

POAHG & AHAHG Report

(Public Outreach and Administrative History)

February 25, 2015



TOPICS



POAHG overview



POAHG goals
connection with AHAHG



Outreach Ideas LIST



Year-In-Review &
Program Videos

Next Steps

POAHG TEAM

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GCDAMP and Public Outreach

Motion Passed: 2/9/2011

The AMWG agrees that the Adaptive Management Program (AMP) shall continue to have a Public Outreach Ad-Hoc Group, and that the group shall operate under the attached Organizing Principles dated **February 7, 2011**.



Goals Identified for the POAHG:

February 7, 2011

1. To communicate diverse viewpoints represented in the AMP
2. To establish the AMP as the “premier AMP of the world”
3. To get more funding from Washington or private foundations
4. To inform the various publics; providing clarity and definition for the program
5. To provide a venue for the various publics inform us and communicate their concerns
6. To create the transparency that can keep politics from overshadowing the program; to keep the program honest
7. To provide a clearinghouse for education and information
8. To identify information shortfalls and provide clarity
9. To provide advice and recommendations to the Secretary of the Interior
10. To develop and convey the story of the AMP. To provide complete, accurate, available and consistent information.
11. To teach the teachers.

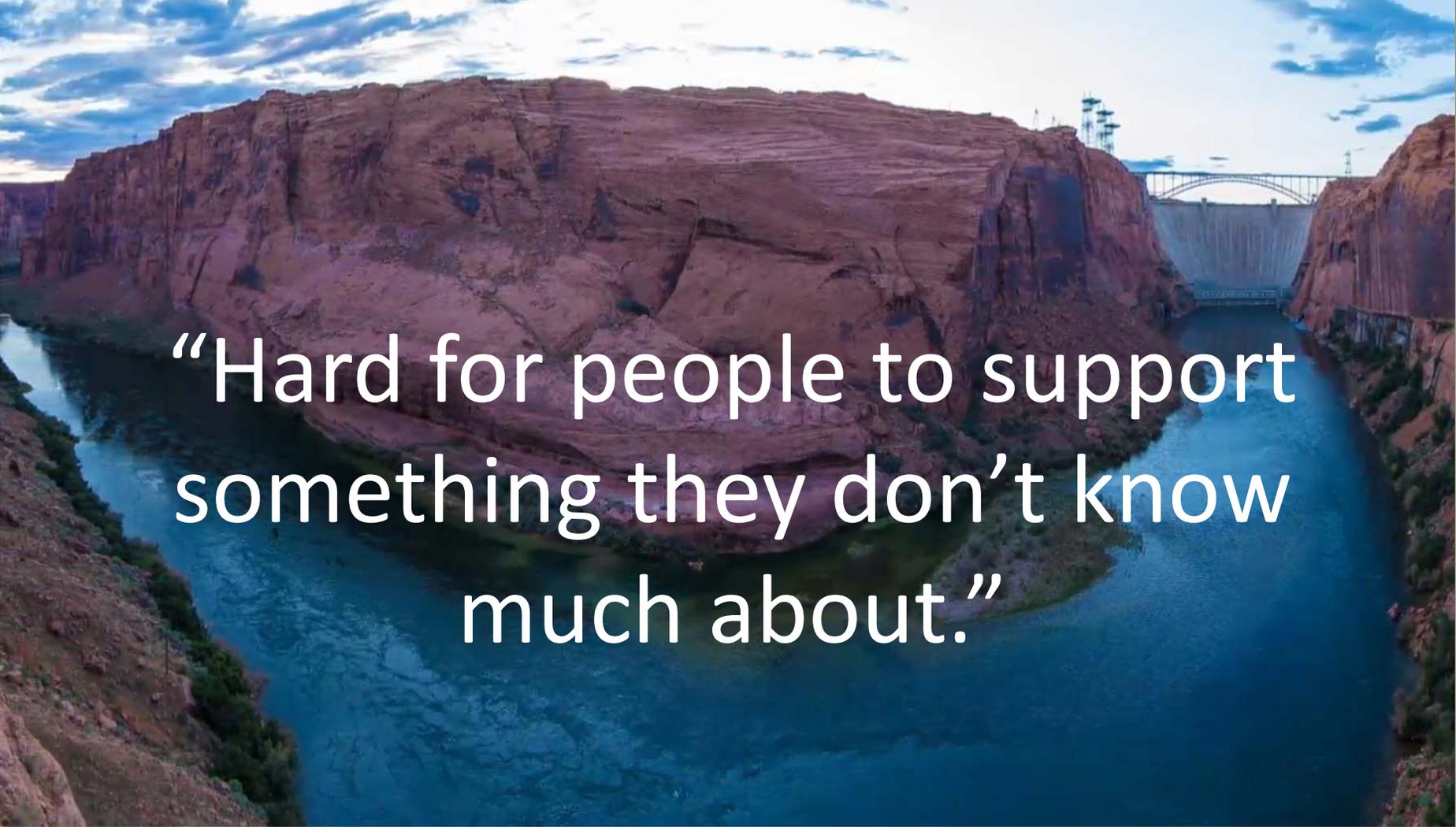
Draft of Goals for POAHG

(Developed from compiled comments_150205)

February 25, 2015



1. To assist AMWG in educating the public about AMP.
2. To effectively and regularly communicate to the public the ongoing progress/status/direction of the AMP, including goals met, challenges identified, key policy positions adopted by AMWG.
