

**Glen Canyon Dam Adaptive Management Work Group
Agenda Item Information
December 5-6, 2006**

Agenda Item

Grand Canyon Monitoring and Research Center FY2007 Calendar

Action Requested

- √ Feedback requested from AMWG members.
The calendar flows from the FY2007 workplan that AMWG recommended to the Secretary of the Interior in September 2006. John Hamill will answer any questions on the calendar, and will ask for volunteers to assist with planning the AMP effectiveness workshop.

This calendar describes the work of the Technical Work Group as well as GCMRC. Therefore, if AMWG members have concerns about these items being part of TWG's workplan for the upcoming year, they can air their concerns at the meeting.

Presenter

John Hamill, Chief, Grand Canyon Monitoring and Research Center

Previous Action Taken

- √ By AMWG:
The activities outlined in the calendar are elements of the FY2007 workplan that was recommended to the Secretary by AMWG during the September 2006 conference call. They are also elements of the Strategic Science Plan and the Monitoring and Research Plan that AMWG is being asked to approve at this meeting.

Relevant Science

- √ There has been no relevant research or monitoring on this subject.

Background Information

Attachment 1: Please see the Calendar on page 2.

Attachment 2: Also attached (starting on page 3) is a description of the AMP Effectiveness Workshop from the GCMRC workplan that has been recommended to the Secretary.

Draft
Major FY 07 AMP/GCMRC Milestones
(Note: Does not account for possible BHBF or EIS support by GCMRC)

<u>Activity</u>	<u>Approximate Time Frame</u>	<u>Lead</u>
1. SA Report on AMP Effectiveness	11/1/06	SA
2. Annual Project Reports due to TWG	12/15/06	All
3. Core Monitoring Proposal	12/15/06	Fairley
4. AMP Effectiveness Workshop/Action Plan	2/1/07	Hamill/Facilitator
5. SA Meeting (Integrated Science, etc)	1/10/07	Melis/All
6. Update HBC population estimate	4/1/07	Andersen
7. Core Monitoring Info Needs Workshop	3/1/06	Fairly/Facilitator
8. DOI identifies preferred LTEP	TBD	DOI/BOR
9. TCD Science Plan (Workshop)	TBD	Melis
10. LTEP Science Plan (workshop?)	TBD	Melis
11. Hydrology/Sediment Core Monitor Eval	Rpt 4/1/07	Wright/Topping
12. Science Advisors River Trip	05/07	All
13. Conceptual Ecosystem Model Work Plan	6/1/07	Melis/SA
14. TEM PEP	7/1/07	Andersen
15. TEM Core Monitoring Evaluation Rpt	10/1/07	Andersen
16. Lee's Ferry Trout PEP	9/1/07	Andersen
17. Lee Ferry Core Monitoring Evaluation Rpt	12/01/07	Andersen
18. Initial Socio Economic PEP	8/1/07	Fairley
19. FY 08-09 BWP/FY08 AWP	8/1/07	All
20. MRP Update (to include LTEP)	TBD	All

GCDAMP Effectiveness Workshop

START DATE: November 2006

END DATE: March 2007

PRINCIPAL INVESTIGATOR(S): GCMRC will organize the workshop; a facilitator will be hired to plan and facilitate the workshop and provide a report of workshop results and recommendations

GEOGRAPHIC SCOPE: Glen Canyon Dam Adaptive Management Program

NEED FOR PROJECT: The GCDAMP is patterned after an adaptive management approach to resource management. In summary, the approach adheres to three underlying principles:

1. Effective resource management can be advanced more rapidly through closer working relationships of managers and scientists in applying and evaluating science.
2. Scientists respond to managers needs for information with applied experiments, research, and monitoring.
3. Managers apply new knowledge as management actions and treatments which are evaluated for effectiveness by science and management.

The success of the GCDAMP, in general and the effective utilization of scientific information in the GCDAMP process, in particular are confounded by several factors:

1. The GCMRC's ability to design studies that will produce relevant scientific information depends on how well the GCDAMP managers clearly define and agree on resource goals and desired outcomes. This has been a challenge for the GCDAMP due to the value based conflicts and the varying collaborative skills of the diverse interests represented in the GCDAMP.
2. To be successful, GCMRC scientists and the GCDAMP managers must work together as partners — partners that recognize each have distinct but complimentary roles. In some cases the roles and responsibilities of the various groups and entities involved in the GCDAMP are either not well defined, understood, and/or respected. In particular, Native American tribes have expressed concerns about the effectiveness of the AMP process for addressing tribal concerns and desires.
3. The success of the GCDAMP is dependent not only on the GCMRC's ability to produce scientific information that is relevant to management needs, but also upon effective utilization of that information by managers in the decision making process. The challenge for scientists is to synthesize large amounts of diverse and often highly technical data into a form that is relevant to a decision (such as how to operate GCD) that has implications for multiple resources in different areas and time frames. The challenge for Managers is to embrace/rely on that information in the decision-making process.

PROJECT GOALS/TASKS

Develop an action plan for addressing priority issues, needs or opportunities related to the effectiveness of the GCDAMP and the use of scientific information in the GCDAMP process. Issues that may be examined in the workshop include:

GCMRC FY2007 Calendar, continued

1. What strategies/approaches are most suitable for more effectively (a) addressing the value based conflicts reflected by the diverse interests in the GCDAMP and (b) integrating the use of scientific information into the GCDAMP process?
2. What improvements could be made in GCDAMP structure, procedures, and operations (looking individually at AMWG, TWG, GCMRC, and SAB) to improve efficiency and effectiveness of the overall program?
3. Are the respective roles and responsibilities of the GCMRC, AMWG, TWG, and SAB clearly articulated and adhered to?
4. Are there clear procedures in place to resolve disagreements between various GCDAMP entities?
5. How could the conflict resolution procedures of the GCDAMP be improved?
6. What decision support tools are available/appropriate to assist scientists and managers to improve the use of scientific knowledge in the resource management decision-making process?
7. How can Native American involvement in and input to GCDAMP be improved?

Recommendations and approaches developed through the workshop will be implemented and tested over the 2008–11 program period.

GENERAL METHODS: In FY06–FY07, the Science Advisors will conduct a limited review of the effectiveness of the GCDAMP. Results of the SA review and other information provided by the GCDAMP will be used by GCMRC as a basis for organizing a 2–3 day workshop to develop an action plan for addressing priority issues, needs or opportunities related to the effectiveness of the GCDAMP and the use of scientific information in the GCDAMP process. The workshop, which would include GCDAMP participants and national experts in collaboration, partnerships, Native American involvement and/or conflict resolution, would occur in January or February 2007. The workshop would be designed and conducted in cooperation with GCDAMP participants. GCMRC recommends the establishment of an ad hoc group made up of representatives of the TWG, AMWG, SA and the Secretary’s Designee to serve as a steering committee for the Workshop.

LINKS/RELATIONSHIPS TO OTHER PROJECTS: This project has implication for the overall operation of the GCDAMP. The workshop will also provide information directly relevant to the Decision Support System Feasibility Study planned for FY08.

INFORMATION NEEDS ADDRESSED: GCDAMP research information needs (RINs): 12.3.1, 12.3.2, 12.3.3, 12.5.1, 12.5.2, 12.5.4, 12.7.1, 12.8.1, 12.9.2, 12.11.1

PRODUCTS/REPORTS

1. Summary of workshop finding and recommendations
2. An action plan for implementing workshop finding and recommendations

In addition to products, the workshop is designed to produce important outcomes, including (1) increased understanding of the reality of practice of adaptive management in the Glen Canyon Adaptive Management Program, (2) improved relationships among the GCDAMP stakeholders that will result in more effective incorporation of scientific information into management decisions, (3) specific practical recommendations addressing key issues related to the effectiveness and use of science information, and (4) a specific action plan for implementing the recommendations.