

## North Umpqua Hydropower Mitigation Fund Project Nomination Form

Project Name: **2014 Canton Creek False Brome Removal**

Total Mitigation Funds Requested For this Fiscal Year:\$ 25,500

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Type of Project (mark one that applies):

Wetland/stillwater habitat \_\_\_\_  
Terrestrial species connectivity \_\_\_\_  
Erosion control \_\_\_\_

Vegetation management X  
Riparian/aquatic species connectivity \_\_\_\_

### **Explanation of why this project is time critical:**

Removal of False Brome within the Canton Creek riparian area has been an ongoing project since 2011. During 2013, Douglas Soil and Water Conservation acquired permission to treat the source populations of False Brome on private lands. During the same year, BLM treated their population which is upstream from the Forest Service population. This provides us with an excellent opportunity to attack this aggressive invasive species with a diminished risk from being contaminated from the source populations.

### **Description of hydropower project caused impacts that project is addressing (aquatic, terrestrial and natural resource related including wetland, aquatic & terrestrial connectivity, vegetation management, soil loss/erosion, etc.). Be specific how/what the project mitigates:**

The North Umpqua hydropower's project impoundments, powerlines, and roads have impacted naturally occurring vegetation resulting in habitat degradation throughout the watershed. There are high concentrations of invasive weeds along the transmission line corridors within the Middle North Umpqua Watershed. The introduction and spread of invasives along these corridors pose a threat and are a hazard to the ecosystem as a whole. With such a large area impacted, it is necessary to protect existing riparian habitats and not contribute to the cumulative effects from the hydropower project. During the 2012 and 2013 field season, False Brome populations were documented and treated in the Canton Creek riparian area. Efforts will continue during the 2014 field season to further treat and to document the effectiveness of treatments. Although treatments continue in the Canton Creek riparian areas, it continues to be a problem. This project will help to control the spread of this aggressive weed within the scenic North Umpqua River watershed.



**Point of hydropower induced impact:**

Legal: T26S R 1E Sect. 5

6<sup>th</sup> field subwatershed: **Apple Creek Facial**5<sup>th</sup> field watershed: **Middle North Umpqua**Administrative Unit: **NURD****Location of proposed mitigation project:**Legal: T25S R 1W Sect. 25 and 26  
T25S R 1E Sect. 316<sup>th</sup> field subwatershed: **Lower Canton Creek**5<sup>th</sup> field watershed: **Canton Creek**Administrative Unit: **NURD****Description of project objectives, activities, measurable benefits, and expected accomplishments:**

Douglas Soil and Water Conservation acquired permission to treat the source populations of False Brome on private lands during Fiscal year 2013 with BLM also treating, using herbicides, of their False Brome populations during the same year. Further treatments are necessary on FS lands to help protect the native ecology of the Federal Lands that we manage. During Fiscal Year 2012 and 2013, we continued to conduct monitoring of population sizes, during treatments, along the Canton Creek and Steamboat drainages.

Activities for this proposal will consist of hand pulling and removal of False Brome populations for approximately two miles along the Canton Creek and Steamboat drainages on Forest Service lands. Efforts to monitor and evaluate sites will continue with consideration for future NEPA processes on Forest Service lands and the potential herbicide use within the Canton Creek watershed. The proposed activities will contribute to the multi-agency efforts accomplished during the previous years within the Canton Creek riparian areas. Crews will continue to hand pull known sites to protect initial investments of time and money. Manual treatments require multiple year efforts to be effective.

**Identify any previous work completed (prior year accomplishment of multi-year project, planning, design work, etc.):**

Using NFWF, Title II (Phoenix School and Douglas Soil and Water Conservation), and BLM funding over the last four years, this area has been prioritized for treatments and monitoring of False Brome. Because it is a large infestation, the North Umpqua Ranger District lacks the funds to aggressively treat False Brome. We believe that an aggressive treatment of this area will make an impact on the False Brome population and will contribute to the multi-agency efforts and planning that is going into the eradication of this species.



**Proposed budget:**

<i>Activity</i>	<i>Personnel</i>	<i>Contract/Materials</i>	<i>Vehicles</i>	<i>Total</i>
<b>Planning/NEPA</b>				
<b>Engineering design &amp; Contract preparation</b>				
<b>Contract costs</b>				
<b>Contract Administration</b>				
<b>Non-contract implementation</b>	\$25,000		\$500	\$25,500
<b>Monitoring</b>				
<b>Totals</b>	\$25,000		\$500	\$25,500

*If project is multi-year proposal, include budget table for each year of project*

**Identify other funding (includes appropriated funds) or confirmed, external partnerships of project:**

Source	Value of contribution	Description of contribution
NFWW15	\$5,000	Contribution will be used to fund crews for invasive weed work.

**Proposed project schedule and timeline, including projected date of accomplishment:**

This project will be ongoing throughout fiscal year 2014 and will be completed by 30 Sept 2014. The site will be visited at the beginning of the field season and toward the end of the field season.





