002R	3	SW SW S18 T11N-R24W	25	12.8	10	0.6	34.7	20.8	12.5
	3	SE NW S18 T11N-R24W	4.5	10	7.8	0.6	4.9	2.9	1.8
	3	NE SW S18 T11N-R24W	5.5	17.2	13.4	0.6	10.3	6.2	3.7
Sum Rnd_Acres	35	Average CPwtCIR	13.4	Average NFCPwtCIR	10.4	Average FarmEff	0.6		
Sum NFfarmdel	49.9	Sum NFCPuse	29.9	Sum NFfarmrch	18				

Cozad Ditch Company Map showing Platte River Reach For Flow Augmentation

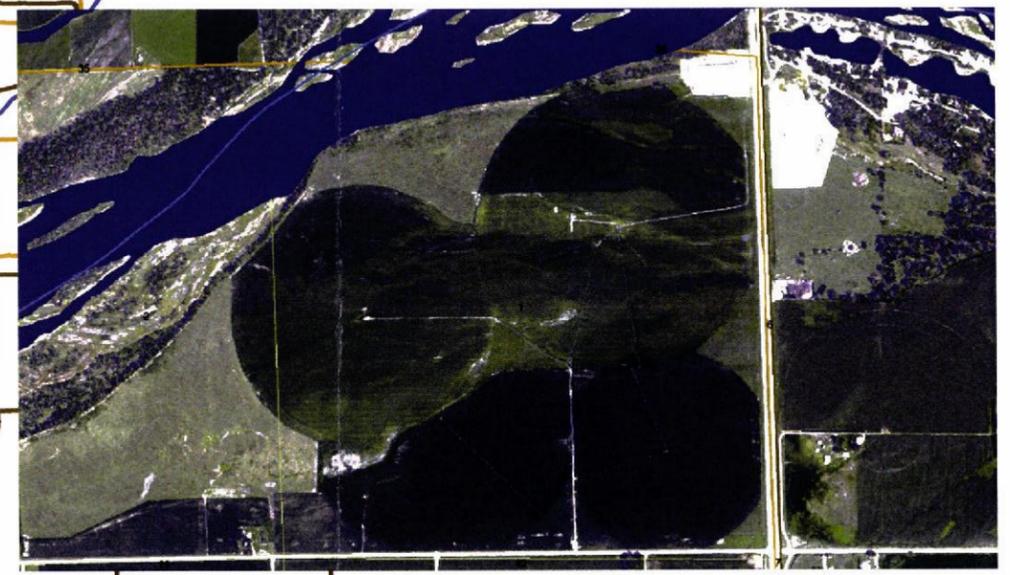
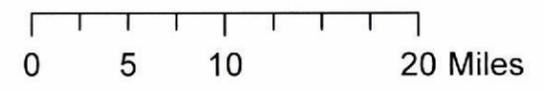


End of Flow Augmentation reach
NW 1/4 NW 1/4 Sec 1 Twn 16 Rng 1 W

Diversion Dam
SE1/4SW1/4 Sec 15 Twn 11 Rng 25

Legend

- PlatteChannel
- Representation: Town_Range_Rep**
- Township
- Cozad_D626U7
- CD_Usage_2015**
- Usage_2015**
- 1 year
- 1 year
- 2 year
- 3 year
- 4 year
- 5 year
- 6 year
- 9 year
- 10 year
- Using SW



Attachment C-2 Diversion and Canal Location Map created by CPNRD 6/8/2015

Attachment D to Cozad Canal WR Transfer
LEASE AND MANAGEMENT AGREEMENT

This Lease and Management Agreement is made and entered into on this ___ day of _____, 2011, between the Central Platte Natural Resources District ("CPNRD"), a political subdivision of the State of Nebraska, and the Cozad Ditch Company ("Company"), a Nebraska nonprofit corporation, collectively referred to herein as the "Parties."

RECITALS

WHEREAS, CPNRD is a political subdivision of the State of Nebraska, duly authorized to lease real and personal property and provide irrigation water within said State;

WHEREAS, CPNRD also is charged, pursuant to the Platte River Cooperative Agreement, with providing water to the Platte River for state and local purposes;

WHEREAS, Company is a Nebraska nonprofit corporation, in good standing, that owns certain real and personal property and holds certain valid, active water appropriations and rights issued by the State of Nebraska;

WHEREAS, this Agreement establishes the rights, duties, obligations and responsibilities of CPNRD and Company for the future operation, maintenance and repair of Company's water diversion works, irrigation canals, laterals and ditches and general water use;

WHEREAS, Company desires to lease to CPNRD the water appropriations as set forth on Exhibit A, attached hereto and incorporated herein by this reference; and

WHEREAS, CPNRD desires to lease a one-half (50%) interest in Company's real and personal property and water delivery systems in order to assist with continued operations to deliver surface water for irrigation and groundwater recharge as well as to provide enhanced stream flows to the Platte River for State and local purposes, including but not limited to, the Platte River Recovery Implementation Plan, the Platte River Basin-wide Integrated Management Plan, and the CPNRD Platte River Integrated Management Plan, including the return to fully appropriated for the areas in Dawson County and western Buffalo County designated as over-appropriated;

WHEREAS, Company desires to lease CPNRD the use of its irrigation canals and laterals in order for CPNRD to create ground water recharge and flow augmentation to the Platte River;

NOW, THEREFORE, in consideration of the mutual consideration, covenants and representations contained herein, the receipt and sufficiency of which both parties acknowledge, the Parties agree as follows:

1. **RECITALS.** The above recitals are true and correct and have been relied upon by the Parties hereto.

2. **LEASE.** Company hereby leases to CPNRD the water appropriations as set forth on Exhibit A.

3. **LEASE AMOUNT.** CPNRD shall pay Company the amounts set forth on Exhibit B, attached hereto and incorporated herein by this reference as payment for leasing the water appropriations set forth on Exhibit A and CPNRD's share of the operation and maintenance costs set forth in Paragraph 4 herein.

4. **OPERATION AND MAINTENANCE PAYMENTS.** Each Party to this Agreement shall be responsible for one-half (50%) of the net actual costs incurred by the Parties as necessary to allow Parties to conduct their operations as contemplated in this Agreement. It is anticipated that Company shall initially incur all such costs and CPNRD shall then reimburse company for one-half (50%) of such net costs. The methodology for calculations of such net costs shall be set forth on Exhibit B.

5. **FIRST RIGHT OF REFUSAL.** Company hereby grants to CPNRD a first right of refusal to purchase any of Company's water appropriations in the event that Company ever desires to sell such appropriations or rights, or if such appropriations or rights are sold or transferred, whether voluntarily or involuntarily, for such price and upon such terms as Company would be willing to accept for the sale or transfer of such property to a bona fide third party purchaser. In the event that Company desires to transfer such property at any time and receives a bona fide offer to purchase which Company is willing to accept, or in the event that the property is subject to any type of involuntary sale, Company shall give CPNRD written notice setting forth the terms of such offer or proposed transfer of the property. CPNRD shall have thirty (30) days from receipt of said written notice of proposed sale to exercise the right of first refusal by written acceptance of the terms of said notice delivered to Company. In the event that CPNRD exercises this right of first refusal within such thirty (30) day period, the parties shall proceed to close the sale upon the terms of the agreement. Failure to file the exercise of the first right of refusal within the thirty (30) day period shall automatically extinguish the right of first refusal for the transaction, subject to the reinstatement set forth below. If CPNRD does not exercise the right of first refusal, Company shall have a period of ninety (90) days thereafter to execute a written purchase agreement with a third party under the terms contained in the earlier written notice delivered to CPNRD. If such a purchase agreement is not executed within said time period, and if the closing of said purchase agreement is not completed within one year after the execution of the written purchase agreement, the entire right of first refusal procedure shall be reinstated.

6. **CLOSING.** Closing on this Agreement shall occur on or before December 31st, 2011 provided the following conditions precedent to Closing have been satisfied:

- a. The Parties' respective Boards of Directors have officially approved this Agreement through lawful Board action; and
- b. Company has executed all documents reasonably required by CPNRD to effectuate the lease identified in Paragraph 2 above.

7. **GOVERNING LAW.** This Agreement shall be construed under the laws of the State of Nebraska and may not be modified except in writing by both parties hereto.

8. **SUCCESSORS AND ASSIGNS.** This Agreement shall be binding on all successors and assigns of the Parties. This Agreement may be assigned only upon prior, written consent of the other Party.

9. **CONTINGENCY.** This Agreement is expressly made contingent upon Company executing a long term storage water contract with NPPD or NPPD's successor on terms acceptable to Company on or before the date of closing.

10. OPERATION OF FACILITIES AND USE OF WATER.

CPNRD shall assume lead responsibility for the following activities:

- Transfer water right uses
- Secure water rights for excess flows
- Negotiate leases with PRRIP and others
- Handle finances and bookkeeping
- Handle Payroll
- Conduct annual Audit
- Develop and submit application for Rehab Grant
- Develop Requests for Proposals - Consultants
- Develop Construction Contracts (Rehab, etc.)
- Report to Company on all matters on which CPNRD has lead responsibility.

Company shall assume lead responsibility for the following activities:

- Hire and fire employees
- Supervise employee(s) day to day
- Direct/Oversee irrigation diversions and deliveries
- Report to DNR on irrigation
- Oversee Recharge Diversions
- Report to CPNRD on all matters on which Company has lead responsibility.

CPNRD and Company shall assume joint responsibility for the following activities:

- Oversee/Handle normal O&M and approve Outside Contractor
- Determine Maintenance Needs
- Oversee Rehabilitation of Canal
- Select Contractor (for construction contracts)

11. **MANAGEMENT DECISIONS.** CPNRD and Company intend to operate jointly on all matters. In matters of management that require a vote, Company shall have a total of one (1) vote. CPNRD shall likewise have a total of one (1) vote. Unless otherwise required by law, all matters voted upon shall be deemed approved by a simple majority vote.

12. **FUTURE LIABILITY.** Company and CPNRD agree to share equally (50%-50%) any and all liability associated with future claims or actions arising out of operation of the diversion works and canals following Closing. Parties shall, at all times maintain such insurance coverage as necessary to indemnify and hold harmless the other party for any and all liability arising from claims or actions that exceed 50% of the total liability of such claim or action.

13. **MODIFICATION OF AGREEMENT.** This Agreement shall be reviewed by the Parties on an annual basis. Parties may change portions of the Agreement by a majority vote.

14. **REQUISITE FILINGS.** As soon as practicable following Closing, CPNRD and Company shall submit any and all necessary documentation to the Nebraska Department of Natural Resources ("DNR") regarding the lease set forth in Paragraph 2 herein.

15. **TERM OF AGREEMENT.** This Agreement shall terminate on December 31, 2042 unless terminated earlier by mutual agreement of the parties hereto.

IN WITNESS WHEREOF, the Parties have executed this Agreement on this date set forth above.

Central Platte Natural Resources District,
a political subdivision of the State of
Nebraska

Cozad Ditch Company, a Nebraska
Nonprofit Corporation

BY: _____

Title: _____

BY: _____

Title: _____

**Exhibit A
To
Lease and Management Agreement**

1. **The equivalent of 117.22 cfs of water appropriations and rights shall be leased under this Agreement. The exact appropriation numbers and rights shall be determined by mutual agreement of the parties hereto.**
2. **The use of all irrigation canals and laterals *provided* such use is accomplished in a manner that does not interfere with active irrigation.**

**Exhibit B
To
Lease and Management Agreement**

1. Lease payments to the Company for appropriation rights will be ½ of the amount of any sublease payment received by CPNRD with regard to said appropriations rights. In the event CPNRD does not sublease the appropriation rights but elects to use them in furtherance of CPNRD's water management goals and objectives, CPNRD shall pay Company ½ CPNRD's then standard leasing rate.
2. If CPNRD uses the irrigation canals and laterals for appropriations CPNRD may acquire after July 30, 2011, CPNRD will pay Company ½ of any sublease payment it receives for river flow augmentation arising from the use of said canals and laterals.
3. Lease payments for appropriations and water rights shall be due on July 1st of each year of this agreement.
4. CPNRD shall reimburse Company for Operation and Maintenance Payments described in Paragraph 4 of the Agreement, calculated as follows:
 - a. Starting with all receipts of Company (except the lease payments set forth in Paragraph 1 of this Exhibit B) and specifically including all grants received by Company;
 - b. Less all expenses and maintenance costs and capital improvements incurred by Company;
 - c. Divided by two (2).
5. The payments calculated in accordance with Paragraph 3 of this Exhibit B shall be due and payable no less frequently than semi-annually.

WATER USE LEASE AGREEMENT

This Water Use Lease Agreement is made and entered into this 4th day of December, 2013, between the Central Platte Natural Resources District ("CPNRD"), a political subdivision of the State of Nebraska, and the Nebraska Community Foundation ("Foundation") representing all signatories to the Platte River Recovery Implementation Program ("Program"); collectively referred to as the "Parties".

RECITALS

WHEREAS, CPNRD 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, CPNRD desires to provide water to the Platte River to achieve state and local objectives;

WHEREAS, Foundation is a Nebraska non-profit corporation, duly authorized to enter into lease agreements for the use of water to enhance, increase, and augment the flows of the Platte River pursuant to the Platte River Recovery Implementation Program ("Program");

WHEREAS, Foundation desires to enter into a lease agreement with CPNRD for the use of water to enhance the flows of the Platte River pursuant to the Program;

NOW THEREFORE, the Parties mutually agree as follows:

1. **Water.** CPNRD agrees to annually provide water to the Platte River in amounts not to exceed 20,500 acre-feet. CPNRD shall provide the water between Gothenburg, Nebraska and Lexington, Nebraska.

Quantification of Water. CPNRD shall cause water to be diverted to the Platte River from canals to which it holds an interest (Six Mile, Cozad, Thirty Mile and Orchard Alfalfa, hereinafter referred to as "Canals"). Water may be provided to the Foundation from a variety of water-related activities including but not limited to (a) natural flow associated with transferred surface water and (b) ground water recharge. All quantifications of water provided to the Foundation shall represent the monthly net effect of the water-related activity above Lexington NE, resulting in fully consumable water. CPNRD shall provide all monthly surface and ground water quantification information to the Foundation on or before November 15 of each calendar year, including the net effect to the Platte River from prior years' water-related activities and a projection of the upcoming year's activities. The natural flow water diverted into any of the Canals under an existing water right, for which the use has been transferred from agricultural to in-stream use, is considered surface water and described in Section (a) Transferred Surface Water, below. Natural flows diverted when excess to USFWS target flows into any of the Canals for the express purpose of ground water recharge under a newly permitted water

right are categorized as ground water and described in the subsequent Section (b) Ground Water Recharge, below.

