

STATEMENT OF WORK

Principal Investigator: James P. Gibbs

The purpose of this modification under the Great Lakes-Northern Forest Cooperative Ecosystem Studies Unit is to establish a working relationship between the State University of New York, College of Environmental Science and Forestry and the Northeast Temperate Network (NETN) to identify, organize, synthesize, and summarize existing monitoring programs and pertinent research occurring adjacent to or within the 11 Network Parks. This project is regional in scope, will be conducted on multiple park units, and will advance the Network in developing a Vital Signs monitoring program for parks within the Network.

The Northeast Temperate Inventory and Monitoring Network includes:

- Acadia National Park (ACAD)
- Appalachian National Scenic Trail (APPA)
- Boston Harbor Islands National Park Area (BOHA)
- Marsh-Billings-Rockefeller National Historical Park (MABI)
- Minute Man National Historical Park (MIMA)
- Morristown National Historical Park (MORR)
- Roosevelt-Vanderbilt National Historical Sites (ROVA)
- Saint-Gaudens National Historic Site (SAGA)
- Saratoga National Historical Park (SARA)
- Saugus Iron Works National Historic Site (SAIR)
- Weir Farm National Historic Site (WEFA)

A. Project Scope of Work

The purpose of this proposal is to provide data exploration support as a necessary step in the development and implementation of a long-term monitoring program for the 11 parks in the NETN. Activities shall include technical and strategic support for the Network gathering existing monitoring program information, summarizing monitoring protocols, and identifying locations of ongoing monitoring sampling stations relative to the NPS units in the Network.

Information gathered under this scope of work will be entered into an MSAccess database developed by the NETN data manager. A final report will also be provided to the NETN I&M staff summarizing existing monitoring programs in the Northeast and identifying ways the NETN can collaborate with ongoing monitoring programs around Network Parks.

This project will be accomplished through literature review, web-based queries, contacts with NPS resource managers, and interviews/solicitations with regional professionals involved in monitoring natural resources.

Task 1: Review and synthesize existing monitoring programs adjacent to and/or with similar ecosystem attributes as the 11 parks in the NETN.

Summarizing exiting monitoring programs is a primary component in the development of the Vital Signs Monitoring program for the NETN. This information will increase our understanding of the existing information around NPS units and identify potential partnerships that may assist in the implementation of the NETN Vital Signs monitoring. By synthesizing, reviewing, and summarizing the existing monitoring programs around NETN parks we will avoid redundancy in program development. The information gleaned from this project will provide a foundation for future scoping workshops, protocol development, and integration of NPS monitoring with other ongoing programs.

Task 2: Entry of existing monitoring program summaries into the NETN monitoring program database.

The NETN has developed a database to maintain and track all documents residing in NETN. As part of this project, the cooperator shall enter all pertinent information about the existing monitoring programs into the NETN Document Collection Database. The Document Collection Database is a catalog of all existing files within the NETN used to track, query, and automatically link the user to those files.

The Cooperator agrees to perform the following:

- Gather existing monitoring program information pertinent to natural resource issues of the 11 park units in the NETN.
- Summarize the protocols used in each of the identified monitoring programs.
- Identify the objectives, duration, and indicators used in each of the identified monitoring programs.
- Submit a final report that identifies and summarizes ongoing monitoring programs adjacent to, or with similar ecosystem attributes as, Network Parks.
- Enter the information obtained from these summaries into the NETN Document Collection Database.

The Northeast Temperate Network agrees to perform the following:

- Develop and provide the Cooperator with a MS Access database template for data entry, organization, and queries, and will be integrated with Servicewide databases (i.e. NatureBib, Dataset Catalog).
- Provide the Cooperator with existing bibliographic information for each park.
- Provide the Cooperator with Geographic Information System support for spatially referenced monitoring programs.
- Review and provide comments on drafts of the final report prior to final acceptance.

Project Timeframe

The proposed scope of work shall be completed in a 6-month period with a final report submitted to the NETN staff on or before 1 September 2003.

