

FINAL REPORT

2003 Project Abstract

For the Period Ending December 31, 2005

TITLE: Restoring Minnesota's Fish and Wildlife Habitat Corridors – Phase II; Part 2 (c) Wildlife Lakes Enhancement

PROJECT MANAGER: Jon Schneider

ORGANIZATION: Ducks Unlimited, Inc.

ADDRESS: 311 East Lake Geneva Road, Alexandria, MN 56308

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FUND: Minnesota Environment and Natural Resources Trust Fund

LEGAL CITATION: Minnesota Laws 2003, Chapter 128, and Art. 1, Sec. 9, Subdivision 5(a).



APPROPRIATION AMOUNT: \$475,500

Overall Project Outcome and Results

In support of the Minnesota Department of Natural Resources' (DNR) shallow lakes program and also in partnership with the U.S. Fish & Wildlife Service, Ducks Unlimited (DU) provided engineering and biological technical assistance to **enhance 3,955.9 acres of shallow lake wetlands** by spending a total of \$475,500 of Environmental Trust Funds (3,835 prorated acres), \$964,375 in other non-state funds (291 prorated acres), and \$48,900 in state funds in Corridors Project Areas 3, 6, 7, 8, and 10 through this grant. These areas constitute the heart of Minnesota's waterfowl migration corridor, especially for diving ducks such as lesser scaup (a species in continental population decline) that rely heavily on shallow lake habitat. Specifically, DU engineered physical improvements for 21 shallow lakes, including the implementation of one outlet channel cleanout (2,717-acre Big Rice Lake in Cass County), three water control structures, and eight fish barriers that enhanced the 3,955.9 acres, plus engineering plans for an additional nine shallow lakes for DNR that will be implemented under future LCMR grants once DNR secures easements to allow construction. In addition, DU staff provided technical assistance on an additional 16 shallow lakes, including the enhancement of one 45-acre basin on Towner Slough WMA (Grant County) and outreach to landowners on another 15 shallow lakes that will lead to improvements in future years. DU field staff also assisted DNR shallow lake program and area wildlife management staff with ecological surveys on other shallow lakes throughout west-central Minnesota (to be reported under DNR's "Shallow Lake Management" (part 2d) final report. Finally, DU also secured our first donated conservation easement using non-EFT funds (all landowner and DU) on 170 acres along Lake Christina (previously enhanced through DU's HCP Phase 1 grant from LCMR). Importantly, much of this grant's ETF expense was or will be used by DU and partners as non-federal match to help leverage federal funds through three North American Wetlands Conservation Act grants to further restore and enhance wetlands and associated uplands in Minnesota.

Project Results, Use, and Dissemination

The bio-engineering work provided by DU through this grant project resulted in the physical improvement of 21 shallow lakes and the development of engineering plans for the future improvement of nine additional shallow lakes. The efforts of DU's biological outreach has been especially effective in disseminating information about shallow lake ecology and enhancement techniques, and in promoting conservation program information to private landowners and lake associations. Summaries and pictures of projects completed under this grant will be disseminated through DU news releases, DU's state newsletter Cattails, and on DU's state website www.mnducks.org, regional website www.prairie.ducks.org, and national website www.ducks.org. Several articles about DU's ETF-funded projects have also already run in Outdoor News.

ATTACHMENT Budget Detail for 2003 Projects
Final Report (expenses 7/1/2003 through 12/31/2005)
Project Title: HCP Part 2 (c) "Wildlife Lakes Enhancement "
 Restoring Minnesota's Fish and Wildlife Habitat Corridors – Phase II
 Minnesota Laws 2003, Chapter 128, and Art. 1, Sec. 9, Subdivision 5(a).
Project Manager: Jon Schneider, Ducks Unlimited
LCMR Funding: \$475,500.00

