

# Deschutes National Forest Botany Program

## 2009 Accomplishments

### Threatened, Endangered and Sensitive Plants:

- Monitored effects of grazing on pumice grape-fern (*Botrychium pumicola*), mowing treatments (for fuels reduction) on green-tinged paintbrush (*Castilleja chlorotica*), and thinning treatments on survival of Peck's penstemon (*Penstemon peckii*) seedlings
- Censused Mt. Bachelor pumice grape fern population and collaborated with national and regional *Botrychium* experts.
- Completed 3<sup>rd</sup> and final draft of Peck's penstemon Conservation Strategy
- Provided bryophyte and sedge expertise to the Fremont/Winema National Forest, locating 62 new sensitive species sites.
- Surveys resulted in new sites for many species, including pumice grape-fern, inundated clubmoss (*Lycopodiella inundata*), lesser bladderwort (*Utricularia minor*) rannoch-rush (*Scheuchzeria palustris* var. *americana*), capitate sedge (*Carex capitata*), slender sedge (*C. lasiocarpa* var. *americana*), and several mosses (*Tomentypnum nitens*, *Schistostega pennata*)
- Provided support for Forest projects with surveys, Interdisciplinary Team participation, and completion of 37 Biological Evaluations

### Conservation Education:

- Volunteer work day to clean up Whychus Creek
- Camp Polk Ecology/History Tour
- Central Oregon Realtors Whychus Ecology Tour
- Sisters Middle School Arts discovery class
- Led fern field trips for various local, regional and national staff
- Crescent Creek Field day, Celebrating Wildflower presentations, and assisted Gilchrist School in developing native plant nursery.
- Initiated the first partnership with Wolfree Watershed Science Program for Gilchrist School

### Unique Plants and Habitats:

- Provided botanical support for a contract to assess potential new Research Natural Areas and for the Regional Groundwater Dependent Ecosystem Team (including a national 3-year pilot project on the Chemult District, Fremont-Winema NF)



Figure 1. Rick Dewey teaches about fern plants, 2009.



Figure 2. Bend/Ft. Rock partnership project to census pumice grape-fern on Mt. Bachelor, Deschutes National Forest, 2009.



Figure 3. Crescent District Botanists surveying for inundated clubmoss (*Lycopodiella inundata*).

**Year Awarded:** 2009

**Expenditures:** \$52,626 Total NFWF Funding

**Partners/Contractors/Coop:** Crater Lake National Park, Southern Oregon University, Iowa State University (Don Farrar), Sisters High School, Oregon National Guard Youth Challenge, National Forest Foundation, Whychus Friends of the Forest, Gilchrist School, Wolfree, Western Stewardship Science Institute, Upper Deschutes Watershed Council, REI, Roundhouse Foundation, Sisters Trail Alliance.

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