- a. **Transferred Surface Water.** The Canals have existing water rights for diversion of natural flow for the purpose of irrigation. The water right use must be transferred from agriculture to instream use. Accomplishing this transfer is the responsibility of CPNRD as covered in Section 3 of this document. Lands previously irrigated by these now transferred surface water rights will instead be irrigated by ground water pumped from existing wells. All of the surface water returned to the Platte River via canal shall be quantified using a standard flow measuring device as commonly recognized by the United States Geological Survey, equipped with a continuous recorder. Data from the continuous flow measuring device will be reviewed for quality control and adjusted as necessary by CPNRD in accordance with standards commonly recognized by the United States Geological Survey. The net effect will be calculated as surface water returned to the Platte as measured by the flow measuring device reduced by the amount of depletions to the river resulting from the well pumping to irrigate the land previously irrigated by the relinquished surface water that accrue during the current calendar year. These depletions will consist of depletions resulting from the current year's pumping as well as depletions resulting from previous years' pumping that are impacting the river during the current calendar year.
- b. **Ground Water Recharge.** Ground water flowing from the Canals to the Platte River may come largely from either of these two sources: (1) ground water associated with canal seepage and deep percolation resulting from the diversion, conveyance, and application of water in accordance with the historical operation of the system, and (2) ground water associated with the recharge of excess flows intentionally diverted during the non-irrigation season and recharged for the purpose of increasing ground water accretions to the Platte River. The return flows of type (1) are associated with historical irrigation practices and therefore must be maintained and cannot be leased. To provide return flows of type (2), new permits for diversion of excess flow must be obtained. Accomplishing this permitting of new water rights is the responsibility of CPNRD as covered in Section 3. of this document. The return of excess flow water diverted for the purposes of ground water recharge cannot be included in the Relinquished Surface Water tally of Section a. above. Water provided to the Platte River by subsurface return flows (ground water discharge) from water not directly returned to the Platte River via canal shall be annually quantified by CPNRD using the ground water model referred to as the Cooperative Hydrology Study (COHYST), subject to confirmation by the Foundation also using COHYST.

- c. The calculation procedures to be used to arrive at the Transferred Surface Water and Ground Water Recharge amounts leased by the Foundation are illustrated by examples in Attachment A.

2. Appropriations. CPNRD agrees to obtain all appropriations from the State of Nebraska necessary to provide the desired water. This includes but may not be limited to transfer of use of existing water rights from agriculture to in-stream use and obtaining new water rights for diversion of excess flow for intentional ground water recharge during the non-irrigation season. Foundation assumes no responsibility for maintaining or administering the appropriations and holds no rights to the appropriations other than through this Agreement.

3. Amount of Water Offered. CPNRD shall provide a minimum of fifty percent of all available water returned to the Platte River for instream use to the Foundation. CPNRD does not guarantee any minimum amount of stream flow augmentation through Transferred Surface Water or Ground Water Recharge. The Foundation shall accept all water offered by CPNRD, subject to the limitation on annual acre-feet established in Section 1.

4. Price for Water. Foundation agrees to pay CPNRD \$35.00/acre-foot of the total yield of water provided to the Platte River as quantified in Section 1 Paragraph "2" of this agreement. After the first calendar year of this Agreement, CPNRD may annually increase the acre-foot price of water provided to the Foundation upon written notice. Written notice of a price increase for the water provided in future years shall occur no later than January 1 of each year, and in no case shall CPNRD increase the annual acre-foot price by more than 7.5% of the price for the prior calendar year. CPNRD shall bill the Foundation annually for the water provided in the prior calendar year and the Foundation shall make full payment within 60 days of receiving the bill.

5. Availability of Funds. Each payment obligation of the Foundation is conditioned upon the continuation of the Platte River Recovery Implementation Program and the availability of appropriated funds for the Program. If funds are not allocated and available for the continuance of services provided in this Agreement, the Foundation may terminate the contract at the end of the period for which the funds are available.

6. Duration. This agreement shall expire on December 31, 2019. The Parties may mutually agree to extend this Agreement upon the terms and conditions set forth herein as desired. Either party may terminate this agreement by providing 60 days written notice.

7. Assignment. No assignment of this agreement shall be allowed.

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

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

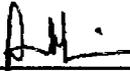
IN WITNESS WHEREOF, the Parties hereto have signed this Agreement on the dates indicated.



Central Platte Natural Resources District
Lyndon Vogt

12-10-2013

Date



Nebraska Community Foundation
Diane Wilson

12/11/2013

Date

Attachment A

For Water Lease Agreement between

Central Platte NRD and the Platte River Recovery Implementation Program

Dated December 4th 2013

To illustrate the process CPNRD will use to compute the quantities of water provided to enhance flows in the Platte River for the Program, CPNRD developed two analysis spreadsheets for the Cozad Canal system. The one spreadsheet was for the retiming of excess Platte River flow and the other for Transfer of surface water irrigation water to instream use. These spreadsheets were provided to the Water Advisory Committee and reviewed with the committee at several meetings. These example spreadsheets along with a powerpoint presentation are available on the Program WAC internet site (AttachmentA112612.xls is the Excess Flow spreadsheet and AttachmentA2a043013.xls is the Transfer spreadsheet). The following discussion highlights the water accounting process and sample results.

The analysis for both Excess Flow retiming and Irrigation Water Transfer is done on a monthly time frame for a 50 year time period. So in each spreadsheet what you find are worksheets that sum daily surface water diversions and returns to monthly volumes and those volumes are accounted for over the next 600 months or 50 years.

Excess Flow retiming

The water accounting example for retiming of excess flows was done for the Cozad Canal System shown on the map in figure 1 below. It diverts from the Platte River near Gothenburg, NE and delivers irrigation water to 16,000 acres. The main canal is around 17 miles in length and has 12 laterals to deliver water from.

The plan is to divert Platte River flows when flows in the Lexington to Chapman reach are in excess of USFWS target flows. The diversion of natural flow is limited to 100 CFS based on the water right applied for. The excess flow diversions will be made during the non-irrigation season March, April, first half of May, last half of September, October, and November. The water diverted will seep from the canal and recharge into the groundwater. The water recharged will then return the Platte River as base flow over a extend period of time.

Using the plan as a guide an example accounting for excess flow diversion and return was developed in a spreadsheet as noted above. The spreadsheet contains 4 main worksheets to accomplish the accounting process and one that discusses what is in each worksheet along with what accounting it accomplishes.

There is an excess flow diversion worksheet for each year (in the example ExcessFlowDiv2011 and ExcessFlowDiv2013). In these worksheets daily diversions are converted to monthly volumes of recharge which are distributed for each mile of canal by month and then the monthly recharge from each mile of canal gets distributed as base flow return to the Platte River using a groundwater return flow function.

There is a worksheet (RtnFnc) that contains the percentage of canal seepage distributed in each mile of canal. This worksheet also contains the 600 month groundwater return flow functions for the 17 canal reaches. The canal seepage distribution was developed from information collected during the Cozad Canal seepage loss study in August 2008. The flow measuring locations are shown on figure 1 and the loss estimates for reaches of the canal are shown in table 1. The groundwater return flow functions for each 1 mile canal reach was develop from the COHYST Eastern Model unit runs made with the cycle well program. A cycle well run was made for model cell within the CPNRD and these runs have been used to establish depletion functions and groundwater return flow functions for the Platte River and it's tributaries. Figure 2 shows a map of the Cozad canal area overlaid with the COHYST model grid.- An example groundwater return flow function for model cell 80-24 is shown in figure 3. Five functions were developed for this example analysis and assigned to the 17 miles of canal.

The Excess Return worksheet (ExcessRtn) totals the monthly return flow data in the yearly worksheets (ExcessFlowDiv2011) in this example. The Excess Return worksheet will be added for each year as excess flows are diverted and recharged. The net return flow to the Platte River by month and by year is the results from this worksheet and is shown in the first column.

The annual summary of the Net Return flow is computed in the Summary Return worksheet (SummaryRtn). In this example 323.4 Acre-feet return from Cozad Canal in 2011, 246.9 Acre-feet in 2012, and in 2013 145.9 acre-feet should return. The annual groundwater return flow to the Platte River is shown in figure 4 for this example.

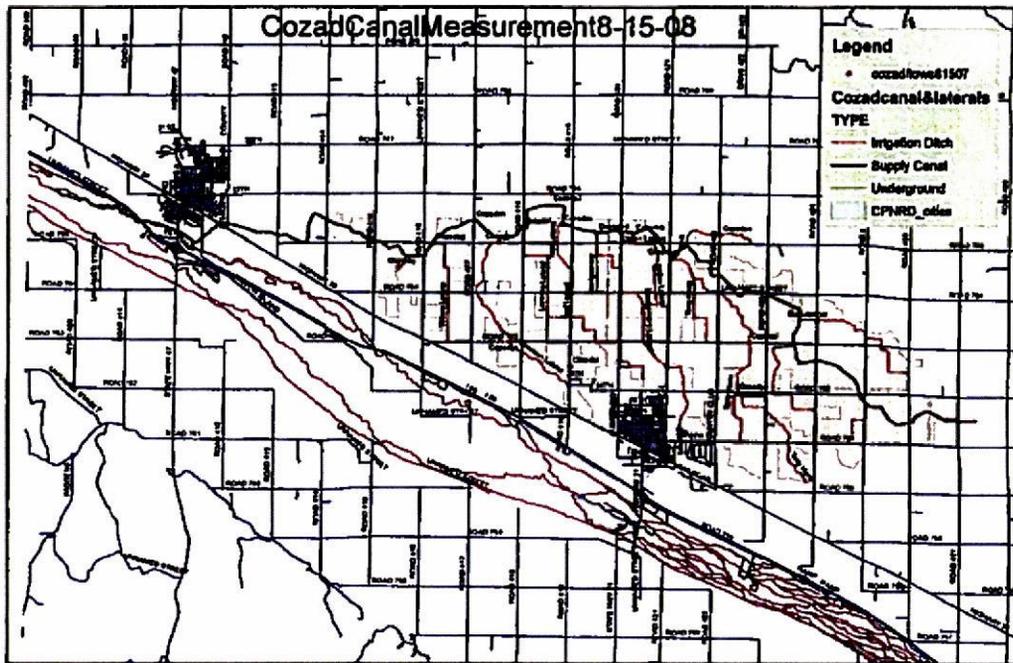


Figure 1 Cozad Canal system map showing discharge measurement locations

Measureme nt Point	Flow (cfs)	Avg Flow	Lateral or Tarnout	Flow (cfs)	Reach Loss (cfs)	Approx avg top width (ft)	Reach Length (ft)	Approx avg wet perim (ft)	Evaporativ e Loss (cfs)	Seepage Loss (cfs)	Unit Seep Loss (cfs/10,000 sq ft)
Diversion	123	114			18.0	31.5	40,533	40.4	0.1	17.9	0.109
S-7	105										
			Cozadaj	2.67							
			Cozadag	4.54							
	87		Cozadah	1.60	20.8	25.5	19,540	33.2	0.1	20.8	0.320
			Cozadoc	5.45							
			Cozadaf	0.00							
			sum out	14.26							
S-3	69.9										
			Cozadaj2	1.33							
			Cozadac	0.43							
	80		Cozadad	3.28	-22.0	18.3	14,481	26.5	0.0	-22.0	-0.573
			sum out	2.39							
S-1	89.5										
			Cozadab	6.57							
			Cozada	29.36							
	62		Cozadao	0.86	19.1	23.8	21,187	30.5	0.1	19.1	0.295
			sum out	36.78							
S-17	33.6										
			Cozadak	8.60	8.6	15.0	30,564	17.9	0.0	8.6	0.156
S-25	16.4										
Total or Avg					44.6	22.8	126,305	29.7		44.3	0.061

Table 1 Cozad Canal measurements and canal seepage loss estimates by reach.

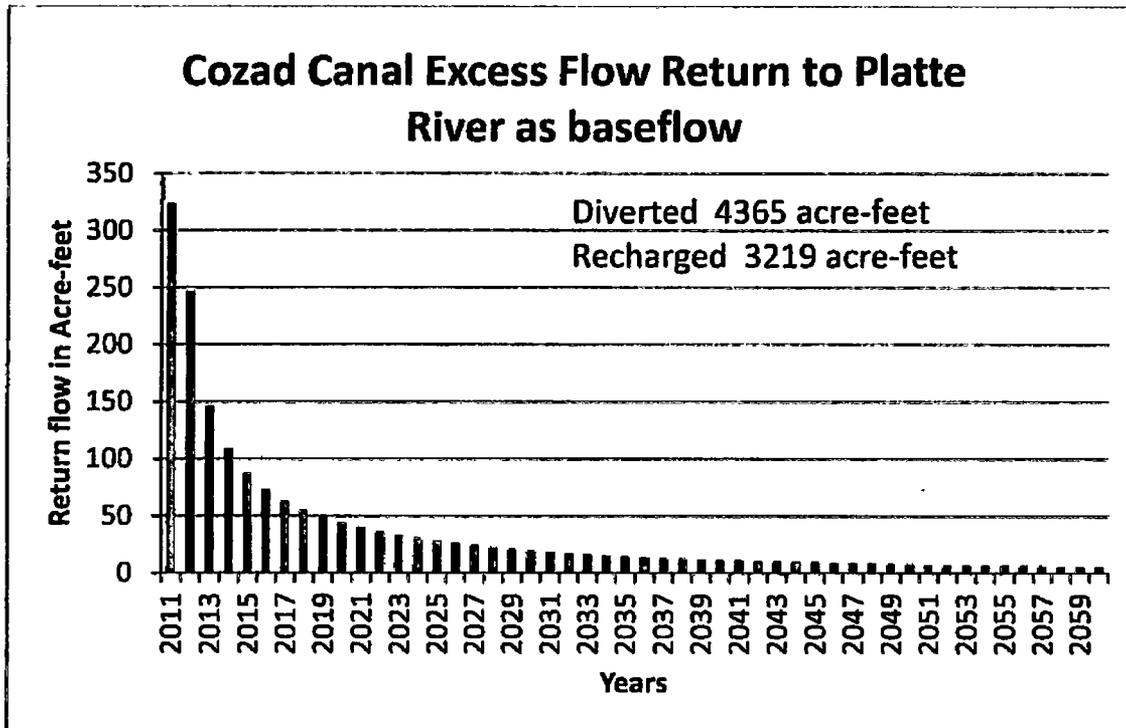


Figure 4 Cozad Canal Excess Flow retiming from 2011 diversions

Transfer of Surface Water irrigation to Instream Use

The water accounting example for transferring the consumptive use portion of surface water irrigation to in-stream use was also done for the Cozad Canal system. Figure 5 shows a map of the canal system water right lands by 40 acre tract. The Cozad canal has a 1894 water appropriation for 234.25 CFS to irrigate 16,069 acres.

