**NPS**

**PROJECT SUMMARY**

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| **Cooperative Ecosystem Studies Unit**  **Cooperative Agreement Modification** | | | | | |
| FUNDING AGENCY: National Park Service | | | | | |
| MODIFICATION NO.: **[ insert # ]** | | COOPERATIVE AGREEMENT NO.:**1200-99-009** | | FUNDING AMOUNT: $ **9,859** | |
| INVESTIGATORS Contact Information: **[please list all CO-Pis contact information]**  **David G. Anderson (970) 491-5857** | | | | | |
| PROJECT TITLE:**[ insert title ]**  **Population Status Survey for Schmoll Milkvetch** | | | | | |
| EFFECTIVE DATES**:[start/end date]**  5/14/01 through 12/31/01 | | | | | |
| PROJECT ABSTRACT:**[� insert short description of project ]**  **Schmoll Milkvetch is potential species for federal listing due to its limited distribution, potential threats from catastrophic fire and other disturbances, and possible dependence on a particular disturbance regime for reproductive success.� Park resource managers are initiating this population survey to provide baseline data on the status of this species.� Possible threats to this endemic species are the reasons for the urgency of this request.� Locate all Schmoll Milkvetch plants growing on Chapin Mesa within Mesa Verde National Park and the Ute Mountain Ute Tribal Park.**  **The objectives for the project are as follows:**  **a)**       **Search for Schmoll Milkvetch plants growing beyond Chapin Mesa**  **b)**       **Accurately map the locations of Schmoll Milkvetch as they are found**  **c)**       **Describe the growth patterns of Schmoll Milkvetch growing within the clusters**  **d)**       **Measure certain environmental conditions that could be used as indicators of suitable habitat or limiting factors for Schmoll Milkvetch**  **e)**       **Record other relevant, ecological observations within the study area.**  **The deliverables will include a brief report summarizing the findings from the project, all GPS occurrence data gathered during 2001, photos, and field notes on the ecology and other general observations.** | | | | | |
| **Agency Representative:**  Ron Hiebert, NPS Research Coordinator  CPCESU  Northern Arizona University  P.O. Box 5765  Flagstaff, AZ� 86011-5765  Tel: (928) 523-0877  Fax: (928) 520-8223  Ron.Hiebert@nau.edu | **Agency Administration Representative**  Lynell Wright  Budget Assistant  Intermountain Support Office  Denver, CO� 80225-0287  Tel: (303) 969-2654  Lynell\_Wright@nps.gov | | **Investigator:**  David G. Anderson  Colorado Natural Heritage Program  Colorado State University  Fort Collins, CO 80523  (970) 491-5857 | | **Partner Admin. Contact:**  Carmen Morales  Sponsored Programs  Colorado State University  Fort Collins, CO 80523  (970) 491-6684  cmorales@research.colostate.edu |
| ***List of Key Words: [Insert key words]***  ***Astraglus schmolliae, Colorado Natural Heritage Program, Mapping, GPS, GIS*** | | | | | |
| ***Agency Manager contact information @ Specific Park****:*  *Mesa Verde National Park and Ute Mountain Ute Tribal Park* | | | | | |
| *Annual Report Received:*  *Final Report Received:*  *Publications on File:* | | | | | |
| *This Modification is subject to all the provisions included in the Cooperative Agreement,****dated 6/22/99.*** | | | | | |
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*Attach any supporting material as necessary.*