

**Project Title:** Biostatistics Support for NPS Fire Ecology Program

**Discipline:** Natural

**Type of Project:** Technical Assistance

**Funding Agency:** National Park Service

**Other Partners/Cooperators:** University of Wyoming

**Student Participation:**

**Effective Dates:** July 1, 2019 – June 30, 2024

**Funding Amount:** \$10,012

**Investigators and Agency Representative:**

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**Project Abstract:**

**Project Goals** – The overall goal is to provide statistical consultation to support National Park Service fire ecology staff that serve over 100 parks. Statistical support for the fire ecology program allows park staff to apply the appropriate scientific analyses to fire effects monitoring data and results, thereby assisting managers in decision-making and increasing public understanding of the effects of management decisions on changing environmental and resource conditions.

**Project Objectives** – Objectives of the statistical support include review of study designs, consulting on preliminary sampling and sample size determination, consulting at all phases of project planning, analysis of fire effects data, review of manuscripts for statistical methods used and interpretation of data, development of specific tools for analyses of NPS data and a final report on all statistical consulting activities.