**NPS**

**PROJECT SUMMARY**

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| **Cooperative Ecosystem Studies Unit****Cooperative Agreement Modification**  |
| FUNDING AGENCY: **National Park Service**  |
| MODIFICATION NO.: **[CESU info only]**  | COOPERATIVE AGREEMENT NO.:**1200-99-009** |  FUNDING AMOUNT: $35,939.00 |
| INVESTIGATORS Contact Information: Dr. Chris Downum, NAU, Director, Anthropology Labs. |
| PROJECT TITLE: Mapping and Ruins Preservation at Antelope Ruins-Black Rock area of Canyon de Chelly National Monument  |
| EFFECTIVE DATES **: September 2, 2003 through April 30, 2005** |
| PROJECT ABSTRACT: Northern Arizona University (NAU) proposes to conduct topographic and planimetric mapping of cultural sites and features in the Antelope Ruins/Black Rock area of Canyon de Chelly National Monument (hereafter referred to as CDC). The proposed project will produce spatial information and images for future National Park Service management, monitoring, consultation, and research. The mapping will be achieved by creating accurate, high resolution contour maps of natural and cultural features through photogrammetry, and by using terrestrial instrument mapping to capture details of individual cultural features that exist below the threshold of visibility for photogrammetry. This proposal serves to establish specific responsibilities pursuant to Cooperative Agreement No. CA 1200-00-009.  |
| **Agency Representative:**Ron Hiebert, NPSResearch CoordinatorCPCESUNorthern Arizona UniversityP.O. Box 5765Flagstaff, AZ 86011-5765Tel: (928) 523-0877Fax: (928) 520-8223Ron.Hiebert@nau.edu  | **Agency Administration Representative**Lynell WrightBudget AssistantIntermountain Support OfficeDenver, CO 80225-0287Tel: (303) 969-2654Lynell\_Wright@nps.gov | **Investigator:**Chris Downum, DirectorAnthropology LaboratoriesNorthern Arizona UniversityBox 15200Flagstaff, AZ 86011-5200Tel: (928) 523-6275Fax: (928) 523-9135Chris.Downum @nau.edu | **Partner Admin. Contact:**Joanne StucjusGrant & Contract Admin.Northern Arizona UniversityBox 4130Flagstaff, AZ 86011-4130Tel: (928) 523-9331Fax: (928) 523-1075Joanne.Stucjus@nau.edu  |
| ***List of Key Words: [Insert key words]******Cultural Resources, Surveys, Native American, Management***  |
| ***Agency Manager/Technical Representative from National Park*** Scott Travis, SuperintendentCanyon de Chelly National MonumentPO Box 588Chinle, AZ 86503928-674-5500, Ext. 224Scott\_Travis@nps.gov  |
| *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.*