The plan is to divert irrigation water into the canal system and then return a portion of that diversion through a constructed return channel to the Platte River for in-stream use. The diversion returned to the river will be based on the crop consumptive use of those acres that sign-up to transfer their natural flow water back to the river. The NRD is working with canal water right holders to sign-up acres for the temporary transfer. The temporary transfers are for 1 to 30 years and the map shown in figure 6 list potential transfer acre that are signed up and used in the example accounting process. The map also shows groundwater wells in the area that could be used to irrigate the transferred lands with groundwater. The plan is to account for the effect of this groundwater irrigation on depletion to the Platte River and compute a net effect on the River.

Using the plan as a guide an example accounting for transferred diversion and return to in-stream use was developed in a spreadsheet as noted above. The spreadsheet contains 5 main

worksheets to accomplish the accounting process and one that discusses what is in each worksheet along with what accounting it accomplishes.

The diversion and delivery worksheet is created for each year and contains the daily diversion records and daily delivery records for flows returned to the Platte River. In the example spreadsheet there are 3 worksheets for 2010, 2011, and 2012 (Div&Rtn2010, Div&Rtn2011, and Div&Rtn2012). The daily diversion of natural flow and measured return of irrigation water to the river is summed in these worksheets for each month.

There are 3 worksheets that contain the natural flow water right information by 40 acre tract. One is the base water right acres for 16,069 (WRbaseline CU2010). The second one is the acres that will continue to use surface and not transfer there irrigation water (SWCU2010). The third is the water rights acres that will be transferred (TransferCU201). This third worksheet are the acres that will pump groundwater so farm delivery values are computed for these acres and used in the groundwater depletion accounting process.

The depletion from groundwater pumping each month is handed in a worksheet for each year. In the example spreadsheet groundwater depletion worksheets were created for 5 years 2010, 11,12,13,14, and 2015 (PumpDp2010, PumpDp2011, etc). These worksheets distribute the annual groundwater pumped in a 40 tract by month and compute the monthly depletion values for 600 months into the future. The depletion function for each 40 tract was develop from COHYST EMU cycle well analysis. In this example analysis we used a average function for all tracts but for actual analysis model cell or section averaged functions will be utilized. These functions are found in the Pump%Depl worksheet.

The next computation is to combine each years pumping depletion by tract and month into a monthly summary over the 600 month period. This is done in worksheet (NetGWDepl) and the first column shows the net depletion from groundwater irrigation thru time.

The last worksheet in this example is the summary where monthly transfers back to the river and groundwater depletions are combine to show net river accretions and depletions. Figure 7 displays the example results of this analysis by month and table 2 show a annual summary of the results.

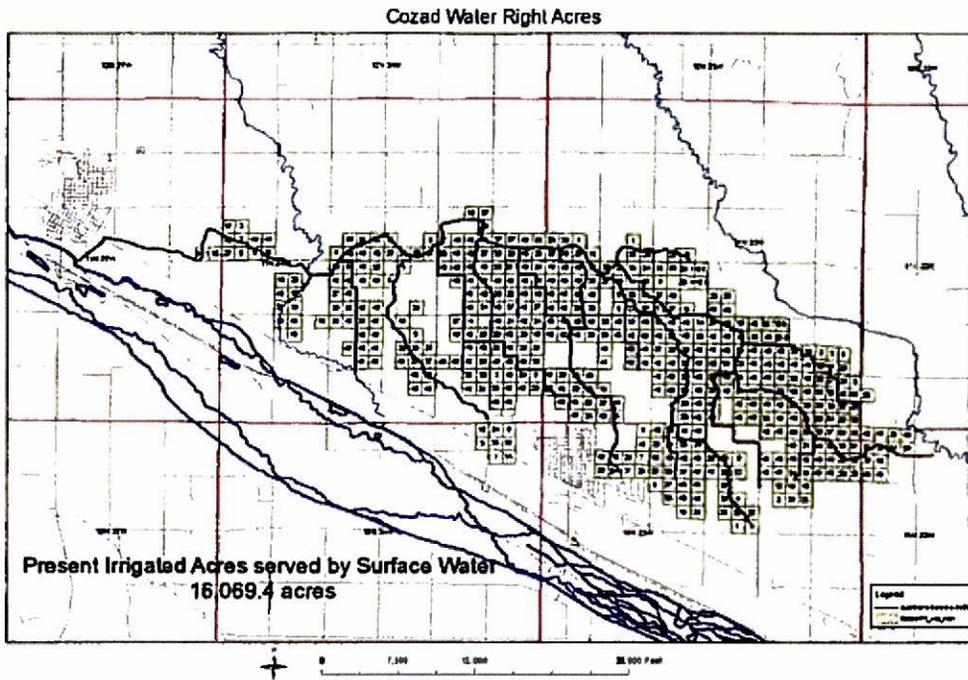


Figure 5 Cozad canal water right acres map.

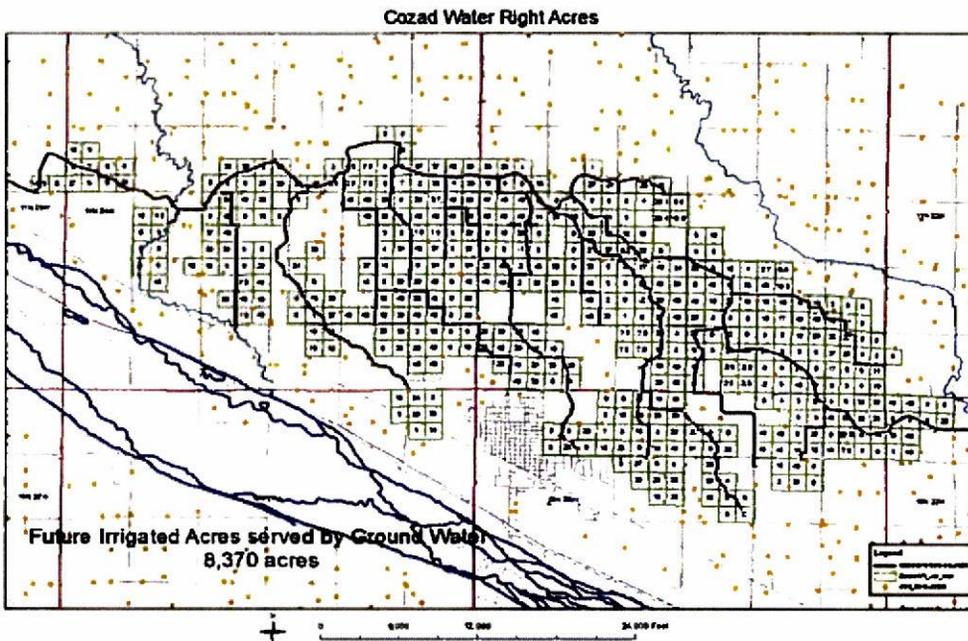


Figure 6 Cozad canal transfer acres and existing Groundwater wells.

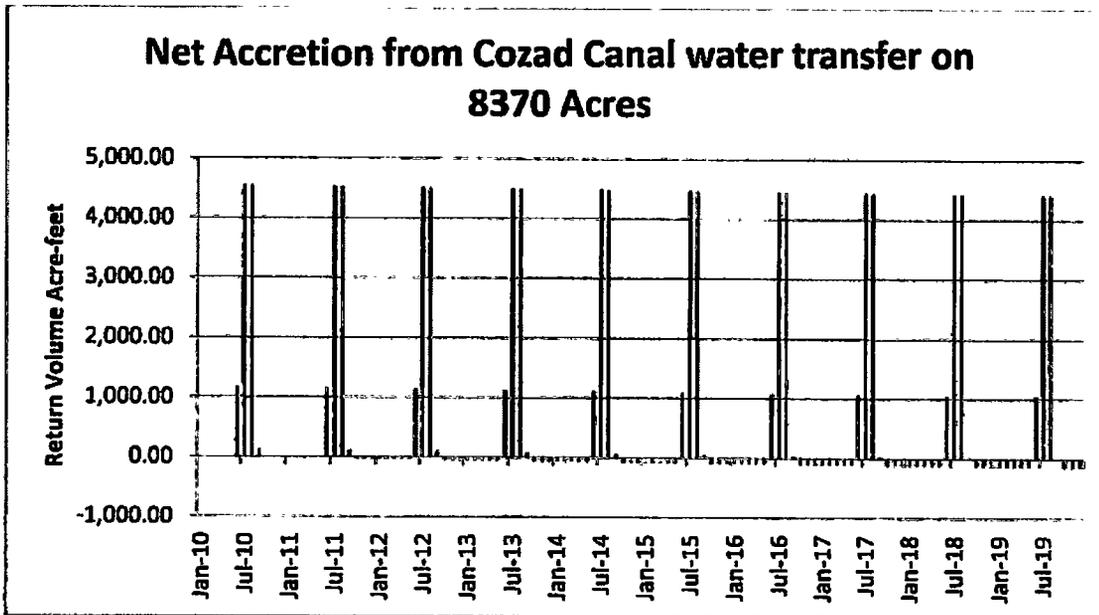


Figure 7 Monthly transfer results from example analysis

Table 2 Annual Summary of example analysis

Annual Calculations

Year	SW Rtn	GW Depl	Accretion
2010	10,421.15	54.97	10,366.18
2011	10,421.15	236.23	10,184.93
2012	10,421.15	425.95	9,995.20
2013	10,421.15	612.84	9,808.31
2014	10,421.15	793.03	9,628.12
2015	10,421.15	964.94	9,456.22
2016	10,421.15	1,127.98	9,293.17
2017	10,421.15	1,282.10	9,139.05
2018	10,421.15	1,427.52	8,993.63
2019	10,421.15	1,564.59	8,856.56

Attachment F
STREAMFLOW AUGMENTATION AGREEMENT

This Streamflow Augmentation Agreement ("Agreement") is made and entered into on this 6th day of February, 2014, 2015, between the CENTRAL PLATTE NATURAL RESOURCES DISTRICT ("CPNRD") and the TWIN PLATTE NATURAL RESOURCES DISTRICT ("TPNRD"), collectively referred to herein as the "Parties."

RECITALS

WHEREAS, CPNRD and TPNRD are political subdivisions of the State of Nebraska, duly authorized to engage in water management projects to augment streamflows;

WHEREAS, TPNRD and CPNRD are duly authorized to enter into contracts for purposes of water management;

WHEREAS, TPNRD and CPNRD have been charged, pursuant to the Platte River Recovery Implementation Program and state law, to augment the streamflow of the Platte River for state and local purposes;

WHEREAS, CPNRD is engaged in various water management activities that will augment the streamflow of the Platte River below the boundaries of the TPNRD;

WHEREAS, CPNRD and the State of Nebraska, Department of Natural Resources (NDNR) have entered into agreements for funding and use of the Cozad Canal Project, Thirty-Mile Project, and Orchard-Alfalfa Project to meet the goals and objectives of the CPNRD Integrated management Plan and the Nebraska New Depletion Plan; and

WHEREAS, CPNRD desires to provide up to 1,500 acre-feet of the augmented streamflow of the Platte River to TPNRD.

NOW THEREFORE, in consideration of the covenants, promises and representations contained herein, and for good and valuable consideration, the receipt and sufficiency of which both Parties acknowledge, the Parties agree as follows:

1. **Recitals**: The above recitals are true and correct and have been relied upon by the Parties hereto.
2. **Water to Be Provided**:
 - a. In accordance with the agreements between the NDNR and CPNRD, water that is available to be provided is subject to the terms of the agreements between the NDNR and CPNRD (Attachment A).
 - b. On or before March 1 of each year, TPNRD shall inform CPNRD of its desired amount of augmentation water, not to exceed 1500 acre-feet. CPNRD shall thereafter make reasonable good-faith efforts to augment the flows of the Platte River for TPNRD by means of enhanced ground water discharge to the Platte

River. Ground water discharge shall be enhanced by CPNRD using one or more of the following methods: a) Through its projects to rehabilitate aforementioned surface water irrigation canals; and b) Pursuant to appropriations from the State of Nebraska to divert water into aforementioned canals for the purpose of intentional recharge during periods when flows in the Platte River exceed those amounts required to satisfy existing water rights and state-protected flows; and/or c) surface water appropriations that were transferred to new locations of use. The amount of water provided to reduce shortages to the United States Fish and Wildlife Service established target flows and state-protected flows in the Platte River ("creditable water") in each year following the effective date of the Agreement shall be determined within sixty (60) days of the end of each calendar year, using a method agreed upon by the managers of CPNRD and TPNRD. Once the amount of stream flow augmentation for each year has been determined, CPNRD shall invoice TPNRD for payment.

3. **Credits For Provided Water:** All calculations of streamflow accretions, depletions, and creditable water due to the activities of this Agreement will be made in accordance with the terms of the TPNRD and CPNRD Joint Integrated Management Plans. To protect the public and integrity of this Agreement, the Parties agree that any creditable water (resulting credits from the balance of accretions and depletions) shall reduce the credits for streamflow enhancement credited to CPNRD in an amount proportional to that provided to TPNRD. Similarly, the Parties agree that any provided water shall increase the credits for streamflow enhancement to TPNRD in an amount proportional to that amount provided to TPNRD.

4. **Amount of Payment:** In the first year of this Agreement, TPNRD agrees to pay CPNRD \$35.00 per acre-foot of creditable water up to but not more than 1,500 acre-feet per calendar year. For the second year of this Agreement and for all subsequent years, CPNRD may increase the per acre-foot price on an annual rate not to exceed 7%. CPNRD will specify the price for water to be provided in the upcoming year no later than January 1 of each year. All payments shall be made by TPNRD to CPNRD within 60 days of the date of the invoice. If streamflows are not augmented in any particular year, TPNRD shall not be invoiced. Either party may terminate this Agreement at anytime by providing the other party 60 days written notice. Payment will still be made for creditable water already provided in the year of termination.

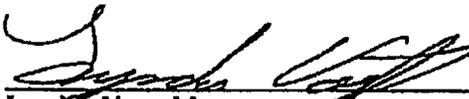
5. **Attribution of Augmented Streamflow:** The Parties agree that all amounts of augmented streamflows provided and paid for under this Agreement may be claimed only by TPNRD as credits against streamflow depletion offset or augmentation requirements established by the NDNR. The Parties acknowledge that the amount actually credited by NDNR may be different than the amount calculated by the Parties. It shall be the sole responsibility of TPNRD to reconcile any differences between the amount of streamflow augmentation water that may be credited by NDNR and the amount of augmentation water calculated by the Parties. Any such difference will not change or alter the amount to be paid by TPNRD to CPNRD pursuant to Paragraph 4 above.

6. **Term of Agreement:** The Agreement shall terminate on March 1, 2020, unless otherwise agreed to in writing by the Parties.

7. **Severability:** If any provision, term or clause in the Agreement is held unenforceable, then such provision will be modified to reflect the Parties' intention. All remaining provisions of this Agreement shall remain in full force and effect.

