

**Glen Canyon Dam Adaptive Management Program (AMP)  
Cultural Resource Monitoring and Research Program Agreement  
Among  
Bureau of Reclamation (BOR), Upper Colorado Region  
National Park Service (NPS), Grand Canyon National Park  
Geological Survey, Grand Canyon Monitoring and Research Center (GCMRC)**

**Agreement Goals:**

- Address National Historic Preservation Act (NHPA) and Grand Canyon Protection Action (GCPA) information needs and management responsibilities.
- Answer core monitoring and research questions.
- Integrate BOR, NPS, GCMRC and tribal monitoring and research efforts.

**Roles and Responsibilities:**

- BOR is responsible for evaluating and treating sites affected by dam operations through Sec. 106 of the NHPA. BOR develops the compliance monitoring and research (for treatment) questions in order to meet its requirements with NHPA Sec. 106.
- NPS is responsible for evaluating and treating sites affected by visitor use through Sec. 106 of the NHPA. The NPS develops compliance monitoring and research questions in order to meet its requirements with NHPA Sec. 106 and 110. Because of the inherent overlap between the BOR and NPS programs, the NPS may implement 106 monitoring programs for both BOR/AMP and NPS.
- To assist the DOI agencies, the cultural ad hoc group of the Technical Work Group (TWG) will provide technical work plan recommendations to the Science Planning Group, which will then work with GCMRC to develop budget and program proposals for TWG consideration. The Programmatic Agreement (PA) signatories are responsible for reviewing and making recommendations to the respective agencies on monitoring and research questions and treatment.
- GCMRC provides the AMP scientifically credible information for addressing NHPA and GCPA issues within the Colorado River ecosystem for dam operations and visitor use. The GCMRC utilizes the monitoring and research questions defined by BOR and NPS for their NHPA compliance, and the AMP for its GCPA responsibilities to formulate a scientifically credible monitoring and research program.
- Tribes have cultural affiliation to Grand Canyon, have a significant interest in the management process, and have a fundamental responsibility in helping define management actions.

**Agreement Objectives:**

- Describe the process for modifying current monitoring and research programs.
- Describe how monitoring and research programs are administered.
- Coordinate and integrate activities among Tribes, NPS, BOR and GCMRC.

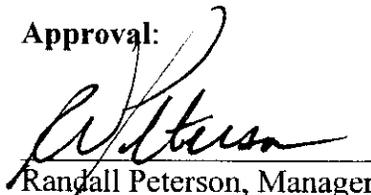
## Glen Canyon Dam AMP Cultural Resource Program Components (see Figure 1)

GCMRC, NPS, BOR, the tribes, and other participants in an expanded cultural resources ad hoc group will meet annually to define integrated monitoring and research tasks for inclusion in the work plan and budget for the cultural program. In total, this integrated cultural program is intended to meet the statutory compliance requirements of each of the relevant DOI agencies. Proposed program activities will be reviewed annually by the PA signatories and TWG and revised by the participants if necessary before it goes to the AMWG for approval. The program is reviewed periodically by the GCMRC Science Advisory Board (SAB).

### Administration and Oversight (Implementation)

- Each agency has responsibility for program activities that it funds. In the case of AMP-funded activities, GCMRC will implement PEP-review and peer review comments to improve scientific monitoring and research activities.
- Logistics and field efforts are coordinated.
- Data sharing agreements are developed (security and confidentiality).
- Disputes are resolved.
- Duplication and redundancy (sites monitored, variables measured, etc.) are avoided.
- Efforts are documented in annual reports from each agency; a program annual report is compiled by GCMRC.
- Program reviews by TWG, PA Signatories and SAB are coordinated by GCMRC.
- The parties to this agreement will establish a steering committee to coordinate the cultural resource program activities among DOI agencies. Any of the signatories may call a meeting to discuss aspects of this program.

### Approval:



Randall Peterson, Manager  
Environmental Resources Division  
Upper Colorado Region, BOR

4-17-06

Date



Jeffrey Cross, Director  
Grand Canyon Science Center  
Grand Canyon National Park, NPS

4/3/06

Date



John Hamill, Chief, GCMRC

28 Feb 2006

Date

Figure 1. Glen Canyon Dam AMP Cultural Resource Program Components and Relationships.

