

GIS Specialist/Landscape Ecology

New Mexico State University/USDA-ARS Jornada Experimental Range Las Cruces, New Mexico.

RESPONSIBILITIES

- 1) Assist in development of potential-based land classification and modeling systems for rangelands.
- 2) Process and analyze satellite imagery and aerial photography to map soils and vegetation. Current projects are in rangeland areas of the western U.S. and Mongolia.
- 3) Develop/maintain databases relating climate/soil/vegetation maps to GIS and field based data.
- 4) Training clients (natural resources managers) in the uses of maps and databases.
- 5) Field validation of maps and field measurements of vegetation and soils.

EDUCATIONAL REQUIREMENTS/QUALIFICATIONS

Bachelor's degree in Ecology, Geography, Remote Sensing, Natural Resources, or Environmental Science. Coursework/training in Landscape Ecology, GIS, Remote Sensing. Master's degree preferred. Three years job related experience required, including remote-sensed data processing and geodatabase development. Experience with GIS and image processing software, including Erdas Imagine, Leica Photogrammetric Suite, ESRI suite, ENVI, eCognition, Feature Analyst. Experience with soils, climate, geomorphology, and/or vegetation classification and mapping. Familiarity with databases, including Access and ArcGIS.

SALARY/BENEFITS

\$36,000-39,000/year depending on experience and contingent on continued funding. New Mexico Educational Retirement, Social Security, Unemployment and Workers' Compensation, Annual and Sick Leave, Group Medical, Dental and Hospital Insurance and Life Insurance.

Offer of employment contingent upon verification of individual's eligibility for employment in the United States. All offers of employment, oral and written, are contingent on the university's verification of credentials and other information required by federal law, state law, and NMSU policies/procedures, and may include the completion of a criminal history check.

NMSU IS AN EQUAL EMPLOYMENT OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

To apply, send letter of interest, resume/curriculum vita, unofficial transcripts, and names, addresses, emails, and phone numbers of three references to:

Brandon Bestelmeyer
USDA-ARS Jornada Experimental Range
MSC 3JER Box 30003
New Mexico State University
Las Cruces, NM 88003
575-646-5139 (phone)
575-646-5889 (fax)
bbestelm"at"nmsu.edu

Review of applications will begin on October 1, 2008 until the position is filled.