8. **Governing Law:** This Agreement shall be governed by and construed in accordance with the law of the State of Nebraska.

**CENTRAL PLATTE NATURAL
RESOURCES DISTRICT**


Lyndon Vogl, Manager
Central Platte Natural Resources District
215 N. Kaufman Ave.
Grand Island, NE 68803

**TWIN PLATTE NATURAL RESOURCES
DISTRICT**


Kent Miller, Manager
Twin Platte Natural Resources District
111 S. Dewey St.
North Platte, NE 69101

Attachment G
STREAMFLOW AUGMENTATION AGREEMENT

This Streamflow Augmentation Agreement ("Agreement") is made and entered into on this 6th day of December, 2013, between the CENTRAL PLATTE NATURAL RESOURCES DISTRICT ("CPNRD") and the TRI-BASIN NATURAL RESOURCES DISTRICT ("TBNRD"), collectively referred to herein as the "Parties."

RECITALS

WHEREAS, CPNRD and TBNRD are political subdivisions of the State of Nebraska, duly authorized to engage in water management projects to augment streamflows;

WHEREAS, TBNRD and CPNRD are duly authorized to enter into contracts for purposes of water management;

WHEREAS, TBNRD and CPNRD have been charged, pursuant to the Platte River Recovery Implementation Program and state law, to augment the streamflow of the Platte River for state and local purposes;

WHEREAS, CPNRD is engaged in various water management activities that will augment the streamflow of the Platte River within the boundaries of the TBNRD;

WHEREAS, CPNRD and the State of Nebraska, Department of Natural Resources (NDNR) have entered into agreements for funding and use of the Cozad Canal Project, Thirty-Mile Project, and Orchard-Alfalfa Project to meet the goals and objectives of the CPNRD Integrated management Plan (IMP) and the Nebraska New Depletion Plan (NNDP); and

WHEREAS, CPNRD desires to provide up to 2000 acre-feet of the augmented streamflow of the Platte River to TBNRD.

NOW THEREFORE, in consideration of the covenants, promises and representations contained herein, and for good and valuable consideration, the receipt and sufficiency of which both Parties acknowledge, the Parties agree as follows:

1. **Recitals**: The above recitals are true and correct and have been relied upon by the Parties hereto.
2. **Water to Be Provided**:
 - a. In accordance with the agreements between the NDNR and CPNRD, water that is available to be provided is subject to the terms of the agreements between the NDNR and CPNRD (Attachment A).
 - b. On or before March 1 of each year, TBNRD shall inform CPNRD of its desired amount of augmentation water, not to exceed 2000 acre-feet. CPNRD shall thereafter make reasonable good-faith efforts to augment the flows of the Platte River upstream of the boundaries of the TBNRD by means of enhanced ground

7. **Severability:** If any provision, term or clause in the Agreement is held unenforceable, then such provision will be modified to reflect the Parties' intention. All remaining provisions of this Agreement shall remain in full force and effect.

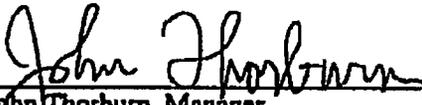
8. **Governing Law:** This Agreement shall be governed by and construed in accordance with the law of the State of Nebraska.

**CENTRAL PLATTE NATURAL
RESOURCES DISTRICT**



Lyndon Vogt, Manager
Central Platte Natural Resources District
215 N. Kaufman Ave.
Grand Island, NE 68803

**TRI-BASIN NATURAL RESOURCES
DISTRICT**



John Thorburn, Manager
Tri-Basin Natural Resources District
1723 North Burlington
Holdrege, NE 68949

Cozad Ditch Company water right D-626 and A-17002 Attachment – H

This attachment provides information to supplement SW Form # 200 – A. There is a SW Form #200 – A for each landowner that wish to transfer surface water to in stream use for tracts they own. Item 2. on the form ask for information on the history of use for the tracts listed. Farm delivery measurements and acres irrigated by year have never been recorded by the Cozad Ditch Company or landowners thus we are providing District wide information for the historic use the last 10 years. Table H-1 show data for 2005 thru 2015. The beginning and end dates the canal system diverted water for irrigation is shown along with beginning and ends dates for 2011 when excess flows were diverted under a temporary excess flow recharge water right. The acres irrigated for each year is shown as the water rights with the exception of 2014 and 2015 when landowners signed up 11,702 acres and 12,011.7 acres to transfer. Those acres using surface water in 2014 total 2,803 acres and those using surface water in 2015 total 2576.9. The 2015 acres by 40 acre tract that were using SW are shown in table H-2. For crop type the COHYST landuse data for 2006 thru 2010 was used. The total acres of Corn, Soybeans, Alfalfa, Small Grains, and Hay are shown for each year in table H-1 and for each tract in table H-3.

In addition, the maximum diversion rate for the canal and annual volume of water diverted is recorded in table H-1. The daily diversion rates are graphed in Figure H-1 which shows how use varies during the irrigation season. In general, the canal is flushed and filed before irrigation season with around 40 to 60 CFS. During the irrigations season late June to earlier September the diversion rate increases to 140 to 160 CFS. These data do not allow one to determine if the diversion rate of 1 CFS / 70 acres has been maintained, but the farm delivery turnouts typical do not allow for diversion to exceed this rate.

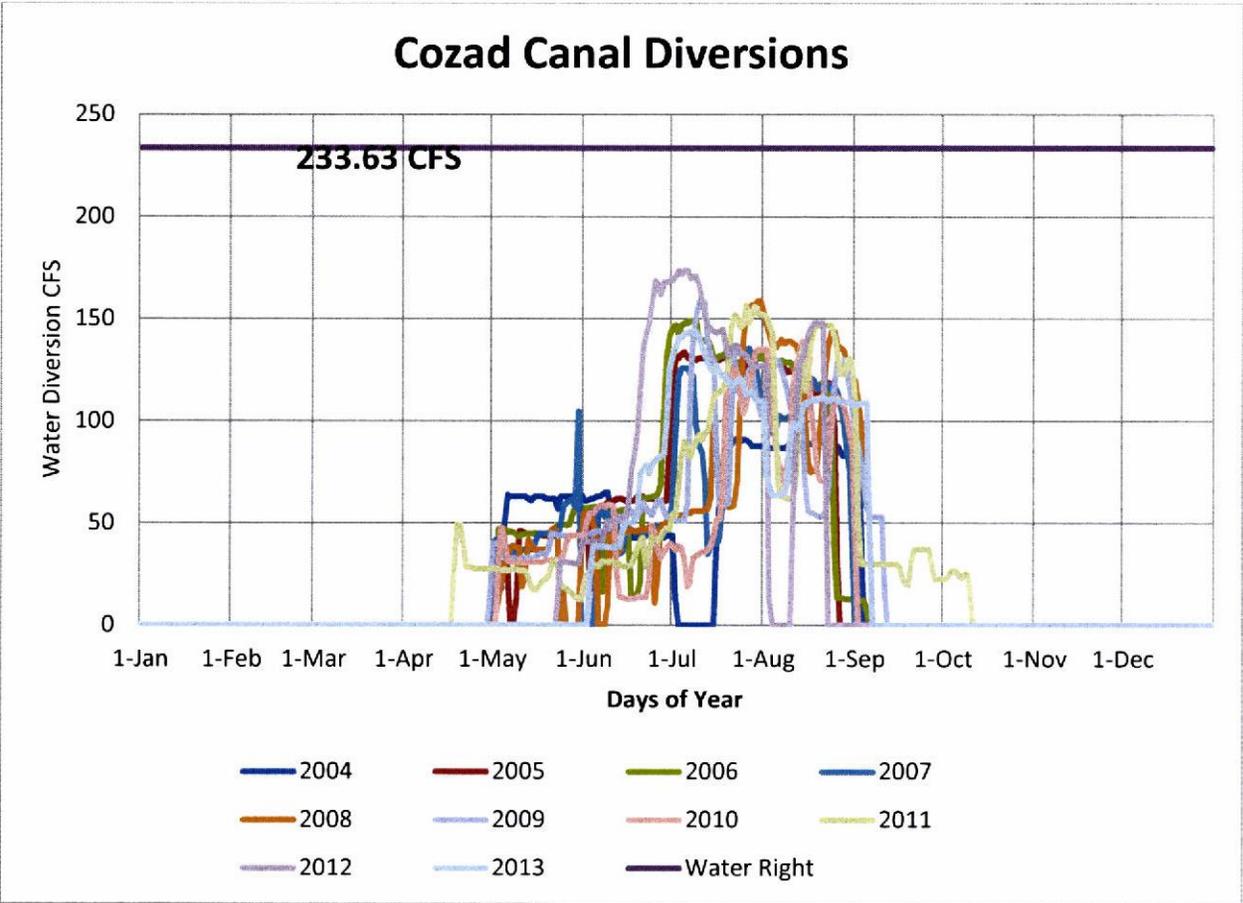


Figure H-1 Daily Diversions for Cozad Canal 2004 thru 2013

Table H-1 Cozad Canal Historic Water Use information										
Year	Irr -Begin	Irr - End	Acres Irrigated	Acres Corn	Acres Soybeans	Acres Alfalfa	Acres Small Grains	Acres Hay	Maximum Surface Water Diversion Rate CFS	Annual Surface Water Volume AF
2005	5/3/2005	8/31/2005	16074.4						134	19,809
2006	5/2/2006	8/28/2006	16074.4	9522	1359	5145	0	69	149	20,701
2007	5/1/2007	8/31/2007	16074.4	10176.2	924.3	4854.8	108.8	30.6	136	17,987
2008	5/2/2008	9/6/2008	16074.4	10013	2124	3881	0	77	159	17,832
2009	4/30/2009	9/6/2009	16074.4	9349	2732	3976	37	0	159	19,206
2010	5/3/2010	9/1/2010	16074.4	9955	3271	2830	39	0	139	14,995
2011	4/18/2011	10/3/2011	16074.4						157	21,113
2012	5/23/2012	8/9/2012	16074.4						174	18,576
2013	6/3/2013	9/5/2013	16074.4						144	18,196
2014	5/14/2014	9/11/2014	2803						134	15,836
2015	5/4/2015	10/10/2015	2578.2						135	23,494.5

Table H-2

CD_WR_Usage_2015

Appropriat	Usage_2015	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFarmdel	NFCPUse	NFarmrch
D626	U	SW SE S05 T10N-R23W	29.6	10.4	8.1	0.6	33.3	20	12
	U	NE SW S04 T10N-R23W	29.6	9.7	7.6	0.6	31	18.6	11.2
	U	SW NE S06 T10N-R22W	6.8	10	7.8	0.6	7.4	4.4	2.7
	U	NE NE S14 T11N-R24W	34	10.1	7.9	0.6	37.3	22.4	13.4
	U	SE SE S14 T11N-R24W	32.5	17.5	13.7	0.9	41.2	37.1	3.7
	U	NW NE S14 T11N-R24W	16.5	19.3	15.1	0.6	34.5	20.7	12.4
	U	SW SE S14 T11N-R24W	34.1	15.8	12.3	0.9	38.9	35	3.5
	U	NW SE S14 T11N-R24W	33.5	15.8	12.3	0.9	38.2	34.4	3.4
	U	SE SW S16 T11N-R24W	28	17.5	13.7	0.6	53.1	31.9	19.1
	U	NW SW S20 T11N-R24W	35.4	9.7	7.6	0.6	37.4	22.4	13.4
	U	NE SW S20 T11N-R24W	30.6	9.7	7.6	0.6	32.3	19.4	11.6
	U	SW SE S16 T11N-R24W	39.3	11.3	8.8	0.6	48.2	28.9	17.4
	U	SW SE S21 T11N-R24W	39.7	10	7.8	0.6	43.2	25.9	15.5
	U	NE NE S23 T11N-R24W	38.5	17.5	13.7	0.6	73.2	43.9	26.3
	U	NE NW S25 T11N-R24W	38.8	10.1	7.9	0.6	42.5	25.5	15.3
	U	SW SE S27 T11N-R24W	17.8	17.5	13.7	0.6	33.8	20.3	12.2
	U	NE NW S29 T11N-R24W	10	9.7	7.6	0.6	10.5	6.3	3.8
	U	SW NE S24	25.2	19.3	15.1	0.6	52.7	31.6	19

Table H-2 cont

Appropriat	Usage_2015	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFarmdel	NFCPUse	NFarmrch
	U	T11N-R24W SW SE S19	6.7	10.5	8.2	0.6	7.6	4.6	2.7
	U	T11N-R23W SW SE S19	26.8	10.5	8.2	0.6	30.5	18.3	11
	U	T11N-R23W SE NW S29	10	9.7	7.6	0.6	10.5	6.3	3.8
	U	T11N-R24W NW NW S29	10	19.3	15.1	0.6	20.9	12.5	7.5
	U	T11N-R24W NW SE S19	27.2	10.5	8.2	0.6	30.9	18.6	11.1
	U	T11N-R23W NW NE S20	22	10.1	7.9	0.6	24.1	14.5	8.7
	U	T11N-R23W SW NW S20	27.1	19.2	15	0.6	56.4	33.8	20.3
	U	T11N-R23W NE NW S21	38.2	12.2	9.5	0.6	50.7	30.4	18.2
	U	T11N-R23W SW SE S25	19.8	17.4	13.6	0.6	37.3	22.4	13.4
	U	T11N-R23W SW NE S20	2.5	10.1	7.9	0.6	2.7	1.6	1
	U	T11N-R23W NW NW S21	28.4	10.5	8.2	0.6	32.3	19.4	11.6
	U	T11N-R23W NW SW S21	5.4	13.6	10.6	0.9	5.3	4.8	0.5
	U	T11N-R23W SW SW S22	29.5	10.5	8.2	0.9	22.4	20.1	2
	U	T11N-R23W SE SW S22	39.6	10.5	8.2	0.9	30	27	2.7
	U	T11N-R23W SE NW S20	8.2	19.2	15	0.6	17.1	10.2	6.1
	U	T11N-R23W NE NE S20	5.5	10.1	7.9	0.6	6	3.6	2.2
	U	T11N-R23W NE SW S22	18.4	15.7	12.3	0.9	20.9	18.8	1.9
	U	T11N-R23W NW SE S25	4.7	10.1	7.9	0.6	5.2	3.1	1.9
	U	T11N-R23W SW NW S26	6.2	15.6	12.2	0.9	7	6.3	0.6

