

STATEMENT OF QUALIFICATIONS

ELLIOTT ENVIRONMENTAL CONSULTING

Owned and Operated by Brian and Emily Elliott

Introduction

Elliott Environmental Consulting (EEC) is dedicated to the project planning process for land owners and land managers. Our goal is to integrate species conservation in project planning. We achieve this goal by providing accurate and relevant biological data to project planners in a timely and cost effective manner.

Our area of expertise is biology; we provide a variety of services related to biological issues, including wildlife and botanical survey and inventory, threatened and endangered species, rare species, invasive species and noxious weeds, and implementation monitoring. We have experience implementing a wide range of vegetation monitoring protocols. We also provide regulatory assistance with the Endangered Species Act (ESA), National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) compliance, biological assessments, biological evaluations, noxious weed risk assessments, and timber harvest plans. We have worked on a wide range of projects throughout the western United States as well as in forests of the southeastern coastal plain.



Mancos milkvetch (*Astragalus humillimus*)



Services Offered

EEC provides a variety of services designed to integrate species conservation with project planning. We perform field work and produce documentation designed to inform our clients and satisfy the needs of regulatory agencies.

Our services include:

- Botanical surveys and inventory
- Wildlife surveys and inventory
- Special status species inventory
- Noxious weed/invasive species inventory and monitoring
- Field mapping of biological elements
- Vegetation and rangeland monitoring
- Common stand exams
- Impact analysis, biological assessments, and biological evaluations
- Federal Endangered Species Act documentation and compliance
- National Environmental Policy Act documentation and compliance
- State Endangered Species Act documentation and compliance
- Mitigation planning
- Implementation monitoring
- Categorical Exclusions
- Environmental Assessments and Environmental Impact Statements

Staff

Brian Elliott is the managing partner of EEC. He has had a lifetime interest in botany, ethnobotany, ecology, and the flora of western North America. Brian has earned undergraduate degrees in plant science and philosophy as well as a master's degree in botany. He has worked as a botanist for both the Bureau of Land Management and the Forest Service. In the course of his career he has written over one hundred biological assessments and biological evaluations. Brian has worked on a wide variety of projects and has successfully devised protection and mitigation for rare and invasive species in many of these projects. He has worked in several states and with a





variety of rare and invasive species. His experience as a former agency biologist provides insight into the planning process as well as the needs and concerns of agency biologists.

Emily Elliott is the President of EEC. She has worked as a range specialist for the Forest Service and as a rare plant surveyor for the Colorado Natural Heritage Program prior to forming Elliott Environmental Consulting in 2007. She earned an undergraduate degree in Rangeland Ecology from Colorado State University and a Master's degree in Botany from the University of Wyoming. She currently manages the daily activities of EEC.



EEC works with several talented natural resource professionals. We hire knowledgeable, experienced, and field competent botanists, wildlife biologists, and ecologists as needed.

Previous Projects and Clients

EEC was formed in 2007 and has since worked on a variety of projects with diverse clients. We have performed field work and produced documentation (survey reports, biological evaluations, and biological assessments) in support of the following projects:

Savannah River Site 2014. EEC currently holds an indefinite delivery/indefinite quantity (IDIQ) contract on the Savannah River Site in South Carolina.

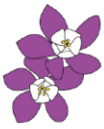
- 2014. Rare plant and non-native invasive plant species surveys in support of timber management activities and inventories of set-aside areas.



Southern pine forest

Sumter National Forest 2014–2015.

- 2014. Rare plant surveys in support of timber management activities.



Tri-State Generating and Transmission, Inc.

- 2014. Rare plant and non-native invasive species surveys on the Meeker-Hayden transmission line.
- 2014. Rare plant and non-native invasive species surveys on the Meeker-Rifle transmission line.
- 2014. 2014. Rare plant and non-native invasive species surveys on the Cascade-Silverton transmission line.
- Implementation monitoring of optical ground wire on the Cascade-Silverton transmission line.



