

Ski Slope Native Plant Revegetation Project, Humboldt-Toiyabe NF in Coordination with the Lake Tahoe Basin Management Unit, Eldorado NF, Tahoe NF, San Bernadino NF and Inyo NF.

2010 Accomplishments

This project was jointly initiated in 2009 by FS Regions 4 and 5. The objective is to develop seed mixes for ski run revegetation which include appropriate, local, native plants. Nine ski resorts located on six national forests are participating in the project. The goal of the project is to develop a native seed mix for each of the resorts that will perform as well or better at establishing vegetative cover and reducing erosion than the current non-native erosion control mixes used. The project will provide seed collection sites for the native plants used successfully in revegetation of ski slopes. The project was funded by grants from both FS Regions.

• **CESU was established with UC Davis to work with Jennifer Burt on project design and seed mix development.** 21 native plant species were selected based on the known occurrence and cover values greater than 10% on Sierra Nevada ski slopes.

• **Plots were established at each of the nine resorts.** This included a plot with soil amendments, without amendments plot and control plot. Five replicates were established at Mt Rose Ski Tahoe. The ski resort incorporated aged wood chips into the amended plot locations. Soil data and samples were collected for the project baseline information.

• **An agreement was established with UC Berkeley Botanic Garden to collect seed for the project.** Each forest provided seed collection sites. UCB started collections in 2009 and completed the collection in 2010. District botanists assisted with reporting the timing of seed development and maturation. It is anticipated seed will be sown in the fall of 2010.

• **The USFS Placerville nursery, as per the 2009 agreement has stored seed and provided viability tests.**



Humboldt- Toiyabe NF
Carson Ranger District
1536 S. Carson St.
Carson City, NV 89702



Figure 1: Graded section of Upper Bonanza Run, Mt. Rose Ski Resort, Humboldt-Toiyabe NF



Figure 2: Amended restoration plot, Zephyr Traverse.

Year Awarded: initial award in 2009

Project completion: 2013

Report number: 2 of 5

Expenditures (FY09): 29,500 Region 4 award

Partners/Contractors/Coop: UC Davis, UC Berkeley Botanic Garden, Placerville Nursery, Integrated Environmental, Ski Resorts: Mt Rose Ski Tahoe, Sierra at Tahoe, Kirkwood, Alpine Meadows, Mammoth Mountain Ski Area, Bear Mountain, Snow Summit, Snow Valley. Heavenly.

Contact Person & phone number:

Elizabeth Bergstrom 775-884-8154