

Experience in project management, budgeting, teamwork, & supervision

Scope of experience managing projects, budgets, and personnel:

I have worked on projects in recent years with increasing levels of management, budget, & supervisory duties, most recently planning & implementing a complex multi-year vegetation inventory project. I am comfortable coordinating projects or participating in work led by others.

Specific working experience:

In my work as **ecologist & botanist** with the **US Fish & Wildlife Service** my responsibility has been to develop, plan, and implement a multi-year remote fieldwork-intensive vegetation inventory project Alaska National Wildlife Refuges.

This project has included full implementation from planning to fieldwork to reporting, including:

- Experience in project development & planning of projects using original methodology projects, and volunteers.
- Planning project expenditures within varying annual field budgets to over \$100,000 (in addition to personnel).
- Interviewing, selection, and training of seasonal field crew & participants from other FWS offices.
- Coordination with native corporation (tribal), government, and private land owners and managers to ensure permitted and compliant site access.
- Scheduling & contracting of helicopter & airplane support to reach field camps and field sites.
- Acquisition, setup, training, & maintenance of field equipment and software for fieldwork and post-field data and specimen processing.
- Coordination of project methodologies and data classification to maximize familiarity & compatibility with similar projects.
- Coordination of daily field schedules, field data stewardship, collection and curating, etc.
- Ensuring field safety & communications (including an emergency medical egress of a crew member from a very remote field site in 2014).

With the **Central Alaska I&M Network**, US National Park Service I was **crew leader and vascular plant botanist**, working in Yukon-Charley Rivers National Preserve.

- Fieldwork involved leading a 3-4 person crew in remote backcountry fieldwork, and used skills including project planning and logistics, and work crew planning & supervision.
- I was responsible for daily work planning, fieldwork management, equipment preparation, crew safety, general logistical oversight, and post-season data processing and reporting.

At **Denali National Park** I was the **vegetation ecologist and project lead** in support of an EA process.

- I led the planning and implementation of ecological studies to document the setting and nature of ORV use and impact on the vegetation, soils, and landscapes in Park subsistence use areas.

- I was responsible for methodological development and implementation of this project including development of fieldwork and reporting methodologies, budgeting and purchasing of field equipment and supplies, training and scheduling field crew, permitting; safety; and sanitation procedures, and responding to developing EA project questions and data and documentation needs.
- Additional project work at Denali included planning and executing helicopter and fixed-wing aerial reconnaissance, GPS mapping, and photography missions and arranging related logistical and safety aspects.
- I have sometimes coordinated my fieldwork with related projects. A complex example is a hydrological study with a contracting hydrologist that was planned at the site of one of my ORV impact fieldwork sites immediately following that work. Because of regulatory, funding, and administrative delays that component was in doubt until after I had left for the field. In anticipation of that, I made contingent supply, helicopter transport, backcountry work, and safety arrangements for the hydrologist & his work. It was finalized close to the end of my ORV fieldwork, the hydrologist made it, and we completed the hydrological survey fieldwork.

Experience working safely in complex fieldwork and remote locations with diverse groups:

The ability to work effectively with a variety of others, often on remote and logistically complicated projects, has been important in my work.

- Projects commonly involve precise **coordination with a variety of individuals and groups** – and understanding of their priorities, abilities, and work projects - to successfully complete projects in remote and wilderness settings.
- ‘Borrowing’ of personnel from other projects to assist me in my projects has been a common occurrence, and this involves being able to plan fieldwork and training around several conflicting schedules.
- I am very **safety-oriented** and careful in fieldwork to avoid splitting groups accidentally or losing track of crew members, in coordinating reliable and precise plans for regrouping locations and times when work needs to be done out of sight of other members, and in having established, accepted, and understood procedures to follow in the event of losing track of crew in the field so that there will be no question of how, where, or when to regroup.
- As crew and project leader I have had to develop **project training and reference** documents that is understood similarly by all (including future reference) so that fieldwork will be performed without difficulty and at similar quality between individuals, crews, years, and even projects, and that data are sound, comparable, and documented.
- I have worked in several foreign countries and languages to organize and conduct fieldwork.
- As a university **teacher and assistant** during my years of graduate studies, I communicated with a very wide variety of students and with varying abilities, needs, and tempos. I have been the primary instructor in lab and lecture sections of environmental studies, general geography and meteorology courses, including classroom hours in addition to meeting with students at other times for class assistance, etc.