

Sarah J. Metcalf

12930 384th Ave.
Aberdeen, SD, 57401
(605) 228-4736
smetcalf12@gmail.com

Education:

Masters of Science in Land Rehabilitation- Montana State University, May 2005

Bachelors of Science in Biology- Montana State University, Dec. 1998

Experience:

SD Pipeline Liaison Officer

Ellis and Associates, Inc. 05/08-present

- Facilitated communications between officials with the Keystone Pipeline and the South Dakota Public Utility Commission, other regulatory agencies, landowners or other concerned parties with concerns about the Hydrocarbon Pipeline construction in South Dakota.
- Conducted on site visits and inspections of construction sites and haul roads to assess the problems and coordinate a resolution with affected groups to help resolve any issues related to pipeline construction.
- Met with concerned parties and regulatory agencies to explain procedures or address issues regarding construction.
- Filed a quarterly reports with the SD-PUC regarding all communications and activities of the SD Pipeline Liaison Officer, during the construction phase. File yearly reports for three years post construction.

Senior Land Agent

Ellis and Associates, Inc. 03/06-05/08

- Worked with landowners to obtain permission to conduct surveys for NEPA study of Hydrocarbon pipeline corridor, explaining the procedures and addressing questions and concerns of landowners and regulatory agencies.
- Coordinated cultural, environmental and civil surveys, with landowners and contractors to ensure proper access and notification practices.
- Negotiated with landowners to obtain easements for pipeline right of way.
- Conducted on site visits and inspections to assess damages and address landowner concerns.
- Met with regulatory agencies to obtain various permits for roads, contractor yards and other pipeline facilities and operations.
- State Safety Representative: Monitored and reported all agent safety issues, conducted weekly safety meetings and reports for SD Keystone Land Office.
- Title searches, meetings, reporting and other administrative duties.

Environmental Planner II

Danelowitz and Associates, Inc. 01/06-03/06

- Worked for Arizona Department of Transportation Environmental Enhancement Group in Phoenix AZ. Coordinating environmental planning issues during NEPA environmental clearance for road development and repair projects.
- Specifically dealt with the Clean Water Act and 404 permitting, threatened and endangered species, habitat protection, cultural and historic issues, air and noise quality, mitigation measures and public and agency scoping/outreach projects.
- Coordinated with other departments, contractors, agencies and the public to assist ADOT in the environmental clearance process for several projects concurrently.

Wetland Specialist/Environmental Consultant

Pioneer Environmental 06/05-11/05

- Designed and coordinated mitigation projects for multiple projects.
- Conducted wetland delineation, 404 permitting and construction inspection of mitigation sites, erosion control in impacted wetland sites during development of Spanish Peaks Resort in Big Sky, MT.
- Designed and supervised construction of wetland mitigation and restoration projects for the E.P.A. at Lone Moose Meadows in Big Sky, MT.
- Consulted at Snake River Sport Club in Jackson Hole, WY, located and inspected wetland mitigation sites and supervised revegetation activities.
- Archaeological survey at JY Ranch in Grand Teton NP to avoid cultural impact prior to construction of visitors' center. Assisted in land rehabilitation efforts in forested areas of the ranch.

Field and Lab Technician

Metcalf Archaeological Consultants- 6/90-10/00

- Conducted archaeological surveys and excavations for cultural impact assessment prior to and during land development. Artifact and feature mapping, inventory, sampling and collection.
- Conducted topographical and archaeological site mapping with GPS, compass, laser level, and total station.
- Analyzed artifacts, soil samples and radiocarbon dating materials.
- Performed data entry and graphing and office duties such as bookkeeping, inventory and payroll.

Environmental Inspector

BioResources INC.- 5/99-11/99

- Monitored construction of natural gas pipelines across Wyoming for environmental compliance with NEPA, FERC and EPA regulations.
- Conducted biological surveys related to threatened and endangered species, wetland delineation and mitigation, protection and erosion control.

- Monitored construction in critical habitat areas. Trapped, examined and relocated threatened species when necessary.
- Identified, documented and mapped noxious weed patches.
- Monitored rehabilitation processes; topsoil salvation, over burden removal and replacement, wetland and stream bank reconstruction, seeding and mulching.

Publications and Presentations:

Metcalf S., Jones C., and Holzworth L. January 2006. USDA-NRCS Plant Materials Technical Note No. MT-54 Symbiotic Nitrogen Fixation and Establishment of Six Montana Native Legumes Species. <http://www.plant-materials.nrcs.usda.gov/pubs/copmcpg6662.pdf>

Metcalf, S.J. 2005. Symbiotic Nitrogen Fixation and Establishment of Montana Native Legume Species, Montana State University, Bozeman. Available at <http://wwwlib.umi.com/cr/montana/main>.

Jones C., Metcalf S., Holzworth L. and Majerus M. 2005 Native Plants Journal-Field Establishment and Symbiotic Nitrogen Fixation of Six Montana Native Legumes Species. Submitted for review to Native Plants Journal

Lecturer at the 19th North American Symbiotic Nitrogen Fixation Conference June 27-July 1, 2004, Bozeman, MT. Also co-host and coordinator for five day conference and set up lecturer presentations.

Guest lecturer at MSU Agricultural Research Station Field Days in Moccasin, MT July 2004.

Guest lecturer for NRCS and MSU at Post Farm for an international scientist tour of Montana agricultural and forage production practices.