



COLORADO NATURAL HERITAGE PROGRAM Position Announcement



TITLE:	Wyoming BLM Riparian Botanists
POSITION TYPE:	Full-time, temporary
NUMBER OF POSITIONS:	2 Riparian Botanists
WORK LOCATIONS:	Multiple locations throughout Wyoming
PAY RATE:	\$15.00–\$18.00, depending on experience and position. Per diem when traveling beyond base location. Health insurance provided.
DURATION:	May–September 2020

Summary of Positions

In partnership with the Wyoming Bureau of Land Management (BLM), the Colorado Natural Heritage Program (CNHP) is seeking experienced Riparian Botanists to assist in the implementation of BLM's Aquatic Assessment, Inventory and Monitoring (AIM) initiative as well as the Multiple Indicator Monitoring (MIM) of stream channels and streamside vegetation. Successful applicants will be trained in Multiple Indicator Monitoring protocols by the BLM's National Riparian Service Team and will assess riparian vegetation. ***All Technicians must be available for the weeklong training (dates to be announced)***.

Two Riparian Botanists will be hired. Each Botanist will join a two-person field team of Aquatic Technicians hired through a separate pool, resulting in a three-person field team that will work collectively to carry out aquatic and riparian sampling. The teams will work closely with Wyoming BLM Staff and CNHP Ecologists. Crews will spend 4–8 days in a row in the field, often camping away from BLM Field Offices. Data collection will include water quality sampling, stream habitat data, and benthic macro invertebrates. Field protocols can be found here: <https://www.blm.gov/documents/national-office/blm-library/technical-reference/multiple-indicator-monitoring-mim-stream>.

Riparian Botanist positions will be responsible for all vegetation sampling along streams. They will need to key all riparian vascular plants found along the streambank to the species level either in the field or in the office after sampling. They will be required to collect vouchers of unknown species and track all unknowns from multiple sites over a sampling hitch. The Riparian Botanist will also be responsible for collecting data on the intensity of grazing impact to the streambank and riparian vegetation following defined protocols.



Qualifications for Riparian Botanists

1. Coursework in botany, ecology, wetland science, natural resources, range management, or related field ***required*** for all positions. A completed B.S. degree is preferred for all positions.
2. Field experience collecting scientific data, specifically vegetation sampling, ***required*** for all positions.
3. Ability to identify riparian graminoids, forbs, shrubs and trees to species using dichotomous keys is ***required*** for all positions. Good familiarity with riparian species and commonly accepted plant nomenclature in the Rocky Mountain West is preferred.
4. Experience with aerial photography (Google Earth), navigating with a topographic map, and use of GPS preferred for all positions and ***required*** for Lead Technicians. Experience with ArcGIS preferred for Lead Technicians, but not required.

5. Willingness and ability to work long hours and unusual schedules, travel extensively during the field season, share living quarters in rustic field housing, bunkhouses, and car camping, and potentially backpack and hike long distances (up to 10 miles / day) while carrying a heavy pack (up to 40 lbs) required for all positions.
6. Willingness and ability to work with a positive attitude in field conditions that include exposure to inclement weather, rugged terrain, hot or cold weather (30–110° F), mosquitos, and poisonous plants, all while maintaining a strong commitment to team safety required for all positions.
7. High degree of comfort wading in all types of streams including those with slick rocks, boulders, fast water, cold water, deep mud, and log jams is required for all positions.
8. Careful attention to detail and strong written and organizational skills to complete lengthy field forms required for all positions. Experience collecting data electronically using tablets or other devices preferred for all positions.
9. Strong oral communication skills for professional interactions with BLM staff and private landowners required for all positions.
10. A valid driver's license required for all positions. Experience driving 4x4 vehicles on rough roads preferred.
11. Wilderness First Aid or other field safety training preferred for all positions.

Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

To apply email resume, cover letter, and three references (with phone numbers) to Joanna Lemly at Joanna.Lemly@colostate.edu. First consideration of applicants will begin January 13, 2020. Applications will continue to be accepted until all positions are filled or until April 30, 2020, whichever comes first.



Colorado State University is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct **background investigations** for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search and motor vehicle history.



Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.