Table H-2 cont

Appropriat	Usage_2015	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPUse	Nffarmrch
U		NW NE S27 T11N-R23W	9	19.2	15	0.6	18.7	11.2	6.7
U		NW SW S28 T11N-R23W	18.2	10.5	8.2	0.9	13.8	12.4	1.2
U		SE SW S28 T11N-R23W	33.3	10.5	8.2	0.9	25.3	22.7	2.3
U		SW SW S28 T11N-R23W	20.3	10.5	8.2	0.9	15.4	13.9	1.4
U		SE SE S26 T11N-R23W	7.6	10	7.8	0.9	5.5	5	0.5
U		NW SW S27 T11N-R23W	1.2	9.7	7.6	0.9	0.8	0.8	0.1
U		SE NW S29 T11N-R23W	40.1	12.2	9.5	0.6	53.2	31.9	19.1
U		NW SE S29 T11N-R23W	40.2	10.1	7.9	0.6	44.1	26.4	15.9
U		NE NW S33 T11N-R23W	37.4	10.4	8.1	0.9	28.1	25.3	2.5
U		SW NE S33 T11N-R23W	19.5	19.2	15	0.6	40.6	24.3	14.6
U		NW NW S33 T11N-R23W	36.4	10.4	8.1	0.9	27.3	24.6	2.5
U		NE NW S29 T11N-R23W	38.8	12.2	9.5	0.6	51.4	30.9	18.5
U		SW SE S29 T11N-R23W	38.9	10.1	7.9	0.6	42.6	25.6	15.4
U		NE NE S34 T11N-R23W	1.8	10.5	8.2	0.9	1.4	1.2	0.1
U		NW NW S34 T11N-R23W	20.2	15.7	12.3	0.6	34.4	20.6	12.4
U		NE NW S34 T11N-R23W	39.9	15.7	12.3	0.6	67.9	40.8	24.5
U		SW NW S34 T11N-R23W	39.6	17.5	13.6	0.6	74.9	44.9	27
U		NE SE S35 T11N-R23W	28.8	17.4	13.6	0.6	54.4	32.6	19.6
U		SW NW S35 T11N-R23W	15	17.4	13.6	0.9	18.9	17	1.7
U		SW NW S35	14.6	17.4	13.6	0.9	18.4	16.6	1.7

Table H-2 cont

Appropriat	Usage_2015	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPUse	Nffarmrch
	U	T11N-R23W NW SE S35	14.7	17.4	13.6	0.6	27.8	16.7	10
	U	T11N-R23W NW NW S35	38.9	13.6	10.6	0.9	38.1	34.3	3.4
	U	T11N-R23W NE NW S35	39.4	15.3	11.9	0.9	43.6	39.2	3.9
	U	T11N-R23W SE SE S01	25.6	10	7.8	0.6	27.8	16.7	10
	U	T10N-R23W NW NE S02	5	10	7.8	0.9	3.6	3.3	0.3
	U	T10N-R23W SW SW S03	33.3	10	7.8	0.6	36.2	21.7	13
	U	T10N-R23W SE NW S04	24.4	9.7	7.6	0.6	25.6	15.4	9.2
	U	T10N-R23W SW SW S16	2.8	10	7.8	0.6	3	1.8	1.1
	U	T11N-R24W SW SW S20	27	9.7	7.6	0.6	28.5	17.1	10.3
	U	T11N-R24W SE SE S21	38.8	10	7.8	0.6	42.2	25.3	15.2
	U	T11N-R24W SE NE S24	24.8	10.1	7.9	0.6	27.2	16.3	9.8
	U	T11N-R24W SE SE S27	19.7	17.5	13.7	0.6	37.4	22.5	13.5
	U	T11N-R24W NE SW S28	41	9.7	7.6	0.9	28.7	25.8	2.6
	U	T11N-R24W NE SE S20	12.8	17.1	13.3	0.6	23.7	14.2	8.5
	U	T11N-R23W NW SW S22	18.5	17.5	13.6	0.9	23.3	21	2.1
	U	T11N-R23W SE NW S27	40.2	19.2	15	0.6	83.6	50.2	30.1
	U	T11N-R23W SE SW S27	1.2	10.1	7.9	0.9	0.9	0.8	0.1
	U	T11N-R23W NE NE S27	24.8	15.3	12	0.6	41.2	24.7	14.8
	U	T11N-R23W NE SW S31	38.9	19.2	15	0.6	80.9	48.5	29.1

Table H-2 cont

Appropriat	Usage_2015	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFfarmdel	NFCPUse	NFfarmrch
U		SE NW S33 T11N-R23W	37.5	10.4	8.1	0.9	28.2	25.4	2.5
U		SW NW S33 T11N-R23W	36.6	10.4	8.1	0.9	27.5	24.7	2.5
U		SE NW S34 T11N-R23W	40.2	10.1	7.9	0.6	44.1	26.4	15.9
U		SE NW S35 T11N-R23W	27.8	15.3	11.9	0.9	30.8	27.7	2.8
U		NW SW S04 T10N-R23W	40	9.7	7.6	0.6	41.9	25.2	15.1
U		SE SW S04 T10N-R23W	25.4	9.7	7.6	0.6	26.6	16	9.6
U		SE SE S05 T10N-R23W	18.4	10.4	8.1	0.6	20.7	12.4	7.5
U		SE SW S20 T11N-R24W	39	10.1	7.9	0.6	42.8	25.7	15.4
U		NE SW S03 T10N-R23W	25.6	9.3	7.3	0.6	25.8	15.5	9.3
U		NE SW S16 T11N-R24W	0.7	10	7.8	0.6	0.8	0.5	0.3
U		NW SE S19 T11N-R23W	12.9	10.5	8.2	0.6	14.7	8.8	5.3
U		NE SW S27 T11N-R23W	1.1	9.7	7.6	0.9	0.8	0.7	0.1
U		NW SE S27 T11N-R23W	6.1	14	10.9	0.9	6.2	5.5	0.6
U		SW SE S27 T11N-R23W	1.7	10.5	8.2	0.9	1.3	1.2	0.1
U		NE SW S28 T11N-R23W	34.5	10.5	8.2	0.9	26.2	23.5	2.4
U		SE NE S06 T10N-R22W	12.2	10	7.8	0.6	13.3	8	4.8
U		NE SE S01 T10N-R23W	24.4	10	7.8	0.6	26.5	15.9	9.6
U		SE NE S01 T10N-R23W	4.9	10.4	8.1	0.9	3.7	3.3	0.3
U		SE NE S14 T11N-R24W	8.7	17.5	13.7	0.6	16.5	9.9	6
U		NE SW S24	5.6	17.5	13.7	0.9	7.1	6.4	0.6

Table H-2 cont

Appropriat	Usage_2015	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPUse	Nffarmrch
		T11N-R24W							
	U	NE SE S19	7.1	10.5	8.2	0.6	8.1	4.8	2.9
		T11N-R23W							
	U	NW SW S28	8	10.5	8.2	0.9	6.1	5.5	0.5
		T11N-R23W							
	U	SW SW S28	13	10.5	8.2	0.9	9.9	8.9	0.9
		T11N-R23W							
	U	NE NW S27	9	17.5	13.6	0.6	17	10.2	6.1
		T11N-R23W							
	U	SE SW S36	5.6	13.9	10.8	0.6	8.4	5.1	3
		T11N-R23W							
	U	NW SW S03	21.8	10	7.8	0.6	23.7	14.2	8.5
		T10N-R23W							
	U	SW SW S04	14.8	13.2	10.3	0.6	21.2	12.7	7.6
		T10N-R23W							
	U	NW NE S23	9.3	8.9	6.9	0.6	8.9	5.4	3.2
		T11N-R24W							
	U	SE SE S19	2.6	10.5	8.2	0.6	3	1.8	1.1
		T11N-R23W							
	U	SE SW S03	5.7	15.3	11.9	0.6	9.5	5.7	3.4
		T10N-R23W							
	U	NW SE S16	11.6	12.7	9.9	0.6	16	9.6	5.8
		T11N-R24W							
	U	SW NE S14	13.3	15.8	12.3	0.6	22.7	13.6	8.2
		T11N-R24W							
	U	SW SW S36	3.3	13.9	10.8	0.9	3.3	3	0.3
		T11N-R23W							
	U	SE SE S14	6.6	17.5	13.7	0.9	8.4	7.5	0.8
		T11N-R24W							
	U	NW SE S14	5.8	15.8	12.3	0.9	6.6	5.9	0.6
		T11N-R24W							
	U	NE SE S14	27.3	17.5	13.7	0.9	34.6	31.1	3.1
		T11N-R24W							
	U	NE SE S14	8.1	17.5	13.7	0.9	10.3	9.2	0.9
		T11N-R24W							
	U	SW NW S20	2.9	15.1	11.8	0.6	4.7	2.8	1.7
		T11N-R24W							
	U	NW NW S20	13.7	13.7	10.7	0.6	20.3	12.2	7.3
		T11N-R24W							

Table H-2 cont

Appropriat	Usage_2015	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	NFarmdel	NFCPUse	NFarmrch
U		NW SE S27 T11N-R24W	5.7	10.1	7.9	0.9	4.2	3.7	0.4
U		NE SE S27 T11N-R24W	5.6	10.5	8.2	0.9	4.2	3.8	0.4
U		SE NE S14 T11N-R24W	2.4	17.5	13.7	0.6	4.6	2.7	1.6
U		SE NE S14 T11N-R24W	19.3	17.5	13.7	0.6	36.7	22	13.2
U		SE NE S34 T11N-R23W	1.7	19.2	15	0.9	2.4	2.1	0.2
U		NW NE S34 T11N-R23W	11	10.5	8.2	0.9	8.3	7.5	0.8
U		SW NE S34 T11N-R23W	5.5	19.2	15	0.9	7.6	6.9	0.7
U		SE NE S14 T11N-R24W	1.7	17.5	13.7	0.6	3.2	1.9	1.2
U		NW SW S14 T11N-R24W	13.7	10.1	7.9	0.9	10	9	0.9
U		SE SW S19 T11N-R23W	3.7	9.7	7.6	0.9	2.6	2.3	0.2
U		SE SW S19 T11N-R23W	1.8	9.7	7.6	0.9	1.3	1.1	0.1
U		NW SW S19 T11N-R23W	6	10.1	7.9	0.9	4.4	3.9	0.4
U		NE SW S19 T11N-R23W	5.6	9.7	7.6	0.9	3.9	3.5	0.4
U		SW SW S19 T11N-R23W	6.1	10.1	7.9	0.9	4.5	4	0.4
U		SW SW S14 T11N-R24W	9.7	10.5	8.2	0.9	7.4	6.6	0.7
U		NE NE S29 T11N-R23W	16.3	10.5	8.2	0.6	18.5	11.1	6.7
U		NE NE S29 T11N-R23W	15.7	10.5	8.2	0.6	17.9	10.7	6.4
U		SW SW S21 T11N-R23W	6.1	10.1	7.9	0.6	6.7	4	2.4
U		NE NW S33 T11N-R23W	2.2	10.4	8.1	0.9	1.7	1.5	0.1
U		SW SE S17	2	9.8	7.6	0.9	1.4	1.3	0.1

Table H-2 cont

Appropriat	Usage_2015	LegalDescr	Rnd_Acres	CPwtCIR	NFCPwtCIF	FarmEff	Nffarmdel	NFCPUse	Nffarmrch
	U	T11N-R23W SE SE S18	5.1	9.7	7.6	0.9	3.6	3.2	0.3
	U	T11N-R24W NW NW S01	3.5	10.4	8.1	0.6	3.9	2.4	1.4
	U	T10N-R23W NE NW S01	2.8	10.4	8.1	0.6	3.2	1.9	1.1
	U	T10N-R23W NE NW S01	2.2	10.4	8.1	0.6	2.5	1.5	0.9
Sum Rnd_Acres	2576.9	Average CPwtCIR 12.8		Average NFCPwtCIR	10	Average FarmEff	0.718705		
Sum Nffarmdel	3179.4	Sum NFCPUse 2140.1							

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
NW NW S06 T10N-R22W	39.3	1	1	3	3	5
NE NW S06 T10N-R22W	40.5	1	1	3	3	5
SW NW S06 T10N-R22W	34.9	3	3	3	3	5
SE NW S06 T10N-R22W	38.0	3	3	1	1	1
NW NE S06 T10N-R22W	39.5	3	3	3	3	3
NE NE S06 T10N-R22W	39.2	3	3	3	3	3
SW NE S06 T10N-R22W	26.8	3	3	3	5	3
SW NE S06 T10N-R22W	6.8	3	3	3	5	3
SE NE S06 T10N-R22W	25.8	3	3	3	5	3
SE NE S06 T10N-R22W	12.2	3	3	3	5	3
NW SW S06 T10N-R22W	38.0	3	3	3	3	3
NE SW S06 T10N-R22W	40.3	3	3	3	3	3
SW SW S06 T10N-R22W	37.5	3	3	3	3	3
SE SW S06 T10N-R22W	39.5	3	3	3	3	3
NW NW S01 T10N-R23W	3.5	3	3	3	3	3
NW NW S01 T10N-R23W	1.2	3	3	3	3	3
NW NW S01 T10N-R23W	27.4	3	3	3	3	3
NE NW S01 T10N-R23W	28.0	3	3	3	3	3
NE NW S01 T10N-R23W	2.8	3	3	3	3	3
NE NW S01 T10N-R23W	2.2	3	3	3	3	3
SW NW S01 T10N-R23W	34.4	3	3	3	5	3
SE NW S01 T10N-R23W	33.0	3	3	3	1	3
NW NE S01 T10N-R23W	34.8	3	3	3	3	3
NE NE S01 T10N-R23W	34.5	3	3	3	3	3
SW NE S01 T10N-R23W	35.3	3	3	3	3	3
SE NE S01 T10N-R23W	30.1	3	3	3	3	3
SE NE S01 T10N-R23W	4.9	3	3	3	3	3
NW SW S01 T10N-R23W	35.1	3	3	3	5	3
NE SW S01 T10N-R23W	34.2	3	3	3	5	3
NE SW S01 T10N-R23W	1.9	3	3	3	5	3
SW SW S01 T10N-R23W	34.5	3	3	1	1	1
SE SW S01 T10N-R23W	35.2	3	3	3	5	3
NW SE S01 T10N-R23W	3.8	3	3	3	3	3
NW SE S01 T10N-R23W	27.7	3	3	3	3	3
NW SE S01 T10N-R23W	2.4	3	3	3	3	3
NE SE S01 T10N-R23W	24.4	5	3	3	3	3
NE SE S01 T10N-R23W	8.9	5	3	3	3	3
SW SE S01 T10N-R23W	29.0	3	3	3	3	3
SW SE S01 T10N-R23W	5.6	3	3	3	3	3
SE SE S01 T10N-R23W	5.7	5	3	3	3	3
SE SE S01 T10N-R23W	25.6	5	3	3	3	3
NW NW S02 T10N-R23W	38.2	3	3	3	3	3
NE NW S02 T10N-R23W	39.3	3	3	3	3	3