3. To provide a clearinghouse of updated information for education, research or other outreach purposes.
4. To provide outreach and support to educators about teaching adaptive management principals.
5. To support AMWG in efforts to foster ongoing cooperation and community among stakeholders.
6. To support AMWG in efforts to find and develop additional funding opportunities by increasing program visibility.
7. To support AMWG in efforts to advise and make recommendations to the Secretary of the Interior.
8. To support AMWG in efforts to provide leadership in adaptive management programing.

A wide, blue river flows through a deep, reddish-brown canyon. In the background, a large dam is visible, with a bridge spanning across it. The sky is blue with scattered white clouds. The text is overlaid in the center of the image.

“Hard for people to support something they don’t know much about.”

POAHG & AHAHG Connection



- POAHG = AMWG Ad-Hoc
- AHAHG = TWG Ad-Hoc
- Both groups are in the “Information Business”
- Both groups have specific marching orders and funding directives- (although similar)

Recommendation:

Continue for now with both ad-hocs being relevant. Keep the line of communication open.

Administrative History (AHAHG)

- In 2014, the AMWG approved and recommended funding for the AHAHG to create on-line training courses, establish a participant's handbook, develop oral histories and interviews, initiate a website library with associated archival and retrieval database, and other history related items.
- The AHAHG meets regularly and is actively engaged to achieve these directives.
- A key product and help aid of the AHAHG is the website www.GCDAMP.com (WIKI).

