

Conservation Partners Legacy Grants - Online Applications

Jamie Gangaware

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Project Summary

Project Name and Contact

Project Name:	Crow Wing County Jack Pine/White Pine Restoration	Project Manager:	Jacob A. Frie
		Title:	Natural Resource Manager
Organization Name:	Crow Wing County	Phone:	218-824-1354
Organization Type:	Government	Email:	jacob.frie@co.crow-wing.mn.us
Mailing Address 1:	Land Services Building		
Mailing Address 2:	322 Laurel Street, Suite #12		
City:	Brainerd		
State:	MN		
Zip Code:	56401		

Project Location Summary

Primary County:	Crow Wing	Secondary Land Ownerships:	
Nearest City:	Brainerd		
Project Site Name:	Crow Wing County Jack Pine/White Pine Restoration		
Primary Land Ownership:	County		

Project Activity Summary

Primary Activity:	Restoration	Primary Habitat Type:	Forest
Additional Activities:	Enhancement	Additional Habitats:	
Total Project Sites:	8		
Total Project Acres:	202		

Project Funding Summary

Total Grant Amount Requested:	\$79,727
Total Match Amount Pledged:	\$8,058
Additional Funding:	
Total Project Cost:	\$87,785
Estimated Project Completion Date:	2014-06-29

Summary

Jack pine woodlands and mixed conifer forests have been decreasing across the landscape in CWC, especially compared to their historic abundancies. The proposal is to restore (plant) and protect approximately 200 acres of jack and white pine habitat in priority areas across Crow Wing County. The expected results are increased and enhanced wildlife habitat for many species while also achieving the goal of increasing conifer forests on the landscape. This will occur within the realm of "working conifer forests" which have declined over the last 100 years.

Problem Statement

Pine forests have been rapidly decreasing across the landscape in CWC, especially compared to its

historic abundancy on the landscape. Records indicate that 15% of Crow Wing County (CWC) was in conifer covertype in presettlement conditions. By the end of the late 1990's, that number has shrunk to just over 4%. On CWC administered/managed land, the amount of jack pine covertype acres has shrunk by an astonishing 70% in the last 12 years (from 1997 to 2009) from almost 1,500 acres to just over 425 acres. A combination of large-scale influences have occurred over the last 100 years to create these conditions. First, human encroachment and subsequent need for fire suppression to protect real estate investments has reduced the chances of jack pine's principal means of establishment: fire. Second, a drastic increase in local deer populations and densities have made jack pine an easy and nutritious target for herbivory. Lastly, as a result of challenges regenerating jack pine, CWC has, over the last 5 years, begun to switch its planted species to one that may not be best suited for the site, but instead resistant to deer and small mammal browse. This has the potential for drastic ecological influences over the landscape (i.e., matching the best/most appropriate species at the site level). In the case of white pine, its decline can be traced to the introduction of a blister-rust fungus and the intense wild fires and land clearing that followed off the complete clearcutting of mixed pine forests in the late 1800's – early 1900's. Its terrestrial habitat has declined by more than 50% since the 1890s in the Pine Moraine and Outwash Plains subsection ("Tomorrow's Habitat", p. 174).

Project Objectives

The expected result is 89 acres of restored jack pine habitat and 112 acres of restored white pine mixed-forest habitat. The benefits of the project include wildlife habitat restoration and helping to restore species historic range of occurrence over the landscape. Jack pine woodlands provide important habitat for primarily forest edge and shrub transitional species. Because some sites have aspen and oak inclusions within the plantable area, the area is well-suited for a variety of wildlife, and the effect of a monoculture "plantation" feel will be mitigated. Both jack and white pine is a commercially diverse species, used for pulpwood, lumber, telephone poles, railroad ties, and biomass among other uses. As the respective stands approach "rotation age", management strategies will focus on silvicultural tools that promote natural seeding methods as a principal regeneration strategy.

Methods

PRE-STEP A: Some planting sites have not been harvested or are currently in the process of being harvested. They will need to be harvested first before planting can be conducted. Most sites are summer timber sales with random skidding scarification as the site preparation method. **STEP 1:** Some planting sites have not been scarified adequately during the previous timber harvest in order to expose mineral soil for micro-habitats for seedlings. They will need mechanical scarification in the form of a "disc trencher." This will be contracted out. Other planting sites will be directly planted without additional scarification. All white pine sites will be planted in this way. **STEP 2:** Tree seedlings will be ordered and planted on the planting sites. The trees will be planted by either Minnesota Conservation Corps (MCC) staff or contracted out in a bid process. The contract will be administered by CWC Natural Resource Managers. **STEP 3:** Browse protection measures will be put into place. Several methods are available, and they vary by site and potential severity of browse damage. At a minimum, every site will receive some form of protection. This includes bud caps secured over the terminal "shoot", mesh tubes placed over the seedlings, and/or deer repellent (i.e., PlantSkydd). All protection measures will be performed by either MCC staff or contracted out to highest bidder. The protection contracts will be administered by CWC Natural Resource Managers. **STEP 4:** Regeneration/mortality surveys will be conducted by CWC Natural Resource Managers one year after the initial planting in the spring. This will ensure plantings are adequately growing and surviving. If survival and stocking is inadequate, the site will be supplementally planted and protected.

