



# United States Department of the Interior

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IN REPLY REFER TO:

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December 17, 1997

## Memorandum

To: All Adaptive Management Work Group Members

From: Robert Winfree, Chairperson  
Technical Work Group

Subject: Transmittal of Documents

The Technical Work Group (TWG) has prepared the enclosed documents for your review. The TWG has accomplished the projects assigned by the AMWG on September 10 and 11, 1997. We achieved a consensus on the content of these reports and on the recommendations contained therein. We propose to present these documents at your January 15-16 meeting in Phoenix and will recommend their approval. Presentations will be by the TWG Chairperson or by members of the Ad Hoc groups that developed the respective reports.

### **Documents forwarded previously in the November 21 mailing**

- 1) Glen Canyon Dam Management Objectives (July 2, 1996)
- 2) Report of the Spike Flow Subgroup (October 27, 1997)
- 3) Potential Spring 1998 Beach Habitat Building Flow
- 4) Minutes of the Technical Work Group meeting (October 2-3, 1997)

### **Documents enclosed in this mailing**

- 5) The State of Natural and Cultural Resources in the Colorado River Ecosystem, August 1997 (Dave Garrett)

- 6) Fiscal Year 1997 Report to Congress: Operations of the Adaptive Management Program under the Grand Canyon Protection Act
- 7) Fiscal Year 1999 Annual Monitoring and Research Plan
- 8) Glen Canyon Dam Technical Work Group Operating Procedures
- 9) Minutes of the Technical Work Group meeting (November 4-5)
- 10) Glen Canyon Dam release issues recommended for further study
- 11) Report of the NEPA/ESA Issues Subgroup to the Technical Work Group
- 12) Recommendations to the TWG for Expediting Environmental Compliance and Improving Coordination on Biological Opinion Issues
- 13) Recommendations regarding travel payments to TWG members

The following topics were recommended to the TWG, by individuals members or by the GCMRC. These issues have not been explored beyond the identification stage. The TWG recommends that we be charged with reviewing the issues and facts associated with these topics, and that we report back to the AMWG on our findings and recommendations at least 30 day prior to your mid-year meeting.

#### **New Activities Recommended by and for the TWG in 1998**

- 1) **Science Advisory Board.** Review purpose and need for an independent Science Advisory Board. Develop a position paper and report recommendations to the AMWG. (Issue to be presented at the AMWG meeting by Robert Winfree.)
- 2) **Glen Canyon Dam spillway gate extensions.** Review issues related to their installation and use. Develop a position paper and report recommendations to AMWG. (Issue to be presented by Bruce Moore.) (Paper attached)
- 3) **Glen Canyon Dam release issues.** Review issues related to BHBFs greater than 45,000 cfs and broader fluctuations within power plant capacity. Develop a position paper and report recommendations to AMWG. (Issue to be presented by Tom Moody.) (Paper attached)
- 4) **Out-year budget review.** Review proposed budgets for the AMWG and GCMRC programs two or more years beyond the current fiscal year. Report to the AMWG on budget allocations and program needs. (Issue to be presented by Robert Winfree.)