2003 LCMR WORK PROGRAM BUDGET						
Budget Item (Title of Result)	Result 1 Budget:	Result 1 Expense:	Result 1 Balance:	PROJECT TOTAL:		
				BUDGET TOTAL:	EXPENSE TOTAL:	BALANCE TOTAL:
Personnel Subtotal						
DU Professional Wetland Engineering Staff	\$ 135,961.54	\$ 135,961.54	\$ -	\$ 135,961.54	\$ 135,961.54	\$ -
Personnel Subtotal	\$ 135,961.54	\$ 135,961.54	\$ -	\$ 135,961.54	\$ 135,961.54	\$ -
Contracts						
Contracted Biological Technician		\$ 68,917.67			\$ 68,917.67	
Contract Engineering (survey, drafting, etc.)		\$ 12,341.10			\$ 12,341.10	
Contractor Charges: (earth moving, welding, etc.)		\$ 231,584.08			\$ 231,584.08	
Materials(culverts, fish barriers, concrete, etc.)		\$ 16,489.31			\$ 16,489.31	
Contracts Subtotal	\$ 329,332.16	\$ 329,332.16	\$ -	\$ 329,332.16	\$ 329,332.16	\$ -
Equipment						
Aeration bubblers, pumps, oxygen meters, etc.		\$ -				
Equipment Subtotal		\$ -	\$ -	\$ -		\$ -
Supplies and Travel						
Telephone (including cell phone for contract techs)		\$ 1,976.44			\$ 1,976.44	
Office Supplies, Postage & Printing (for contract techs)		\$ 1,254.47			\$ 1,254.47	
Travel (meals, mileage, lodging for contract techs)		\$ 6,975.39		\$ -	\$ 6,975.39	
Supplis and Travel subtotal	\$ 10,206.30	\$ 10,206.30	\$ -	\$ 10,206.30	\$ 10,206.30	\$ -
COLUMN TOTAL	\$ 475,500.00	\$ 475,500.00	\$ -	\$ 475,500.00	\$ 475,500.00	\$ -

2C: Wildlife Lakes Enhancement Work Program Expenditures - Phase IIExpenditures not attributable to a specific project

FundingType	Category	Amount	Description
ETF	Personnel Expenditures	\$1,072.17	DU biologist to provide technical assistance to landowners in Corridors Project Areas 3, 6, & 7.
ETF	Professional Services	\$37,638.44	Contracted biologist to provide technical assistance to landowners in Corridors Project Areas 3, 6, & 7.
ETF Total:		\$38,710.61	
Other Funds	Personnel Expenditures	\$7,723.74	DU biologist to provide technical assistance to landowners in Corridors Project Areas 3, 6, & 7.
Other Funds	Personnel Expenditures	\$33,683.31	DU administration of LCMR grant and management of projects and contracted biologist.
Other Funds	Professional Services	\$6,429.09	Contract biologist provided technical assistance to landowners in Corridors Project Areas 3, 6, & 7.
Other Funds Total:		\$47,836.14	
Grand Total		\$86,546.75	

2C: Wildlife Lakes Enhancement Restoration Activities - PHASE II

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
Benson WPA	3 - Border Prairie	Wetland Enhancement	Public - WPA	DU Project MN-348-1. DU engineers and biologists surveyed, designed, and contracted the construction of a water control structure and fish barrier on the outlet of a 52-acre shallow lake on the Benson WPA in western Douglas County.						

Non-Prorated Total:			52	0	0
ETF	\$19,659.82	Personnel Expenditures	0.0	0	0
ETF	\$45,050.43	Restoration	26.3	0	0
Other Funds	\$31,887.93	Personnel Expenditures	0.0	0	0
Other Funds	\$44,080.18	Restoration	25.7	0	0

Big Lake	3 - Border Prairie	Shallow Lake Survey / Design / Wetland Mapping	Private - Lake	DU Project MN-191-4. DU engineers and biologists surveyed and designed a water control structure for the outlet of Big Lake in the Niemackl Lakes area near Herman in Grant County. DNR and DU will implement the design after DNR obtains an easement for the structure and either legally designates the lake or obtains flowage easements from all riparian landowners around the lake.						
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Non-Prorated Total:			0	0	0
ETF	\$703.74	Professional Services	0.0	0	0
ETF	\$9,089.82	Personnel Expenditures	0.0	0	0
Other Funds	\$3,833.37	Personnel Expenditures	0.0	0	0
State Funds	\$4,800.00	Personnel Expenditures	0.0	0	0