Project Timeline

Time Frame	Goal
Spring, 2011	Plant sites 3, 5, & 8
Fall, 2011	Site prep sites 1 & 2
Fall, 2011	Gather jack pine seeds from local seed orchard
Fall, 2011	Protect sites 3, 5, & 8

Spring, 2012	Plant sites 1, 2, 4, 6, & 7
Spring, 2012	Regeneration survey of sites 3, 5, & 8
Fall, 2012	Protect sites 1 thru 8
Spring, 2013	Regeneration survey of sites 1, 2, 4, 6, & 7
Fall, 2013	Protect sites 1 thru 8

Identify short and long term maintenance and management work required to sustain this project and source(s) of funding

Work needed	Who is responsible	Funding source
Plant all sites (JP or WP)	Contractor or MCC	Grant
Site prep	Contractor	Grant
Gather jack pine seeds	CWC staff w/STS crew	In-kind
Protect all sites (i.e., bud cap, repellent, etc.)	Contractor or MCC	Grant
Regeneration survey	CWC staff	In-kind

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Answer each of the following questions in 1000 characters or less; descriptions/definitions are available in the [Criteria and Scoring Table](#).

1. Describe the local support for this project.

A CWC board motion on September 14, 2010 approved matching funds and general support for the project. CWC commissioners support the project in the form of a commitment letter. Support was also given by the Land Services Supervisor to commit resources for the proposal in the form of a written letter. The MFRC North Central Landscape Committee supports the planting of pine in the proposed planing area ecological regions. Also, a report by the MN DNR White Pine Regeneration Strategies Work Group mentioned that counties that establish white pine should be recognized and receive priority in the allocation of funds. In one planting site (City of Baxter), plans for under planting white pine were sent to area landowners, including the city council, seeking input. No opposition was voiced.

2. Describe the degree of collaboration for this project.

CWC Public Land Management has been a member of the Minnesota Tree Improvement Cooperative (MTIC) since 1985. The MTIC and CWC have a shared goal of selecting and breeding trees which grow faster, have better form, and are more disease resistant than those which currently exist. CWC also has two jack pine seed orchards in the county which means that CWC is in a great position to grow outstanding jack pine. Seeds for planting will be derived from this "local" ecotype source for planting. Minnesota Conservation Corps and/or local Sentenced to Serve crews may be used to help plant/protect trees and gather local seed sources.

3. Describe any urgency associated with this project.

This project will conduct planting without the use of herbicides and with limited site preparation. In two jack pine sites, the seed bed will be prepared using "trencher" mechanical scarifier. Because of the lack of vegetation control, it is essential that the timing of plantings occurs soon after harvest or disturbance. This will limit the potential for competition problems. On some sites, harvesting the over story before planting will capture mortality in a way that waiting cannot.

4. Discuss if there are multiple benefits resulting from your project, identifying those species, habitats, etc.

Both jack and white-red pine habitats are listed as a "Key Habitat" in the MN Wildlife Action Plan. Jack pine habitat is suitable for the Connecticut Warbler and the Nashville Warbler. Because many sites have hardwood inclusions, the effect of a monoculture "plantation" feel will mitigated. This will increase the visual quality. Multiple sites occur near riparian management zones in recently harvested areas. Absent of trees, water quality may be threatened due to increased runoff and/or erosion.

5. Discuss the habitat benefits resulting from your project.

Both jack and white-red pine habitats are listed as a "Key Habitat" in the MN Wildlife Action Plan. Jack pine habitat is suitable for the Connecticut Warbler, the Nashville Warbler, and the Black-Billed Cuckoo. Their habitats are home to the second and third most species richness among the nine terrestrial habitats listed (p. 174). Jack pine woodlands provide important habitat for primarily forest edge and shrub transitional species. Small mammals include red squirrels, red-backed voles, and white-footed mice. Because some planting sites have aspen and oak inclusions within the plantable area, the area is well-suited for a variety of wildlife, and the effect of a monoculture "plantation" feel will mitigated. White pine sites in particular provide vital thermal cover in the winter to mammals.

6. Describe how your project is consistent with sound conservation science.

According to the "Field Guide to the Native Plant Communities of Minnesota", the areas to be planted to jack pine fit well with the ecological history of the site (i.e., full sunlight following moderate to severe disturbance patterns). The same goes for white pine plantings (i.e., mixed conifer forest in a non-monoculture planting arrangement). The planting methods and silvicultural system concurs with the Manager's Handbook for species In The North Central States.

7. Indicate if your project is adjacent to protected lands, describing those lands (ownership, public access, etc.)

This project does not involve work near any protected lands. However, there are areas of private land adjacent to some of the project locations. Adjacent lands are all county lands which have wetland, wildlife, and conservation protection values associated with them. Multiple public uses are allowed.

8. Discuss if there is full funding secured for this project and the sources of funding.

Grant and match dollars will cover all costs for the projects.

9. Discuss if CPL Grant funds will supplement or supplant existing funding. Discuss how these CPL funds will impact your organization's current budget.

CPL Grant funds will supplement existing funding. CWC has funds available each year for annual small-scale conifer plantings (i.e., maintenance). However, this project's scope and effects go beyond that available fund, in that the goal is to enhance and increase wildlife habitat by creating new plantings in order to achieve landscape level objectives. Costly deer browse protection has been an increasing problem, financially, in our efforts to regenerate jack/white pine.

10. Describe public access at project site for hunting and fishing, identifying all open seasons.

Public hunting, trapping, and fishing (where applicable) is allowed at all of the project sites. Open hunting seasons includes whitetail deer, black bear, wild turkey, grouse, rabbit, squirrel, fox, waterfowl, etc. All species listed in the MN DNR Hunting/Fishing Regulations are open to hunting and fishing on CWC managed lands.

