



EXPERIENCE SUMMARY

Anna has consulting experience in both water resources engineering and geotechnical engineering, as well as expertise in GIS analysis. With her academic training in geological engineering and geology, she has a practical and theoretical understanding of complex groundwater issues. She has experience in a wide variety of field testing, and a strong interest in green building.

EXPERTISE

Groundwater Analysis & Modeling
Geographic Information System Mapping
Erosion Control & Restoration
Low Impact Development

REGISTRATION

Engineer in Training (E.I.T.)
Washington #28495

EDUCATION

BS in Geological Engineering, 2006
BS in Geology, 2006
University of Wisconsin - Madison
Madison, WI

Geology Field Course, 2007
Massey University
Wellington, New Zealand

PROFESSIONAL HISTORY

Montgomery Associates: Resource Solutions,
LLC
Staff Engineer, 2009 – Present

Horticulture Department,
University of Wisconsin-Madison
GIS Specialist, 2008-2009

Terracon Consultants, Inc.
Geotechnical Engineer, 2007-2008
Lynnwood, WA

UW-Madison Arboretum Native Plant
Garden
Gardener, Summer 2005 and 2006
Madison, WI

PROFESSIONAL AFFILIATIONS

Wisconsin Ground Water Association
Engineers Without Borders, Madison Area
Professional Chapter

SELECTED PROJECT EXPERIENCE

Lake Belle View Restoration Project, Belleville, WI (MARS, 2009)

- Conducted groundwater budget analysis for proposed restoration of Lake Belle View
- Created analytic element groundwater model (GFLOW) to estimate lake stage and groundwater inflow

Erosion Control Plans, ATC and Alliant Energy Utility Projects (MARS, 2009)

- Prepared erosion control plans and permitting documents for various utility projects meeting state and local criteria
- Analyzed site conditions using GIS and identified areas where additional erosion control practices may be necessary
- Provided construction-time field support for implementation of erosion control practices

Stormwater Management Plan, Spring Green Substation (MARS, 2009)

- Analyzed current and proposed hydrologic conditions using XP-SWMM and TR-55
- Performed water quality analyses using P8
- Prepared preliminary site grading plans

Flood of December 2007, Chehalis and Centralia, WA (Terracon Consultants, 2008)

- Researched and compiled flooding data, including local elevation data and high water mark point data
- Constructed simulated flood surface using ArcView mapping tools
- Designed maps of flood extent based on compiled and generated data

Seattle University Elevator Addition (Terracon Consultants, 2008)

- Observed and inspected excavation adjacent to existing building as well as pile installation
- Verified erosion control methods were in accordance with project specifications

ANNA C. DAHL, E.I.T.
STAFF ENGINEER

**Species Distribution Mapping for
USDA Research (University of
Wisconsin-Madison, 2008-2009)**

- Georeferenced locality data for individual potato specimens
- Maintained and updated an extensive locality database
- Created species distribution maps to aid in potato taxonomy research

**Big Gulch Sewer Project (Terracon
Consultants, 2008)**

- Monitored groundwater levels
- Collected and classified soil samples in the field
- Analyzed various soil samples using geotechnical laboratory testing