

**CPL Applications**  
(Total to date: 129)

## Conservation Partners Legacy Grant Application

**CPL1000061**

Spreadsheet

### Name and Contact

Project Identifier:	CPL1000061	Street Address 1:	2020 W. Hwy61
Project Name:	Isabella Pine Restoration and Protection Project	Street Address 2:	
Organization Name:	USDA Forest Service	City:	Grand Marais
Organization Website:		State:	MN
Organization Contact Person:	Patty Johnson	Zip Code:	55604
Contact Email:	pjohnson@fs.fed.us		
Contact Phone:	218-387-3230		

### Location

Primary County:	Cook
Nearest City:	Isabella
Township:	
Project Site Name:	Inga South Watershed
Project Site Land Ownership:	Federal
Other Land Ownership:	

### Project Information

Primary Activity:	Restoration
Primary Habitat Type:	Forest
Total Project Acres:	1030
Total Project Sites:	3
Total Grant Amount Requested:	\$70500
Total Match Amount:	\$165000
Total Project Cost:	\$235500
Project Completion Date:	11/2012 (MM/YYYY)

The goal of this project is to restore and enhance pine ecosystems using prescribed fire. The areas being treated are mid-aged pine where fire has been excluded for over 100 years. By conduction the prescribed burns, it is hoped to remove the uncharacteristic understory vegetation. This will allow for larger wildlife species to move through the stands easily and preying raptors to use them as foraging areas. Additionally, it will reduce the fuel hazards in the stand to a level in which if a wildfire were to occur, there would be limited effects in terms of mortality to overstory, impacts on waterways, and soil degradation.

---

### Attachments

- [Project Site Information Form](#)
- [Project Budget and Match Description](#)
- Partner Commitment Letter
- Financial Documentation
- Conservation Easement
- [Supplementary Attachment #1](#)
- [Supplementary Attachment #2](#)

---

[Back](#)

# Conservation Partners Legacy Grant Program

## Project Site Information

**Contact information**

Project name: 

Isabella Pine Restoration and Protection Project
--

Organization: 

USDA Superior National Forest
-------------------------------

Organization contact person (Project Manager): 

Patricia Johnson
------------------

**Project information**

Project site: 

Geogoka White Pine Underburn
------------------------------

Project site land manager or easement holder: 

Legal :	T60N	R9W	S21	QSW
---------	------	-----	-----	-----

Private land owner (if applicable): 

County: Lake County
---------------------

Activity (may choose more than one):  Enhancement  Restoration  Acquisition

Predominant Habitat (choose one):  Forest  Prairie  Wetland  Fish, Game and Wildlife Habitat

Activity quantity: 

220
-----

 Acres  Miles  Feet  Structures  Wetlands

Project Site #2, if needed.

Project site: 

Inga Creek Red Pine Underburn
-------------------------------

Project site land manager or easement holder: 

Legal :	T61N	R9W	S27	QNW
---------	------	-----	-----	-----

Private land owner (if applicable): 

County: Lake County
---------------------

Activity (may choose more than one):  Enhancement  Restoration  Acquisition

Predominant Habitat (choose one):  Forest  Prairie  Wetland  Fish, Game and Wildlife Habitat

Activity quantity: 

560
-----

 Acres  Miles  Feet  Structures  Wetlands

Project Site #3, if needed. Use Additional Project Sites form if needed.

Project site: 

Eighteen Mile Underburn Unit1
-------------------------------

Project site land manager or easement holder: 

Legal :	T60N	R8W	S35	QNW
---------	------	-----	-----	-----

Private land owner (if applicable): 

County: Lake County
---------------------

Activity (may choose more than one):  Enhancement  Restoration  Acquisition

Predominant Habitat (choose one):  Forest  Prairie  Wetland  Fish, Game and Wildlife Habitat

Activity quantity: 

250
-----

 Acres  Miles  Feet  Structures  Wetlands

**Project timeline:**

Time frame	Goal	Time frame	Goal
Spring/Summer/Fall 2010	Underburn Eighteen Mile Units 1 and 2		
Spring/Summer/Fall 2012	Underburn Geogoka		
Spring/Fall 2011	Underburn Inga Creek		

**Project description and benefits (box will expand as typed into, not to be longer than 2 pages):**

The Superior National Forest plans to restore fire to approximately 1030 acres of mature pine in the Isabella area on the Tofte Ranger District. A forest interdisciplinary team identified these stands as being severely departed from historical vegetation condition and natural fire regime. The following needs were identified:

- Reduce understory woody fuel accumulations and balsam fir ladder fuels to minimize wildfire hazard and risk.
- Reduce deciduous brush component for natural pine regeneration.
- Reduce duff accumulation to expose mineral seed bed for natural pine regeneration.
- Improve Fire Regime Condition Class by restoring fire to the site.