Transmission line in western Colorado

Western Area Power Administration (Western) 2007–2012. EEC has performed rare plant and invasive species surveys and produced biological assessments/evaluations on Western's rights-of-way in Arizona, Colorado, Nebraska, New Mexico, Utah, and Wyoming in support of several proposed actions. Task orders awarded include:

- 2014. Programmatic biological assessment for powerline maintenance in the Four Corners region.
- 2013. Implementation monitoring of access road repairs in the Four Corners area.
- 2013. Colorado butterfly plant and Ute ladies-tresses surveys of Archer-Sydney power transmission line corridor in southwestern Nebraska.
- 2013. Rare plant, non-native invasive species, and wildlife surveys of Kremmling area power transmission line corridors in western Colorado.
- 2013. Colorado butterfly plant and Ute ladies-tresses surveys of Archer-Sydney power transmission line corridor in southwestern Nebraska.



**Mesa Verde cactus
(*Sclerocactus mesae-verde*)**



- 2007–2013. Botanical surveys, biological assessments/evaluations, and species of local concern reports for 285 miles of vegetation management on Western’s power transmission lines on eight National Forests in Colorado, Nebraska, and Utah.
- 2012. Mesa Verde cactus (*Sclerocactus mesae-verde*), Mancos milkvetch (*Astragalus humillimus*), and Ute Nation rare plant surveys in support of road maintenance and repair on Western’s power transmission lines in southwestern Colorado.
- 2011–2012. Mesa Verde cactus (*Sclerocactus mesae-verde*), Mancos milkvetch (*Astragalus humillimus*), and Navajo Nation rare plant surveys in support of road maintenance and repair on Western’s power transmission lines in northwestern New Mexico and adjacent Arizona.
- 2010–2012. Implementation monitoring of Russian olive removal at Ute ladies-tresses orchid (*Spiranthes diluvialis*) sites in Utah.
- 2008–2010. Ute ladies-tresses orchid (*Spiranthes diluvialis*) surveys at transmission line riparian crossings in Colorado, Utah, and Wyoming.
- 2009. Botanical surveys on the Blue River – Summit transmission line removal project on the White River National Forest.

Forest Service Region 3 (Southwestern Region) 2011–2012. EEC currently holds an indefinite delivery/indefinite quantity (IDIQ) contract to provide non-native invasive species surveys for Region 3 of the Forest Service. Task orders awarded include:

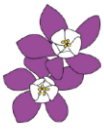
- 2013–2014. Soldier Fire non-native invasive species fall surveys in the Patagonia Mountains, Arizona.
- 2012. Non-native invasive species surveys on over 350 miles of roads, trails, and drainages on the Horseshoe II fire in the Chiricahua Range on the Coronado National Forest of southern Arizona.
- 2011. Non-native invasive species surveys on the Monument (32,074 acres), Arlene (10,610 acres), Duke (8,500 acres), Duquesne (1,995 acres), North Tank (1,150 acres), and Wildcat (400 acres) fires on the Coronado National Forest of southern Arizona.



Yellow bluestem (*Bothriochloa ischaemum*)

Black Hills National Forest (BHNF) 2009–2012. EEC currently holds an indefinite delivery/indefinite quantity (IDIQ) contract to provide botanical services to the BHNF. Task orders awarded include:

- 2012. Botanical surveys for the Luthasaari (15,011) and O’Neill (25,964) timber sale and fuels reduction project.



- 2009–2010. Botanical inventories of the Black Fox, (316 acres), Dugout (766 acres), and Higgins Gulch (516 acres) Botanical Areas.

National Forests and Grasslands of Texas (NFGT) 2010–2011. EEC currently holds an indefinite delivery/indefinite quantity (IDIQ) contract to provide botanical services to the NFGT. Task orders awarded include:

- 2010. Botanical surveys for the Groveton (500 acres) and Moore Plantation (460 acres) timber sale and fuels reduction project.

Colorado Fourteeners Initiative (CFI) 2007–2012. EEC has supported CFI's work of trail re-routes and construction on Colorado's 14,000 foot peaks. Rare plant surveys have been performed on 13 peaks, including Mt. Princeton, Kit Carson, Maroon, North Maroon, Blanca, Crestone, Wilson, El Diente, Massive, Lincoln, Democrat, Bross, and Cameron peaks. Survey reports have produced for each survey.

Jerome Gonzales Management Systems (JGMS), Inc. EEC has partnered with JGMS on the following projects:

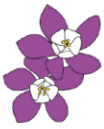


- 2014. Jone's cycladenia (*Cycladenia jonesii*) additional surveys in southeastern Utah.
- 2012. Jone's cycladenia (*Cycladenia jonesii*) study including habitat modeling, known site revisits, and field surveys in southeastern Utah.
- 2011. Botanical surveys of Snowmass Ski Area and biological evaluation for Aspen Ski Areas Forest Health Project on the White River National Forest in Colorado.
- 2010–2011. Botanical survey and biological evaluation for the Ophir Mountain Fuels Reduction Project on the White River National Forest in Colorado.

Jone's cycladenia (*Cycladenia jonesii*)

Garcia and Associates (GANDA) 2008–2011. Brian Elliott worked with GANDA as a crew member, crew leader, and assistant field supervisor on five large solar generating projects in the Mojave Desert. These projects include:

- 2011. Botanical surveys in support of the Hidden Hills Solar Generating Project on approximately 4,000 acres in southern California's Mojave Desert.
- 2010. Botanical surveys in support of the River Bluffs Solar Generating Project on 1,545 acres in southern California's Mojave Desert.



- 2009. Botanical surveys in Support of the Broadwell Lake Solar Generating Project on over 13,000 acres southern California's Mojave Desert.
- 2008. Botanical surveys in support of the Ivanpah Solar Generating Project (approximately 4,000 acres) and the Southern Nevada Solar Generating Project (approximately 4,500 acres) in the Mojave Desert of southern California and Nevada.

Shoshone National Forest (SNF):

- 2012. Rare plant surveys on the Beartooth Plateau.
- 2012. Rare plant and noxious weed surveys for the Greybull timber and fuel reduction project.
- 2012. Update of the SNF rare plants database.
- 2011. Directed surveys for *Amerorchis rotundifolia* (round-leaf orchid) in northwestern Wyoming.

Lincoln National Forest:

- 2015. Non-forested vegetation monitoring designed to measure vegetation change in southeastern New Mexico.
- 2015. Rare plant survey in support of rangeland and timber management projects on 4,100 acres distributed across the Lincoln National Forest.
- 2011. Non-forested vegetation monitoring designed to measure vegetation change in southeastern New Mexico.

Small Projects:

- 2014. Directed field survey for *Draba weberi* in central Colorado resulting in the discovery of two new sites of this extremely rare species.
- 2014. Field surveys for two rare lichens (*Xanthoparmelia idahoensis* and *Circinaria rogeri*) in Middle Park, Colorado.
- 2013. Rediscovery of two historic sites of *Festuca hallii* in Colorado.
- 2011. *Spiranthes diluvialis* (Ute ladies'-tresses orchid) surveys and floristic inventory at the Mt. Sopris Tree Farm (White River National Forest) near Aspen, Colorado.



Circinaria rogeri, a rare lichen

- 2010 Revisit of known sites and directed surveys for *Viola selkirkii* (great spurred violet) on the Pike and San Isabel National Forests.
- 2007 *Spiranthes diluvialis* (Ute ladies'-tresses orchid) surveys in Montana's Boulder River Valley in support of highway expansion.



- 2007. Botanical surveys and biological evaluation in support of construction activities at Ski Cooper near Leadville, Colorado.
- 2007. Botanical surveys and biological evaluation in support of trail re-routes on the Colorado Trail near Leadville, Colorado.



Round-leaf orchid (*Amerorchis rotundifolia*)



Jone's columbine (*Aquilegia jonesii*)

Contact Us

Additional information about Elliott Environmental Consulting, including resumes, is located at www.elliottconsultingusa.com.

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