

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

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Agenda Item

2008 Colorado River Basin Science and Management Symposium

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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

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Previous Action Taken

√ By AMWG:  
AMWG recommended to the Secretary of the Interior during its August 2007 meeting, and the Secretary approved, an FY08 budget that included \$25,000 for GCMRC to sponsor a basin-wide Colorado River Science and Management Symposium.

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Relevant Science

√ N/A

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Background Information

See the attached prospectus for more information.

**Prospectus**  
**Colorado River Basin Science and Resource Management Symposium**  
**April 15, 2008**

**Background and Need:**

- Since 1980, multiple programs that have major impact on water management and conservation efforts in the Colorado River basin have evolved independently
- Many common goals and objectives among programs: biological resources; threats; restoration, monitoring and research strategies; and water management strategies and constraints
- In spite of commonalities there has been no formal opportunity for information exchange among programs
- Effectiveness of programs individually and collectively will be enhanced through a basin-wide conference

**Theme:** Coming Together: Coordination of science and restoration activities for the Colorado River Ecosystem

**Purpose:** Promote the exchange of information on research and management activities related to the restoration/conservation of the Colorado River in the United States

**Scope:** The focus of the symposium would be the entire Colorado River and major tributaries in the USA from its headwaters to the Mexican Border

**Potential Focus Areas (may need to be prioritized):**

1. Native fish status and trends
2. Climate change and long term drought: how will they affect restoration efforts
3. Nonnative fish management and restoration
4. Monitoring program design and effectiveness
5. Native fish propagation, stocking genetic management
6. Instream flow management and protection (including dam operations)
7. Sediment conservation and management
8. Native American Values
9. Riparian habitat monitoring and restoration
10. Integrating Recreational fisheries with native fish conservation
11. Governance structures: adaptive management and collaborative decision making

**Date/location:** November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona

**Target audience (300-400 participants):**

- Land and resource managers and decision-makers
- Scientists and researchers
- Stakeholders
- Media

**Major Sponsors:**

- USGS, Southwest Biological Science Center
- Glen Canyon Dam Adaptive Management Program (through GCMRC)

## 2008 Colorado River Basin Science and Management Symposium, continued

- FWS, Upper Colorado River and San Juan River Endangered Fish Recovery Implementation Programs
- BOR Lower Colorado River Multi Species Habitat Conservation Plan
- BOR Upper Colorado Region
- National Park Service (Colorado River National Park Units)
- Colorado River Fish and Wildlife Council

### **Other cooperators:**

- Water Education Foundation

### **Budget and Logistics:**

- Program Committee (GCMRC lead)
- Organizing Committee (Water Education Foundation lead)
- Published Proceedings (abstracts/full papers)
- Plenary session with synthesis reports
- Concurrent sessions on major themes
- Registration fee: \$200-\$250



# 2008 Colorado River Basin Science and Resource Management Symposium

Adaptive Management Work  
Group Meeting, May 22, 2008

John Hamill, Chief, Grand Canyon  
Monitoring and Research Center,  
USGS

# Background and Need

Multiple programs have evolved independently since 1980's

- Upper Basin Recovery Implementation Program
- San Juan Recovery Implementation Program
- Glen Canyon Dam Adaptive Management Program
- Lower Colorado River Multi Species Conservation Plan

Programs that have major impact on water management and conservation efforts in the Colorado River basin

# Background and Need

Many commonalities among programs

- Goals and Issues
- Biological resources and threats;
- Restoration, monitoring and research strategies;
- Water management strategies and constraints

In spite of commonalities, no formal opportunity for information exchange among programs

Effectiveness of programs individually and collectively will be enhanced through a basin wide conference

Funding for conference included in GCMRC FY 08 budget

# Purpose and Scope

- **Theme:** Coming Together: Coordination of science and restoration activities for the Colorado River Ecosystem
- **Purpose:** Promote exchange of information on research and management activities related to the restoration/ conservation of the Colorado River in the USA
- **Scope:** Entire Colorado River and major tributaries in the USA from its headwaters to the Mexican Border

# Potential Focus Areas

- Adaptive management approaches
- Resource status and trends
- Climate change/long term drought: effect on restoration/management
- Native fish propagation, stocking, genetic management
- Nonnative fish management and control
- Instream flow management (includes dam operations)
- Flows, sediment and water quality
- Societal values and Native American perspectives
- Riparian habitat monitoring and restoration
- Integrating recreational fisheries with native fish conservation
- Monitoring program design and effectiveness
- Stakeholder reactions



# Dates and Audience

**Date/location:** November 18-20, 2008,  
Doubletree Resort Hotel, Scottsdale, Arizona

**Target audience (300-400 participants):**

- Land and resource managers and decision-makers
- Scientists and researchers
- Stakeholders
- Media

# Sponsors and Cooperators

## Primary Sponsors:

- Glen Canyon Dam Adaptive Management Program
- USGS, Southwest Biological Science Center
- Upper Colorado River Recovery Implementation Program
- Bureau of Reclamation
- Lower Colorado River MSCP
- National Park Service (Colorado River National Park Units)
- Colorado River Fish and Wildlife Council

## Other cooperators:

- Water Education Foundation



# Other Details

- **Program Committee (USGS lead)**
- **Organizing Committee: (WEF lead)**
- **Proceedings: (published volume)**
- **Registration fee: \$250/person**

# General format and agenda

## November 18--Plenary session

- “looking across the basin”

## November 19--Concurrent technical sessions

## November 20--Plenary session

- Lesson learned
- Stakeholder and manager reactions
- Next steps

# Budget

## Costs

Water Education Foundation	\$ 134K
Proceedings (estimate)	50K
Speaker fees	<u>30K</u>
<b>Total</b>	<b>\$ 214K</b>

## Funding Commitments

Registration Fees (estimate)	\$ 75K
Bureau of Reclamation	50K
USGS	25K
GCD AMP	25 K
Upper Basin RIP	10K
NPS	12-25K
Colorado River F&W Council	<u>4K</u>
<b>Total</b>	<b>\$201-\$214K</b>

Outstanding need: **\$0-\$13K**



# Conclusion

- Encourage attendance
- Technical Session Chairs
- Manager/stakeholder involvement in Day 3—  
lessons learned and next steps