FACT SHEETS AND WEB-SITE

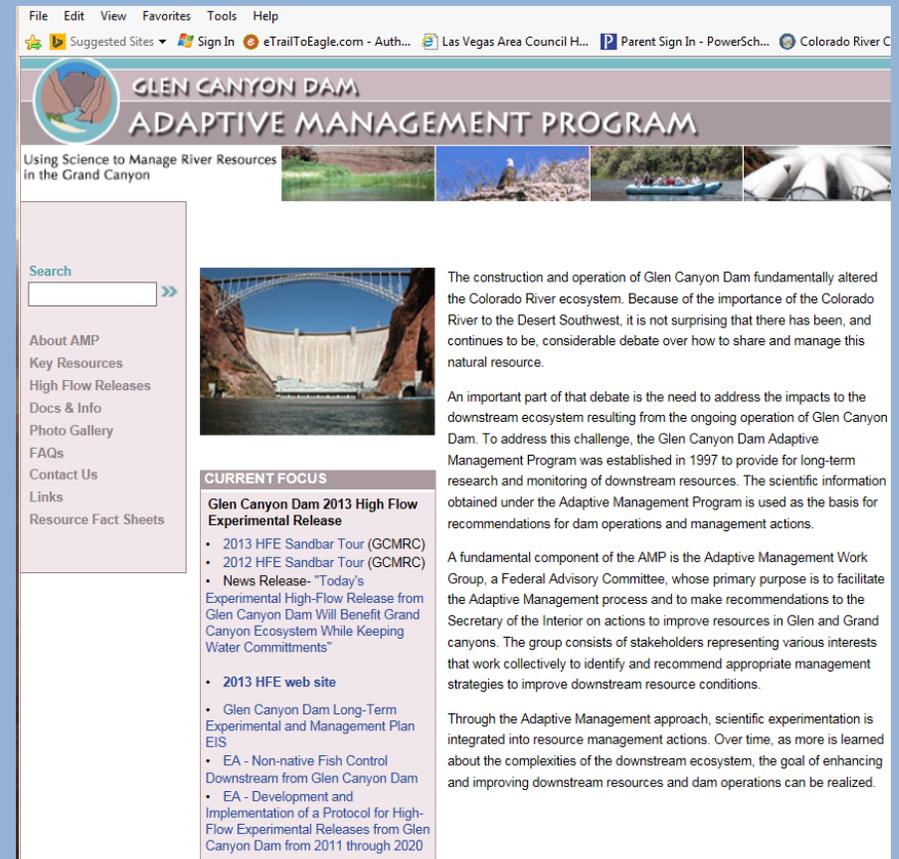
Resource Fact Sheets

This page makes available publicly distributed fact sheets on many of the topics listed below.

You must have Adobe Acrobat Reader installed on your computer to view the fact sheets. You can [download Adobe® Acrobat® Reader here](#).

- [Adaptive Management Program Origins \[PDF\]](#)
- [Adaptive Management Program Purpose and Goals \[PDF\]](#)
- [Colorado River Storage Project \[PDF\]](#)
- [Cultural Resources \[PDF\]](#)
- [Current Status of Resources in the Grand Canyon \[PDF\]](#)
- [Endangered Species \[PDF\]](#)
- [High Flow Releases at Glen Canyon Dam \[PDF\]](#)
- [Historical Native Fishes of Glen and Grand Canyons \[PDF\]](#)
- [Hydropower and the Adaptive Management Program \[PDF\]](#)
- [Lees Ferry Trout Fishery \[PDF\]](#)
- [Recreational River Rafting \[PDF\]](#)
- [Sand Bars in the Grand Canyon \[PDF\]](#)
- [Who We Are \[PDF\]](#)

Last updated: March 6, 2013



File Edit View Favorites Tools Help

Suggested Sites Sign In eTrailToEagle.com - Auth... Las Vegas Area Council H... Parent Sign In - PowerSch... Colorado River C

GLEN CANYON DAM ADAPTIVE MANAGEMENT PROGRAM

Using Science to Manage River Resources
in the Grand Canyon

Search >>

- About AMP
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CURRENT FOCUS

Glen Canyon Dam 2013 High Flow Experimental Release

- 2013 HFE Sandbar Tour (GCMRC)
- 2012 HFE Sandbar Tour (GCMRC)
- News Release- "Today's Experimental High-Flow Release from Glen Canyon Dam Will Benefit Grand Canyon Ecosystem While Keeping Water Commitments"
- 2013 HFE web site
- Glen Canyon Dam Long-Term Experimental and Management Plan EIS
- EA - Non-native Fish Control Downstream from Glen Canyon Dam
- EA - Development and Implementation of a Protocol for High-Flow Experimental Releases from Glen Canyon Dam from 2011 through 2020

The construction and operation of Glen Canyon Dam fundamentally altered the Colorado River ecosystem. Because of the importance of the Colorado River to the Desert Southwest, it is not surprising that there has been, and continues to be, considerable debate over how to share and manage this natural resource.

An important part of that debate is the need to address the impacts to the downstream ecosystem resulting from the ongoing operation of Glen Canyon Dam. To address this challenge, the Glen Canyon Dam Adaptive Management Program was established in 1997 to provide for long-term research and monitoring of downstream resources. The scientific information obtained under the Adaptive Management Program is used as the basis for recommendations for dam operations and management actions.

A fundamental component of the AMP is the Adaptive Management Work Group, a Federal Advisory Committee, whose primary purpose is to facilitate the Adaptive Management process and to make recommendations to the Secretary of the Interior on actions to improve resources in Glen and Grand canyons. The group consists of stakeholders representing various interests that work collectively to identify and recommend appropriate management strategies to improve downstream resource conditions.

Through the Adaptive Management approach, scientific experimentation is integrated into resource management actions. Over time, as more is learned about the complexities of the downstream ecosystem, the goal of enhancing and improving downstream resources and dam operations can be realized.

