

Establishment of native grass and forb seed source for use in integrated weed management in burned areas, roads, and Bob Marshall Wilderness dispersed recreation sites – Flathead Nat. Forest

FY07 Accomplishments

Botany Crew scouted and mapped collection areas throughout the summer. Five weeks of seed collections were accomplished with 2 botany technicians and eight person Montana Conservation Corps (MCC) crew. Seeds were collected at 78 sites. Seed will be sent to Coeur d'Alene Nursery (CDA) for cleaning and increase or storage.

Botany technicians and MCC planted 1260 plugs along lake shore campsite and culvert restoration sites. Plants used were from seed/cuttings grown at CDA and the Confederated Salish Kootenai Tribe from prior year collections.

Botanist and two Wildland CPR volunteers seeded 10 miles of grass seed (500 lbs seed) along roads recently closed after rehab work (culvert removal, herbicide treatment for weeds). Seed used for this work was collected from the Bob Marshall Wilderness (2005 and 2006) and increased at CDA for use in integrated weed management.

- \$18,000 Cost share agreement with Montana Conservation Corps (MCC) – collect shrub cutting and seeds (5 weeks)
- \$1000 – 500 lbs seed form CDA
- \$26,422 In Service Agreement with CDA – maintenance of plant materials
- \$10785 – Botanist and botany technician, transportation, supplies

Seed Collections

43 species of shrubs and forbs collected, approximately 75 lbs.

| forbs | sedges | shrubs |
|--------------------------------|---------------------------------|------------------------------|
| <i>Adenocaulon bicolor</i> | <i>Carex aperta</i> | <i>Acer glabrum</i> |
| <i>Allium schoenoprasum</i> | <i>Carex aquatilis</i> | <i>Amelanchier alnifolia</i> |
| <i>Anemone multifida</i> | <i>Carex buxbaumii</i> | <i>Ceanothus sanguineus</i> |
| <i>Angelica sp.</i> | <i>Carex cusikii</i> | <i>Crataegus douglasii</i> |
| <i>Chamerion angustifolium</i> | <i>Carex lasiocarpa</i> | <i>Juniperus communis</i> |
| <i>Dryas drummondii</i> | <i>Carex lasiocarpa</i> | <i>Rhamnus alnifolia</i> |
| <i>Eurybia conspicua</i> | <i>Carex scopulorum</i> | <i>Ribes lacustre</i> |
| <i>Geum macrophyllum</i> | <i>Carex utriculata</i> | <i>Rosa acicularis</i> |
| <i>Heracleum lanatum</i> | <i>Carex vesicaria</i> | <i>Rosa sp.</i> |
| <i>Maianthemum racemosum</i> | <i>Carex viridula</i> | <i>Rubus parviflorus</i> |
| <i>Penstemon confertus</i> | <i>Scirpus microcarpus</i> | <i>Sorbus scopulina</i> |
| <i>Penstemon lyallii</i> | grass | <i>Spiraea betulifolia</i> |
| <i>Potentilla gracilis</i> | <i>Bromus carinatus</i> | |
| <i>Sium suave</i> | <i>Bromus ciliatus</i> | |
| | <i>Calamagrostis canadensis</i> | |
| | <i>Danthonia intermedia</i> | |
| | <i>Glyceria striata</i> | |
| | <i>Pseudoroegneria spicata</i> | |

Deviations:

Increase of estimated cost for seed collection (MCC increase weekly rate) – decreased planned cost for CDA maintenance of plant materials to cover increase in MCC weekly rate and used volunteers to plant 500 lbs of seed instead of MCC crew.



Holland Lake shoreline planting

Year Awarded: FY07 - \$56,000

Project completion: 2007

Report number: 1 of 1

Expenditures:

- FY07 funding: \$56,000
- Expend: \$56,000
- Remaining: \$0

Partners/Contractors/Coop:

Montana Conservation Corps (MCC)

Cliff Kipp

Kalispell, MT 59901

406/755-3619

mcckalispell@mtcorps.org

Coeur d'Alene Nursery

Aram Eramian

Coeur d'Alene, ID 83815

208/765-7375

aeraman@fs.fed.us

Wildland CPR

Adam Switalski

Missoula, MT 59807

(406) 543-9551

adam@wildlandscpr.org

Project contact: Linh Hoang

406/758-5331 ~ lhoang@fs.fed.us



Flathead National Forest

1935 Third Ave East

Kalispell, MT 59901