11. Describe the sustainability of your project.

With the protection measures proposed in this project including browse protection and regeneration surveys, there is a high probability for success. The lands (most of which are tax-forfeited) are almost assuredly not going to be sold and our office will continue to exist in perpetuity for the primary purposes of "forest management" per state statutes. Managers of the forest are Natural Resource Professionals, trained and qualified at accredited institutions for the purpose of growing and tending forests.

12. Discuss use of native vegetation (if applicable).

CWC has two jack pine seed orchards which means that it is in a great position to grow outstanding jack pine. The seeds will be (have been in the past) collected from this "local" ecotype source for planting. White pine will be grown at the MN DNR nurseries. Also, all planting sites have a completed Native Plant Community survey that shows good to excellent suitability for all sites for both species planted. Jack pine planting sites are FDC24 and FDC34. White pine planting sites are MHc26.

13. Discuss your budget and why it is cost effective.

The budget includes only the necessary costs to ensure that jack pine and white pine mixed forests are restored and protected. The estimated costs are based on recent supplies ordered and contracts paid in 2009. Seedlings will be ordered at high volume from a qualified grower (DNR) and planted at multiple planting sites. This means economies of scale plays in our favor. Very limited monies are being spent on site preparation costs and administration costs are matched.

14. Describe your organization's ability to successfully complete this work, including experience in the area of interest and ability to successfully implement the proposed project. Include descriptions of your most recent grant experience and if the expected outcomes were achieved.

CWC-Public Land Management manages over 103,000 acres of tax-forfeited forestland and is third-party dual-certified to two of the leading certification bodies in the world: the Forest Stewardship Council (FSC) and the Sustainable Forestry Initiative (SFI).

CWC-Public Land Management has qualified and dedicated natural resource professionals and support staff to accomplish and complete this project. CWC has been successful recently in securing \$100,000 in grant funds from the Iron Range Resources and Rehabilitation Board (IRRRB) to develop Phase 1 of the Milford Mine Memorial Park near Crosby, MN. Project development of Phase 1 will be completed in September 2010. Proposals and outcomes for Phase 1 of the park development project have gone smoothly and are near completion.

15. Discuss how your project supports landscape level plans. Use additional sources for information if needed or available.

The MFRC's North Central Landscape Committee goals for the dry-mesic pine-oak ecological system, is to establish jack pine in the young age classes (p. 12). Broad landscape goals for the Pine Moraines & Outwash Plain are to increase jack and white pine over the landscape. Currently, two landtype associations within the subsection that occur in CWC have declining jack pine covertype numbers. This planting project will serve to increase both jack and white pine to their historic range of variability.

16. Discuss how your project supports species plans. Use additional sources for information if needed or available.

The project promotes the establishment of early successional forest types (i.e., jack pine woodland), which is an important habitat for ruffed grouse and woodcock. This project also promotes mixed pine forests (i.e., white pine) which are important habitat for white-tailed deer, spruce grouse, and pine martin (p. 13). These species plans are supported by the MN DNR's "Vision for Wildlife and its Use – Goals and Outcomes, 2005-2012." The MN DNR's "Long-Range Plan for Wild Turkey in Minnesota" states that food and roosting cover are the two most important habitat components for wild turkeys during the fall and winter. Turkeys use mature hardwood and conifer stands for roosting (p. 4). During winter, the use of conifers by wild turkeys for roosting might provide additional thermal protection. SFRMP (DNR) plans promote increasing jack pine on the landscape as well as introducing white pine as a mixed component in forests which this project supports.

17. Discuss how your project conforms to the Statewide Conservation and Preservation Plan.

The Statewide Conservation and Preservation Plan (SCPP) has identified many critical land habitats throughout the state based on an integrated approach that considers such issues as SGCN, outdoor recreation such as hunting and fishing, protection of water quality, and threats to these resources. All of the project sites are open to outdoor recreation such as hunting and fishing. Also, the focus of this project is the restoration and protection of jack and white pine mixed forests which are key habitats for a large variety of SGCN. The SCPP allows considerable flexibility for conservation of lands and appropriate protection of economic activity such as logging or other compatible uses. This project conforms very well to the SCPP in that it focuses on critical habitat protection and restoration, as well as the opportunity for some economic activity in the future (p. 63).

18. Discuss how your project conforms to the State Wildlife Action Plan (if applicable).

Both jack and white-red pine habitats are listed as a "Key Habitat" in the MN Wildlife Action Plan. Jack pine habitat is suitable for the Connecticut Warbler and the Nashville Warbler. Their habitats are home to the second and third most species richness among the nine terrestrial habitats listed ("Tomorrow's Habitat", p. 174).

