

CORVALLIS PLANT MATERIALS CENTER  
NATURAL RESOURCES CONSERVATION SERVICE  
CORVALLIS, OREGON  
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**THE 2006 LASSEN VOLCANIC NATIONAL PARK ANNUAL REPORT:**  
*Kings Creek Revegetation Project*

**I. Brief Background of Project**

The Corvallis Plant Materials Center (PMC) entered into a new agreement with Lassen Volcanic National Park in 2006 to provide native plant materials for revegetation in the King's Creak area. It was agreed that the PMC would produce a minimum of 3700 container plants including 700 legume plugs, 2500 sedge and rush plugs, 500 grass plugs and 1800 containers of one shrub. Activities in 2006 included collection of manzanita cuttings and seed of one grass and one legume.



Figure 1. Kings Creek Meadow, Lassen Volcanic National Park, October 12, 2006.

**II. Accessions Involved**

Table 1. Accessions involved in the Kings Creek Revegetation Project.

Species	Common name	Code	Accession	Activity in 2006
<i>Juncus balticus</i>	Baltic rush	JUBA	9079507	trl
<i>Carex abrupta</i>	abruptbeak sedge	CAAB2	9079503	trl
<i>Carex staminiformis</i>	Shasta sedge	CAST7	9079506	trl
<i>Lupinus obtusilobus</i>	satin lupine	LUOB	9079501	col, trl
<i>Deschampsia cespitosa</i>	tufted hairgrass	DECE	9079500	col, trl
<i>Arctostaphylos nevadensis</i>	pinemat manzanita	ARNE	9079498	col, trl
<i>Carex nigricans</i>	black alpine sedge	CANI2	9079499	col, trl
<i>Carex breweri</i>	Brewer's sedge	CABR12	9079505	trl
<i>Juncus parryi</i>	Parry's rush	JUPA	9079504	trl

### III. Seed and Plant Collections

PMC staff traveled to the Park on October 12, 2006 to collect manzanita cuttings and seed of any species on the collection list that were ripe. Over 500 cuttings were collected as well as a small amount of seed of tufted hairgrass and satin lupine. PMC staff traveled to the park again to collect manzanita cuttings on October 26, 2006. Approximately 100 cuttings were taken from about 7000 ft elevation, just ahead of snowfall. Target cuttings were of mature, 1-year-old (current season's growth) cuttings of good vigor and caliper. Cuttings were packed into moist vermiculite in polyethylene bags and shipped to the PMC at Corvallis packed in ice. These were then stored in a walk-in cooler at 38 F for 12 weeks. They will be propagated in the spring of 2007.



Figure 2. A very nice *Arctostaphylos nevadensis* cutting.

### III. Experimental Propagation

Most species involved in this project are ones that have never been propagated at the Corvallis PMC. Informal germination tests were set up on all of the species. Three set of 100 seeds were counted, weighed and placed in plastic germination boxes on moistened germination paper and stored in a growth chamber set at 8°C days and 4°C nights with 8 hours of light. *Juncus* sp. will undergo two stratification treatments: 45 days and 90

days. Carex sp. will be removed at 90 days and 120 days. The grass and legume will be removed after two weeks and four weeks. Results will be included in the 2007 annual report.

**V. Delivery of Plant Materials.**

There were no deliveries in 2006.