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number	
Big Rice Lake	4 - Central Lakes	Wetland Enhancement	Public - Lake	DU Project Number MN-362-1. DU hired Fond du Lac Natural Resource Department to use a "cookie cutter" machine to clear the outlet of Big Rice Lake in Cass County south of Remer. This will allow water to leave the lake more quickly during rain events and minimize water level bounce on wild rice plants in spring.							
					Non-Prorated Total:				2717	0	0
					ETF	\$3,516.89	Professional Services	0.0	0	0	
					ETF	\$20,257.40	Restoration	2,717.0	0	0	
					Other Funds	\$5,928.19	Personnel Expenditures	0.0	0	0	
Blakesley WPA	3 - Border Prairie	Wetland Enhancement	Public - WPA	DU Project Number MN-331-1. DU engineers and biologists surveyed, re-designed, and constructed a new and improved water control structure for the outlet of a shallow lake on the Blakesley WPA east of Elbow Lake in Grant County.							
					Non-Prorated Total:				61	0	0
					ETF	\$1,430.10	Professional Services	0.0	0	0	
					ETF	\$10,271.75	Personnel Expenditures	0.0	0	0	
					ETF	\$62,611.00	Restoration	60.9	0	0	
					Other Funds	\$79.64	Restoration	0.1	0	0	
Other Funds	\$18,300.59	Personnel Expenditures	0.0	0	0						
Colbert WPA	6 - Upper Minnesota River	Wetland Enhancement	Public - WPA	DU Project Number MN-321-29. DU contract biologist purchased and installed a fish barrier on the outlet of a 107-acre shallow lake on the Colbert WPA in Lac Qui Parle County.							
					Non-Prorated Total:				107	0	0
					ETF	\$630.00	Professional Services	0.0	0	0	
					ETF	\$5,059.41	Restoration	107.0	0	0	
					Other Funds	\$700.96	Personnel Expenditures	0.0	0	0	

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
Dahlberg Lake	3 - Border Prairie	Outreach	Private - Lake	DU Project Number MN-321-28. DU contract biologist provided technical assistance to private landowners and DNR to evaluate the potential for constructing a fish barrier on the outlet culvert of Dahlberg Lake southwest of Detroit Lakes in Becker County. The project was determined to be feasible, and DU plans to pay for the installation using ETF funds under HCP Phase III in 2006 pending DNR Waters approval and permitting.						

Non-Prorated Total:			0	0	0
ETF	\$1,050.00	Professional Services	0.0	0	0
Other Funds	\$127.26	Personnel Expenditures	0.0	0	0

Frank Lake, Swift County	7 - Alexandria Moraine	Wetland Enhancement	Private - Lake	DU Project Number MN-321-6. DU contract biologist and DU engineers worked with DNR field staff and landowners to install both a steel fish barrier on the outlet of Frank Lake in Swift County, and to install and run two PVC siphon tube/pumps to induce a draw-down of the lake to rejuvenate aquatic plants.						
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Non-Prorated Total:			195	0	0
ETF	\$426.69	Personnel Expenditures	0.0	0	0
ETF	\$7,148.27	Professional Services	0.0	0	0
ETF	\$9,301.23	Restoration	195.0	0	0
Other Funds	\$1,572.49	Personnel Expenditures	0.0	0	0
Other Funds	\$2,576.83	Professional Services	0.0	0	0

Geneva Lake, Freeborn County	10 - Southern Lakes	Shallow Lake Survey / Design / Wetland Mapping	Public - Lake	DU Project Number MN-321-24. DU engineers surveyed and designed a new water control outlet structure for Geneva Lake in Freeborn County northeast of Albert Lea. DU also purchased PVC pipe for DNR field staff to use as a siphon to help demonstrate the benefits of a winterkill to local constituents as a first step in the lake's improvement. DNR is working with the county now to transfer management authority of the existing dam to DNR Wildlife staff, and DU's new design will be constructed in 2006.						
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Non-Prorated Total:			0	0	0
ETF	\$376.23	Professional Services	0.0	0	0
ETF	\$5,687.36	Restoration	0.0	0	0

