

Cultural Monitoring Program: FY06 and Beyond

Adaptive Management Work Group Meeting
March 7-8, 2006
Phoenix, AZ



Cultural Resource Monitoring Program Development Process

- **August, 2005:** AMWG approves funding for redesign of cultural monitoring program in FY06
- **October-November 2005:** Cultural Resource Ad Hoc Group meets to discuss cultural resource monitoring info needs and potential methods
- **January 23-24, 2006:** BOR, NPS, and GCMRC meet to discuss roles, responsibilities, and agency needs re: future cultural resource monitoring

DOI Inter-Agency Agreement

January 24, 2000

- **General Agreements**
- NPS-BOR-GCMRC formalized October 2004 agreement re: agency roles and responsibilities for cultural resources.
- NPS-BOR-GCMRC agreed to move forward with an integrated approach to assessing treatment and monitoring needs for archaeological sites.
- Treatment planning will address the 161 sites previously selected by BOR and NPS.
- Monitoring planning will encompass all sites originally considered in the EIS.

FY06 Plan

- USU and MNA will cooperatively assess geomorphic contexts, site attributes, and important archaeological values (site significance) to meet both treatment and monitoring needs for 161 sites
- USU/ZCRE and MNA will cooperatively develop treatment plan, as previously scheduled
- NPS will participate in the decisions re: monitoring and treatment needs for the 161 sites

In addition to completing site assessments for monitoring, in FY06 GCMRC will:

- Evaluate existing data & refine monitoring protocols
 - Explore and characterize site diversity within existing data (this is happening now)
 - Conduct statistical analyses of existing monitoring data
 - Compile/evaluate existing survey data for future applications in treatment and monitoring
 - Evaluate historic aerial photos for measuring erosion rates
 - Initiate study to compare efficiency/accuracy/impacts of conventional survey vs. LiDAR
 - Improve gully thalweg measurement techniques

Draft FY07 Plan

- Continue R & D towards core monitoring
 - Complete legacy monitoring data analysis
 - Continue site assessments for monitoring
 - Evaluate erosion rates via historical photo analysis
 - Continue testing and refinement of monitoring protocols (both field-based and remote sensing methods)
- Continue R & D towards effects monitoring (evaluation of treatments)

FY08-FY11 Conceptual Plan

- Implement redesigned monitoring program, FY08-FY10
 - Remote sensing component
 - Field based component
- Evaluate results via PEP (end of FY10)
- Refine protocols, if necessary
- Implement long-term plan