

Melissa A. Lauterbach-Barrett

Wetland Scientist – Soil Scientist

EDUCATION

Master of Science, Soil Morphology and Genesis, 1999
Iowa State University, Ames, IA

Bachelor of Science, Soil Science, 1995
North Dakota State University, Fargo, ND

EXPERIENCE

KJOLHAUG ENVIRONMENTAL SERVICES COMPANY, Shorewood, Minnesota

Wetland Scientist – November 2004 to Present

- Perform wetland delineations and functional assessments.
- Preparation of technical and semi-technical reports on wetlands and other natural resources.
- Preparation of wetland permit applications including impact sequencing and replacement plans.
- Manage work independently on various projects types with private and public sector clients.
- Familiarity with Federal, State, County, City, and Watershed District rules in Minnesota.

Certifications

Minnesota Licensed Professional Soil Scientist No. 45067

Minnesota Certified Wetland Delineator No. 1085

Society of Wetland Scientists certification in process

IOWA DEPARTMENT OF TRANSPORTATION, Ames, Iowa

Environmental Specialist Senior – Wetland Specialist - October 2002 to November 2004

- Assess impacts of transportation projects statewide on the biological community including wetlands, woodlands, prairies, streams, water quality, threatened and/or endangered species, wildlife, and habitats.
- Coordinate with designers, transportation offices, and state and federal agencies to delineate wetlands and avoid or minimize impacts.
- Prepare and submit applications for Section 404/401 permits, and EPA Region VII permits.
- Develop conceptual mitigation plans for wetland and upland restoration and creation.
- Coordinate permitting activities with regulating agencies.
- Advise management on a variety of environmental areas to facilitate the understanding of state and federal programs.
- Assure that agency goals and objectives are met.
- Assist in the development of office policy and procedures.
- Program administration and support through consultant oversight.
- Professional development through: grant preparation, application and administration; review of current scientific literature and proposed or final governmental regulations.

Certifications

Regulatory IV – Wetlands Identification and Delineation, Army Corps of Engineers

IOWA DEPARTMENT OF PUBLIC HEALTH, Des Moines, Iowa

Environmental Specialist Senior – Superfund Risk Assessor – July 2001 to October 2002

- Calculate and review risk-based cleanup levels for Superfund hazardous waste sites in Iowa.
- Conduct and review risk assessments for CERCLA and RCRA sites.
- Provide technical assistance as requested by EPA Region VII office and Iowa DNR.
- Responsible for consultant oversight of remediation activities.
- EPA training included Risk Assessment Guidance for Superfund, Phase I/II Preliminary Assessment/Site Inspection, Risk and Decision Making, and Quality Assurance/Quality Control.

Certifications

Risk Based Corrective Actions (RBCA), Iowa Department of Natural Resources
40-Hour HAZWOPER, Environmental Protection Agency

IOWA STATE UNIVERISTY, Ames, Iowa

Laboratory Coordinator / Graduate Research Assistant – January 1996 to July 2001

- Coordinator for the Iowa State University - NRCS Soil Survey Laboratory.
- Responsible for the timely turnaround of Natural Resources Conservation Service samples through laboratory guidance and supervision.
- Data reports and results were used for the development of County Soil Surveys throughout Iowa.

Masters thesis analyzed the interaction of biological and physical properties influencing soil quality. Coursework for Doctorate degree was completed.

PROFESSIONAL ASSOCIATIONS AND ACTIVITIES

Elected Member - Minnehaha Creek Watershed District Rule Making Task Force
Minnesota Association of Professional Soil Scientists
Minnesota Wetland Professionals Association

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