Deliverables

- A. The cooperator agrees to provide a final report that;
1. identifies and summarizes the existing natural resource monitoring programs adjacent to, or with similar ecosystem attributes as the 11 park units in the NETN
 2. identifies the objectives and the indicators used of each monitoring program
 3. identifies the proximity of the sampling stations of each monitoring programs in relation to the NPS units within the NETN
 4. identifies potential partnerships the NETN can build with ongoing monitoring programs adjacent to NPS units within the NETN
 5. is summarized and entered into the NETN Document Collection Database

B. Budget

<u>Category</u>	<u>Amount</u>
Personnel (including travel, phone, misc.):	
K. Kristian Whiteleather (Research Associate)	\$16,000.00
Total Personnel	\$16,000.00
15 % overhead SUNY-ESF	\$3,400.00
Total	\$19,400.00

Great Plains Cooperative Ecosystem Studies Unit Cooperative Agreement Modification

FUNDING AGENCY: National Park Service

PURCHASE REQUEST NO.: R_
(to be administered by CESU coordinator)

COOPERATIVE AGREEMENT NO.:
CA6000A0100

FUNDING AMOUNT: \$19,400.00

MODIFICATION NO.: J

INVESTIGATORS: James Gibbs, Kris Whiteleather

Funding Authorization No:
PROJECT TITLE: A summary of existing monitoring programs relevant to parks with the Northeast Temperate Network

EFFECTIVE DATES: 1 April 2003 – 1 October 2003

PROJECT ABSTRACT:

The purpose of this project is to provide data mining support as a necessary step in the development and implementation of a long-term monitoring program for the 11 parks in the Northeast Temperate Network. Activities shall include technical and strategic support for the Network gathering existing monitoring program information, summarizing monitoring protocols, and identifying locations of ongoing monitoring sampling stations relative to the NPS units in the Network.

Information gathered under this scope of work will be entered into an MSAccess database developed by the NETN data manager. A final report will also be provided to the NETN I&M staff summarizing existing monitoring programs in the Northeast and identifying ways the NETN can collaborate with ongoing monitoring programs around Network Parks.

This project will be accomplished through literature review, web-based queries, contacts with NPS resource managers, and interviews/solicitations with regional professionals involved in monitoring natural resources.

Agency Representative:
Gary Willson
Acting Research Coordinator
GLNF CESU
Univ. Nebraska
314 Biochem Hall
Lincoln, NE
Tel: (402) 472-5047 – Lincoln
Fax: (402) 472-8390 – Omaha
Gary_Willson@nps.gov

Agency Administration Representative
Theora McVay
Contracting officer
Midwest Region
1709 Jackson
Omaha, NE 68102-2571
Tel: (402) 221-3487
Theora_McVay@nps.gov

Investigator:
James Gibbs
Associate Professor
State university of New York
College of Environmental
Science and Forestry
1 Forestry drive
Syracuse, NY 13210
315-470-6764
315-470-6934 (fax)
jpgibbs@mailbox.syr.edu

Partner Admin. Contact:
Sue Benoit
Assistant for Sponsored
Programs
State university of New York
College of Environmental
Science and Forestry
1 Forestry drive
Syracuse, NY 13210
315-470-6606
315-470-6779 (fax)
sebenoit@esf.edu

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Date: _____

List of Key Words:

Northeast Temperate Network, Vital Signs Monitoring, data mining, database

Agency Manager @ Specific Park: Greg Shriver, Northeast Temperate Network Coordinator, Marsh-Billings-Rockefeller NHP, 54 Elm Street, Woodstock, VT 05091. 802-457-3368 x37 greg_shriver@nps.gov

05/15/03

NPS – Project Summary

2

Annual Report Received: _____ **Final Report Received:** _____

Publications on File: _____

(This Modification is subject to all the provisions included in the Cooperative Agreement, dated 9/20/00).

Attach supporting material as necessary.