

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Fire Severity and Fuels/Vegetation Map Updates in Burned Areas
Discipline: Natural
Type of Project: Research
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: 8/15/2005 - 9/30/2008
Funding Amount: \$70,030.00

Investigators and Agency Representative:

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Project Abstract:

Investigators at Colorado State University will work with fire and vegetation ecology staff at Grand Teton NP to perform tasks associated with fuels mapping and fire severity assessment. Those tasks, with due dates, are listed below.

Outcomes with Completion Dates:

1. CSU will create a spatial model for predicting fuels characteristics over time in burned areas of northwest Wyoming according to burn severity - overall project goal, due 12/2007
2. Acquire and interpret quantitative and qualitative data for use in the Fire Management Analysis phase II process - 12/2007
3. Develop spatially referenced plot data for use in LANDFIRE mapping and PNVG model refinement - 12/2007
4. Define a method for determining fire regime condition class and current vegetation versus desired future conditions on a local, landscape, or regional scale - 5/2007
5. Update fuels and vegetation maps of burned areas projected into the future. These will help develop FARSITE landscapes and indicate locations for planned fuels treatments - 12/2007
6. Develop a case study demonstrating the use of burn severity spatial data in evaluating the effects of fire events on fire regime condition class at the project and landscape level - 5/2007

Keywords: fire severity, vegetation mapping, fuel loading, burned areas, LANDFIRE, spatial model, Grand Teton National Park, Colorado State University

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Date Annual Report Received:
Date Final Report Received:
Publications, etc. on file: