# NPS

**PROJECT SUMMARY**

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| **Cooperative Ecosystem Studies Unit**  **Cooperative Agreement Modification** | | | | | |
| FUNDING AGENCY: **National Park Service** | | | | | |
| MODIFICATION NO.: **[CESU info only]** | | COOPERATIVE AGREEMENT NO.: **H1200-04-0002** | | FUNDING AMOUNT: $ 35,000 | |
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| PROJECT TITLE:Developing remotely sensed methods and protocols to map and monitor forest structure on the North Rim of Grand Canyon National Park | | | | | |
| EFFECTIVE DATES**:** 08/01/2006 – 2/1/2009 | | | | | |
| PROJECT ABSTRACT: Develop a set of methods that employ the use of lidar and passive remote sensing data to map and monitor forest structure on the North Rim of Grand Canyon National Park. Methods development will rely on previously published work and a pilot study to further understand the ability of proposed methods and data sets to monitor forest structure. Results from the pilot study and methods development will be organized to feed logically and directly into development of protocols that use lidar and other remotely sensed data to map and monitor forest structure on the North Rim of Grand Canyon National Park. | | | | | |
| **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) 523-8223  Ron.Hiebert@nau.edu | Agency Administration Representative Lynell Wright  Grants/Agreements Specialist  Intermountain Regional Office  P.O. Box 25287  12795 W. Alameda Parkway  Denver, CO 80225-0287  Tel: (303) 969-2654  Fax: (303) 969-2992  [Lynell\_Wright@nps.gov](mailto:Lynell_Wright@nps.gov) | | **Investigator:**  Zhiqiang Yang  Department of Forest Science  Oregon State University  Corvallis, OR 97331  Telephone: 541.750.7491  [Zhiqiang.Yang@oregonstate.edu](mailto:Zhiqiang.Yang@oregonstate.edu) | | **Partner Admin. Contact:**  Clem LaCava  Contracting Officer  Contract Office 306 Kerr Administration Bldg Corvallis, OR 97331-2147  Telephone: 541.737.2373 |
| ***List of Key Words: remote sensing, lidar, forest structure, Grand Canyon National Park*** | | | | | |
| ***Key Official from National Park - Include contact information @ Specific Park or NPS Office****:*  Chris Lauver, Ecologist  Southern Colorado Plateau Inventory & Monitoring Network  National Park Service  Northern Arizona University  Flagstaff, AZ 86011  Telephone: 928.523.9505  Email: Chris\_Lauver@nps.gov | | | | | |
| *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.*