# NPS

**PROJECT SUMMARY**

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| **Cooperative Ecosystem Studies Unit**  **Cooperative Agreement Modification** | | | | | |
| FUNDING AGENCY: **National Park Service, Grand Canyon – Parashant National Monument** | | | | | |
| MODIFICATION NO.: **[CESU info only]** | | COOPERATIVE AGREEMENT NO.: H1200-04-0002 | | FUNDING AMOUNT: $10,000 | |
| INVESTIGATORS Contact Information: **Dr. Thomas H. Nash III (480) 965-7735** | | | | | |
| PROJECT TITLE: **Investigations of the Biological Soil Crusts and Associated Fungi at Grand Canyon-Parashant National Monument.** | | | | | |
| EFFECTIVE DATES**: 15 May, 2006 to 31 May, 2008** | | | | | |
| PROJECT ABSTRACT: **In collaboration with Kari Yanskey, Grand Canyon – Parashant National Monument will be surveyed for lichens, with an emphasis on biological soil crusts and associated fungi. Dr. Nash (ASU) will supervise students in the collection and identification of the lichens and in a separate task agreement, Dr. Stark (UNLV) will supervise students in the collection and identification of the bryophytes. Collections will be deposited in the herbaria at ASU and a duplicate set will be provided Grand Canyon – Parashant National Monument as requested. This project complements a BLM grant to collect and identify lichens, biological soil crusts and associated fungi on BLM lands outside the Monument** | | | | | |
| **Agency Representative:**  Ron Hiebert, NPS Research Coordinator  CPCESU  Northern Arizona University  P.O. Box 5765  Flagstaff, AZ 86011-5765  Tel: (928) 523-0877  Fax: (928) 520-8223  [Ron.Hiebert@nau.edu](mailto:Ron.Hiebert@nau.edu)  Nancy Skinner, National Park Service c/o Center for Sustainable Environments Northern Arizona University PO Box 5765 Flagstaff, AZ 86011-5765 (928) 523-7451 Phone (928) 523-8223 Fax [Nancy\_Skinner@nps.gov](mailto:Nancy_Skinner@nps.gov ) | Agency Administration Representative Lynell Wright  Budget Analyst  Intermountain Region – Budget & Finance  P.O. Box 25287  12795 W. Alameda Parkway  Denver, CO 80225-0287  Tel: (303) 969-2654  Fax: (303) 969-2794  [Lynell\_Wright@nps.gov](mailto:Lynell_Wright@nps.gov) | | **Investigator:**  Dr. Thomas H. Nash III  Dept. of Plant Biology  Arizona State University  Box 874501  Tempe, AZ 85287-4501  Tel: (480) 965-7735  Tom.nash@asu.edu | | **Partner Admin. Contact: NAU Contact-[please insert your local institution contact]:**  Kristen Wolff  Office for Research &  Sponsored Projects Administration  Arizona State University  PO Box 873503  Life Sciences, C-264  Tempe, AZ 85287-3503  Phone: (480) 965-0729  Fax: (480) 965-0669  E-mail: Kristen.Wolff@asu.edu |
| **List of Key Words: lichens, fungi, biological soil crusts, Grand Canyon – Parashant National Monument** | | | | | |
| **Agency Manager/Technical Representative from National Park - Include contact information @ Specific Park**:  Kari Yanskey, Botanist  Grand Canyon – Parashant National Monument  345 E. Riverside Dr  St. George, UT 84790  [Kari\_Yanskey@nps.gov](mailto:Kari_Yanskey@nps.gov) or Kari\_Yanskey@blm.gov  (435) 688-3298 fax (435) 688-3388 | | | | | |
| *Annual Report Received:*  *Final Report Received:*  *Publications on File:* | | | | | |
| *This Modification is subject to all the provisions included in the Cooperative Agreement,* ***dated 6/18/04.*** | | | | | |

*Attach any supporting material as necessary.*