

# Jen Martin

334 South Snelling Street | St. Paul, MN 55102  
(651) 555-8763 (h) | (651) 555-2901(c) | jenmartin906@gmail.com

## Conservation Intern

**Determined, detail-oriented, highly accountable natural resource professional**, with hands-on and fieldwork experience in a wide range of natural resource issues and challenges. Diligent and self-motivated problem solver with the ability to stay focused on a project until it is completed. Known for giving 100% in every endeavor. Team player, who can work together with others to complete projects and keep the momentum going. Self-disciplined and trusted by others, proven through multiple group projects. Adaptable, can adapt to changes in schedules or plans by making necessary adjustments and keeping a positive attitude throughout.

### Key Strengths

Landowner Education | Natural Resources | Energy Conservation & Renewable Resources  
Natural Resource Marketing Brochures & Surveys | Fieldwork | Biology of Plants  
Land Management | Water Quality Studies | Land Use Planning  
Use of Geographic Information Systems (GIS) | Organic Gardening

### Education

**Bachelor of Science – Environment & Natural Resources**, May 2012

UNIVERSITY OF MINNESOTA, St. Paul, MN

- ◆ GPA: 3.98 – Highest Honors | GPA in Major: 4.0
- ◆ Certificate – Wetland Restoration, in progress
- ◆ **European Environmental Studies, Winter 2009** – traveled to Austria, Germany, and Norway to conduct field studies in forestry, waters, wildlife, and soils. Final Grade: A
- ◆ **Central Minnesota Environmental Station Summer Camp, Spring 2009** – Assigned fieldwork in forestry, waters, wildlife, and soils. Identified and conducted tree measurements, point and plot measurement, and designed septic and drain field system. Conducted plant identification exercise: successfully identifying 113 common Minnesota plants, such as Kentucky blue grass, garlic mustard, and purple loosestrife.
- ◆ **Biodiversity & Tropical Field Biology in Brazil, Summer 2010** – Investigate the ecology and conservation of Brazil and its wildlife.

### Course Highlights:

Geographic Information Systems | Botany | Soil Survey Interpretations for Land Use Planning  
Ecological Basis Natural Resource Management | Introduction to Soil and Water Resources  
Agronomy | Introduction to Fisheries, Forestry & Wildlife  
Introduction to Geology | People, Resources, & Biosphere

**Associate Degree – Arts and Science**, December 2008

MINNESOTA STATE COLLEGE – SOUTHEAST TECHNICAL, Red Wing, MN

- ◆ GPA: 3.99 – Dean's List, three semesters | Tutor – Horticulture Lab
- ◆ Organic Agriculture – Learning USDA organic regulations and organic gardening strategies.
- ◆ Geology Natural Disasters – Learned science behind formation of natural disasters and recovery.

### Technology Snapshot

Microsoft Office: Word | Excel | Outlook | PowerPoint | Publisher  
Arc Map GIS | Facebook | Wikipedia | IrfanView

## Academic Showcase

*Recent examples of academic projects, challenges, and team work supporting career goals.*

- ◆ **European Environmental Studies – Austria:** Focused on poor quality of air and water issues and methods of improving air and water quality. Studied Austria's process of rebuilding forests removed in industrialization phase. Visited nature conservation centers and learned methods of controlling meadows using grazing. Examined effective hydroelectric power use at plant located at Kaprun Dams. Conducted plant identification to familiarize team with European vegetation.
- ◆ **European Environmental Studies – Germany:** Focused on natural forest regeneration. Explored Lotharphad area destroyed by windstorms and discovered use of native species caused area forests to regenerate naturally. Analyzed ecological district of Germany in Hagnau, noted use of solar and wind energy and strict environmental regulations. Observed browsing damage to forests caused by wild boars and red deer. Researched hydroelectric power plants and methods used to provide alternative migration routes for salmon (such as fish ladders).
- ◆ **European Environmental Studies – Norway:** Observed geothermal energy, including glaciers and volcanoes. Investigated natural disaster of Beerenberg volcanic eruption that destroyed farmlands and caused melting to glacier, flooding farmlands, cities, and roadway systems.
- ◆ **Central Minnesota Environmental Station Summer Camp – Water Focus:** Conducted lake and stream survey using electro fishing and fishing with nets. Performed chemical experiments assessing pH, alkalinity, and hardness. Analyzed water transparency using secchi disk. Identified fish caught and 100 insect species. Concluded stream served well as a trout habitat when a high number of trout were discovered in the sample selection. Rewarded with an "A."
- ◆ **Central Minnesota Environmental Station Summer Camp – Soils Focus:** Identified soils by "feel" test. Designed septic and drain field system based on proximity to water, type of soil, and distance from residential buildings. Learned how to write soil profile descriptions and mapped the soil types of assigned 40 acres. Determine ground elevation differences using laser level with stadia rod and sensor. Gained experience in soil identification and testing. Rewarded with an "A."
- ◆ **Central Minnesota Environmental Station Summer Camp – Forestry Focus:** Conducted tree measurements using the Biltmore Stick and Hypsometer. Completed point and plot sampling to evaluate stand structure and site index (productivity of a stand). Collected data as a group and presented comprehensive report to professor. Rewarded with an "A."
- ◆ **Central Minnesota Environmental Station Summer Camp – Wildlife Focus:** Studied animal habitats by setting live small mammal traps, drift fences, and pitfall traps in various forest locations. Identified common small mammals in Minnesota such as voles, mice, and chipmunks. Conducted radio-telemetry experiments and located organisms with the UTM coordinate system. Mapped out vegetation cover types of assigned 40 acres by data collection during a walkthrough of the land.

## Internship

AMERICORPS Conservation Corps, Brainerd, MN

Summer 2009

### Internship – Northwest Field Crew Member

- ◆ Designed and presented outreach program to educate 4H members in sustainable horse pasture management. Created brochure on Sustainable Horse Pasture Management and survey for participation in pasture walk distributed to 4H members throughout Crow Wing County.
- ◆ Researched fields and farms to encourage farmers to participate in Conservation Stock Program (CSP), a voluntary program for agricultural producers to help safeguard environmentally-sensitive land. Conducted landowner interviews to explain specific CSP program features and benefits, such as erosion control and wildlife habitat growth.
- ◆ Collected GPS data from farm field to create a topographic map to determine effective methods of water diversion, designed to decrease gully formation in fields.
- ◆ Built two experimental trellises as examples used for Asian bean crops in the community garden.
- ◆ Conducted local area farm soil erosion evaluations, researched T-value (allowable soil erosion) and strategized methods of minimizing erosion, such as windbreaks.
- ◆ Researched soil maps and USDA farm production files to locate suitable environments for grassland management for uncommon grassland birds. Developed list of targeted farmers to contact, and collaborated with another intern to prepare and distribute information and proposals.