# 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, NPSResearch CoordinatorCPCESUNorthern Arizona UniversityP.O. Box 5765Flagstaff, AZ 86011-5765Tel: (928) 523-0877Fax: (928) 520-8223Ron.Hiebert@nau.eduNancy Skinner, National Park Servicec/o Center for Sustainable EnvironmentsNorthern Arizona UniversityPO Box 5765Flagstaff, AZ 86011-5765(928) 523-7451 Phone(928) 523-8223 FaxNancy\_Skinner@nps.gov  | Agency Administration RepresentativeLynell WrightBudget AnalystIntermountain Region – Budget & FinanceP.O. Box 2528712795 W. Alameda ParkwayDenver, CO 80225-0287Tel: (303) 969-2654Fax: (303) 969-2794Lynell\_Wright@nps.gov | **Investigator:**Dr. Thomas H. Nash IIIDept. of Plant BiologyArizona State UniversityBox 874501Tempe, AZ 85287-4501Tel: (480) 965-7735Tom.nash@asu.edu | **Partner Admin. Contact: NAU Contact-[please insert your local institution contact]:**Kristen WolffOffice 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, BotanistGrand Canyon – Parashant National Monument345 E. Riverside DrSt. George, UT 84790Kari\_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.*