

Development of Seed Transfer Zones for Tufted hairgrass and Silverleaf phacelia in Region One

2011 Accomplishments

The Five-Year Action Plan for the R1 Native Plant Program identified the need to develop seed transfer zones for core native revegetation species. 2011 represents the fourth year that Region One has implemented the R1 Seed Transfer Zone Study using common garden studies. Each year, two species are selected for study.

2011 Accomplishments: In 2011, a forb, silverleaf phacelia (*Phacelia hastata* var. *hastata*) and a grass, tufted hairgrass (*Deschampsia caespitosa*) were selected for common garden study. R1 forests and grasslands collected wildland seed for the two species. The seed was cleaned and categorized this fall at the USFS Coeur d'Alene Nursery. Greenhouse seedling establishment is scheduled to occur in spring 2012. The common garden study plots for both species will be planted in summer 2012. The studies are under the guidance of the Region 1 Geneticist and the Region 1 Native Plant Program.



Figure 1: Silverleaf phacelia, a forb with high potential for revegetation and reclamation in droughty areas



Figure 2: Tufted hairgrass, a revegetation species commonly used in mining reclamation in the northern Rocky Mountains.

Year awarded: Initial award in 2011

Project completion: 2014

Report number: 1 of 4

Expenditures (through 10/2011):

- FY11 funding \$100,000 (NFN3 funding)
- Expended approximately \$56,000 in FY11
- \$44,000 remaining for FY12 - FY14

Partners/contractors/cooperators: R1 Regional Geneticist, R1 Native Plant Program, USFS Coeur d'Alene Nursery, R1 Forests and Grasslands

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The study is a cooperative venture between the USFS Coeur d'Alene Nursery, the R1 Regional Geneticist, the R1 Native Plant Program, and R1 forests and grasslands.



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