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number	
Geneva Lake, Freeborn County	10 - Southern Lakes	Shallow Lake Survey / Design / Wetland Mapping	Public - Lake	DU Project Number MN-321-24. DU engineers surveyed and designed a new water control outlet structure for Geneva Lake in Freeborn County northeast of Albert Lea. DU also purchased PVC pipe for DNR field staff to use as a siphon to help demonstrate the benefits of a winterkill to local constituents as a first step in the lake's improvement. DNR is working with the county now to transfer management authority of the existing dam to DNR Willdife staff, and DU's new design will be constructed in 2006.		Non-Prorated Total:					
						ETF	\$13,932.55	Personnel Expenditures	0	0	0
						Other Funds	\$74.20	Restoration	0.0	0	0
						Other Funds	\$139.00	Professional Services	0.0	0	0
						Other Funds	\$12,707.74	Personnel Expenditures	0.0	0	0
						State Funds	\$5,000.00	Personnel Expenditures	0.0	0	0
Griffin/Drywood Lakes	6 - Upper Minnesota River	Shallow Lake Survey / Design / Wetland Mapping	Private - Lake	DU Project Number MN-321-11. DU contracted biologist assisted the DNR in conducting a shallow lake survey of Griffin/Drywood Lakes in Swift County and providing guidance to the landowners and DNR regarding management and improvement.		Non-Prorated Total:					
						ETF	\$10.89	Personnel Expenditures	0.0	0	0
						ETF	\$14.00	Professional Services	0.0	0	0
						Other Funds	\$16.31	Personnel Expenditures	0.0	0	0
						Other Funds	\$41.80	Professional Services	0.0	0	0
Hart Lake	6 - Upper Minnesota River	Shallow Lake Survey / Design / Wetland Mapping	Private - Lake	DU Project Number MN-321-10. DU contracted biologist assisted the DNR in conducting a shallow lake survey of Hart Lake in Swift County and providing guidance to the landowners and DNR regarding management and improvement.		Non-Prorated Total:					
						ETF	\$112.00	Professional Services	0.0	0	0
						Other Funds	\$22.73	Personnel Expenditures	0.0	0	0

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number			
Hart Lake	6 - Upper Minnesota River	Shallow Lake Survey / Design / Wetland Mapping	Private - Lake	DU Project Number MN-321-10. DU contracted biologist assisted the DNR in conducting a shallow lake survey of Hart Lake in Swift County and providing guidance to the landowners and DNR regarding management and improvement.	Non-Prorated Total:						0	0	0
					Other Funds	\$69.60	Professional Services	0.0	0	0			
Haugen Wetland	6 - Upper Minnesota River	Wetland Enhancement	Private - Lake	DU Project Number MN-321-30. DU contract biologist helped USFWS field staff purchase and install a fish barrier to enhance the Haugen private wetland in Lac Qui Parle County.	Non-Prorated Total:						56	0	0
					ETF	\$462.00	Professional Services	0.0	0	0			
					ETF	\$1,398.00	Restoration	56.0	0	0			
					Other Funds	\$236.84	Personnel Expenditures	0.0	0	0			
Helle Lake, Pope County	7 - Alexandria Moraine	Outreach	Private - Lake	DU Project Number MN-321-32. DU contract biologist provided technical assistance to DNR area wildlife manager and landowner regarding the condition and management of Helle Lake south of Glenwood in Pope County. DU engineers will survey and design a new outlet water control structure in 2006.	Non-Prorated Total:						0	0	0
					ETF	\$861.00	Professional Services	0.0	0	0			
					Other Funds	\$114.19	Personnel Expenditures	0.0	0	0			
Jennie Lake	3 - Border Prairie	Shallow Lake Survey / Design / Wetland Mapping	Public - Lake	DU Project Number MN-321-33. DU biologists and engineers are surveying the outlet channel and engineering a draw-down water control structure and fish barrier to allow for active water level management. The project should be designed in 2006 and DNR will obtain easements or designate the lake for wildlife management purposes.	Non-Prorated Total:						0	0	0
					ETF	\$728.04	Personnel Expenditures	0.0	0	0			
					ETF	\$1,022.00	Professional Services	0.0	0	0			
					Other Funds	\$1,392.92	Personnel Expenditures	0.0	0	0			

