

**ADAPTIVE MANAGEMENT PROGRAM
GRAND CANYON MONITORING AND RESEARCH CENTER
PROJECT BUDGET - FY 2002**

SUMMARY BY PROJECT	AMP and O&M Funding	
I. SCIENTIFIC OPERATIONS		
<u>A. TERRESTRIAL ECOSYSTEM ACTIVITIES</u>		860,025
1. Monitoring avifauna	129,900	
2. Monitoring terrestrial habitat	200,500	
3. Monitoring Kanab Ambersnail	71,625	
4. Ongoing trophic interactions research	55,900	
5. Cultural resource monitoring & mitigation strategies	132,000	
6. Development of historic contexts	70,100	
7. Terrestrial mapping and inventory**	200,000	
<u>B. AQUATIC ECOSYSTEM ACTIVITIES</u>		1,454,070
1. Ongoing monitoring phyto-benthic community	261,840	
2. Ongoing monitoring of downstream fish**	787,740	
3. Monitoring of Lees Ferry trout fishery	149,840	
4. Ongoing population genetics of humpback chub	65,550	
5. New research - native and non-native fish species**	189,100	
<u>C. INTEGRATED WATER QUALITY MONITORING</u>		396,565
1. IWQP downstream activities	89,565	
2. IWQP Lake Powell (O&M funding)	307,000	
<u>D. INTEGRATED TERRESTRIAL & AQUATIC ECOSYSTEM ACTIVITIES</u>		1,471,420
1. Long-term monitoring of fine-grained sediment storage	435,740	
2. Long-term monitoring of streamflow and fine-sed. transport	549,140	
3. Long-term monitoring of coarse-graining sediment	113,140	
4. Modeling reach-averaged sand bar evolution	149,400	
5. Develop of a one-dimensional fine sediment-routing model	124,500	
6. Advanced conceptual modeling of coarse-grained sediment	99,500	
<u>E. PROTOCOL EVALUATION PROGRAM ACTIVITIES</u>		179,000
1. Biological Resources and IWQP PEP	88,000	
2. Socio-Cultural Resources PEP	91,000	
<u>F. REMOTE SENSING ACTIVITIES*</u>		423,800
1. Evaluating ground-based and airborne remote sensing tech.	423,800	
II. MANAGEMENT AND BUDGET		
G. ADMINISTRATIVE OPERATIONS AND SUPPORT**	1,380,670	1,380,670
H. INFORMATION TECHNOLOGIES PROGRAM SUPPORT**	968,700	968,700
I. PUBLIC OUTREACH ACTIVITIES	60,000	60,000
J. INDEPENDENT REVIEW PANELS**	229,000	229,000
K. UNS	123,000	123,000
L. AMWG/TWG REQUESTS	61,000	61,000
M. IN-HOUSE RESEARCH	20,000	20,000
N. LOGISTICS (Costs not assigned to projects)	265,750	265,750
TOTAL	7,893,000	7,893,000

* Remote Sensing Activities funding has not been increased and remains at \$400,000. Projected salary cost is \$23,800.

** Additional funding will be sought through USGS appropriations.

FUNDING SOURCES	AMOUNT
ADAPTIVE MANAGEMENT PROGRAM	6,576,000
O&M - IWQP LAKE POWELL STUDIES	307,000
APPROPRIATED FUNDING REQUEST	1,010,000
TOTAL	7,893,000

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