

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

2011 Accomplishments

This project was initiated in 2009 to develop and test provisional seed mixes designed for revegetation and rehabilitation at nine ski resorts located on six national forests. The goal of the project is to develop a native seed mix for each of the nine resorts that will perform as well or better at establishing vegetative cover and reducing erosion than the current non-native erosion control mixes used at ski resorts. In addition a second phase of the project was initiated at the Mt. Rose Ski Resort which entailed amending the ski run with woodchips and out-planting containerized plants in 2012.

2011 Accomplishments/Activities Include:

- An additional 3 plots (1 replicate block) was seeded at Mt. Rose Ski Tahoe. This represents a total of 5 replicates at the Resort. This data set will be compiled with the Region 5 analysis.
- The first year of the post seeding monitoring was completed for 4 replicate plots at Mt. Rose Resort.
- Collected 15 soil samples from the plots and sent off for soil analysis: organic matter, potassium, magnesium, calcium, sodium, sulfate-sulfur, soil ph, cation exchange capacity, and soil texture.
- Soil scientist, Michael Hogan with Integrated Environmental Restoration Services , evaluated portions of the Bonanza Run amended with wood chips in 2010. Chips placed on the run did reduce the occurrence of rill erosion and also promoted the development of micro-biota and soil aggregation.
- Collaboration with Jennifer Burt/AECOM (formerly UC Davis) for continued assistance with development and implementation of the project.



Humboldt- Toiyabe NF
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Figure 1: Seedling establishment, revegetation plot, Bonanza Run. Mt. Rose Ski Tahoe, Humboldt-Toiyabe NF



Figure 2: Section of Upper Bonanza Run amended with wood chips

Year Awarded: initial award in 2009
Project completion: 2013
Report number: 3 of 5
Expenditures (FY11): Mt. Rose Ski Tahoe Resort facilitated the site visits for Michael Hogan, Integrated Environmental Restoration Services

Partners/Contractors/Coop: UC Davis/AECOM, Region 5 Forests and Ski Resorts, Integrated Environmental Restoration Services, Mt Rose Ski Tahoe Resort, Nevada Division of Forestry – Washoe Nursery, UC Berkley Botanic Garden
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