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
Kube - Swift WMA	3 - Border Prairie	Shallow Lake Survey / Design / Wetland Mapping	Public - WMA	DU Project Number MN-330-1. DU engineers and biologists surveyed and designed a fish barrier downstream from two shallow lakes on the Kube-Swift WMA northwest of Wendell in Grant County. DNR and DU will implement the design after DNR obtains an easement for the fish barrier plunge pool that will affect private land.						
					Non-Prorated Total:			0	0	0
					ETF	\$3,647.73	Personnel Expenditures	0.0	0	0
					ETF	\$4,212.36	Professional Services	0.0	0	0
					Other Funds	\$5,638.48	Personnel Expenditures	0.0	0	0
		State Funds	\$7,500.00	Personnel Expenditures	0.0	0	0			
Lake Cyrus	3 - Border Prairie	Wetland Enhancement	Public - Lake	Fish barrier installed						
					Non-Prorated Total:			245	0	0
					ETF	\$468.25	Professional Services	0.0	0	0
					Other Funds	\$55.60	Professional Services	0.0	0	0
		Other Funds	\$64.56	Personnel Expenditures	0.0	0	0			
Lake Hassel, Swift County	7 - Alexandria Moraine	Shallow Lake Survey / Design / Wetland Mapping	Private - Lake	DU Project Number MN-321-7. DU contracted biologist provided technical assistance to landowners and DNR field staff through a shallow lake survey and management recommendations regarding Lake Hassel.						
					Non-Prorated Total:			0	0	0
					ETF	\$33.00	Personnel Expenditures	0.0	0	0
					ETF	\$2,244.10	Professional Services	0.0	0	0
					Other Funds	\$384.63	Personnel Expenditures	0.0	0	0
		Other Funds	\$618.55	Professional Services	0.0	0	0			
Lake Hollerberg, Swift County	7 - Alexandria Moraine	Outreach	Public - Lake	DU Project Number MN-321-5. DU contract biologist provided technical assistance outreach to landowners and DNR field staff regarding the condition and management of Hollerberg Lake in Swift County.						
					Non-Prorated Total:			0	0	0
		ETF	\$133.00	Professional Services	0.0	0	0			

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
Lake Hollerberg, Swift County	7 - Alexandria Moraine	Outreach	Public - Lake	DU Project Number MN-321-5. DU contract biologist provided technical assistance outreach to landowners and DNR field staff regarding the condition and management of Hollerberg Lake in Swift County.						
Non-Prorated Total:								0	0	0
					Other Funds	\$7.00	Professional Services	0.0	0	0
					Other Funds	\$16.97	Personnel Expenditures	0.0	0	0
Lake Mary, Pope County	7 - Alexandria Moraine	Shallow Lake Survey / Design / Wetland Mapping	Private - Lake	DU Project Number MN-321-31. DU contract biologist assisted DNR shallow lake staff in surveying Lake Mary in Pope County and providing technical assistance to the landowner. DU engineers plan to survey and designed a new outlet water control structure and fish barrier for the lake in 2006.						
Non-Prorated Total:								0	0	0
					ETF	\$44.55	Personnel Expenditures	0.0	0	0
					ETF	\$707.00	Professional Services	0.0	0	0
					Other Funds	\$129.64	Personnel Expenditures	0.0	0	0
Lake Moore, Swift County	7 - Alexandria Moraine	Grassland Restoration	Private - Lake	DU Project Number MN-321-8. DU contracted biologist provided technical assistance to landowners and DNR field staff through a shallow lake survey and management recommendations regarding Lake Moore in Swift County.						
Non-Prorated Total:								0	0	0
					ETF	\$61.05	Personnel Expenditures	0.0	0	0
					ETF	\$189.00	Professional Services	0.0	0	0
					Other Funds	\$95.78	Personnel Expenditures	0.0	0	0
					Other Funds	\$159.95	Professional Services	0.0	0	0
Lakes Anka / Christina	3 - Border Prairie	Wetland Enhancement	Public - Lake	Fish kill/fish barrier						
Non-Prorated Total:								4076	0	0
					ETF	\$900.40	Professional Services	0.0	0	0
					Other Funds	\$1,674.88	Personnel Expenditures	0.0	0	0

