

Sabrina Kleinman

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EDUCATION

Northern Arizona University, School of Forestry, Flagstaff, AZ — *Master of Forestry*

August 2007 - December 2009

Professional Paper: Effects of Increased Long-term Nitrogen Deposition in Western Forests

University of California, Riverside - University Extension, Riverside, CA — *Continuing Education in*

Sept 2006-June 2007

Concentrations: Land Use and Environmental Planning

University of Redlands, Redlands, CA — *Bachelor of Science, Biology*

August 1998 - May 2002

Concentrations: Molecular Biology

EXPERIENCE

EnviroPlan Partners, LLC, Lakewood, CO - Partners, Lead Ecologist

Dec 2016 - Present

- Management of Colorado-based environmental consulting projects, with emphasis on natural resource management planning, GIS data analysis, and NEPA project coordination.
- Development and management of business plans, new client development for Denver Metro Area, and small business certifications.
- Management and organization of field surveys for vegetation, riparian conditions, and wildlife habitat needs
- Management of financial records, including preparing expense reports, purchasing, and project invoicing.

Institute for Environmental Solutions – IE Tree Project Associate

July 2017 – Present

- Develops and reviews planting design plans, including selection of native plant species based on site conditions, landowner ordinances and needs, and plant availability.
- Prepares and researches various grant proposal opportunities to provide funding for planting projects based on aligned missions and strategic funding partnerships.
- Develops workshop modules for K-12 students to address ecological concepts that align with curriculum standards and classroom needs.
- Develops organizational plans for managing students, IES volunteers, and project stakeholders, to manage resources and time for planting events.

Fred Phillips Consulting, LLC, Flagstaff, AZ —Restoration Program Manager

July 2012 - Dec 2016

- Developed field protocols and data collection forms for soils, vegetation, and wildlife resource studies, including management of field data collection databases, mobile app data collection, and database analysis.
- Managed GIS data organization and analysis for all projects and manages data sharing and development between landscape designers and architects and planning team members, including vegetation mapping, corridor mapping, soil analysis, and topographic analyses.
- Prepared grant and project bid proposals, including development of cost estimates, design plans, and technical project narratives.
- Conducted resource analyses for environmental compliance documents, providing technical expertise on vegetation, socioeconomics, public health, public land designations and management, soils, water quality, invasive species, and wildlife.
- Prepared regional and nationwide general Section 404 permit applications for wetland enhancement and watershed restoration projects.

- Developed public outreach campaign materials, including print and radio announcements, press releases, informational posters, and brochures for public distribution.

University of Arizona, School of Natural Resources and the Environment, Gila Cooperative Extension
Flagstaff, AZ— *Information Technology Consulting/Managing Editor*

March 2012-December 2012

- Provided technical training to Cooperative Extension Specialist on development of online content creation, management, and connectivity for the eXtension website.
- Wrote and reviewed educational articles on forest ecology, climate science, and land management for private landowners, natural resource managers, and the general public
- Managed online databases for article reviews, photographs, website links, and copyright agreements
- Served as a liaison between the Climate, Forests and Woodlands Leadership Team and eXtension leadership

University of Arizona-School of Natural Resources and the Environment – Coconino County Cooperative Extension Program

Flagstaff, AZ— *Research Specialist*

Jan 2010-Oct 2011

- Technical Coordinator and Manager for the Climate, Forests and Woodlands Community of Practice for the eXtension website to provide training and technical assistance to Cooperative Extension personnel to create online articles and resources on forest management, ecology, and climate change.
- Prepared technical bulletins on recent research findings on climate change, forest stand management, and bark beetles for the general public, natural resource practitioners, and private landowners.
- Managed and supervised a 4-person field crew to assess damage from bark beetles, dwarf mistletoe, and wood borers.
- Prepared 19 articles for the eXtension Learning Network on forest soils, forest ecosystems dynamics, climate change, wildfire, forest stand management, bark beetles, and forest health issues from original and adapted work.
- Analyzed geospatial and survey data for three forest health studies on bark beetles, pinyon-juniper woodlands, and prescribed burning in relation to geography, precipitation, forest stand treatments, and climate using Forest Inventory Analysis data and regional forest health survey data.
- Managed research databases including forest stand measurements, forest health indicators, plant inventory, and geographical data
- Prepared scientific papers and research study reports for the U.S. Forest Service Forest Health Protection Program and the Journal of Forestry.

Rocky Mountain Nature Association, Estes Park, CO— *Justine and Leslie Bailey Research Fellow*

May 2008 - Dec 2008

- Managed research on soil development and increased nitrogen deposition in Rocky Mountain National Park in research sites located in proposed wilderness areas, coordinating project efforts between the National Park Service, the USGS Natural Resource Ecology Laboratory, and the RMNA Volunteer Coordinator.
- Conducted lab analysis of soils to look at changes in soil nutrient composition, soil physical properties, and soil nitrogen content, including analyses for organic and total carbon and nitrogen, pH, water content, bulk density, and soil texture.
- Developed land management recommendations for region to address potential impacts to soils in high elevation areas impacted by elevated air pollution and nitrogen deposition.
- Prepared two project reports and a scientific paper on novel soil development within Rocky Mountain National Park
- Presented a poster on research results to the Ecological Society of America's Annual Meeting

U.S. Forest Service, Rocky Mountain Research Station, Flagstaff, AZ — *Biological Science Technician*

Jan 2008-Jan 2010

Federal Employee Status GS 7-3, Temporary

- Organized, managed, and analyzed results for an Access database for understory plant diversity surveys using nested frequency vegetation surveys
- Performed physical chemistry analysis of soil, plant, and water samples, including ion chromatography, total combustion analysis of nitrogen and carbon, and Latchet analysis.
- Conducted phospholipid-fatty acid extractions on soil samples for spectrophotometric analysis of microbial community composition in response to forest management treatments.
- Performed initial statistical analysis of soil, plant, and water results to compare impacts of land management practices on nutrient availability and cycling for a variety of USFS research projects.
- Developed and revised laboratory protocols to calibrate and repair laboratory analysis equipment, including troubleshooting equipment malfunctions, failures, and baseline adjustments.
- Conducted equipment maintenance, including minimum detection limits, reporting detection limits, and regular equipment adjustments.

Hart Ecosystem Ecology Laboratory (Northern Arizona University, School of Forestry)

Flagstaff, AZ - Laboratory Technician

August 2007 - Jan 2008

- Performed soil samples analyses for soil microbial DNA, total, organic, and inorganic nitrogen and carbon, Latchat analysis for ammonia, nitrate, and phosphorus, and bulk density measurements.
- Performed maintenance on laboratory equipment, including regular diagnostics and maintenance of analyzers, cleaning of glassware, and organization of reagents.
- Assisted graduate and undergraduate students with laboratory procedures, field work, and statistical analyses.

San Gorgonio Wilderness Association (San Bernardino National Forest)

Mentone, CA— *Volunteer*

June 2005 - July 2007

- Staffed the Mill Creek Visitor Center by selling merchandise, answering questions on permitted activities in the Wilderness Area, and issuing use permits to visitors.
- Trained in wilderness safety and tool management at Annual Wilderness Volunteer Training
- Conducted backcountry visitor patrols to check wilderness permits, assist visitors needing help, and answer questions on the Wilderness Area.
- Organized a campsite restoration project to deter use of informal campgrounds and trails by installing barriers, vegetation, and improved signage.
- Conducted trail maintenance with the volunteer work crew to fix and repair trails and campsites in the Wilderness Area.

PROFESSIONAL AFFILIATIONS

Society of American Foresters

Northern Arizona Chapter (2007-2013)

Mile High Chapter (2016-Present)

Society for Ecological Restoration

Certified Ecological Restoration Practitioner (2017 – 2022)

Southwest Chapter (2013-Present)

Ecological Society of America (2007-2010)

American Planning Association (2016- Present)

Colorado Chapter (2015-Present)