

**FY2005 Annual Status Report
Native Plant Program (NFN3 Project)**

Project Name: Development, Culture and Characterization of Selected Native Forbs for Intermountain Region National Forest System Lands

Final Report?: no

Year Awarded: FY 2005

Region: 4

Unit Name and Address:

RWU 4253 Shrubland Biology and Restoration
735 North 500 East, Provo UT 84606

Report Number: 1 of 3

Projected Completion: October 2007

Research Station: Rocky Mountain

Contact Person and Phone Number:

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Status of Project Accomplishment: We spent our first field season locating populations and collecting seeds of ten native forbs targeted for study in our proposal. Collections were made throughout Region 4 (Utah, Nevada, Idaho, and Wyoming), primarily on NFS lands. We expanded the scope of our study to include several additional forbs that are important on mid-elevation rangelands. The table below shows our 2005 principal seed collections by species.

Species (* indicates added species)	Number of Seed Collections in 2005
<i>Castilleja miniata</i>	20
* <i>Castilleja rhexifolia</i>	11
<i>Delphinium barbeyi</i>	31
<i>Epilobium angustifolium</i>	34
<i>Erigeron speciosus</i>	26
<i>Eriogonum heracleoides</i>	15
<i>Geranium richardsonii</i>	24
* <i>Geranium viscosissimum</i>	21
* <i>Heracleum lanatum</i>	11
<i>Iliamna rivularis</i>	19
* <i>Ligusticum filicinum</i>	2
* <i>Ligusticum porteri</i>	6
* <i>Mertensia arizonica</i>	18
<i>Mertensia ciliata</i>	6
* <i>Osmorhiza occidentalis</i>	8
<i>Polemonium foliosissimum</i>	29
* <i>Potentilla diversifolia</i>	7
* <i>Potentilla glandulosa</i>	6
<i>Potentilla gracilis</i>	27
Total Collections	321

These seed collections have been cleaned and accessioned. Accompanying vouchers have been identified. Germination studies and propagation will be completed this winter, and outplantings for seed production studies will take place in May at a site that has been fenced and fallowed for weed control for two years. Tissue collection for genetic analysis will take place next summer.

2005 Expenditures: approximately \$8000. Remaining funding, approximately \$115,000 pending release of carryover funds. Other **Funding:** in house \$4000.

Coops: Unable to coop money as planned because of restrictions on use of NFN monies for research cooperative ventures.