In 2006, red pine in the Inga Creek unit was thinned and is currently in need of underburning for slash and duff reduction. In 2008 and 2009, Eighteen Mile Units 1 and 2, as well as the Geogoka Unit had understory fuel reduction treatments of balsam fir and deciduous brush cutting. The forest now plans on underburning these white pine stands.

Historically, low intensity fire burned in pine stands of the Superior National Forest at approximately 30 to 50 year intervals clearing out encroaching shade tolerant conifer and hardwood tree species such as balsam fir and red maple. These fires also reduced woody litter and duff accumulations ensuring fire intensities remained at non lethal levels to the overstory pine. They also prepared the seedbed for natural regeneration when and if lethal fires burned through the stands in times of drought. When stand replacing fires did burn in mature pine, approximately every 160 years, the sites were prepared to regenerate with seeding from surviving trees.

Due to fire exclusion over the past century, low intensity, maintenance fires have not been allowed to burn in these pine stands for over 100 years. Encroachment of birch, balsam fir, and red maple is advanced and litter and duff accumulations are at levels that inhibit natural regeneration. The stand has become susceptible to excessive mortality from wildfire. These treatments will reduce encroaching understory vegetation, reduce duff and litter accumulations, and set the stands up for successful regeneration in the event of high stand mortality from ecological disturbance.

These projects are the beginning point of an effort by the forest to restore fire to mature pine stands for protection and restoration. Targeting these stands for this type of treatment enhances the scenic quality of these sites, would reduce the likelihood of uncharacteristic wildfire burning in these stands, opens the stands up for wildlife such as moose and white tail deer, and improves hunting and nesting habitat for raptors such as eagle and osprey.

Please provide the answers to the following questions. Boxes will expand as typed into.

**1. For lands acquired in fee title that will be turned over to a public agency for long-term management:**

- a. Provide a description of the work necessary to bring the land up to agency standards and an estimate of the associated cost.

- b. What short- and long-term work is required to manage the land you acquire?

**2. For enhancement/ restoration projects on public lands:**

- a. Who is/will be the long-term manager for the project site?

Patricia Johnson, Superior National Forest, East Zone Prescribed Fire and Fuels Specialist

- b. What short- and long-term maintenance work is required to sustain the habitat work you will do?

Short term work would be implementing prescribed burn projects to take advantage of thinning and understory fuel reduction treatments that have already taken place to set the brush encroachment back. Long term, these sites will be monitored for fuel loading, regeneration, and pine mortality. Depending on monitoring results, additional treatments (mechanical understory fuel reduction, prescribed burning) may be needed to set brush and balsam fir back to historical conditions. It would then be necessary to keep these stands on a burn rotation of 30-50 years.

- c. Who will complete this maintenance work, and how will it be funded?

The USDA Forest Service will complete the maintenance work and will either be fully funding or acquiring matching grant funds for the maintenance work.

- d. Will the CPL funds supplant any existing funds?

The CPL funds would supplement appropriated federal project dollars in the annual budget.

As required by 2009 MN Session Law, Chapter 172 subd. 10 (8), “any agency or entity receiving an appropriation must, for any project funded in whole or in part with funds from the appropriation, give consideration to and **make timely written contact with the Minnesota Conservation Corps** for consideration of possible use of their services to contract for restoration and enhancement services”. Contact MCC at [cplg@conservationcorps.org](mailto:cplg@conservationcorps.org), or email a copy of this form to the same address. For more information on costs, crew capabilities, etc., visit MCC’s website at <http://www.conservationcorps.org/useacrew.html>.

**Signature:**

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 am authorized to apply for and manage these grant and match funds, and the project work by the organization or agency listed below. I have made timely written notification to MCC regarding my restoration or enhancement project.