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Site Information

*you may group your project sites together as long as land ownership, activity and habitat information is the same for the land manager

Land Manager

Name:	Kirk Titus	Phone:	218-824-1138
Organization:	Crow Wing County	Email:	kirk.titus@co.crow-wing.mn.us
Title:	Land Services Supervisor		

Site Information

Land Ownership:	County	Acres:	27
Site Name(s):	1	Click here to View Site Map	
Activity:	Restoration		
Habitat:	Forest		

Site Information

Land Ownership:	County	Acres:	9
Site Name(s):	2	Click here to View Site Map	
Activity:	Restoration		
Habitat:	Forest		

Site Information

Land Ownership:	County	Acres:	13
Site Name(s):	3	Click here to View Site Map	
Activity:	Restoration		
Habitat:	Forest		

Site Information

Land Ownership:	County	Acres:	20
Site Name(s):	4	Click here to View Site Map	
Activity:	Restoration		
Habitat:	Forest		

Site Information

Land Ownership:	County	Acres:	21
Site Name(s):	5	Click here to View Site Map	
Activity:	Restoration		
Habitat:	Forest		

Site Information

Land Ownership:	County	Acres:	70
Site Name(s):	6	Click here to View Site Map	
Activity:	Restoration		
Habitat:	Forest		

Site Information

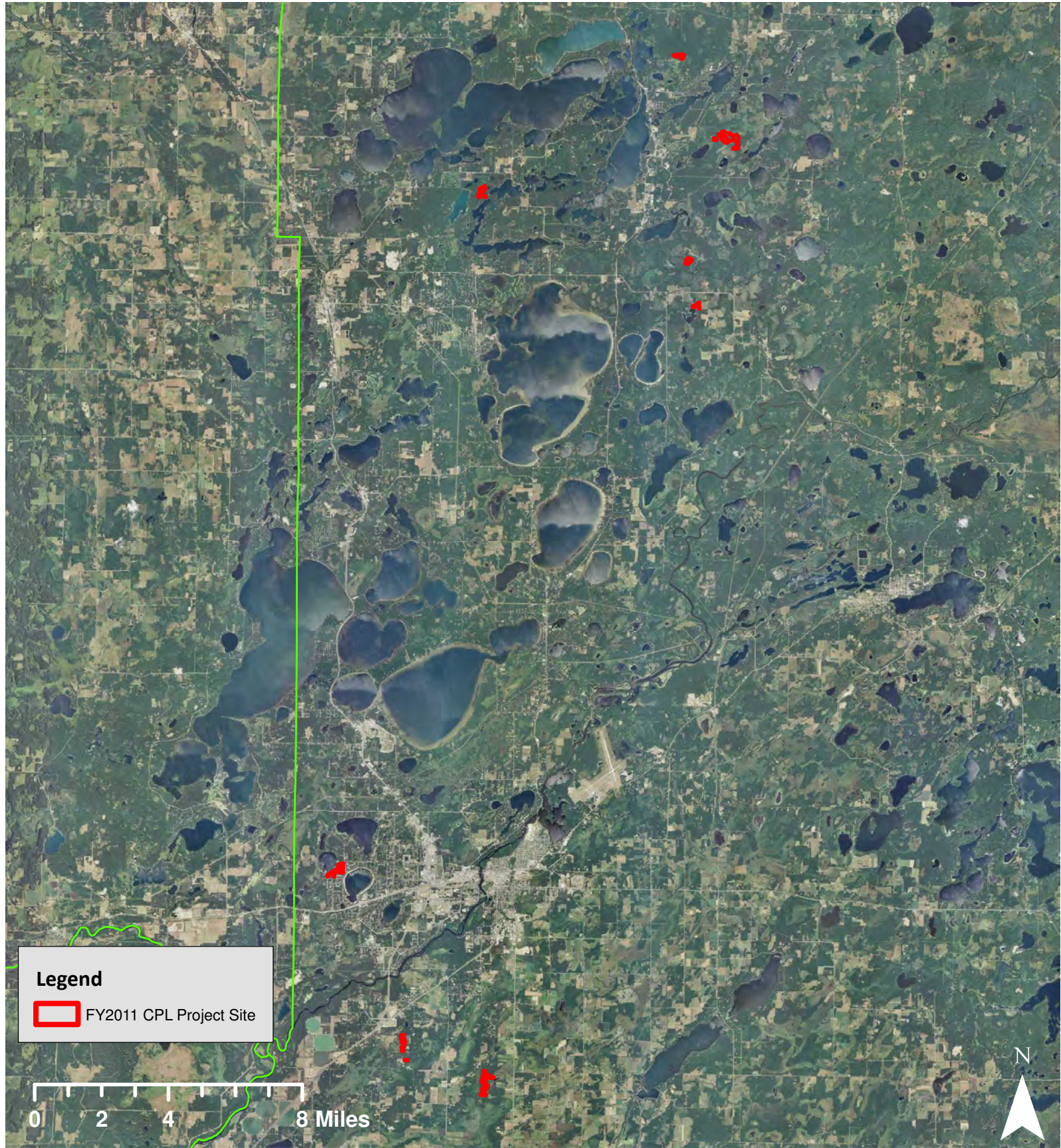
Land Ownership:	County	Acres:	13
Site Name(s):	7	Click here to View Site Map	
Activity:	Restoration		
Habitat:	Forest		


Site Information

Land Ownership:	County	Acres:	29
Site Name(s):	8	Click here to View Site Map	

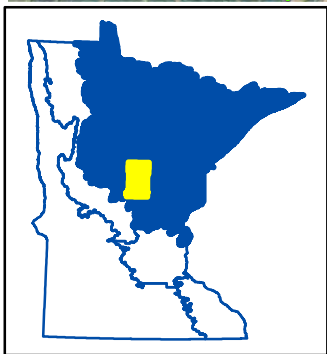
Activity:
Habitat:

**Restoration
Forest**



Legend
 FY2011 CPL Project Site

0 2 4 8 Miles



CPL FY11-049
**Crow Wing County Jack Pine/
 White Pine Restoration**
Crow Wing County
LSOHC Northern Forest Planning Section