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number			
Long Lake	3 - Border Prairie	Outreach	Public - Lake	DU Project Number MN-321-16. DU contract tech and DU biologist provided technical assistance to improve the lake through a drawdown.	Non-Prorated Total:						0	0	0
					ETF	\$454.00	Professional Services	0.0	0	0			
					Other Funds	\$227.07	Personnel Expenditures	0.0	0	0			
					Other Funds	\$424.45	Professional Services	0.0	0	0			
Madison/Madrena WMA	6 - Upper Minnesota River	Wetland Enhancement	Public - WMA	Fish barrier installed	Non-Prorated Total:						300	0	0
					ETF	\$28.00	Professional Services	0.0	0	0			
					Other Funds	\$5.10	Personnel Expenditures	0.0	0	0			
					Other Funds	\$14.00	Professional Services	0.0	0	0			
Marsh Lake	6 - Upper Minnesota River	Outreach	Public - Lake	DU Project Number MN-129-1. DU contract biologist and staff biologists are providing technical assistance to DNR and the USACE regarding the improvement of the Marsh Lake dam and management of water levels in the lake.	Non-Prorated Total:						0	0	0
					ETF	\$115.00	Personnel Expenditures	0.0	0	0			
					ETF	\$265.30	Professional Services	0.0	0	0			
					Other Funds	\$14.00	Professional Services	0.0	0	0			
					Other Funds	\$237.36	Personnel Expenditures	0.0	0	0			
Nelson Lake	7 - Alexandria Moraine	Shallow Lake Survey / Design / Wetland Mapping	Public - Lake	DU Project Number MN-321-17. DU contracted biologist assisted a DNR lake survey and DU engineers who designed a new outlet water control structure and fish barrier for Nelson Lake in Pope County south of Glenwood. DNR will implement after they secure easements from landowner to construct.	Non-Prorated Total:						0	0	0
					ETF	\$6,511.16	Professional Services	0.0	0	0			
					ETF	\$17,957.48	Personnel Expenditures	0.0	0	0			
					Other Funds	\$69.50	Professional Services	0.0	0	0			
					Other Funds	\$9,687.10	Personnel Expenditures	0.0	0	0			

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
Nelson Lake	7 - Alexandria Moraine	Shallow Lake Survey / Design / Wetland Mapping	Public - Lake	DU Project Number MN-321-17. DU contracted biologist assisted a DNR lake survey and DU engineers who designed a new outlet water control structure and fish barrier for Nelson Lake in Pope County south of Glenwood. DNR will implement after they secure easements from landowner to construct.	Non-Prorated Total:			0	0	0
					State Funds	\$4,800.00	Personnel Expenditures	0.0	0	0
Nicholson WPA	3 - Border Prairie	Wetland Enhancement	Public - WPA	DU Project Number MN-72-1. DU engineers and biologists re-designed and constructed a new water control structure with a double rotating screen drum fish barrier on the outlet of a 100-acre shallow lake on the Nicholson WPA near Dalton in Otter Tail County. The project is visible from I-94.	Non-Prorated Total:			100	0	0
					ETF	\$407.74	Personnel Expenditures	0.0	0	0
					ETF	\$26,095.93	Restoration	31.5	0	0
					Other Funds	\$32,762.31	Personnel Expenditures	0.0	0	0
					Other Funds	\$56,819.18	Restoration	68.5	0	0
Ohlsrud Lake	3 - Border Prairie	Shallow Lake Survey / Design / Wetland Mapping	Private - Lake	DU Project Number MN-191-3. DU engineers surveyed and designed a water control structure and fish barrier for the outlet of Ohlsrud Lake in the Niemackl Lakes are near Herman in Grant County. DNR and DU will implement the design after DNR either designates the lake or obtains flowage easements from all riparian landowners.	Non-Prorated Total:			0	0	0
					ETF	\$3,076.14	Professional Services	0.0	0	0
					ETF	\$6,067.20	Personnel Expenditures	0.0	0	0
					Other Funds	\$264.10	Professional Services	0.0	0	0
					Other Funds	\$3,404.29	Personnel Expenditures	0.0	0	0
State Funds	\$4,800.00	Personnel Expenditures	0.0	0	0					