Signature: Patty Johnson	Organization/ Agency: USDA FS
Title: Prescribed Fire and Fuels Specialist	Date: 11/02/2009

**Please save this document to your computer or electronic storage device and attach this document as specified on the online submittal form when ready to apply. Contact [CPL Grant Staff](#) with any questions.**

## Conservation Partners Legacy Grant Project Budget and Match Worksheet, Application Requirement

---

Project name: 

Isabella Pine Restoration and Protection Project
--

Organization: 

USDA Superior National Forest
-------------------------------

Organization contact person (Project Manager): 

Patricia Johnson
------------------

Please complete all sections and be as detailed as possible for all descriptions under the Details sections. Limit entries in large tables to numbers only, **round to the nearest dollar**. Do not edit table categories, only enter values or text into the table. The tables will adjust to accommodate additional text in each box. If all categories are not needed, please leave those fields blank.

**BUDGET:** amounts being requested \*\*Note: FY refers to State Fiscal Year: July 1- June 30, with the year reflecting the year that June falls in. For example: if today were September 3<sup>rd</sup>, 2009 it would be FY2010; December 3<sup>rd</sup> 2010= FY2011; May 2012= FY2012

Budget Item	Fiscal Year 2010	Fiscal Year 2011	Fiscal Year 2012	Total
Personnel	\$8,500.00	\$8,500.00	\$8,500.00	\$25,500.00
Contracts	\$4,000.00	\$4,000.00	\$4,000.00	\$12,000.00
Grant Administration				
Administration/ Environmental Compliance				
Fee Acquisition				
Easement Acquisition				
Easement Stewardship				
Equipment/Tools/Supplies				
Travel				
Additional Budget items	\$11,000.00	\$11,000.00	\$11,000.00	\$33,000.00
<b>Total</b>				

**DETAILS:** detail the amounts listed in the above table.

**Personnel Details:**

Name	Title	Amount

**Contract Details:**

Contractor Name	Contracted Work	Amount

**Grant Administration:**

<b>Administrative Activity</b>	<b>Description/ Amount</b>	<b>Amount</b>

**Administration/ Environmental Compliance**

<b>Activity</b>	<b>Description</b>	<b>Amount</b>

**Fee Acquisition/ Easement Acquisition/ Easement Stewardship Details:**

--

**Equipment/Tools/Supplies Details:**

<b>Item</b>	<b>Use</b>	<b>Amount</b>

**Travel Details:**

<b>Miles</b>	<b>Purpose</b>	<b>Amount</b>

**Additional Budget Items Details:**

The personnel, equipment contracts, and aircraft costs associated with conducting the prescribed burn is an estimate based on past rates. At this time, we have not specified personnel, contractors, or the aircraft that will be involved. There is a variety of personnel, contractros, and aircraft available to use. This will be determine 1-3 weeks prior to the prescribed fire based on availability.

**MATCH:** Required 10% of total project funds, to be fulfilled by end of Fiscal Year 2012. Use provided rate sheet to determine unit rate and total value of in-kind services to be used as matching funds if applicable.

Source	Description	Units	Unit Rate	Total Value
USFS	Project Funds	1030 acres	\$135/ acre	\$140,000.00

**Matching description/ comments:** if needed

Currently, these projects are planned to be funded out of the regular fuels reduction project budget. The priority for projects funded from the fuels reduction budget is fuels reduction in Wildland Urban Interface Areas. The projects in which funding is being sought out for with the grant money are considered restoration type of projects. Therefore, they are a lower priority for funding out of the regular fuels reduction program. With annual budgets decreasing yearly, these types of restoration projects need additional funding to help ensure they can be carried out.



# Conservation Partners Legacy Grant Project Planning Form

**Contact information**

Project name:	Isabella Pine Restoration and Protection Project	Mailing address:	Gunflint Ranger District 2020 W. Hwy 61 Grand Marais, MN 55604
Organization:	USDA Superior National Forest		
Email address:	pjohnson@fs.fed.us		
Daytime phone:	218-387-3230		
Organization website (optional):			
Organization contact person (Project Manager):	Patricia Johnson		

**Project information**

Project site:

Project site land manager or easement holder:  Legal :  T60N  R8W  S35  QNW

Private land owner (if applicable):  County:

Activity (may choose more than one):  Enhancement  Restoration  Acquisition  
 Predominant Habitat (choose one):  Forest  Prairie  Wetland  Fish, Game and Wildlife Habitat  
 Activity quantity:   Acres  Miles  Feet  Structures  Wetlands

Project Site #2, if needed. Use additional pages if necessary for more Project Sites.