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
NW NE S02 T10N-R23W	34.4	3	3	3	3	5
NW NE S02 T10N-R23W	5.0	3	3	3	3	5
NE NE S02 T10N-R23W	29.0	3	3	3	3	5
NE NE S02 T10N-R23W	7.0	3	3	3	3	5
SW NE S02 T10N-R23W	23.1	1	1	3	3	5
SW NE S02 T10N-R23W	16.5	1	1	3	3	5
SE NE S02 T10N-R23W	13.2	1	1	1	1	1
SE NE S02 T10N-R23W	16.7	1	1	1	1	1
NW SW S02 T10N-R23W	38.7	1	3	3	3	3
NE SW S02 T10N-R23W	39.7	3	3	3	3	3
SW SW S02 T10N-R23W	38.0	1	3	3	3	3
SE SW S02 T10N-R23W	38.7	3	3	3	3	3
NW SE S02 T10N-R23W	39.6	3	3	5	3	3
NE SE S02 T10N-R23W	39.2	1	1	1	3	3
SW SE S02 T10N-R23W	33.3	3	3	5	3	3
SE SE S02 T10N-R23W	32.8	1	1	1	3	3
NW SW S03 T10N-R23W	21.8	3	5	3	3	3
NW SW S03 T10N-R23W	13.2	3	5	3	3	3
NE SW S03 T10N-R23W	25.6	5	3	5	3	5
NE SW S03 T10N-R23W	10.1	5	3	5	3	5
NE SW S03 T10N-R23W	3.9	5	3	5	3	5
SW SW S03 T10N-R23W	5.2	3	3	5	3	3
SW SW S03 T10N-R23W	33.3	3	3	5	3	3
SE SW S03 T10N-R23W	7.1	3	5	1	1	1
SE SW S03 T10N-R23W	15.2	3	5	1	1	1
SE SW S03 T10N-R23W	9.9	3	5	1	1	1
SE SW S03 T10N-R23W	5.7	3	5	1	1	1
SW SE S03 T10N-R23W	23.4	1	1	1	1	3
NW NW S04 T10N-R23W	39.0	3	3	3	3	5
NE NW S04 T10N-R23W	39.8	3	3	3	3	5
SW NW S04 T10N-R23W	37.2	5	3	5	3	3
SE NW S04 T10N-R23W	16.2	5	3	5	3	3
SE NW S04 T10N-R23W	24.4	5	3	5	3	3
NW NE S04 T10N-R23W	39.7	3	3	3	3	5
NE NE S04 T10N-R23W	38.9	3	3	3	3	5
SW NE S04 T10N-R23W	40.6	3	3	3	3	5
SE NE S04 T10N-R23W	38.4	3	3	3	3	5
NW SW S04 T10N-R23W	40.0	3	5	3	5	3
NE SW S04 T10N-R23W	29.6	3	5	3	5	3
NE SW S04 T10N-R23W	11.3	3	5	3	5	3
SW SW S04 T10N-R23W	25.1	1	3	5	1	5
SW SW S04 T10N-R23W	14.8	1	3	5	1	5
SE SW S04 T10N-R23W	25.4	3	3	5	3	5

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SE SW S04 T10N-R23W	12.2	3	3	5	3	5
NW SE S04 T10N-R23W	40.9	3	3	3	3	5
NE SE S04 T10N-R23W	40.2	3	3	3	3	5
SW SE S04 T10N-R23W	27.6	3	3	3	3	5
SE SE S04 T10N-R23W	38.7	3	3	3	3	5
NW NE S05 T10N-R23W	31.5	1	1	1	3	1
NE NE S05 T10N-R23W	9.0	3	3	3	3	3
SW NE S05 T10N-R23W	40.5	1	1	1	1	1
SE NE S05 T10N-R23W	39.6	3	3	3	5	3
NW SW S05 T10N-R23W	39.3	1	1	1	1	1
NE SW S05 T10N-R23W	40.1	1	1	1	1	1
SW SW S05 T10N-R23W	37.4	1	1	1	1	1
SE SW S05 T10N-R23W	12.4	1	1	1	1	1
SE SW S05 T10N-R23W	7.6	1	1	1	1	1
NW SE S05 T10N-R23W	34.8	3	3	3	3	3
NE SE S05 T10N-R23W	5.1	5	3	3	5	3
SW SE S05 T10N-R23W	29.6	3	3	3	3	3
SW SE S05 T10N-R23W	7.7	3	3	3	3	3
SE SE S05 T10N-R23W	18.4	3	3	3	3	3
SE SE S05 T10N-R23W	19.2	3	3	3	3	3
NW NW S09 T10N-R23W	8.1	1	1	1	1	1
NE NW S09 T10N-R23W	39.0	3	3	3	1	3
SE NW S09 T10N-R23W	35.7	1	1	3	1	3
NW NE S09 T10N-R23W	40.0	3	3	3	3	5
NE NE S09 T10N-R23W	39.6	3	3	3	3	5
SW NE S09 T10N-R23W	40.4	3	3	3	3	5
SE NE S09 T10N-R23W	40.0	3	3	3	3	5
NE SW S09 T10N-R23W	1.3	35	35	35	35	35
NW SE S09 T10N-R23W	12.6	3	3	3	3	5
NE SE S09 T10N-R23W	35.7	1	1	1	3	5
SE SE S09 T10N-R23W	0.8	1	1	1	3	5
NE NW S10 T10N-R23W	36.9	1	1	5	3	3
SE NW S10 T10N-R23W	36.0	3	3	5	3	3
SW NE S10 T10N-R23W	4.0	5	3	3	3	5
NE SW S10 T10N-R23W	36.7	3	3	3	3	3
NE NW S11 T10N-R23W	12.5	1	1	1	1	1
SE NW S11 T10N-R23W	2.0	1	1	1	1	1
NW NE S11 T10N-R23W	39.0	3	3	3	5	3
NE NE S11 T10N-R23W	38.2	3	3	3	3	5
SW NE S11 T10N-R23W	31.7	3	3	3	5	3
SE NE S11 T10N-R23W	22.6	3	3	3	3	5
NW NW S01 T10N-R24W	34.9	1	1	1	1	1
NE NW S01 T10N-R24W	4.8	11	3	1	1	1

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SW NW S01 T10N-R24W	34.6	1	1	1	1	1
SE NW S01 T10N-R24W	33.7	11	1	1	1	1
NW SW S01 T10N-R24W	0.8	1	1	1	1	3
NE SW S01 T10N-R24W	13.3	1	1	1	1	1
SW NW S31 T11N-R22W	27.9	3	3	5	5	5
SE SW S16 T11N-R23W	28.0	1	1	1	3	3
SW SE S16 T11N-R23W	9.0	3	3	3	3	3
NW SE S17 T11N-R23W	1.0	1	1	3	3	5
SW SE S17 T11N-R23W	33.0	3	5	3	3	5
SW SE S17 T11N-R23W	2.0	3	5	3	3	5
SE SE S17 T11N-R23W	29.0	3	5	3	3	5
NW SW S18 T11N-R23W	32.7	3	5	3	3	3
NE SW S18 T11N-R23W	38.7	5	3	3	5	3
SW SW S18 T11N-R23W	36.0	3	3	3	3	3
SE SW S18 T11N-R23W	38.0	3	3	3	3	3
NW SE S18 T11N-R23W	1.1	3	3	5	3	5
SW SE S18 T11N-R23W	30.2	5	7	5	3	5
SE SE S18 T11N-R23W	13.0	3	3	5	3	5
NW NW S19 T11N-R23W	38.5	3	3	5	3	3
NE NW S19 T11N-R23W	39.2	5	3	3	5	3
SW NW S19 T11N-R23W	39.4	3	3	5	3	3
SE NW S19 T11N-R23W	39.2	5	3	3	5	3
NW NE S19 T11N-R23W	34.9	3	5	3	3	5
NW NE S19 T11N-R23W	3.9	3	5	3	3	5
NE NE S19 T11N-R23W	11.0	1	1	1	1	1
NE NE S19 T11N-R23W	24.2	1	1	1	1	1
SW NE S19 T11N-R23W	35.6	3	5	3	3	5
SW NE S19 T11N-R23W	4.1	3	5	3	3	5
SE NE S19 T11N-R23W	2.8	1	1	1	1	1
SE NE S19 T11N-R23W	35.0	1	1	1	1	1
NW SW S19 T11N-R23W	33.5	3	3	3	5	3
NW SW S19 T11N-R23W	6.0	3	3	3	5	3
NE SW S19 T11N-R23W	2.5	5	3	3	3	5
NE SW S19 T11N-R23W	28.4	5	3	3	3	5
NE SW S19 T11N-R23W	2.0	5	3	3	3	5
NE SW S19 T11N-R23W	5.6	5	3	3	3	5
SW SW S19 T11N-R23W	32.7	3	3	3	5	3
SW SW S19 T11N-R23W	6.1	3	3	3	5	3
SE SW S19 T11N-R23W	5.8	5	3	3	3	5
SE SW S19 T11N-R23W	25.7	5	3	3	3	5
SE SW S19 T11N-R23W	3.7	5	3	3	3	5
SE SW S19 T11N-R23W	1.8	5	3	3	3	5
NW SE S19 T11N-R23W	27.2	3	3	3	3	3

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
NW SE S19 T11N-R23W	12.9	3	3	3	3	3
NE SE S19 T11N-R23W	32.1	3	3	3	3	3
NE SE S19 T11N-R23W	7.1	3	3	3	3	3
SW SE S19 T11N-R23W	6.7	3	3	3	3	3
SW SE S19 T11N-R23W	26.8	3	3	3	3	3
SE SE S19 T11N-R23W	34.7	3	3	3	3	3
SE SE S19 T11N-R23W	2.6	3	3	3	3	3
NW NW S20 T11N-R23W	28.2	1	1	1	1	1
NW NW S20 T11N-R23W	7.8	1	1	1	1	1
NE NW S20 T11N-R23W	36.1	1	1	1	1	3
NE NW S20 T11N-R23W	0.3	1	1	1	1	3
SW NW S20 T11N-R23W	27.1	1	1	1	1	1
SW NW S20 T11N-R23W	10.2	1	1	1	1	1
SE NW S20 T11N-R23W	11.6	1	1	1	1	1
SE NW S20 T11N-R23W	18.2	1	1	1	1	1
SE NW S20 T11N-R23W	8.2	1	1	1	1	1
NW NE S20 T11N-R23W	17.0	3	3	3	5	3
NW NE S20 T11N-R23W	22.0	3	3	3	5	3
NE NE S20 T11N-R23W	27.8	3	3	3	3	5
NE NE S20 T11N-R23W	5.5	3	3	3	3	5
SW NE S20 T11N-R23W	8.1	3	3	3	5	3
SW NE S20 T11N-R23W	2.5	3	3	3	5	3
SE NE S20 T11N-R23W	30.4	3	3	3	3	5
NE SW S20 T11N-R23W	10.2	1	1	1	3	1
NW SE S20 T11N-R23W	19.0	3	1	1	1	1
NW SE S20 T11N-R23W	19.7	3	1	1	1	1
NW SE S20 T11N-R23W	0.3	3	1	1	1	1
NE SE S20 T11N-R23W	9.2	5	1	1	1	1
NE SE S20 T11N-R23W	13.6	5	1	1	1	1
NE SE S20 T11N-R23W	12.8	5	1	1	1	1
SW SE S20 T11N-R23W	19.9	5	1	1	1	1
SW SE S20 T11N-R23W	9.0	5	1	1	1	1
SW SE S20 T11N-R23W	9.7	5	1	1	1	1
SE SE S20 T11N-R23W	25.1	3	3	1	1	3
SE SE S20 T11N-R23W	13.3	3	3	1	1	3
NW NW S21 T11N-R23W	4.3	3	3	3	3	3
NW NW S21 T11N-R23W	28.4	3	3	3	3	3
NE NW S21 T11N-R23W	38.2	3	3	3	1	3
NE NW S21 T11N-R23W	0.8	3	3	3	1	3
SW NW S21 T11N-R23W	34.9	3	3	5	3	3
SE NW S21 T11N-R23W	36.3	3	3	5	3	3
NW NE S21 T11N-R23W	18.6	3	3	3	3	3
NE NE S21 T11N-R23W	2.7	3	3	3	3	3

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SW NE S21 T11N-R23W	20.4	1	1	3	1	1
SE NE S21 T11N-R23W	18.6	3	3	3	3	3
NW SW S21 T11N-R23W	5.4	1	1	3	3	5
NW SW S21 T11N-R23W	28.1	1	1	3	3	5
NW SW S21 T11N-R23W	2.9	1	1	3	3	5
NE SW S21 T11N-R23W	39.7	1	1	3	3	5
SW SW S21 T11N-R23W	5.0	3	3	3	3	5
SW SW S21 T11N-R23W	0.8	3	3	3	3	5
SW SW S21 T11N-R23W	21.7	3	3	3	3	5
SW SW S21 T11N-R23W	6.1	3	3	3	3	5
SE SW S21 T11N-R23W	34.1	3	3	3	3	5
SE SW S21 T11N-R23W	2.4	3	3	3	3	5
SW SE S21 T11N-R23W	5.2	3	3	3	3	5
SW SE S21 T11N-R23W	1.1	3	3	3	3	5
NW SW S22 T11N-R23W	4.2	1	1	1	1	3
NW SW S22 T11N-R23W	18.5	1	1	1	1	3
NE SW S22 T11N-R23W	18.4	1	1	1	3	3
SW SW S22 T11N-R23W	9.4	3	3	3	3	3
SW SW S22 T11N-R23W	29.5	3	3	3	3	3
SE SW S22 T11N-R23W	39.6	3	3	3	3	3
NW SW S25 T11N-R23W	3.0	1	1	1	1	3
NE SW S25 T11N-R23W	3.0	1	1	1	1	3
SW SW S25 T11N-R23W	16.9	1	1	1	1	1
SW SW S25 T11N-R23W	13.6	1	1	1	1	1
SE SW S25 T11N-R23W	12.5	1	1	1	1	1
SE SW S25 T11N-R23W	7.1	1	1	1	1	1
SE SW S25 T11N-R23W	13.5	1	1	1	1	1
NW SE S25 T11N-R23W	4.7	3	3	5	3	3
SW SE S25 T11N-R23W	19.8	1	1	1	3	1
SW SE S25 T11N-R23W	8.0	1	1	1	3	1
NW NW S26 T11N-R23W	33.0	1	1	1	3	3
NE NW S26 T11N-R23W	5.8	1	1	1	3	3
NE NW S26 T11N-R23W	5.3	1	1	1	3	3
SW NW S26 T11N-R23W	33.0	1	1	1	3	3
SW NW S26 T11N-R23W	6.2	1	1	1	3	3
SE NW S26 T11N-R23W	36.8	1	1	1	3	3
NW SW S26 T11N-R23W	39.3	3	3	3	3	3
NE SW S26 T11N-R23W	39.9	1	1	3	3	3
SW SW S26 T11N-R23W	38.7	3	3	3	3	3
SE SW S26 T11N-R23W	39.2	1	1	3	3	3
NW SE S26 T11N-R23W	40.0	1	1	1	3	3
NE SE S26 T11N-R23W	39.2	3	3	5	5	3
SW SE S26 T11N-R23W	39.2	1	3	5	3	3

