

Expanding Supplies of Native Plant Seed for Restoration on the Chugach National Forest

2006 Accomplishments

This project was initiated in 2004 to obtain native plant material from local genetic stock on the Chugach National Forest. The materials are for spot revegetation of slow to regenerate locations in burned areas, rehabilitation of areas where non-native invasive plant species have been removed, and other areas where planting of native plant species is called for to achieve revegetation objectives.

The Alaska Plant Materials Center (Palmer, Alaska) has been collecting and processing the plant materials (mostly seeds) under Sikes Act procurements extending through 9/30/2008. The focus of the seed collection is on early successional pioneers, primarily within the Kenai Peninsula portion of the Forest.

In 2006, the Alaska Plant Materials Center delivered the following clean seed materials to the Forest:

- bluejoint reedgrass (*Calamagrostis canadensis*; 303.5 g)
- Pacific reedgrass (*Calamagrostis nutkaensis*; 18.2 g)
- Mertens' sedge (*Carex mertensii*; 32 g)
- chocolate lily (*Fritillaria camschatcensis*; 3.2 g)

Most of these seeds were used in restoration plantings.

To date, newly collected seed cleaned for 2006 are as follows:

- bluejoint reedgrass (*Calamagrostis canadensis*; 368 g)
- Mertens' sedge (*Carex mertensii*; 141 g)
- red elderberry (*Sambucus racemosa*; 284 g)
- beach rye (*Leymus mollis* ssp. *mollis*; 3,625 g)
- Bering hairgrass (*Deschampsia beringensis*; 7,530g)

Work in 2007 will likely involve further seed collection on the Forest and the planting of some of the seed at the Plant Materials Center (to produce seed for later use on the Forest).



Pre-cleaning grass seed with the two-screen scalper (Alaska Plant Materials Center photo).



Ripening seed near Hope, Alaska at the end of August (Alaska Plant Materials Center photo).

Year Awarded: initial award in 2004

Project completion: 2008

Report number: 3 of 5

Expenditures (through 10/2006):

- FY04 funding \$28,000, expend. \$20,310; \$7,690 remaining
- FY05 funding \$19,000, expend. \$5,450; \$13,550 remaining
- FY06 funding \$18,350, expend. \$4,850; \$13,500 remaining
- **Total funding \$65,350, total expend. \$30,610;**
- **\$34,740 total remaining**

Partners/Contractors/Coop: Alaska Plant Materials Center (State of Alaska, Department of Natural Resources, Division of Agriculture).

Contact Person: R.L. DeVelice,
907-743-9437



Chugach National Forest
3301 C Street, Suite 300
Anchorage, AK 99503-3998