Project site:

Project site land manager or easement holder:  Legal :  T60N  R8W  S35  QSW

Private land owner (if applicable):  County:

Activity (may choose more than one):  Enhancement  Restoration  Acquisition  
 Predominant Habitat (choose one):  Forest  Prairie  Wetland  Fish, Game and Wildlife Habitat  
 Activity quantity:   Acres  Miles  Feet  Structures  Wetlands

**Project timeline:**

Time frame	Goal	Time frame	Goal
Spring/Summer/Fall 2010	Underburn Eighteen Mile Units 1 and 2		
Spring/Summer/Fall 2012	Underburn Geogoka		
Spring/Fall 2011	Underburn Inga Creek		


**Project description and benefits (box will expand as typed into, use additional sheets if handwriting):**

The Superior National Forest plans to restore fire to approximately 1030 acres of mature pine in the Isabella area on the Tofte Ranger District. A forest interdisciplinary team identified these stands as being severely departed from historical vegetation condition and natural fire regime.

The following needs were identified for these areas:

- Reduce deciduous brush component for natural pine regeneration.
- Reduce duff accumulation to expose mineral seed bed for natural pine regeneration.
- Improve Fire Regime Condition Class by restoring fire to the site.
- Reduce understory fuel accumulations and balsam fir ladder fuels to minimize fire effects if a wildfire were to burn in the area.

In 2006, red pine in the Inga Creek unit was thinned and is currently in need of underburning for slash and duff reduction. In 2008 and 2009, Eighteen Mile Units 1 and 2, as well as the Geogoka Unit had understory fuel reduction treatments of balsam fir and deciduous brush cutting. The forest now plans on underburning these white pine stands.

Historically, low intensity fire burned in pine stands of the Superior National Forest at approximately 30 to 50 year intervals clearing out encroaching shade tolerant conifer and hardwood tree species such as balsam fir and red maple. These fires also reduced woody litter and duff accumulations ensuring fire intensities remained at non lethal levels to the overstory pine. They also prepared the seedbed for natural regeneration when and if lethal fires burned through the stands in times of drought. When stand replacing fires did burn in mature pine, approximately every 160 years, the sites were prepared to regenerate with seeding from surviving trees.

Due to fire exclusion over the past century, low intensity, maintenance fires have not been allowed to burn in these pine stands for over 100 years. Encroachment of birch, balsam fir, and red maple is advanced and litter and duff accumulations are at levels that inhibit natural regeneration. The stand has become susceptible to excessive mortality from wildfire. These treatments will reduce encroaching understory vegetation, reduce duff and litter accumulations, and set the stands up for successful regeneration in the event of high stand mortality from ecological disturbance.

These projects are the beginning point of an effort by the forest to restore fire to mature pine stands for protection and restoration. Targeting these stands for this type of treatment enhances the scenic quality of these sites, would reduce the likelihood of uncharacteristic wildfire burning in these stands, opens the stands up for wildlife such as moose and white tail deer, and improves hunting and nesting habitat for raptors such as eagle and osprey.

**Project budget:**

Budget Category	Description	Grant Funds Requested
Paid Staff	Personnel to conduct prescribed fire.	\$25,500.00
Contracts	Establish control lines with dozer.	\$12,000.00
Administration/ Environmental Compliance		
Equipment Rental		
Supplies		
Other (specify)	Aircraft to conduct prescribed fire.	\$33,000.00
Other (specify)		
Other (specify)		

<b>TOTAL:</b>	\$70,500.00
---------------	-------------

**Project match:**

Budget Category	Description	Value of match
Paid labor	Personnel to conduct prescribed fire.	\$50,000.00
Volunteer labor		
Paid materials		
Donated materials		
Paid equipment use		
Donated equipment use		
Other (specify)	Aircraft costs to conduct prescribed fire.	\$65,000.00
Other (specify)	Equipment costs to conduct prescribed fire.	\$24,000.00
Other (specify)	Planning related costs (NEPA, burn plan prep, line prep)	\$30,000.00
<b>TOTAL:</b>		\$165,000.00