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SE SE S26 T11N-R23W	30.8	5	3	3	3	3
SE SE S26 T11N-R23W	7.6	5	3	3	3	3
NW NW S27 T11N-R23W	36.4	1	1	1	1	1
NE NW S27 T11N-R23W	28.0	1	1	1	1	3
NE NW S27 T11N-R23W	9.0	1	1	1	1	3
SW NW S27 T11N-R23W	39.7	1	1	1	1	1
SE NW S27 T11N-R23W	40.2	1	1	1	1	1
NW NE S27 T11N-R23W	9.0	1	1	1	1	1
NW NE S27 T11N-R23W	21.3	1	1	1	1	1
NW NE S27 T11N-R23W	5.4	1	1	1	1	1
NE NE S27 T11N-R23W	24.8	1	1	3	5	1
NE NE S27 T11N-R23W	14.5	1	1	3	5	1
SW NE S27 T11N-R23W	6.8	3	3	3	1	1
SW NE S27 T11N-R23W	21.3	3	3	3	1	1
SW NE S27 T11N-R23W	3.2	3	3	3	1	1
SW NE S27 T11N-R23W	6.1	3	3	3	1	1
SE NE S27 T11N-R23W	27.0	3	3	5	3	5
SE NE S27 T11N-R23W	10.8	3	3	5	3	5
NW SW S27 T11N-R23W	25.3	3	5	3	5	3
NW SW S27 T11N-R23W	1.2	3	5	3	5	3
NW SW S27 T11N-R23W	13.1	3	5	3	5	3
NE SW S27 T11N-R23W	25.4	5	3	3	5	3
NE SW S27 T11N-R23W	1.1	5	3	3	5	3
NE SW S27 T11N-R23W	13.5	5	3	3	5	3
SW SW S27 T11N-R23W	25.6	3	5	3	5	3
SW SW S27 T11N-R23W	12.3	3	5	3	5	3
SE SW S27 T11N-R23W	24.4	3	3	3	5	3
SE SW S27 T11N-R23W	1.2	3	3	3	5	3
SE SW S27 T11N-R23W	9.6	3	3	3	5	3
NW SE S27 T11N-R23W	31.8	1	1	3	3	3
NW SE S27 T11N-R23W	6.1	1	1	3	3	3
NE SE S27 T11N-R23W	39.4	3	3	3	3	3
SW SE S27 T11N-R23W	31.9	3	3	3	3	3
SW SE S27 T11N-R23W	1.7	3	3	3	3	3
SE SE S27 T11N-R23W	38.8	3	3	3	3	3
NW NW S28 T11N-R23W	31.8	3	3	3	3	3
NE NW S28 T11N-R23W	39.8	3	3	5	3	3
SW NW S28 T11N-R23W	39.3	5	3	3	3	3
SE NW S28 T11N-R23W	37.4	3	3	5	3	3
NW NE S28 T11N-R23W	40.0	3	3	3	5	3
NE NE S28 T11N-R23W	36.7	3	3	3	5	3
SW NE S28 T11N-R23W	40.3	3	3	3	5	3
SE NE S28 T11N-R23W	39.9	3	3	3	5	3

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
NW SW S28 T11N-R23W	18.2	3	3	3	3	3
NW SW S28 T11N-R23W	8.0	3	3	3	3	3
NW SW S28 T11N-R23W	4.3	3	3	3	3	3
NW SW S28 T11N-R23W	2.6	3	3	3	3	3
NW SW S28 T11N-R23W	1.9	3	3	3	3	3
NE SW S28 T11N-R23W	34.5	3	3	3	3	3
NE SW S28 T11N-R23W	4.6	3	3	3	3	3
SW SW S28 T11N-R23W	5.6	3	3	3	3	3
SW SW S28 T11N-R23W	20.3	3	3	3	3	3
SW SW S28 T11N-R23W	13.0	3	3	3	3	3
SE SW S28 T11N-R23W	33.3	3	3	3	3	3
SE SW S28 T11N-R23W	6.0	3	3	3	3	3
NW SE S28 T11N-R23W	38.8	3	3	3	3	3
NE SE S28 T11N-R23W	39.9	3	3	3	3	3
SW SE S28 T11N-R23W	36.8	3	3	3	3	3
SE SE S28 T11N-R23W	39.0	3	3	3	3	3
NW NW S29 T11N-R23W	35.5	3	3	3	3	3
NE NW S29 T11N-R23W	38.8	1	3	3	3	3
SW NW S29 T11N-R23W	36.2	3	3	3	3	3
SE NW S29 T11N-R23W	40.1	1	3	3	3	3
NW NE S29 T11N-R23W	36.5	5	3	3	3	3
NE NE S29 T11N-R23W	22.8	3	3	3	3	3
NE NE S29 T11N-R23W	16.3	3	3	3	3	3
NE NE S29 T11N-R23W	15.7	3	3	3	3	3
SW NE S29 T11N-R23W	40.2	5	3	3	3	3
SE NE S29 T11N-R23W	23.4	3	3	3	3	3
NW SW S29 T11N-R23W	39.5	3	3	3	3	3
SW SW S29 T11N-R23W	38.8	1	3	1	3	3
NW SE S29 T11N-R23W	40.2	3	5	3	3	3
NE SE S29 T11N-R23W	39.6	3	3	5	3	3
SW SE S29 T11N-R23W	38.9	3	5	3	3	3
SW SE S29 T11N-R23W	0.4	3	5	3	3	3
SE SE S29 T11N-R23W	37.5	1	1	3	1	1
NW NW S30 T11N-R23W	38.5	3	3	3	3	3
NE NW S30 T11N-R23W	36.9	1	3	3	3	3
SW NW S30 T11N-R23W	38.9	3	3	3	3	3
SE NW S30 T11N-R23W	38.0	1	3	3	3	3
NW NE S30 T11N-R23W	20.1	3	3	3	3	5
NW NE S30 T11N-R23W	19.6	3	3	3	3	5
NE NE S30 T11N-R23W	19.3	3	3	3	3	5
NE NE S30 T11N-R23W	19.0	3	3	3	3	5
SW NE S30 T11N-R23W	40.4	3	3	3	3	5
SE NE S30 T11N-R23W	36.9	3	3	3	3	5

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
NW NW S31 T11N-R23W	36.1	3	3	5	3	5
NE NW S31 T11N-R23W	39.4	3	3	3	3	5
SW NW S31 T11N-R23W	36.1	3	5	3	5	3
SE NW S31 T11N-R23W	40.0	3	5	3	5	3
NW NE S31 T11N-R23W	39.6	3	3	3	3	3
NE NE S31 T11N-R23W	39.3	3	3	3	3	3
SW NE S31 T11N-R23W	39.9	3	3	3	3	3
SE NE S31 T11N-R23W	36.0	3	3	3	3	3
NW SW S31 T11N-R23W	36.2	1	1	1	1	1
NE SW S31 T11N-R23W	38.9	1	1	1	1	1
NW SE S31 T11N-R23W	40.2	1	3	3	5	3
NE SE S31 T11N-R23W	33.7	3	3	3	5	3
SW SE S31 T11N-R23W	34.8	1	1	1	1	1
SE SE S31 T11N-R23W	10.1	1	1	1	1	1
SE SE S31 T11N-R23W	8.3	1	1	1	1	1
SE SE S31 T11N-R23W	11.3	1	1	1	1	1
SE SE S31 T11N-R23W	2.4	1	1	1	1	1
SW NW S32 T11N-R23W	10.0	5	3	3	3	3
NW SW S32 T11N-R23W	35.9	3	5	3	5	3
NE SW S32 T11N-R23W	40.4	3	3	3	3	3
SW SW S32 T11N-R23W	37.3	5	3	5	3	3
SE SW S32 T11N-R23W	33.7	3	3	3	3	5
NW NW S33 T11N-R23W	36.4	3	3	3	3	3
NW NW S33 T11N-R23W	2.3	3	3	3	3	3
NE NW S33 T11N-R23W	37.4	3	3	3	3	3
NE NW S33 T11N-R23W	2.2	3	3	3	3	3
SW NW S33 T11N-R23W	36.6	3	3	3	3	3
SW NW S33 T11N-R23W	2.1	3	3	3	3	3
SE NW S33 T11N-R23W	37.5	3	3	3	3	3
SE NW S33 T11N-R23W	2.6	3	3	3	3	3
NW NE S33 T11N-R23W	37.1	3	3	3	1	1
NE NE S33 T11N-R23W	39.4	3	3	3	3	3
SW NE S33 T11N-R23W	19.5	1	1	1	1	1
SW NE S33 T11N-R23W	17.7	1	1	1	1	1
SE NE S33 T11N-R23W	39.8	3	3	3	3	5
NW SE S33 T11N-R23W	39.6	3	3	5	3	3
NE SE S33 T11N-R23W	39.8	3	3	5	3	3
SW SE S33 T11N-R23W	36.7	3	3	5	3	3
SE SE S33 T11N-R23W	38.8	3	3	5	3	3
NW NW S34 T11N-R23W	20.2	1	1	1	3	3
NW NW S34 T11N-R23W	18.0	1	1	1	3	3
NE NW S34 T11N-R23W	39.9	1	1	1	3	3
SW NW S34 T11N-R23W	39.6	1	1	3	1	1

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SE NW S34 T11N-R23W	40.2	3	3	3	3	5
NW NE S34 T11N-R23W	16.5	3	3	3	3	3
NW NE S34 T11N-R23W	11.0	3	3	3	3	3
NW NE S34 T11N-R23W	9.1	3	3	3	3	3
NE NE S34 T11N-R23W	37.4	3	3	3	3	3
NE NE S34 T11N-R23W	1.8	3	3	3	3	3
SW NE S34 T11N-R23W	4.2	1	1	1	1	1
SW NE S34 T11N-R23W	5.5	1	1	1	1	1
SW NE S34 T11N-R23W	25.3	1	1	1	1	1
SE NE S34 T11N-R23W	12.6	1	1	1	1	1
SE NE S34 T11N-R23W	23.0	1	1	1	1	1
SE NE S34 T11N-R23W	1.7	1	1	1	1	1
NW SW S34 T11N-R23W	39.6	3	3	3	3	5
SW SW S34 T11N-R23W	38.6	3	3	3	3	5
NW SE S34 T11N-R23W	40.1	3	3	5	3	3
NE SE S34 T11N-R23W	39.6	3	3	5	3	3
SW SE S34 T11N-R23W	39.3	3	3	5	3	3
SE SE S34 T11N-R23W	38.8	3	3	5	3	3
NW NW S35 T11N-R23W	38.9	1	1	3	5	3
NE NW S35 T11N-R23W	39.4	1	1	1	5	3
SW NW S35 T11N-R23W	15.0	1	1	3	1	1
SW NW S35 T11N-R23W	14.6	1	1	3	1	1
SW NW S35 T11N-R23W	7.6	1	1	3	1	1
SE NW S35 T11N-R23W	9.8	1	1	1	5	3
SE NW S35 T11N-R23W	27.8	1	1	1	5	3
NW NE S35 T11N-R23W	37.3	3	3	3	5	3
NE NE S35 T11N-R23W	39.0	3	3	3	5	3
SW NE S35 T11N-R23W	39.8	3	3	3	5	3
SE NE S35 T11N-R23W	39.3	3	3	3	5	3
NW SW S35 T11N-R23W	39.0	3	3	3	3	5
NE SW S35 T11N-R23W	39.7	3	3	3	3	5
SW SW S35 T11N-R23W	37.2	3	3	3	3	5
SE SW S35 T11N-R23W	38.8	3	3	3	3	5
NW SE S35 T11N-R23W	14.7	3	1	1	1	1
NW SE S35 T11N-R23W	13.6	3	1	1	1	1
NW SE S35 T11N-R23W	9.5	3	1	1	1	1
NE SE S35 T11N-R23W	28.8	3	1	1	1	1
NE SE S35 T11N-R23W	0.4	3	1	1	1	1
NE SE S35 T11N-R23W	9.6	3	1	1	1	1
SW SE S35 T11N-R23W	27.7	1	1	1	1	3
SW SE S35 T11N-R23W	11.0	1	1	1	1	3
SE SE S35 T11N-R23W	23.5	1	1	1	1	1
SE SE S35 T11N-R23W	12.6	1	1	1	1	1

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
NW NW S36 T11N-R23W	33.0	3	5	5	3	3
NE NW S36 T11N-R23W	28.4	3	3	5	3	3
SW NW S36 T11N-R23W	30.0	3	3	5	3	3
SE NW S36 T11N-R23W	6.3	3	3	5	3	3
SE NW S36 T11N-R23W	27.6	3	3	5	3	3
NW NE S36 T11N-R23W	31.1	1	1	3	1	3
NE NE S36 T11N-R23W	30.2	1	1	3	1	3
SW NE S36 T11N-R23W	33.3	1	1	3	1	3
SE NE S36 T11N-R23W	32.2	1	1	3	1	3
NW SW S36 T11N-R23W	34.0	3	3	5	3	3
NE SW S36 T11N-R23W	34.0	3	3	5	3	3
SW SW S36 T11N-R23W	20.0	3	3	1	1	3
SW SW S36 T11N-R23W	2.8	3	3	1	1	3
SW SW S36 T11N-R23W	3.3	3	3	1	1	3
SE SW S36 T11N-R23W	24.3	3	3	1	1	3
SE SW S36 T11N-R23W	3.4	3	3	1	1	3
SE SW S36 T11N-R23W	5.6	3	3	1	1	3
NW SE S36 T11N-R23W	33.4	3	3	3	3	3
NE SE S36 T11N-R23W	22.5	1	1	1	1	1
SW SE S36 T11N-R23W	19.8	1	1	1	1	1
SE SE S36 T11N-R23W	31.3	1	1	1	1	1
NW SW S13 T11N-R24W	36.2	1	1	1	3	1
NE SW S13 T11N-R24W	39.4	1	1	1	3	1
SW SW S13 T11N-R24W	37.7	1	1	1	1	1
SE SW S13 T11N-R24W	36.4	1	1	1	1	1
NW SE S13 T11N-R24W	39.8	1	1	1	1	1
NE SE S13 T11N-R24W	38.9	1	1	1	1	1
SW SE S13 T11N-R24W	36.0	1	1	3	3	1
SE SE S13 T11N-R24W	30.9	1	1	3	3	1
NW NE S14 T11N-R24W	16.5	1	1	1	1	1
NE NE S14 T11N-R24W	34.0	3	3	3	5	3
SW NE S14 T11N-R24W	13.3	1	1	1	3	3
SE NE S14 T11N-R24W	8.7	1	1	1	1	3
SE NE S14 T11N-R24W	2.4	1	1	1	1	3
SE NE S14 T11N-R24W	19.3	1	1	1	1	3
SE NE S14 T11N-R24W	1.7	1	1	1	1	3
NW SW S14 T11N-R24W	23.3	5	3	3	3	3
NW SW S14 T11N-R24W	13.7	5	3	3	3	3
NE SW S14 T11N-R24W	40.1	5	3	3	3	3
SW SW S14 T11N-R24W	28.8	3	3	3	3	3
SW SW S14 T11N-R24W	9.7	3	3	3	3	3
SE SW S14 T11N-R24W	39.6	3	3	3	3	3
NW SE S14 T11N-R24W	33.5	1	1	1	3	3