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
Pelican Creek WPA	3 - Border Prairie	Wetland Enhancement	Public - WPA	DU Project Number MN-5-1. DU engineers re-designed the water control structure on the outlet of a 100-acre shallow lake on Pelican Creek WPA in Grant County to include a catwalk for safety and management purposes and to include two more stoplog bays to allow for more discharge capacity and improve wetland draw-down capability. The project will be constructed under DU's Living Lakes Enhancement component of HCP Phase III.						
					Non-Prorated Total:			0	0	0
					ETF	\$27.80	Professional Services	0.0	0	0
					ETF	\$5,155.33	Restoration	0.0	0	0
					ETF	\$5,629.00	Personnel Expenditures	0.0	0	0
		Other Funds	\$4,929.59	Personnel Expenditures	0.0	0	0			
Puposky Lake, Beltrami County	2 - Mississippi Headwaters	Shallow Lake Survey / Design / Wetland Mapping	Public - Lake	DU Project Number MN-378-1. DU paid a consultant engineering firm to survey the outlet of Puposky Lake and provide recommendations to DU, DNR, and landowners regarding improvements and management of water levels in the lake for wild rice.						
					Non-Prorated Total:			0	0	0
					ETF	\$5,548.92	Professional Services	0.0	0	0
					Other Funds	\$1,348.92	Personnel Expenditures	0.0	0	0
Shible Lake	6 - Upper Minnesota River	Outreach	Private - Lake	DU Project Number MN-321-9. DU contracted biologist assisted the DNR in conducting a shallow lake survey of Shible Lake in Swift County and provided guidance to the landowners and DNR regarding management and improvement.						
					Non-Prorated Total:			0	0	0
					ETF	\$49.50	Personnel Expenditures	0.0	0	0
					ETF	\$238.00	Professional Services	0.0	0	0
					Other Funds	\$41.80	Professional Services	0.0	0	0
		Other Funds	\$77.98	Personnel Expenditures	0.0	0	0			

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
Simon Lake	7 - Alexandria Moraine	Wetland Enhancement	Private - Lake	DU Project Number MN-321-12. DU contracted biologist assisted DU engineers in working with landowners to survey, design, and construct a new fish barrier outlet culvert for Simon Lake in Pope County south of Glenwood.						
Non-Prorated Total:								620	0	0
					ETF	\$3,624.16	Professional Services	0.0	0	0
					ETF	\$7,523.02	Personnel Expenditures	0.0	0	0
					ETF	\$26,395.00	Restoration	620.0	0	0
					Other Funds	\$493.45	Professional Services	0.0	0	0
					Other Funds	\$6,074.17	Personnel Expenditures	0.0	0	0
					State Funds	\$5,000.00	Personnel Expenditures	0.0	0	0
Smith Lake, Wright County	8 - Big Woods North	Wetland Enhancement	Public - Lake	DU Project Number MN-335-1. DU engineers surveyed, designed, and constructed a high velocity tube fish barrier downstream of Smith Lake in Wright County to prevent rough fish from moving upstream and into the lake during spring fish migration.						
Non-Prorated Total:								0	0	0
					ETF	\$1,558.85	Professional Services	0.0	0	0
					ETF	\$5,850.97	Personnel Expenditures	0.0	0	0
					ETF	\$19,480.62	Restoration	0.0	0	0
					Other Funds	\$8,491.87	Personnel Expenditures	0.0	0	0
Steinlicht WPA	3 - Border Prairie	Wetland Enhancement	Public - WPA	DU Project Number MN-349-1. DU engineers and biologists surveyed, designed, and constructed a water control structure on the outlet of a 48-acre shallow lake on the Steinlicht WPA northwest of Hoffman in Grant County.						
Non-Prorated Total:								48	0	0
					ETF	\$1,289.43	Personnel Expenditures	0.0	0	0
					ETF	\$17,705.10	Restoration	21.6	0	0
					Other Funds	\$83.40	Professional Services	0.0	0	0
					Other Funds	\$21,179.31	Personnel Expenditures	0.0	0	0
					Other Funds	\$21,681.50	Restoration	26.4	0	0

