**PROJECT ABSTRACT**

**Colorado Plateau Cooperative Ecosystem Studies Unit**

**(Cooperative Agreement # H1200-004-0002)**

**Park:** Fire Management Program Center

**Project Title:** Strategic Planning for Appropriate Management Response, Phase II -Process DOI Landscape Data for use in Model Development

**Funding Amount:** $199,119

**CPCESU Partner Institution:** Colorado State University

**Principal Investigator*:***

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**Start Date:** August 1, 2008

**End Date:** June 30, 2011

**Continuation of CSUCP-121 and J9560070047**

**Abstract:** Develop a viable approach to strategic implementation of Appropriate Management Response (AMR) for the NPS. The NPS is a leader in developing and implementing the concepts AMR to wildland fire events. This research would establish methods for incorporating AMR into strategic, pre-season planning. Develop an approach to estimate spatially explicit expected benefit and cost profiles of different management responses to fire events on a landscape. The outputs of this system could be used to develop methods for fire planners and managers to better and more confidently manage fire events through an AMR framework. This is partial Year 3 of Task 9560070047. Provide supplemental assistance to the CSU principal investigators to enable the processing of additional spatial data. The proposed datasets will facilitate the inclusion of additional Department of Interior landscapes, and will be used to test concepts and analytic techniques on a variety of land ownerships related to the expression of local fire risk and benefit, and the identification of valuable fuels treatment areas.

**Keywords:** Appropriate Management Response, Wildland Fire Use, Social and Economic Issues, Strategic Planning, Wildland Fire Policy, Suppression, Fuels Management, Prescribed Burns, Risks / Hazards, Protocols / Reference Materials