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
NW SE S14 T11N-R24W	5.8	1	1	1	3	3
NE SE S14 T11N-R24W	27.3	1	1	1	1	3
NE SE S14 T11N-R24W	8.1	1	1	1	1	3
SW SE S14 T11N-R24W	34.1	1	1	1	3	3
SE SE S14 T11N-R24W	32.5	1	1	1	1	3
SE SE S14 T11N-R24W	6.6	1	1	1	1	3
NW SW S15 T11N-R24W	15.5	5	3	3	3	3
SW SW S15 T11N-R24W	38.1	3	3	5	3	3
SE SW S15 T11N-R24W	34.9	3	3	5	3	3
NE SE S15 T11N-R24W	2.5	3	5	3	3	5
SW SE S15 T11N-R24W	36.4	3	5	3	3	5
SE SE S15 T11N-R24W	36.7	5	3	1	1	1
NE SW S16 T11N-R24W	37.7	3	3	3	3	5
NE SW S16 T11N-R24W	0.7	3	3	3	3	5
SW SW S16 T11N-R24W	2.8	3	3	5	3	3
SE SW S16 T11N-R24W	28.0	1	1	1	1	3
SE SW S16 T11N-R24W	6.6	1	1	1	1	3
NW SE S16 T11N-R24W	25.3	1	1	5	7	3
NW SE S16 T11N-R24W	11.6	1	1	5	7	3
NE SE S16 T11N-R24W	28.3	1	1	3	3	3
SW SE S16 T11N-R24W	39.3	1	7	3	3	3
SE SE S16 T11N-R24W	39.1	3	3	3	3	3
SW NW S18 T11N-R24W	15.0	3	3	3	3	3
NW SW S18 T11N-R24W	12.7	3	3	3	3	3
SW SW S18 T11N-R24W	2.9	11	11	11	1	3
SE SW S18 T11N-R24W	2.7	11	11	11	1	3
NW SE S18 T11N-R24W	38.8	3	3	3	5	3
NE SE S18 T11N-R24W	39.4	3	3	3	5	5
SW SE S18 T11N-R24W	7.5	3	3	3	5	3
SE SE S18 T11N-R24W	20.9	3	3	3	5	5
SE SE S18 T11N-R24W	5.1	3	3	3	5	5
NW NW S20 T11N-R24W	10.0	5	3	3	1	5
NW NW S20 T11N-R24W	13.7	5	3	3	1	5
NW NW S20 T11N-R24W	3.5	5	3	3	1	5
NE NW S20 T11N-R24W	22.3	5	3	3	5	5
NE NW S20 T11N-R24W	13.2					
SW NW S20 T11N-R24W	10.0	1	1	1	5	5
SW NW S20 T11N-R24W	6.0	1	1	1	5	5
SW NW S20 T11N-R24W	6.0	1	1	1	5	5
SW NW S20 T11N-R24W	2.9	1	1	1	5	5
SE NW S20 T11N-R24W	26.0	1	1	1	5	5
SE NW S20 T11N-R24W	13.9	1	1	1	5	5
NW SW S20 T11N-R24W	35.4	3	3	3	5	5



Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
NW SW S20 T11N-R24W	4.0	3	3	3	5	5
NE SW S20 T11N-R24W	5.7	3	3	3	5	5
NE SW S20 T11N-R24W	30.6	3	3	3	5	5
SW SW S20 T11N-R24W	27.0	3	3	3	5	5
SE SW S20 T11N-R24W	39.0	3	3	3	5	3
NW NW S21 T11N-R24W	26.4	3	5	3	3	5
NE NW S21 T11N-R24W	38.9	3	5	3	3	5
SW NW S21 T11N-R24W	39.0	3	5	3	3	5
SE NW S21 T11N-R24W	40.2	3	5	3	3	5
NW NE S21 T11N-R24W	39.0	3	3	3	5	3
NE NE S21 T11N-R24W	34.7	3	3	3	5	3
SW NE S21 T11N-R24W	40.1	1	3	3	5	3
SE NE S21 T11N-R24W	39.6	1	3	3	5	3
NW SW S21 T11N-R24W	35.8	1	1	3	5	5
NE SW S21 T11N-R24W	40.3	3	5	3	5	5
SW SW S21 T11N-R24W	39.0	1	1	3	5	5
SE SW S21 T11N-R24W	38.6	3	5	3	5	5
SW SE S21 T11N-R24W	39.7	5	3	3	3	3
SE SE S21 T11N-R24W	38.8	5	3	3	3	3
NE NW S22 T11N-R24W	5.0	3	3	3	3	3
SW NW S22 T11N-R24W	5.0	3	3	3	3	5
SW SE S22 T11N-R24W	38.0	3	3	3	1	1
NW NW S23 T11N-R24W	38.3	3	3	5	3	3
NE NW S23 T11N-R24W	39.3	3	3	5	3	3
SE NW S23 T11N-R24W	40.0	1	1	1	1	3
NW NE S23 T11N-R24W	30.0	5	7	5	3	3
NW NE S23 T11N-R24W	9.3	5	7	5	3	3
NE NE S23 T11N-R24W	38.5	1	1	1	1	3
SW NE S23 T11N-R24W	39.9	1	1	3	3	3
SE NE S23 T11N-R24W	39.3	1	1	1	1	3
NW SE S23 T11N-R24W	39.9	1	1	1	1	3
NE SE S23 T11N-R24W	39.4	1	1	1	1	3
SW SE S23 T11N-R24W	39.3	5	1	1	1	7
SE SE S23 T11N-R24W	34.0	5	1	1	1	3
NW NW S24 T11N-R24W	35.6	3	3	3	3	5
NE NW S24 T11N-R24W	38.9	1	1	1	1	1
SW NW S24 T11N-R24W	38.8	3	3	3	3	5
SE NW S24 T11N-R24W	39.7	1	1	1	1	1
NW NE S24 T11N-R24W	38.9	3	3	3	5	3
NE NE S24 T11N-R24W	36.3	3	3	5	3	3
SW NE S24 T11N-R24W	25.2	1	1	1	1	1
SW NE S24 T11N-R24W	14.5	1	1	1	1	1
SE NE S24 T11N-R24W	24.8	3	3	5	3	3

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SE NE S24 T11N-R24W	14.3	3	3	5	3	3
NW SW S24 T11N-R24W	19.1	3	3	3	1	3
NW SW S24 T11N-R24W	19.6	3	3	3	1	3
NE SW S24 T11N-R24W	13.7	1	1	1	1	3
NE SW S24 T11N-R24W	20.3	1	1	1	1	3
NE SW S24 T11N-R24W	5.6	1	1	1	1	3
SW SW S24 T11N-R24W	37.5	3	3	3	3	3
SE SW S24 T11N-R24W	34.4	1	1	1	1	3
NW SE S24 T11N-R24W	39.7	3	3	3	3	5
NE SE S24 T11N-R24W	39.1	1	1	1	1	1
SW SE S24 T11N-R24W	38.2	3	3	3	3	5
SE SE S24 T11N-R24W	34.4	1	1	1	1	1
NW NW S25 T11N-R24W	37.6	1	1	3	3	3
NE NW S25 T11N-R24W	38.8	5	3	3	3	3
SW NW S25 T11N-R24W	15.7	1	1	1	1	1
SW NW S25 T11N-R24W	21.2	1	1	1	1	1
SE NW S25 T11N-R24W	19.2	1	1	3	3	3
SE NW S25 T11N-R24W	18.8	1	1	3	3	3
NW NE S25 T11N-R24W	38.9	3	3	5	3	3
NE NE S25 T11N-R24W	33.3	3	3	5	3	3
SW NE S25 T11N-R24W	38.7	3	3	5	3	3
SE NE S25 T11N-R24W	39.0	3	3	5	3	3
NW SW S25 T11N-R24W	36.6	5	3	3	5	3
NE SW S25 T11N-R24W	39.8	3	3	5	3	5
SW SW S25 T11N-R24W	38.0	5	3	3	5	3
SE SW S25 T11N-R24W	38.9	3	3	5	3	5
NW SE S25 T11N-R24W	38.8	3	3	3	3	3
NE SE S25 T11N-R24W	35.2	3	3	3	1	1
SW SE S25 T11N-R24W	39.0	3	3	3	3	3
SE SE S25 T11N-R24W	35.9	3	3	3	3	3
NE NW S26 T11N-R24W	36.4	3	3	3	3	3
SE NW S26 T11N-R24W	39.1	3	3	3	3	3
NW NE S26 T11N-R24W	15.1	3	3	5	3	3
SW NE S26 T11N-R24W	39.8	3	3	5	3	3
SE NE S26 T11N-R24W	38.0	3	3	5	3	3
NW SE S26 T11N-R24W	39.7	1	1	3	1	1
NE SE S26 T11N-R24W	39.6	1	1	1	1	1
SW SE S26 T11N-R24W	38.7	1	1	3	1	1
SE SE S26 T11N-R24W	32.7	1	1	1	1	1
NE NW S27 T11N-R24W	36.9	1	1	1	1	3
SW NE S27 T11N-R24W	5.1	3	3	3	3	5
NW SW S27 T11N-R24W	0.7	3	3	3	3	5
NE SW S27 T11N-R24W	39.5	3	3	3	3	5

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SE SW S27 T11N-R24W	38.8	3	3	3	3	5
NW SE S27 T11N-R24W	20.4	3	5	3	3	3
NW SE S27 T11N-R24W	5.7	3	5	3	3	3
NW SE S27 T11N-R24W	4.9	3	5	3	3	3
NE SE S27 T11N-R24W	19.5	3	3	3	3	3
NE SE S27 T11N-R24W	5.6	3	3	3	3	3
SW SE S27 T11N-R24W	19.4	1	1	1	1	3
SW SE S27 T11N-R24W	17.8	1	1	1	1	3
SE SE S27 T11N-R24W	19.7	1	1	1	1	3
SE SE S27 T11N-R24W	19.0	1	1	1	1	3
NW NW S28 T11N-R24W	36.5	1	1	1	5	3
NE NW S28 T11N-R24W	39.3	1	1	1	5	3
NW NE S28 T11N-R24W	37.5	1	1	3	1	1
NE NE S28 T11N-R24W	38.6	1	1	1	1	3
SW NE S28 T11N-R24W	39.5	3	3	3	3	3
SE NE S28 T11N-R24W	39.2	3	3	3	3	3
NE SW S28 T11N-R24W	41.0	5	3	3	5	3
NW SE S28 T11N-R24W	20.6	3	3	3	5	3
NW SE S28 T11N-R24W	20.0	3	3	3	5	3
NE SE S28 T11N-R24W	20.3	3	3	3	5	3
NE SE S28 T11N-R24W	19.2	3	3	3	5	3
SW SE S28 T11N-R24W	38.8	3	3	3	5	3
SE SE S28 T11N-R24W	38.3	3	3	3	5	3
NW NW S29 T11N-R24W	10.0	1	1	1	1	1
NE NW S29 T11N-R24W	30.0	3	3	5	5	3
NE NW S29 T11N-R24W	10.0	3	3	5	5	3
SE NW S29 T11N-R24W	30.2	3	3	5	5	3
SE NW S29 T11N-R24W	10.0	3	3	5	5	3
NE NE S29 T11N-R24W	16.1	5	3	3	5	3
NW NE S34 T11N-R24W	34.4	3	3	3	3	3
NW NE S34 T11N-R24W	5.5	3	3	3	3	3
NE NE S34 T11N-R24W	33.1	3	3	3	5	3
NE NE S34 T11N-R24W	6.7	3	3	3	5	3
SW NE S34 T11N-R24W	40.0	3	3	3	3	3
SE NE S34 T11N-R24W	39.8	3	3	3	3	3
NW NE S35 T11N-R24W	38.8	5	3	3	3	5
NE NE S35 T11N-R24W	38.1	1	1	3	3	5
SW NE S35 T11N-R24W	39.8	3	3	3	3	5
SE NE S35 T11N-R24W	39.2	3	3	3	3	5
NW SE S35 T11N-R24W	18.0	1	1	1	3	3
NW NW S36 T11N-R24W	2.9	1	1	1	3	1
NE NW S36 T11N-R24W	39.2	1	1	1	1	3
SW NW S36 T11N-R24W	28.1	1	1	3	1	1

Table H-3. Cozad Ditch Company Land Use data for water right acres D-626

Crop Type	1= Alfalfa	3= Corn	5= Soybeans	7= Small Grains	11= Hay	
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SW NW S36 T11N-R24W	0.7	1	1	3	1	1
SE NW S36 T11N-R24W	26.8	1	1	3	1	1
SE NW S36 T11N-R24W	13.1	1	1	3	1	1
NW NE S36 T11N-R24W	21.9	1	1	1	1	1
NE NE S36 T11N-R24W	4.1	5	3	1	1	1
SW NE S36 T11N-R24W	39.9	1	1	3	1	1
SE NE S36 T11N-R24W	34.5	1	1	3	1	1
NW SW S36 T11N-R24W	39.0	1	3	1	1	1
NE SW S36 T11N-R24W	39.9	1	3	1	1	1
SW SE S13 T11N-R25W	34.1	5	3	11	1	3
SE SE S13 T11N-R25W	12.2	5	3	11	1	3
Total D626	16074.2	1727.0	1675.0	1801.0	1835.0	2005.0

Table H-3. Cozad Ditch Company Land Use data for water right acres A-17002R

Crop Type	1= Alfalfa	3= Corn = Soybeans	7= Small Grains	11= Hay		
Legal Description	WR-Acres	LU2006	LU2007	LU2008	LU2009	LU2010
SE NW S18 T11N-R24W	4.5	3	3	3	3	5
NE SW S18 T11N-R24W	5.5	1	1	1	1	5
SW SW S18 T11N-R24W	25.0	11	11	11	1	3
	35.0	15.0	15.0	15.0	5.0	13.0
D-626	16074.2	1727	1675	1801	1835	2005
Total	16109.2	1742.0	1690.0	1816.0	1840.0	2018.0