

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Southeast Coast Network Database Program

Discipline: Natural

Type of Project: Technical Assistance

Funding Agency: National Park Service

Other Partners/Cooperators: Colorado State University

Effective Dates: 7/1/2006 - 12/31/2011

Funding Amount: \$471,510

Investigators and Agency Representative:

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Project Abstract:

This project will provide research support for the NPS Inventory and Monitoring Program, Southeast Coast Network (SECN) in the development and implementation of relational databases. Database development will occur in MS access and/or SQL server, following the general design guidelines developed by the National Park Service Inventory and Monitoring program and working within the Network's conceptual object model framework. Database development includes:

- Designing tables, queries, forms and reports in MS Access and/or SQL Server
- Developing custom queries and applications using Visual Basic/VBA and/or SQL to assist in data querying, analysis and dissemination
- Developing "front-end" applications to facilitate the rapid entry and quality assurance / quality control of monitoring data and to facilitate data querying and reporting for different end-user groups

Ensuring the security of all databases and assisting in the development of quality assurance and quality control procedures will be a significant part of this work but will require substantial input and interaction with NPS personnel. Database security and quality assurance procedures will follow Southeast Coast Network and National Park Service guidance and policies.

Christina Wright, NPS Science Information Specialist, will be leading research and development efforts and will provide training and guidance to a CSU research associate, under the supervision of Dr. Jim Loftis. The NPS will provide office space and other material support for the research associate, and will provide the needed data and equipment to allow the research associate to develop the databases, applications and technology to fully integrate results and products into the Southeast Coast Network data management program. NPS staff and Colorado State University researchers will jointly develop these research and technical products. The NPS will periodically review the products and progress of the research associate on the project(s). A second Research Associate was added in FY07 to carry out work on photo interpretation and remote sensing for the Network.

Outcomes with Completion Dates:

Products include: Databases, application extension(s), computer program code, and detailed technical documentation. Development of training material and technical support for databases.

End Date of Project/Final Report Due - 12/31/2011

Keywords: database design, photo interpretation, Southeast Coast Inventory and Monitoring network, Colorado State University

For Administrative Use Only:

Date Annual Report Received:

Date Final Report Received:
Publications, etc. on file: