

Name and Contact Information

Career Summary:

- 7 years experience as a Bureau of Reclamation Research Botanist working in vegetation restoration following invasive species control; working in integrated pest management with plant and animal species.
- 2 years experience as Reclamation-wide Science and Technology program coordinator managing day-to-day program operations and ensuring effective communication among the regions, area offices, scientists, Steering Committee, and the program.
- 9 ½ years experience with the National Park Service in a variety of roles including Natural Resource Specialist developing regional programs in vegetation restoration, inventory and monitoring, and GIS. Served as GIS/data manager for the Western Team's mining EISs directing the construction of 10 theme, 6 million acre and 12 million acres GISs; wrote vegetation alternatives of the Wrangell-St. Elias Mining EIS, and became Wrangell mining EIS team captain. Supervised 5-9 staff as Resource Data Management/GIS Division Chief for the Rocky Mountain Region (RMR).
- Personal integration of technical skills and knowledge, people skills, program management-coordination skills, and aesthetic sensibility.

Desired Impact for FLHP:

- Continue and publicize Federal Land Highway Program's success; continue effective teamwork with parks, PMCs, IDIQs and DSC project managers; continue NPS restoration staff development.
- Contribute to preserving and restoring our natural environments.
- Mentor restoration staff in NPS culture and operations, and transfer institutional memory, providing program continuity.

Expertise:

Vegetation restoration and integrated pest management: Currently restoring and monitoring native arid lands grasses and shrubs following saltcedar control at four sites in Colorado, New Mexico, and Arizona; established 20 acres of tall grass prairie on Audubon preserve in Wisconsin; designed and established small short grass prairie residential landscapes in metro Denver area; Xeriscape speaker for Denver Water; raised native forbs; currently provide technical IPM advice to Reclamation regional and area offices; provide IPM lectures for Reclamation and irrigation district staff .

Program development and management: Developed, led and managed the construction of 2 major Geographic Information Systems (GISs) for the Alaska Mining EISs for the Western Planning Team; developed the RMR region's I&M program and initiated the beginning of a Rocky Mountain Region vegetation restoration program; oversaw the Region's resource data management (RDM)/GIS division. Currently write proposals for and manage research projects focusing on vegetation restoration and integrated pest management.

Team performance leadership: Directed a 6-person team building the Alaskan Mining EISs; directed and supervised a 5-9-person RDM/GIS division utilizing self-directed work team principles.

Partnerships: Currently partner with other agencies, universities, private consultants, and non-profit organizations on research projects; Partnered with parks, Washington and regional offices, CSU, The Nature Conservancy on NPS restoration and GIS projects.

Meeting planning and facilitation: Planned and facilitated regional GIS and I&M meetings and Science and Technology Program monthly Group Manager meetings; developed and implemented research projects using these skills.

Verbal and written communication skills: Write memos, trip reports, project reports, occasional professional papers, Interagency Agreements, and MOUs; Make oral presentations, frequently using Power Point, and use Corel Draw to make project presentation posters.

Vegetation monitoring skills: Continue to monitor vegetation to quantify effects of biological control agents on saltcedar and associated understory vegetation and to quantify native seed mix germination and establishment in arid environments. Both my Master's and Doctoral degree research involved monitoring vegetation using various methods.

Information management technology skills Perform data collection, analysis, reporting, and data base design and implementation using Access and Excel.

Education/Training:

- Ph.D. Environmental Monitoring (Plant Ecology/GIS) Program, Institute for Environmental Studies, University of Wisconsin-Madison.
- M.S. Botany and Landscape Architecture, University of Wisconsin-Madison.
- B.S. History and English, University of Wisconsin-Madison.
- Over 232 hours in leadership development and more than 200 hours in scientific skill building.
- 12 performance awards.

Community Involvement:

- Teach Nia (dance-martial arts exercise to music)
- Member of the Boulder Chorale
- Adult participant in the Longmont Community Justice Program (for teens)