

**Glen Canyon Dam Adaptive Management Work Group**  
**Agenda Item Information**  
**May 22-23, 2008**

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Agenda Item

Experimental Action: High Flow Experiment, Preliminary Observations

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Action Requested

√ Information item only; we will answer questions but no action is requested.

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Presenters

John Hamill, Chief, Grand Canyon Monitoring and Research Center  
Ted Melis, Deputy Chief, Grand Canyon Monitoring and Research Center  
Steve Martin, Superintendent, Grand Canyon National Park  
Bob Broscheid, Assistant Director, Arizona Game and Fish Department

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Previous Action Taken

√ Other: The Bureau of Reclamation executed a high flow experiment of approximately 41,500 cfs for 60 hours beginning March 4, 2008.

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Relevant Science

√ The following describes the relevant research or monitoring on this subject:  
The “Science Plan for Potential 2008 Experimental High Flow at Glen Canyon Dam,” can be found at [http://www.gcmrc.gov/research/high\\_flow/2008/documents.aspx](http://www.gcmrc.gov/research/high_flow/2008/documents.aspx). Look for the last document under “Planning Documents” and click on “Proposed 2008 High-Flow Science Plan.”

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Background Information

The Department of the Interior initiated an experiment in early March 2008 to inform managers about the effectiveness of using high flows from Glen Canyon Dam to improve natural, recreational, and cultural resources in Grand Canyon National Park. Flows from the dam began increasing on the evening of March 4, with powerplant bypass flows beginning at approximately 10 am on the morning of March 5. Water was released through Glen Canyon Dam’s powerplant and bypass tubes to a maximum of approximately 41,500 cubic feet per second for about 60 hours.

The Grand Canyon Monitoring and Research Center worked collaboratively with the Department of the Interior’s Bureau of Reclamation, National Park Service, and U.S. Fish and Wildlife Service to prepare for and conduct the 2008 high-flow release. These agencies as well as the Arizona Game and Fish Department, Northern Arizona University, Utah State University, and other cooperators worked together to conduct and evaluate a range of research activities.

During this agenda item, representatives from the Grand Canyon Monitoring and Research Center, Grand Canyon National Park, and the Arizona Game and Fish Department will describe their preliminary observations of the high flow experiment. See the attached PowerPoint for information about GCMRC’s preliminary findings, which will be updated before the AMWG meeting.