

Mt. Baker-Snoqualmie National Forest

2009 Native Plant Materials Program Accomplishments

In 2009, a new seed collection contract was awarded to supplement 2008 grass seed collections in the Upper White and Lower Sauk watersheds (Figure 1). This “foundation seed” was planted at J. Herbert Stone Nursery for our first “seed increase” effort. Funding was obligated to produce the following small seed lots:

- Upper White, above 4700' *Elymus glaucus* (blue wildrye)
- Upper White, 2300-4300' *Elymus glaucus* (blue wildrye)
- Upper White, 4000-5000' *Festuca rubra* (red fescue)
- Upper White, 2000-3000' *Bromus vulgaris* (common brome)
- Lower Sauk, below 1000' *Elymus glaucus* (blue wildrye)
- Lower Sauk, 1000-2000' *Elymus glaucus* (blue wildrye)
- Lower Sauk, 1000-2000' *Bromus vulgaris* (common brome)
- Lower Sauk, 1300-2300' *Trisetum canescens* (tall trisetum)

2009 funds were also used to grow out the following sedges, rushes, and forbs in small lots for seed increase in the USFS Couer d'Alene Nursery, using foundation seed from the Upper White and Lower Sauk watersheds stored from 2008:

- Upper White, . 4500' (*Luzula parviflora*) smallflowered woodrush
- Upper White, above 4300' (*Juncus ensifolius*) daggerleaf rush
- Upper White, 2100-2200' (*Juncus effusus*) common rush
- Upper White, above 4700' (*Carex macloviana*) thickhead sedge
- Upper White, above 4200' (*Carex hoodii*) Hood's sedge
- Lower Sauk, 1000-2000' (*Aruncus dioicus*) goatsbeard
- Lower Sauk, below 1000' (*Juncus effusus*) common rush
- Lower Sauk, < 1300' (*Luzula parviflora*) smallflowered woodrush
- Lower Sauk, 1900-2300' (*Luzula parviflora*)

In 2009, 1 ½ pounds of foundation seed was collected for each of the following forb species in the Baker River and the Tye-Beckler watersheds. On the Mt. Baker-Snoqualmie National Forest, these species are much more common than grasses!

- Baker River, *Geum macrophyllum* (large-leaved avens)
- Baker River, *Tolmiea menziesii* (piggyback)
- Tye-Beckler *Aruncus dioicus* (goatsbeard)
- Tye-Beckler, *Geum macrophyllum* (large-leaved avens)

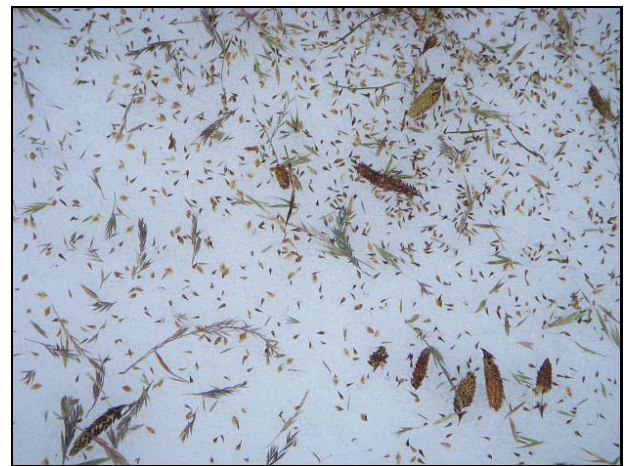


Figure 1. An assortment of rough-cleaned native seeds were hand sown over snow at Crystal Mountain Ski Resort in the fall of 2008 and monitored in 2009.

Year Awarded: 2009

Project Completion: 2009

Expenditures: \$39,600 Total

\$ 9,000 (NFN3)

\$22,100 (NFVW)

\$ 4,000 (NFWF)

\$ 4,500 (WFW3)

Partners/Contractors/Coop: KH Hewitt Forest Resources, USFS Bend Seed Extractory, USFS J. Herbert Stone Nursery, and USFS Couer d' Alene Nursery

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