# NPS

**PROJECT SUMMARY**

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| **Cooperative Ecosystem Studies Unit****Cooperative Agreement Modification** |
| FUNDING AGENCY: National Park Service |
|  MODIFICATION NO.: CSU-WASO-WRD-2004-??  | CESU COOPERATIVE� AGREEMENT NO.:**CA238099001** |  FUNDING AMOUNT: $ **18,705** |
| INVESTIGATORS� Contact Information: **Dr. David J. Cooper, Colorado State University Dept. of Forest, Rangeland and Watershed Stewardship, (970) 491-5430/(303) 499-6441** |
| PROJECT TITLE:**�Monitoring the Success of Wetland Restoration: Snake River Gravel Pit, John D. Rockefeller, Jr. Memorial Parkway** |
| EFFECTIVE DATES**: �Start May 15, 2004; End Dec 31, 2004**  |
| PROJECT ABSTRACT: From the 1950�s through the early 1990�s, the U.S. Forest Service, the National Park Service, and the Federal Highway Administration extracted thousands of cubic yards of gravel from the Snake River Gravel Pit (John D. Rockefeller, Jr. Memorial Parkway) for NPS road projects and maintenance activities.� Mining ceased in 1992 when the Corps of Engineers determined that the operation had violated the Clean Water Act.� The Corps determined that the unpermitted activities had impacted 1.07 acres of wetland and stream channel habitat and 4.6 acres of open water habitat on the site.� Closure of the site left over 60 acres of poorly vegetated waste piles, steep-walled borrow ponds, and sand and gravel stockpiles visible from both U.S. Highway 89/287 and the Snake River.� Resolution of the alleged violation involved a commitment by the NPS and FHWA to reclaim the abandoned mine to a mix of wetlands, oxbow ponds, and uplands modeled after comparable features on the adjacent, undisturbed Snake River floodplain.� During 1997-2001, the NPS Water Resources Division, Grand Teton National Park, and Colorado State University collaborated on preliminary design studies and the final reclamation design.� Earthmoving was completed in the fall of 2002, and planting was completed in spring of 2003.�� Per agreement with the U.S. Army Corps of Engineers, the project will reclaim approximately 12 acres of willow dominated habitat, 22 acres of sedge dominated wet meadow and aquatic emergent vegetation, and 13 acres of open water ponds.� The agreement also requires a minimum of three years of monitoring and reporting to verify that the terms of the settlement agreement have been met.� The attached Scope of Work specifies monitoring activities, analyses, and reports that will be completed in cooperation with Colorado State University to meet the terms of the settlement agreement. |
| ***Agency Representative****:� Ron Hiebert, NPS Research Coordinator, CPCESU, Northern Arizona University, P.O. Box 5765,**Flagstaff, AZ 86011-5765; Tel: (920)523-0877; Fax (928)520-8223;�**Ron.Hiebert@nau.edu****Agency Contracting Representative:�****Shirley Norton, Contracting Officer, Administrative Program Center, P.O. Box 25287,**�Denver, CO 80225; Tel: (303)969-2748; Fax (303)969-2795;�**Shirley\_Norton@nps.gov****Agency Administrative Representative:�****Debi Cox, Program Analyst, Water Resources Division, 1201 Oakridge Dr., Suite 250,**Fort Collins, CO� 80525; Tel: (970)225-3510; Fax (970)225-9965;**Debi\_Cox@nps.gov****Investigator: Dr. David J. Cooper, Colorado State University (970) 491-5430/(303) 4996441******Partner Administrative Contact:� Carmen Morales (970) 491-6684******List of Key Words:� Wetlands, Restoration, Hydrology of wetlands*** |
| ***Agency Manager/Technical Representative/Key Official from National Park - Insert contact information @ specific Park or NPS Office****:***Joel Wagner****NPS Water Resources Division****PO Box 25287****Denver, CO 80225****(303) 969-2955****joel\_wagner@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 6/22/99.*** |

*Attach any supporting material as necessary.*