**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: $ **9,890** | |
| INVESTIGATORS Contact Information: **[please list all CO-Pis contact information]**  **Lee MacDonald� (970) 491-6109**  **Scott Woods** | | | | | |
| PROJECT TITLE:**[ insert title ]**  **Hydrology Survey at Bent�s Old Fort, Colorado** | | | | | |
| EFFECTIVE DATES**:[start/end date]**  3/01/01 through 3/01/02 | | | | | |
| PROJECT ABSTRACT:**[� insert short description of project ]**  **The purpose of the proposed project is to investigate the hydrologic issues related to the preservation and conservation of the historic and natural features of Bent�s Old Fort National Historic Site.� The first task will be to make a site visit and work with the local NPS staff to: 1) identify the issues of concern; and 2) determine the priorities for investigation. �This site visit will be made in late March or April prior to peak flows on the Arkansas River.� During or immediately after this site visit we will use a hand auger to install the wells and piezometers needed to characterize the shallow groundwater that may be threatening the integrity of historic structures.� Depending on the other resource management issues, the monitoring network could also include the nearby ponds and extend to the edge of the Arkansas River.� To the extent that data loggers and pressure transducers are available from the Water Resources Division of the National Park Service, water levels at key sites will be recorded automatically.� At other sites we will install staff gages and train the local NPS staff to monitor water levels on approximately a weekly basis.� By monitoring from April to mid-summer 2001, we hope to capture most of the annual range of water levels and groundwater gradients.** | | | | | |
| **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:**  Lee MacDonald  Dept. of Earth Resources  Colorado State University  Fort Collins, CO 80523  (970) 491-6109  leemac@cnr.colostate.edu | | **Partner Admin. Contact:**  Carmen Morales  Sr. Research Admin.  Sponsored Programs  CSU  Fort Collins, CO 80523  (970) 491-6684  cmorales@research.colostate.edu |
| ***List of Key Words: [Insert key words]*** | | | | | |
| ***Agency Manager contact information @ Specific Park****:*  *Bent�s Old Fort National Historic Site* | | | | | |
| *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.*