

UTAH GEOLOGICAL SURVEY Position Announcement

Title: Wetlands Mapper
Work Location: Utah Geological Survey, Salt Lake City, UT
Pay Rate: \$17-23/hour, plus benefits
Closing Date: Applications will be evaluated starting February 12, but will be accepted until the position is filled.
Start Date: No later than April 2



Position Description: The Utah Geological Survey seeks to hire a Lead Wetland Mapper to carry out wetland mapping projects in the state. The incumbent will be trained by the outgoing Wetlands Mapper and then independently lead all aspects of mapping projects, including digitizing and classifying wetland polygons, collecting field validation data, writing mapping report, and managing grants. The incumbent will also spend approximately three weeks per year maintaining a network of wetland piezometers in a remote location in western Utah. The incumbent will have the opportunity to collaborate with colleagues on other wetland-related research projects and to pursue funding for new projects that match the incumbent's interests and skills. Work will primarily be conducted in the office with occasional day trips and overnights stays in the field.

Duties

- Use photo interpretation techniques to identify and classify wetlands and other habitats using the Cowardin classification system.
- Apply knowledge of wetland soils, plants, and hydrology to field-verify wetland maps.
- Work with USFWS personnel to integrate mapping data and mapping report into the National Wetlands Inventory.
- Engage with stakeholders to determine priority areas for new mapping projects and to seek new funding opportunities.
- Train and supervise technicians to assist with mapping projects.
- Maintain network of wetland piezometers and download piezometer data.
- Collaborate with colleagues on other wetland-related research projects.

Qualifications:

- Completion of a bachelor's degree in ecology, biology, geography, geology, or related field. Master's preferred.

- Extensive experience with a variety of functions in GIS, such as the editor, topology, and spatial analyst tools.
- Prior experience digitizing natural resource features from aerial imagery. Prior experience with digitizing wetlands or with the National Wetland Inventory mapping preferred.
- Familiarity with wetland classification schemes such as Cowardin, hydrogeomorphic, and LLWW (landscape position, landform, water flow path, and waterbody type).
- Knowledge of wetland hydrology, vegetation, soils, and wildlife habitat to assist with preparing mapping report and for completing field validation surveys.
- Ability to work independently and take a leadership role. Must have previous leadership or project management experience.
- Strong writing skills. Grant writing experience preferred.
- Ability to build relationships and communicate project goals and results effectively with stakeholders including local, state, and federal agencies. Experience with obtaining external funding preferred.
- Experience with field work and willingness to occasionally work long hours and unusual schedules in the field.

This position is a Schedule TL (Time Limited) position. Employees in this position serve at the pleasure of the appointing officer in an at will status. The State of Utah offers eligible employees a variety of benefits including medical, dental, life and disability insurance, as well as a comprehensive leave program. Please click the following link for detailed information: [Benefits](#)

To apply, submit resume, cover letter, three references (with phone numbers), and a report or other product from a GIS project you have developed to Diane Menuz, State Wetland Coordinator, at the Utah Geological Survey, dmenuz@utah.gov. Please indicate your available start date. You may direct all questions to this email.