

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Vascular Plant Species List Project: COLM Herbarium Review and Species List for Colorado National Monument (COLM)

Discipline: Natural

Type of Project: Technical Assistance

Funding Agency: National Park Service

Other Partners/Cooperators: University of Colorado at Boulder

Effective Dates: 9/15/2005 - 12/30/2006

Funding Amount: \$7,050.00

Investigators and Agency Representative:

NPS Contact: Thom Odell, NCPN I&M Program Manager, National Park Service, 2282 S. West Resource Blvd., Moab, UT 84532; Ph. 435.719-2358; Fax: 435.719-2300, Thom_Odell@nps.gov

Investigator: Tim Hogan, Assistant Curator, University of Colorado at Boulder, Herbarium 350UCB, Boulder, CO 80309, Ph: 303-492-3216, tim.hogan@colorado.edu

Project Abstract:

In 2002, the Northern Colorado Plateau Inventory and Monitoring Network (NCPN) began to develop verifiable vascular plant species lists for each of 16 network parks largely through review of park-based herbaria and to a limited degree on-site field work. The goal of this original work was to review and correct herbarium label information, verify/determine identifications and update this information for NPS managed databases. Through this process NPS has been able to document species presence in specific parks with these verified vouchers.

Work associated with this task agreement will help fill the remaining gaps in the overall NCPN Vascular Plant NPSpecies and Checklist Project. Under this agreement cooperators from the University of Colorado at Boulder (CU) will conduct a review and annotation of Colorado National Monument (COLM) herbarium specimens and cooperate with NCPN on compilation of a park vascular plant species list, database and report. In addition, building upon a previous agreement with CU, the cooperators will provide a written summary describing the chronology/history of plant collecting in Black Canyon of the Gunnison NP and Curecanti NRA.

These tasks will contribute greatly to completing the initial round of vascular plant species list development for NCPN parks. The overall goals of this project are to:

- 1) Review and annotate herbarium specimens for COLM.
- 2) Assist with compilation of NPSpecies database for COLM vascular plant species.
- 3) Prepare a technical report (per NCPN requirements) documenting project results.
- 4) Develop narrative describing floristic study/plant collection history for BLCA and CURE.

Outcomes with Completion Dates:

Task 1. Narrative summary of the history of plant collection at BLCA and CURE.

Task 2. Completed herbarium review with delivery of updated electronic spreadsheets with specimen label information for COLM vascular plants.

Task 3. Completed NPSpecies databases for COLM, complying with direction in the NCPN Vascular Plant NPSpecies Guide.

Task 4. A project report documenting project goals, methods and pertinent results.

(Includes narrative summary of the history of plant collection at COLM). Due 12/30/2006.

Keywords: vascular plant species, herbarium, NPSpecies database, Colorado National Monument, Northern Colorado Plateau Network, University of Colorado at Boulder

For Administrative Use Only:

Date Annual Report Received:

Date Final Report Received:

Publications, etc. on file: