

**Glen Canyon Dam Adaptive Management Program
Adaptive Management Work Group Meeting, May 22-23, 2008**

DRAFT AGENDA

Thursday, May 22, 2008

START TIME ¹ (Duration)	TOPIC, PRESENTER, and PURPOSE ²	MATERIALS / TABS
9:15a (:45)	<p>Welcome and Administrative: Brenda Burman <i>Information, discussion, and possible action</i></p> <ol style="list-style-type: none"> 1. Introductions and Determination of Quorum (15 members) <ul style="list-style-type: none"> ▪ Newly Appointed AMWG Members/Alternates 2. Approval of August 29-30, 2007, and January 17, 2008 (Conference Call) Meeting Minutes 3. Action Item Tracking Report 4. Legislative Updates 5. AMWG Charter expiration, July 24, 2008 	<p align="center">Agenda / Action Items</p> <p align="center">Draft Minutes Aug. 29-30, 2007</p> <p align="center">Draft Minutes Jan. 17, 2008 CC</p> <p align="center">Charter</p>
10:00a (1:45)	<p>Experimental Action – High Flow Experiment, Preliminary Observations <i>Information and discussion</i></p> <ul style="list-style-type: none"> ▪ John Hamill, GCMRC (10 minutes) ▪ Ted Melis, GCMRC (30 minutes) ▪ Steve Martin, NPS (10 minutes) ▪ Bob Broscheid, Arizona Game and Fish (10 minutes) ▪ Q&A (45 minutes) 	<p>Reports</p>
11:45a (:30)	<p>Grand Canyon National Park Science and Resource Management Program <i>Information and discussion</i></p> <ul style="list-style-type: none"> ▪ Steve Martin, Grand Canyon National Park 	<p>Science</p>
12:15p (1:00)	<p>LUNCH</p>	
1:15p (:15)	<p>Basin Hydrology and Operations <i>Information, discussion, and possible action</i></p> <ul style="list-style-type: none"> ▪ Tom Ryan, Bureau of Reclamation 	<p>Updates</p>
1:30p (:25)	<p>Humpback Chub Comprehensive Plan and Recovery Implementation Plan Updates <i>Information, discussion, and possible action</i></p> <ul style="list-style-type: none"> ▪ Sam Spiller and Glen Knowles, U.S. Fish and Wildlife Service 	<p>Updates</p>
1:55p (:20)	<p>2008 Colorado River Basin Science and Management Symposium <i>Information, discussion, and possible action</i></p> <ul style="list-style-type: none"> ▪ John Hamill and Ted Melis, GCMRC 	<p>Updates</p>

START TIME ¹ (Duration)	TOPIC, PRESENTER, and PURPOSE ²	MATERIALS / TABS
<p>**2:15p** (1:00)</p>	<p>Experimental Action: Next Steps <i>Information, discussion, and possible action</i></p> <ol style="list-style-type: none"> 1. Introduction – Randy Peterson 2. Biological Opinion Conservation Measures <ul style="list-style-type: none"> ▪ Randy Peterson, Bureau of Reclamation ▪ Glen Knowles and Sam Spiller, Fish and Wildlife Service 3. Environmental Assessment Mitigation Measures <ul style="list-style-type: none"> ▪ Randy Peterson, Bureau of Reclamation ▪ Sam Spiller, Fish and Wildlife Service and Bob Broscheid, Arizona Game and Fish Department <p><u>Proposed Motion from U.S. Fish and Wildlife Service and Arizona Game and Fish Department:</u> That the AMWG form a “Lees Ferry Trout Fishery Ad Hoc Group” to make a recommendation to the AMWG by its next meeting on the following two Environmental Assessment (EA) mitigation commitment items:</p> <ol style="list-style-type: none"> 1. How the AMWG, consistent with the EA, might facilitate discussion among trout fishing guides and anglers, Marble Canyon business owners, recreational rafting companies, and other interested parties regarding proposed experimental actions affecting these resources, to include a projected schedule for meetings, cost-effective location, and whether Federal and State agencies should serve as support to the work of this ad hoc group, and 2. Whether and how AMWG should be involved in updating the Lees Ferry Trout Management Plan, including whether the AMP should sponsor workshops that could be used to help develop the specific aspects of the management plan, and including an assessment of work, projected schedule, and cost-effective locations. 	<p style="text-align: center;">Science</p>
<p>3:15p (:15)</p>	<p>B R E A K</p>	
<p>3:30p (:45)</p>	<p>Experimental Action: Next Steps (continued) <i>Information, discussion, and possible action</i></p> <ol style="list-style-type: none"> 4. BHBF Policy Issues Ad Hoc Group – Larry Stevens 5. Science Plan for Near Shore Ecology and Fall Steady Flows <ul style="list-style-type: none"> ▪ Matthew Andersen, GCMRC ▪ Ted Kennedy, GCMRC <p><u>Proposed Motion from Western Area Power Administration, Colorado River Energy Distributors Association, and Federation of Fly Fishers:</u> The AMWG recommends to the Secretary of the Interior that the Department of Interior expeditiously develop a comprehensive 2008-2012 Science Plan to study the effects of the two months of steady flows planned for each of the next five years. The AMWG supports the near-shore habitat study proposed by GCMRC for the September and October 2008 planned steady flows and this study should be one part of the 2008-2012 Science Plan. In addition, the AMWG recommends the 2008-2012 Science Plan include studies of the effects of the two months of steady flows on humpback chub, the Lees Ferry trout fishery, and the aquatic food base. While a detailed five-year science plan may not be completed by the time of the 2008 September-October steady flows, an outline or general approach to studying these flows should be completed so that the data gathered during the 2008 steady flow experiment will be consistent with the data requirements for a five-year plan.</p>	<p style="text-align: center;">Science</p>

START TIME ¹ (Duration)	TOPIC, PRESENTER, and PURPOSE ²	MATERIALS / TABS
4:15p (:30)	Stakeholders' Perspectives and Interest in the AMP: Southern Paiute Consortium <i>Information and discussion</i> <ul style="list-style-type: none"> ▪ Charley Bullets, Southern Paiute Consortium 	Tribal Presentation
4:45p (:15)	Public Comments	
5:00p	Adjourn	

¹ Every effort will be made to adhere to the schedule and agenda, but on occasion, for unforeseen reasons, some modifications may occur. Agenda items such as those that are likely to result in a motion or a recommendation to the Secretary of the Interior are time certain and are indicated with a double asterisk (**). They will occur as they are identified on this agenda.

² Action may be consensus or a motion; and either may be a recommendation to the Secretary of the Interior or feedback to presenter(s) or to subordinate groups.

**Glen Canyon Dam Adaptive Management Program
Adaptive Management Work Group Meeting, May 22-23, 2008
DRAFT AGENDA**

Friday, May 23, 2008

START TIME ¹ (Duration)	TOPIC, PRESENTER, and PURPOSE ²	MATERIALS / TABS
8:00a (:05)	Welcome and Administrative: Brenda Burman <i>Introductions and Determination of Quorum (15 members)</i>	Agenda
8:05a (:15)	Annual Report to Congress <i>Information, discussion, and possible action</i> ▪ Nikolai Lash, Grand Canyon Trust	Reports
<u>Proposed Motion from Grand Canyon Trust:</u> The AMWG recommends to the Secretary of the Interior that he direct the Bureau of Reclamation to produce by March 31, 2009, with review and input from the AMWG, the annual report to Congress for WY08, to include discussion of dam operations, the operation of the AMP, status of resources, and measures taken to protect, mitigate, and improve the resources defined in the Act.		
8:20a (1:00)	FY08 Mid-year Expenditures <i>Information, discussion, and possible action</i> ▪ Dennis Kubly, Bureau of Reclamation ▪ J.D. Kite and John Hamill, GCMRC	Budget
9:20 (:40)	Review of FY09 Priorities and Preliminary Budget <i>Information, discussion, and possible action</i> ▪ Dennis Kubly, Bureau of Reclamation ▪ J.D. Kite and John Hamill, GCMRC ▪ Kurt Dongoske, TWG Chair	
<u>Proposed Motion from Grand Canyon Trust:</u> The AMWG recommends to the Secretary of the Interior that if a sediment trigger is reached, then a BHBF take place in WY 2009.		
The AMWG also recommends that the Secretary direct GCMRC to develop, for consideration by the TWG and AMWG, a proposal for a 2009 BHBF that builds on the recently completed BHBF science plan, and addresses the high priority research needed to answer this Strategic Science Question: “Is there a flow-only (non-sediment augmentation) operation that will restore and maintain sandbar habitats over decadal time scales?” The proposal should include the proposed sediment trigger, BHBF hydrograph, pre- and post-BHBF flows (including monthly, daily and instantaneous flow), and timing.		
10:00a (:15)	B R E A K	
10:15a (:45)	Review of FY09 Priorities and Preliminary Budget (continued) <i>Information, discussion, and possible action</i>	

START TIME ¹ (Duration)	TOPIC, PRESENTER, and PURPOSE ²	MATERIALS / TABS
<p>**11:00a** (1:30)</p>	<p>Strategic Plan and Desired Future Conditions <i>Information, discussion, and possible action</i></p> <ul style="list-style-type: none"> ▪ Strategic Plan history and Desired Future Conditions process – Mary Orton, AMP Facilitator/Mediator ▪ Lessons learned from other Adaptive Management groups – Lance Gunderson, AMP Science Advisor, Emory University ▪ TWG Action – Kurt Dongoske, TWG Chair <p>Proposed Motion from TWG: The AMWG charges TWG to do the following:</p> <ul style="list-style-type: none"> ▪ develop quantitative targets for the Management Objectives in the AMP Strategic Plan; ▪ have the humpback chub (HBC) and sediment targets, forwarded to AMWG in December 2007, reviewed for financial feasibility; and ▪ further consider the HBC and sediment targets after receiving comments from AMWG members. <p>AMWG further asks the Science Advisors to review the TWG humpback chub and sediment targets for scientific feasibility, and requests that GCMRC do the same.</p>	<p>Updates</p>
<p>12:30p (:30)</p>	<p>Update of Monitoring and Research Plan <i>Information, discussion, and possible action</i></p> <ul style="list-style-type: none"> ▪ John Hamill, GCMRC ▪ Kurt Dongoske, TWG Chair <p>Proposed Motion from TWG: AMWG authorizes the TWG to work with GCMRC to update the MRP to reflect the new priorities and provisions of the 2007 Biological Opinion concerning the shortage guidelines and coordinated operations of lakes Powell and Mead, the 2008 Biological Opinion on the Operation Glen Canyon Dam, and the associated Environmental Assessment; and to report recommended MRP changes to the AMWG for review and approval by its Fall/Winter 2008 meeting.</p>	<p>Updates</p>
<p>**1:00p** (:15)</p>	<p>Public Comment</p>	
<p>1:15p (:15)</p>	<p>Wrap-up and Adjourn</p>	

¹ Every effort will be made to adhere to the schedule and agenda, but on occasion, for unforeseen reasons, some modifications may occur. Agenda items such as those that are likely to result in a motion or a recommendation to the Secretary of the Interior are time certain and are indicated with a double asterisk (**). They will occur as they are identified on this agenda.

² Action may be consensus or a motion; and either may be a recommendation to the Secretary of the Interior or feedback to presenter(s) or to subordinate groups.