**NPS**

**Project Summary**

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| **Cooperative Ecosystem Studies Unit****Cooperative Agreement Modification** |
| **FUNDING AGENCY:**National Park Service |
| **MODIFICATION NO.:** | **COOPERATIVE AGREEMENT NO.:**CA 1200-99-009 | **FUNDING AMOUNT**: 17,900 |
| **INVESTIGATORS:** Rod Parnell, Director CPCESUMatthew Johnson, Wildlife BiologistRon Hiebert, NPS Agency Representative |
| **PROJECT TITLE**:Avian Species Inventory and Monitoring in Riparian Areas of the Green and Colorado Rivers of Canyonlands National Park |
| **EFFECTIVE DATES:**9/01-00 through 12/01/01 |
| **PROJECT ABSTRACT:**The establishment of permanent bird survey transects are proposed in the riparian areas of the Colorado and Green Rivers in Canyonlands National Park. No systematic bird surveys have ever been performed in this unique riparian corridor. Objectives of this study will be to: (1) Determine what bird species utilize the riparian corridor of the Green and Colorado Rivers at Canyonlands NP; record and calculate species abundance, species richness, and frequency of occurrence for selected permanent sites. (2)Determine what bird species are breeding in the riparian corridor of the Green and Colorado Rivers at Canyonlands National Park. (3) Provide recommendation for development of an avian long-term monitoring program for the riparian corridor of the Green and Colorado Rivers at Canyonlands National Park.**Scoper of Work:**1. The proposed work and what is being modified in the Cooperative Agreement: The primary purposes of this study is to address the problem of a lack of baseline information on the population status and distribution of the avian component in Canyonlands National Park.
2. The project contribution to the objectives of the CESU: This project adds to the on going inventory of the avian component throughout the Colorado Plateau.
3. The methodology of the project: Birds will be censused during the breeding seasonusing the fixed-radius point count method as described by Ralph et al. 1995.
4. The substantial involvement of each party: Matthew Johnson and Dr. Roderic Parnell will oversee the projects progress and involved in collecting and analyzing data along with organizing and writing the annual and final reports.
5. The project schedule: Bird surveys will be conducted from 15 May- 1 July 2000 and 2001. Vegetation sampling will be conducted throughout July during each year.
6. The specific deliverables: Annual report due out 31 December 2000, final report 31 December 2001. Final report will include management recommendations for the avian fauna along the Colorado and Green Rivers in Canyonlands National Park.
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| **Agency Manager at Specific Park:****Canyonlands National Park** |
|   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**. |

[Back to Project Summaries](file:///Z%3A%5CNTProfile%5CPersonal%5CProjsummaries.html)