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Budget Information

Organization's Fiscal Contact Information

Name:	Kirk Titus	Street Address 1:	Land Services Building
Title:	Land Services Supervisor	Street Address 2:	322 Laurel Street, Suite #12
Email:	kirk.titus@co.crow-wing.mn.us	City:	Brainerd
Phone:	218-824-1138	State:	MN
		Zip Code:	56401

Budget Subtotals

Budget Item	Grant	Match	Total		
Personnel	\$6,560	\$1,440	\$8,000		
Contracts	\$37,650		\$37,650		
Fee Acquisition with PILT					
Fee Acquisition without PILT					
Easement Acquisition					
Easement Stewardship				In-kind Total	Cash Total
Travel (in-state)		\$1,075	\$1,075	\$2,515	\$6,013
Professional Services					
DNR Land Acquisition Cost					
Equipment/Tools/Supplies	\$35,517	\$5,543	\$41,060		
Additional Budget Items					
Total:	\$79,727	\$8,058	\$87,785		

Details

Personnel

Name	Title / work to be completed	Amount	Grant/Match	In-kind/Cash
Jacob Frie	JP Seed collection oversight	\$256	Grant	
Jacob Frie	Seedling plant/prot.oversight	\$5,696	Grant	
Jacob Frie	Regeneration surveys	\$512	Grant	
Jacob Frie	Trenching site prep oversight	\$96	Grant	
Jacob Frie	Seedling plant/prot oversight	\$1,440	Match	In-kind
Totals	Grant: \$6,560 Match: \$1,440	Total: \$8,000		

Contracts

Contractor Name	Contracted Work	Amount	Grant/Match	In-kind/Cash
To Be Determined	Site prep, plant, and protect	\$2,793	Grant	
To Be Determined	Planting jack/white pine sites	\$6,473	Grant	
To Be Determined	Bud capping/ tubing pine sites	\$19,880	Grant	
To Be Determined	Repellent application	\$8,504	Grant	
Totals	Grant: \$37,650 Match: \$0	Total: \$37,650		

Travel (in-state)

Use	Purpose	Amount	Grant/Match	In-kind/Cash
Oversight	Contract/regen site oversight	\$1,075	Match	In-kind
Totals	Grant: \$0 Match: \$1,075	Total: \$1,075		

Equipment/Tools/Supplies

Item	Purpose	Amount	Grant/Match	In-kind/Cash
Tree seedlings	Planting for generation	\$16,031	Grant	
Plantskyd	Browsing repellent	\$3,546	Grant	
Mesh tubes/ stakes	White pine protection	\$15,470	Grant	
Printing paper	Bud caps for protection	\$470	Grant	Cash
Tree seedlings	Planting for generation	\$5,543	Match	Cash
Totals	Grant: \$35,517 Match: \$5,543	Total: \$41,060		

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Project Review and Approval

A Project Review and Approval Form must be completed by each Land Manager named within the Site Info tab and Land Managers only need to complete one form for all sites they manage. Submitting this form fulfills the following requirements:

- Provides the results of the Natural Heritage Database Review,
- Allows for technical review of the project by the Land Manager, and
- Verifies that the public agency approves the work to be done (or acquisition) on land they manage.

You, as the applicant, are responsible for meeting with the Land Manager and receiving a completed Project Review and Approval Form. This form must contain an original signature from the Land Manager and you must upload it below as a PDF.

Each project will require at least one Project Review and Approval form. You may attach up to 4 forms on this page, but if you need more room you may attach up to three more on the "Additional Info" tab. If your project is working under 3 Land Managers, you must receive and submit a form from each manager.

No late Project Review and Approval Forms will be accepted. Applications lacking any necessary approval forms will be deemed incomplete and not considered for funding.

Answer the following questions, then attach the form(s)

Yes **Natural Heritage elements were found within my project site(s):**

Name the site(s) and their associated Land Managers:

Site #8: City of Baxter – section 2 (CWC, City of Baxter, and Private) Site #6: City of Crosslake – section 14/23 (CWC, MN DNR, and Private) Site #3: Mission Township – section 4 (CWC, MN DNR, and Private) Site #4: Ideal Township – section 27 (MN DNR and Private)

Name the elements found:

[REDACTED]

Discuss any interaction or impact to these elements and the recommended mitigation / avoidance measures you will take within your project to protect these elements:

Site 8, City of Baxter, section 2, which has [REDACTED], will have interaction to the NHDB element. Because the plantings will occur in April or May (early spring), no impact on the elements will occur. This is because [REDACTED]

(SOURCE: Minnesota DNR Div. of Ecological Resources Review Fact Sheet: Recommendations for Avoiding and Minimizing Impacts to [REDACTED]).

Project Review and Approval Forms

Uploaded Form 1

CPL Project Review and Approval Form

REVIEWER INFORMATION:

Land manager/ easement holder name:	Kirk Titus
Agency:	Crow Wing County
Title:	Land Services Supervisor
Phone:	218-824-1138
Email:	kirk.titus@co.crow-wing.mn.us

PROJECT INFORMATION:

Project Name:	Crow Wing County Jack Pine/White Pine Restoration
Contact Person:	Jacob Frie
Organization:	Crow Wing County
Email:	jacob.frie@co.crow-wing.mn.us

Please check the appropriate boxes:

I have read the application and discussed this proposed project

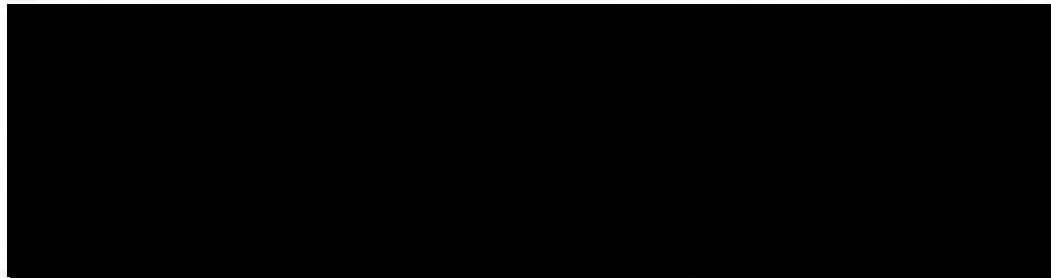
with the above listed Organization Contact Person.

For work on easements, the private landowner has been contacted and has given support and approval for this project.

I have performed a Natural Heritage Database review and found:

this project to have no features within one mile.

this project to have features within one mile, but project is not likely to adversely affect those features. I have listed the features below and recommended the following minimization strategy:



this project is likely to adversely affect Natural Heritage features. I feel that this project is important and should be forwarded to DNR Ecological Resources staff for further review.

I do not have access to the Natural Features database and will forward this completed form to DNR by Friday, August 27th 2010 to [CPL Staff](mailto:CPLStaff@DNR.state.mn.us) at LSCPLGrants.DNR@state.mn.us to complete the Natural Heritage Review.

I have discussed what role my office will be expected to have in this project and find that the project, as described will require:

minimal or no involvement from my office for completion.

a commitment of involvement by staff that is reasonable and can be accomplished with current staffing levels and workload.

an amount of staff involvement that cannot be committed during the project time period with current staffing levels. Unless additional staffing can be committed from other offices, Divisions or appropriate partners, I feel this project cannot be completed within the project timeline to our desired standards.

I have discussed permits and applications that the applicant may be responsible for using the Working on DNR Lands and Working on Public Lands, or Working on Private Lands documents.

CPL Project Review and Approval Form

For Acquisitions Only:

- This project is for an acquisition to be transferred to a public agency by applicant:
- I have discussed any required Initial Development (facilities, habitat, etc.) work that is required before the transfer with the applicant.
 - I have discussed all applicable costs of those developments and what party is responsible for those costs.

Complete the following cost tables (required work to bring to agency standards).

Habitat Development	# Acres	Cost/ Acre	Total	Funding Source	Applicant is responsible for:
Prairie Grassland					Choose
Forest/ Woody Cover					Choose
Wetland					Choose
Totals					

Facility Development	Cost	Funding Source	Applicant is responsible for:
Boundary Survey			Choose
Posting/ Fencing			Choose
Wood Routed Sign			Choose
Access Roads and Trails			Choose
User Facilities, Access, Parking Lots			Choose
Well Sealing/ Site Clean-up			Choose
Total			

Upon final review of this project:

- I find this project to be consistent with sound conservation science. This work will benefit area fish, game and wildlife by restoring, enhancing or protecting forests, wetlands, prairies and habitat and is consistent with the management or stewardship plan for this land. (APPROVAL)
- I find that this project does not follow the management or stewardship plan for this land and does not fit within the long range goals for this land at this time on the local level. (DECLINE)
- I find that this project should be sent up to a higher level within the agency for further review and decision. I have forwarded the Project Planning Form and this Review and Approval Form for further review to:

Name:	Kirk Titus	Phone:	218-824-1138
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By checking this box and signing my name below I certify that I have met with the above applicant and discussed the proposed project and have provided feedback to the applicant. I understand I must provide this document as a PDF with my original signature on it to the applicant to submit a complete application.

Name: Kirk Titus Date: 9-13-10

Comments:

CPL Project Review and Approval Form

REVIEWER INFORMATION:

Land manager/ easement holder name:	Kirk Titus
Agency:	Crow Wing County
Title:	Land Services Supervisor
Phone:	218-824-1138
Email:	kirk.titus@co.crow-wing.mn.us

PROJECT INFORMATION:

Project Name:	Crow Wing County Jack Pine/White Pine Restoration
Contact Person:	Jacob Frie
Organization:	Crow Wing County
Email:	jacob.frie@co.crow-wing.mn.us

Please check the appropriate boxes:

- I have read the application and discussed this proposed project with the above listed Organization Contact Person.
- For work on easements, the private landowner has been contacted and has given support and approval for this project.

I have performed a Natural Heritage Database review and found:

- this project to have no features within one mile.
- this project to have features within one mile, but project is not likely to adversely affect those features. I have listed the features below and recommended the following minimization strategy:



this project is likely to adversely affect Natural Heritage features. I feel that this project is important and should be forwarded to DNR Ecological Resources staff for further review.

I do not have access to the Natural Features database and will forward this completed form to DNR by Friday, August 27th 2010 to [CPL Staff at LSCPLGrants.DNR@state.mn.us](mailto:CPLStaff@LSCPLGrants.DNR.state.mn.us) to complete the Natural Heritage Review.

I have discussed what role my office will be expected to have in this project and find that the project, as described will require:

- minimal or no involvement from my office for completion.
- a commitment of involvement by staff that is reasonable and can be accomplished with current staffing levels and workload.

CPL Project Review and Approval Form

an amount of staff involvement that cannot be committed during the project time period with current staffing levels. Unless additional staffing can be committed from other offices, Divisions or appropriate partners, I feel this project cannot be completed within the project timeline to our desired standards.

I have discussed permits and applications that the applicant may be responsible for using the Working on DNR Lands and Working on Public Lands, or Working on Private Lands documents.

CPL Project Review and Approval Form

For Acquisitions Only:

- This project is for an acquisition to be transferred to a public agency by applicant:
- I have discussed any required Initial Development (facilities, habitat, etc.) work that is required before the transfer with the applicant.
 - I have discussed all applicable costs of those developments and what party is responsible for those costs.

Complete the following cost tables (required work to bring to agency standards).

Habitat Development	# Acres	Cost/ Acre	Total	Funding Source	Applicant is responsible for:
Prairie Grassland					Choose
Forest/ Woody Cover					Choose
Wetland					Choose
Totals					

Facility Development	Cost	Funding Source	Applicant is responsible for:
Boundary Survey			Choose
Posting/ Fencing			Choose
Wood Routed Sign			Choose
Access Roads and Trails			Choose
User Facilities, Access, Parking Lots			Choose
Well Sealing/ Site Clean-up			Choose
Total			

Upon final review of this project:

- I find this project to be consistent with sound conservation science. This work will benefit area fish, game and wildlife by restoring, enhancing or protecting forests, wetlands, prairies and habitat and is consistent with the management or stewardship plan for this land. (APPROVAL)
- I find that this project does not follow the management or stewardship plan for this land and does not fit within the long range goals for this land at this time on the local level. (DECLINE)
- I find that this project should be sent up to a higher level within the agency for further review and decision. I have forwarded the Project Planning Form and this Review and Approval Form for further review to:

Name:	Kirk Titus	Phone:	218-824-1138
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By checking this box and signing my name below I certify that I have met with the above applicant and discussed the proposed project and have provided feedback to the applicant. I understand I must provide this document as a PDF with my original signature on it to the applicant to submit a complete application.

Name:

Kirk Titus

Date:

11/24/10

Comments:

Project Review and Approval Tab

If Natural Heritage elements have been found at project sites, answer the following questions:

Name the site(s) and their associated Land Managers: 350 character limit

Plan "B" sites: T137 R27 – sec. 34 (CWC, MN DNR, and Private)

Plan "C" site: T136 R 27 – sec. 3 & 4 (CWC and Private)

Name the elements found: 350 character limit

Plan "B" sites: T137 R27 – sec. 34 (

Plan "C" site: T136 R 27 – sec. 3 &

Discuss any interaction or impact to these elements and the recommended mitigation / avoidance measures you will take within your project to protect these elements:

500 character limit

Plan "B" sites (T137 R27 – sec. 34) will have interaction with t

is sensitive to development and OHV use, which does not fall within the scope of this project, as it will be re-forested (planted).

Conservation Partners Legacy Grants - Online Applications

Jamie Gangaware

Admin

[List Applications](#)

[Summary Spreadsheet](#)

[Log Out](#)

Project Summary

Project Info

Site Info

Budget Info

Review & Approval

Additional Info

Application Submission

Additional Information

List any additional details about your project here. Include your organization's history or charter to receive private contributions for local conservation or habitat projects. This is not required.

The Land Services Department contains three units; 1.) Environmental Services (ES), 2.) Public Land Management (PLM) and 3.) Property Valuation and Classification (PVC) 1.) ES is responsible for planning and zoning functions, solid waste management, and county survey and addressing functions. 2.) PLM is responsible for managing tax forfeit property. PLM is responsible for the County's forestry, recreation and related land management activities encompassing 103,000 acres of county public forest land. 3.) PVC performs the annual valuation and classification of property values county wide for property tax purposes under a process established by the state legislature. PLM is a unit within the Crow Wing County Land Services Department.

Supplemental Documents

If you / your project does not need to upload any of these documents, you may leave these upload boxes empty.

Upload additional information here, limited to Partner Commitment Letters, Letters of Support, Easement information, etc. You may email easement information only if it exceeds size limit while trying to submit the application; all other supporting documentation must be uploaded. Reference CPL Application # and name when emailing (provided upon application submission) or your email will be returned. Send emails to

LSCPLGrants.DNR@state.mn.us

Uploaded Document 1

Land Services Department

Mark B. Liedl, Land Services Director

Land Services Building

322 Laurel Street

Brainerd, MN 56401

218-824-1296



CROW WING COUNTY

BRAINERD, MINNESOTA 56401

Mark.Liedl@co.crow-wing.mn.us

September 14, 2010

Kirk Titus
Public Land Management Supervisor
322 Laurel St. Suite 12
Brainerd, MN 56401

Re: Letter of Commitment for Legacy Grant Project

Mr. Kirk Titus:

Crow Wing County is very pleased to support the Legacy Grant project identified below:

Project name: **Crow Wing County Jack Pine-White Pine Restoration**

Project Applicant: **Crow Wing County Public Land Management**

Crow Wing County will provide matching funds during 2011-13 in the amount of \$7,400 to assist in the restoration of the jack pine and white pine resource that has been in decline in Crow Wing County over the last few decades. The funds to be dedicated to this project are funds that do not have any state origin.

As you know, all Crow Wing County commissioners support this project and stand ready to support you in any way they can.

Sincerely,

Mark B. Liedl
Land Services Director

BOARD OF COUNTY COMMISSIONERS
Crow Wing County, Minnesota

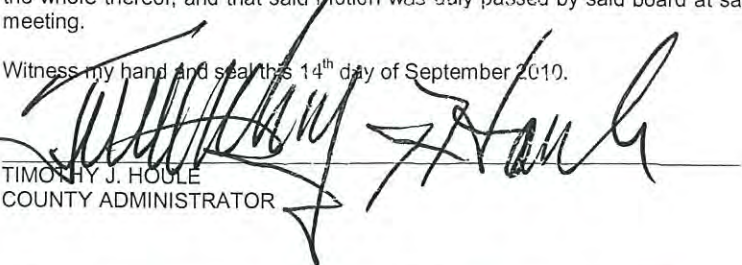
DATE: September 14, 2010
OFFERED BY COMMISSIONERS: Thiede and Houge

Authorized the Land Services Supervisor for Public Land Management to apply for three Conservation Partners Legacy Grants in the areas of Jack Pine/White Pine Restoration, Pine Seedling Protection and Undivided Interest Acquisition.

STATE OF MINNESOTA)
 COUNTY OF CROW WING) ss

I, Timothy J. Houle, County Administrator, Crow Wing County, Minnesota, hereby certify that I have compared the foregoing copy of the motion of the county board of said county with the original record thereof on file in the Administration Office, Crow Wing County, Minnesota, as stated in the minutes of the proceedings of said board at a meeting duly held on September 14, 2010, and that the same is a true and correct copy of said original record and of the whole thereof, and that said motion was duly passed by said board at said meeting.

Witness my hand and seal this 14th day of September 2010.



 TIMOTHY J. HOULE
 COUNTY ADMINISTRATOR

	<u>YES</u>	<u>NO</u>
DISTRICT #1 – TRUSTY	X	_____
DISTRICT #2 – THIEDE	X	_____
DISTRICT #3 – NYSTROM	X	_____
DISTRICT #4 – FRANZEN	X	_____
DISTRICT #5 – HOUGE	X	_____

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Project Summary

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Application Submission

Final Application Submission

This completes your CPL Grant Application. Please take the time to revisit the previous sections and make sure you have entered everything completely and correctly. Once you hit the submit button below, you will not be able to return to this application to make changes.

I certify that I have read the Conservation Partners Legacy Grants Program Request for Proposal, Program Manual and other program documents, and have discussed this project with the appropriate public land manager, or private landowner and easement holder.

I certify I am authorized to apply for and manage these grant and match funds, and the project work by the organization or agency listed below. I certify this organization to have the financial capability to compete this project and that it will comply with all applicable laws and regulations.

I certify that all of the information contained in the application is correct as of the time of the submission. If anything should change, I will contact CPL Grant Staff immediately to make corrections.

I certify that if funded I will give consideration to and make timely written contact to Minnesota Conservation Corps or its successor for consideration of possible use of their services to contract for restoration and enhancement services. I will provide CPL staff a copy of that written contact within 10 days after the execution of my grant, should I be awarded.

I certify that I am aware at least one Project Review and Approval form is required for every application and I must submit all completed forms by uploading them into this application. I have attached one form as necessary for each different Land Manager within my project.

I am aware that by typing my name in the box below, I am applying my signature to this online document.

Signature:

Jacob A. Frie

Organization / Agency:

Crow Wing County

Title:

**Natural Resource
Manager**

Date:

2010-09-16

Proj ID	Organization Name	Project Name	Technical Review Committee Scoring Comments	Amount Requested	Score	Technical Review Committee Final Rank Comments	Regional Comments	Meets Regional Plan?	Rank	Region	Division Director's Comments
49	Crow Wing County	Crow Wing County Jack Pine/White Pine Restoration	County land, open to public use	\$79,727	143			Y	2		This project fits better, includes both plant and protect; no question of supplanting.

General ranking comments- all habitat projects

All are good projects, meet goals of program. All should move forward.	All could have had better partnerships-- go to NGOs for \$\$ and support.	County projects--tree planting: is it supplanting? Are these over and above regular funding?	Land purchases have more urgency than plantings.	No fluff in the costs for any of these.	If need to cut, spread \$\$ out among all applicants.
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Crow Wing County_49_Jack Pine

	1)Amount of Habitat	2)Local Support	3)Degree of Collaboration	4)Urgency	5)Multiple Benefits	6)Habitat Benefits	7)Sound Conservation Science	8)Adjacent to Protected Lands	9)Full Funding of Project	10)Supplants Existing Funding	11)Public Access for Hunting and Fishing	12)Sustainability	13)Use of Native Plant Materials	14)Budget and Cost Effectiveness
	6.00	8.00	2.00	2.00	2.00	3.00	5.00	1.00	9.00	5.00	10.00	7.00	9.00	8.00
	8.00	7.00	6.00	5.00	10.00	9.00	8.00	8.00	7.00	6.00	10.00	9.00	9.00	8.00
	8.00	8.00	8.00	6.00	9.00	9.00	9.00	6.00	7.00	3.00	10.00	10.00	10.00	7.00
	9.00	9.00	8.00	6.00	7.00	6.00	9.00	10.00	8.00	4.00	10.00	8.00	10.00	8.00
AVERAGES	7.75	8.00	6.00	4.75	7.00	6.75	7.75	6.25	7.75	4.50	10.00	8.50	9.50	7.75
TOTAL SCORE	143.25													

15)Capacity to Successfully Complete Work	16)Supports Existing Landscape Level Plans	17)Supports Species Plans	18)Conforms to Statewide Conservation and Preservation Plan	19)Conforms to State Wildlife Action Plan
9.00	7.00	8.00	7.00	7.00
9.00	8.00	8.00	8.00	8.00
9.00	10.00	8.00	8.00	8.00
8.00	9.00	9.00	8.00	8.00
8.75	8.50	8.25	7.75	7.75
