



FY 2006 Projects for Sociocultural Resources

February 2-3, 2005, TWG meeting

Sociocultural Program

- Heritage Resources

Archaeological sites

Traditional cultural properties

Other resources of traditional concern

- Recreation

Visitor Experience

Visitor Safety

Campsites

- Socioeconomics

Hydropower

Recreation

C.1 Historic Property Monitoring

- CMINS
 - 11.1.1: Determine the status of historic properties under Record of Decision Operations.
 - 11.1.1a: Determine periodically whether the essential physical features are visible enough to retain their significance.
- Data Acquisition:
 - 1) monitor all sites potentially affected by dam operations on an equal cycle to assess their condition and integrity (approx. 60 sites/yr)
 - 2) monitor a sample of sites via repeat mapping to systematically measure (quantify) amount of geomorphic change occurring system-wide under ROD operations (approx. 40 sites/year)
- Data management and Dissemination
 - Data accessioned into GCMRC data base
 - Annual monitoring reports
 - SCORE report

FY06 BUDGET= \$391,161



Tribal Values Monitoring

- CMINS

- 11.2.1: Are the traditionally important resources and locations for each tribe and other groups being affected?
- 11.1.1: Determine the status of historic properties under Record of Decision Operations.

- Data Acquisition:

- During tribal values integration workshop in Spring 2005, each tribe will identify specific culturally important resource values and design specific protocols to track changes to those values systematically through time
- Monitoring will be accomplished via annual tribal river trip and participation with archaeological site monitoring trips

- Data management and Dissemination

- Data accessioned into GCMRC data base, as appropriate
- Annual monitoring reports
- SCORE report



FY06 BUDGET=\$316,250



CAMPSITE MONITORING

Assessment of previous campsite I&M protocols undertaken in FY01; final report (Kaplinski et al. 2003) concluded that campsite I&M protocols have been highly variable/inconsistent through time.

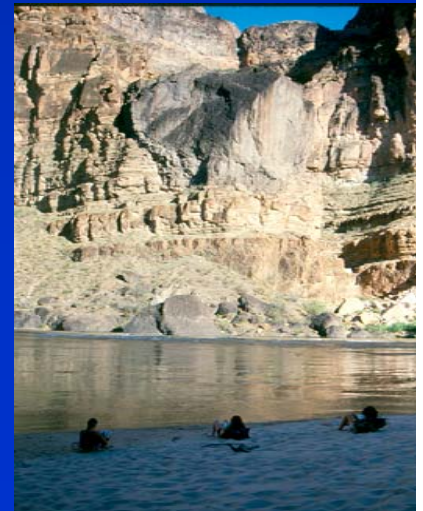
Report recommends:

- 1) Conduct comprehensive inventory of all currently used camps in CRE**
- 2) Ground truth remotely-sensed campable sand areas (Breedlove et al. 2003) and determine campable area boundaries**

FY06-07 budget includes project to address Recommendations 1 & 2.

CAMPSITE MONITORING

- **CMINS:**
 - 9.3.1 Determine & track size, quality, and distribution of camping beaches by reach and stage level in Glen and Grand Canyons
 - 9.3.2 Determine & track effects of ROD operations on the size, quality and distribution of camping beaches in the CRE
 - 9.1.1 D & T changes in recreational quality, opportunity and use, impacts and perceptions of users in the CRE (partially addressed)
 - 9.1.3 D & T the level of satisfaction for river-related recreational opportunities in the CRE (partially addressed re: campsite qualities)
- **DATA ACQUISITION:**
 - inventory all existing campsites and map camp areas onto digital orthorectified imagery
 - compare changes in vegetation, amount of open sand areas, satellite camps, and social trailing via remotely sensed imagery collected every four years
- **DATA MANAGEMENT & DISSEMINATION:**
 - Inventory report with maps of all current campsites
 - Campsite change assessment reports, once every 4 years
 - SCORE report



Aeolian Project

- **RINS:**
 - 11.1.1 What are sources of impacts to archaeological sites?
 - 11.1.1a What and where are the geomorphic processes that link loss of site integrity with dam operations?
 - 11.1.1b What are the terrace formation processes and how do dam operations affect current terrace formation processes?
 - 11.1.1c Determine if and where dam operations cause accelerated erosion to historic properties
 - **DATA ACQUISTION:**
 - Continue collection of modern aeolian sand transport data relative to new sand deposits from FY05 experimental flows
 - Evaluate stratigraphy of 3-5 additional prehistoric site areas to ascertain relative importance of aeolian process in the past compared to today
 - **DATA MANAGEMENT & DISSEMINATION:**
 - Final Report in FY06
- FY06 BUDGET=\$172,500**



Project C.1 Integrated Archaeological Site Monitoring

FUNDING HISTORY					
	2003	2004	2005	2006	2007**
Outsourced Science/labor			\$17,500	\$234,420	\$240,280
Logistics			\$15,000	\$80,000	\$82,000
Operations				\$ 5,000	\$ 9,150
GCMRC Salary			\$7,500	\$20,720	\$ 21,240
Travel/training					\$ 1,500
Project SubTotal			\$40,000	\$340,140	\$350,145
15% DOI Burden				\$51,021	\$ 52,520
PROJECT TOTAL				\$391,161	\$402,665
% total outsourced*			63%	81%	81%

** FY06-07 budget figure includes does not include the weather monitoring component. Weather monitoring is a separate budget item, although is an integral aspect of this program.

Project C.2 Integrated Tribal Values Monitoring

FUNDING HISTORY					
	2003	2004	2005	2006	2007**
Outsourced Science/labor				\$250,000	
Logistics					
Operations					
GCMRC Salary (student intern)				\$25,000	
Travel/training					
Project SubTotal				\$275,000	
15% DOI Burden				\$ 41,250	
PROJECT TOTAL				\$316,250	
% total outsourced*				91%	

*logistical costs are covered through tribal river trips and participation with NPS archaeological site monitoring trips

Project C.3 INTEGRATED CAMPSITE MONITORING PROGRAM

FUNDING HISTORY	Fiscal year					
	2002	2003	2004	2005	2006	2007
Outsourced Science/Labor					\$141,040	144,566
Logistics					\$40,000	41,000
Operations					\$6,000	6,150
GCMRC Salary					\$6,000	6,150
Project Subtotal					\$193,040	197,866
15% DOI Burden					\$28,956	29,684
PROJECT TOTAL					\$221,996	\$227,550
% total outsourced					83%	83%

C.4 Continue and Finalize Aeolian Sediment Transport and Cultural Site Preservation Study

FUNDING HISTORY					
	2002	2003	2004	2005	2006
Out-Sourced Science/Labor		\$40,000	\$ 95,000		\$135,000
Logistics (All)					\$ 15,000
Operations					
GCMRC Salaries					0
NPS salaries					0
Project Subtotal					\$150,000
15% DOI Burden					\$ 22,500
PROJECT TOTAL					\$172,500
% total outsourced*					83%

The End