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
Towner Lake WMA	3 - Border Prairie	Wetland Enhancement	Public - WMA	DU field biologist assisted the DNR in pumping down and treating 45-acre Little Towner Slough with rotenone to induce fish winterkill and rejuvenate aquatic vegetation. DU engineering staff also made some additional improvements to the outlet of the main Towner Slough that was constructed under 2f of HCP Phase 1.						
Non-Prorated Total:								45	0	0
				ETF	\$394.50	Personnel Expenditures		0.0	0	0
				ETF	\$5,529.95	Professional Services		0.0	0	0
				Other Funds	\$1,413.99	Professional Services		0.0	0	0
				Other Funds	\$10,494.11	Personnel Expenditures		0.0	0	0
Trace Lake	7 - Alexandria Moraine	Grassland Restoration	Private - Lake	DU Project Number MN-321-20. DU engineers surveyed and designed an improved fish barrier and water control structure for the outlet of Trace Lake near Grey Eagle in Todd County. The fish barrier will be constructed under HCP Phase 3.						
Non-Prorated Total:								0	0	0
				ETF	\$217.05	Professional Services		0.0	0	0
				ETF	\$15,555.75	Personnel Expenditures		0.0	0	0
				Other Funds	\$7,097.72	Personnel Expenditures		0.0	0	0
				State Funds	\$12,000.00	Personnel Expenditures		0.0	0	0
Upper Lightning Lake	3 - Border Prairie	Shallow Lake Survey / Design / Wetland Mapping	Public - Lake	DU Project Number MN-332-1. DU engineers surveyed and designed an outlet water control structure that will allow DNR to actively manage water levels and conduct periodic drawdowns to winterkill fish and rejuvenate aquatic plants and invertebrates in Upper Lightning Lake in southwestern Otter Tail County. The project will be constructed in HCP Phase III or IV after the DNR legally designates the lake for wildlife management purposes.						
Non-Prorated Total:								0	0	0
				ETF	\$4,926.49	Personnel Expenditures		0.0	0	0
				Other Funds	\$4,096.10	Personnel Expenditures		0.0	0	0

Project Name	Project Area	Activity	Land Type	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Shoreline	Number
West Solomon Lake	7 - Alexandria Moraine	Grassland Restoration	Private - Lake	DU Project Number MN-321-18. DU contracted biologist provided technical assistance to landowners and DU engineers inspected in advance of a survey and design of a new outlet water control structure and fish barrier for West Solomon Lake in Kandiyohi County north of Willmar. DU will survey and design the structure in 2006 and DNR will implement after they secure easements from landowners to construct and manage the structure.						
Non-Prorated Total:								0	0	0
					ETF	\$1,085.15	Personnel Expenditures	0.0	0	0
					ETF	\$2,199.35	Professional Services	0.0	0	0
					Other Funds	\$208.50	Professional Services	0.0	0	0
					Other Funds	\$1,863.80	Personnel Expenditures	0.0	0	0

Williams Lake	7 - Alexandria Moraine	Shallow Lake Survey / Design / Wetland Mapping	Private - Lake	DU Project Number MN-321-19. DU engineers surveyed and designed a new outlet water control structure and fish barrier for Williams Lake in Todd County east of Osakis. DNR will implement after they secure easements from several landowners to construct and manage the structure.						
Non-Prorated Total:								0	0	0
					ETF	\$2,244.19	Professional Services	0.0	0	0
					ETF	\$10,132.25	Personnel Expenditures	0.0	0	0
					Other Funds	\$6,977.14	Personnel Expenditures	0.0	0	0
					State Funds	\$5,000.00	Personnel Expenditures	0.0	0	0

Work Program Totals:

ETF	\$436,789.39	-	3,835.2	0	0
Other Funds	\$333,230.62	-	120.7	0	0
State Funds	\$48,900.00	-	0.0	0	0
Partner's State Leveraged Funds	\$0.00	-	0.0	0	0
Other	\$0.00	-	0.0	0	0

2C: Wildlife Lakes Enhancement Easements - PHASE II

Project Name	Project Area	Description	Funding Type	Funding Amount	Funds Use	Prorated Acres	Grassland Acres	Wetland Acres	Woodland Acres	Shoreline (feet)	Riparian (feet)
Lindquist Easement	3 - Border Prairie	John Lindquist donated a conservation easement to DU on 170 acres along lakes Christina, Anka, and Ina in northwest Douglas County. The easement donation land value was appraised at \$548,520, and the donor also contributed stewardship cash and paid fees associated with donating the easement.									
Non-Prorated Total:						170.0	0.0	0.0	0.0	0.0	0.0
		Other Funds		\$7,848	Fees	0.0	0.0	0.0	0.0	0.0	0.0
		Other Funds		\$8,215	Personnel Expenditures	0.0	0.0	0.0	0.0	0.0	0.0
		Other Funds		\$18,725	Stewardship	5.6	0.0	0.0	0.0	0.0	0.0
		Other Funds		\$548,520	Donated Easement Value	164.4	0.0	0.0	0.0	0.0	0.0

Work Program Totals:

ETF	\$0.00	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Funds	\$583,308.00	-	170.0	0.0	0.0	0.0	0.0	0.0	0.0
State Funds	\$0.00	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Partner's State Leveraged Funds	\$0.00	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	\$0.00	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0