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**PROJECT SUMMARY**

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| **Cooperative Ecosystem Studies Unit**  **Cooperative Agreement Modification** | | | | | | |
| FUNDING AGENCY: **National Park Service** | | | | | | |
| MODIFICATION NO.: **04-02 mod 2** | | CESU COOPERATIVE �AGREEMENT NO.: H2380040002  Task Order 04-02 Modification 2 | | | FUNDING AMOUNT: $ **25,000** | |
| INVESTIGATORS� Contact Information:  Dr. Jim Loftis, Department of Civil Engineering, Colorado State University, Fort Collins, CO� 80523  970-491-2667�� [loftis@engr.colostate.edu](mailto:loftis@engr.colostate.edu) | | | | | | |
| PROJECT TITLE:**Continuation of �Inventorying and Monitoring Natural Resources Status and Trends in the National Park System� Modification 2** | | | | | | |
| EFFECTIVE DATES**: 07/01/04 through 09/30/05** | | | | | | |
| PROJECT ABSTRACT: The goal of this project is to design, develop, implement, and manage integrated resource databases to assist Parks, Offices, Programs, and others (including non-NPS agencies and organizations) with the use of inventory and monitoring data to better manage park resources.� This project will help the NPS Inventory and Monitoring (I&M) Program achieve five long-term goals which define the scope of CESU tasks.� In particular, this second modification will address these aspects of the original scope of work:  �        **NPS NR/GIS Metadata Database** � R&D a web-based metadata information system.� The system must comply with U.S. Government standards and existing projects including the FGDC Content Standard for Geospatial Metadata and related Biological Profile and the I&M Dataset Catalog.  and the  �        **Natural Resource Data Store**� R&D and implement web-based data store and search application.� R&D data products, formats, file compression, organization, user needs assessments for effective data site administration.� Process data files and populate data site.� Integrate with NPS NR/GIS Metadata application and database.  This second modification will include assistance with (from the original scope of work):  �        **Training** - R&D and provide technical support for data management, GIS, and metadata training modules and courses that transfer scientific knowledge and technical expertise to NPS users working with I&M data, information systems and significant projects listed above. | | | | | | |
| **Agency Representative**:*� Ron Hiebert*  *NPS Research Coordinator, CPCESU*  *Northern Arizona University*  *P.O. Box 5765,*  *Flagstaff, AZ 86011-5765;*  *Tel: (920)523-0877; Fax (928)520-8223;�*[*Ron.Hiebert@nau.edu*](mailto:Ron.Hiebert@nau.edu) | **Agency Contracting Representative:�**  *Shirley Norton*  *Contracting Officer, Administrative Program Center*  *P.O. Box 25287*  *Denver, CO 80225;*  *Tel: (303)969-2748; Fax (303)969-2795;�*[*Shirley\_Norton@nps.gov*](mailto:Shirley_Norton@nps.gov) | | **Agency Administrative Representative:�**  *Debi Cox*  *Program Analyst, Water Resources Division*  *1201 Oakridge Dr. Suite 250*  *Fort Collins, CO� 80525;*  *Tel: (970)225-3510; Fax (970)225-9965;*[*Debi\_Cox@nps.gov*](mailto:Debi_Cox@nps.gov) | **Investigator:**  Dr. Jim Loftis, Principal Investigator, Dept. of Civil Engineering  Colorado State University  Fort Collins, CO� 80523;�  Tel: (970) 491-2667; loftis@engr.colostate.edu | | **Partner Administrative Contact:�**  **Ms. Mary Atella**  **CSU**Sponsored Programs  Colorado State University  Fort Collins, CO� 80523;  Tel: (970) 491-2083; Mary.Atella@colostate.edu |
| ***List of Key Words: :****NPS, natural resource management, inventory, monitoring, information system, database, GIS, metadata, research, development, training, geospatial data, species, climate, bibliography, boundary, I&M Network* | | | | | | |
| ***Agency Manager/Technical Representative/Key Official from National Park - Insert contact information @ specific Park or NPS Office****:*  �        Dr. Gary Williams�������������������������� Gary\_Williams@nps.gov������������������������ Tel: 970-225-3539������������������ National Park Service  �        Dr. Steven Fancy��������������������������� Steven\_Fancy@nps.gov������������������������ Tel: 970-225-3571������������������ Inventory and Monitoring Program  �        Mr. Joe Gregson���������������������������� Joe\_Gregson@nps.gov�������������������������� Tel: 970-225-3559������������������ 1201 Oakridge Drive, Suite 200  �        Mr. Mark Wotawa�������������������������� Mark\_Wotawa@nps.gov������������������������ Tel: 970-225-3567������������������ Fort Collins, CO� 80525  �        Ms. Wendy Schumacher���������������� Wendy\_Schumacher@nps.gov Tel: 970-225-3548  �        Mr. Bruce Heise���������������������������� [Bruce\_Heise@nps.gov](mailto:Bruce_Heise@nps.gov)��������������������������� Tel: 303-969-2017������������������ Fax: 970-225-3585 | | | | | | |
| *Annual Report Received:*  *Final Report Received:*  *Publications on File:* | | | | | | |
| *This Modification is subject to all the provisions included in the Cooperative Agreement,****dated 6/18/2004.*** | | | | | | |
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*Attach any supporting material as necessary.*