



Reporting Our Progress in Caring for the Land and Serving People



Soil and Climate Monitoring Stations Soils Program FY2012 Accomplishments Humboldt-Toiyabe National Forest, Intermountain Region

State: Nevada

Congressional District: 3rd and 4th

Accomplishments:

- Installation of seven Soil Climate Analysis Network (SCAN) and three Snow Telemetry (SNOTEL) sites on federal lands in southern Nevada.

Forest Service Contribution: \$250,000

Partner Contribution: \$250,000

Project Costs: \$500,000

External Partners:

NPS, BLM, USGS, ARS, USFWS and Univ. of Las Vegas.

Internal Partners:

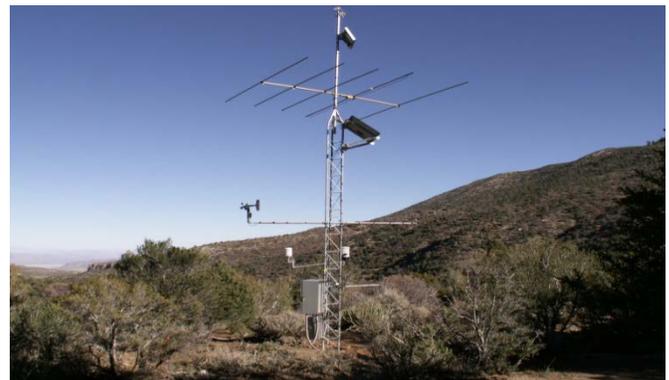
Rocky Mountain Research Station.

The stations will be used as part of a national network of monitoring stations to measure changes over time in soil, vegetation and climate. The data collected will assist managers in understanding the effects of climate change on the many sensitive and endemic species occurring on the Spring Mountains and Sheep Mountains of NV. This is especially important in these two mountain ranges since they have very diverse ecological zones for the Mojave Desert ranging from creosote bush and desert shrub to alpine communities and bristlecone pine communities.



Establishing a Soil Climate Analysis Network (SCAN) site.

SCAN stations are also used to predict management effects on soils and vegetation, and to identify management treatments that will be compatible with possible climatic changes. The Desert Research Institute (DRI), University of Las Vegas (UNLV) and the University of Nevada Reno (UNR) are working cooperatively with land management agencies to model climate at a regional and national level. These monitoring stations are critical to the partnership and will provide important information for land management and policy decision makers.



Operational SCAN Site.