Public Outreach Ideas List

- Social Media
- Brochures
- Fact Sheets
- Business Cards
- Displays
- Model Fish
- Shirts/Hats
- News Letters
- Citizen Science
- Web-site
- Did You Knows?

The image displays two screenshots of a Wiki page for the GCDAMP POAHG. The top screenshot shows the page title "GCDAMP POAHG Page" and a navigation menu with options like Administration, Communication, Learning, Documents, Media, and Resources. Below the title is a small image of a canyon landscape. The bottom screenshot shows a table titled "POAHG Ideas List" with columns for Number, Title, and Link. The table lists various outreach ideas such as Social Media, Brochures, Fact Sheets, Business Cards, Displays, Model Species-Fish, Shirts-Hats, News Letters, Citizen Science, and Web-site.

Number	TITLE	LINK
	Social Media	
	Brochures	
	Fact Sheets	
	Business Cards	
	Displays	
	Model Species-Fish	
	Shirts-Hats	
	News Letters	
	Citizen Science	
	Web-site	

Social Media

facebook

Email or Phone Password

Keep me logged in [Forgot your password](#)

 **Working Together to Recover Endangered Fishes** 

Upper Colorado River Endangered Fish Recovery Program
San Juan River Basin Recovery Implementation Program

 **Colorado River Recovery**
Government Organization

Timeline | [About](#) | [Photos](#) | [Likes](#) | [More](#) ▾

<https://www.facebook.com/ColoradoRiverRecovery>

Display Fish/Species

Fish Models for the Bureau of Reclamation

Endangered fish of the Colorado River



Get the Word Out

Displays



Business Cards Concept



GCDAMP-- Apparel

- Wear to meetings
- Promotes the Program
- Supports program unity



PROGRAM SHIRTS SIGN UP NOW FOR 2015 ORDER

The Public Outreach Ad-Hoc (POAHG) is making available for purchase GCDAMP shirts.

The Glen Canyon Dam Adaptive Management Program is a unique environmental program that incorporates input from various stakeholders representing multiple river related resources.

"And though we wear our own individual jerseys, we must not forget that we're all on the same team." Show your support and unity for the GCDAMP and sign up for the shirt order today. We invite all those involved in the program to participate.



Who better to represent the GCDAMP than the Stakeholders

Wear your shirt at TWG & AMWG Meetings

The selected colors are Black & Sandstone

Get your order in soon

Estimate cost around \$20 per shirt

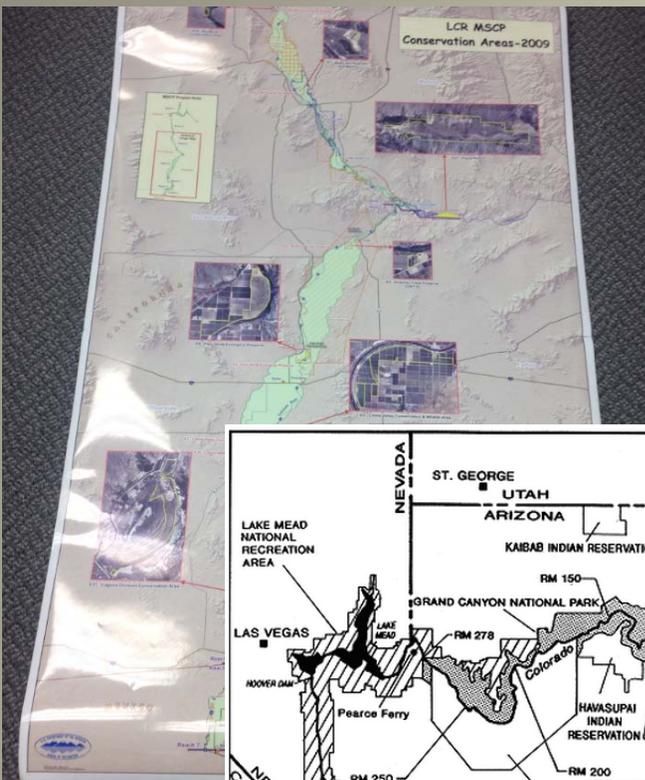
PUBLIC OUTREACH AD-HOC GROUP

*See sign-up form

*Sizing Line-Up included in attachment

*Shirts will be distributed at the February AMWG Meeting

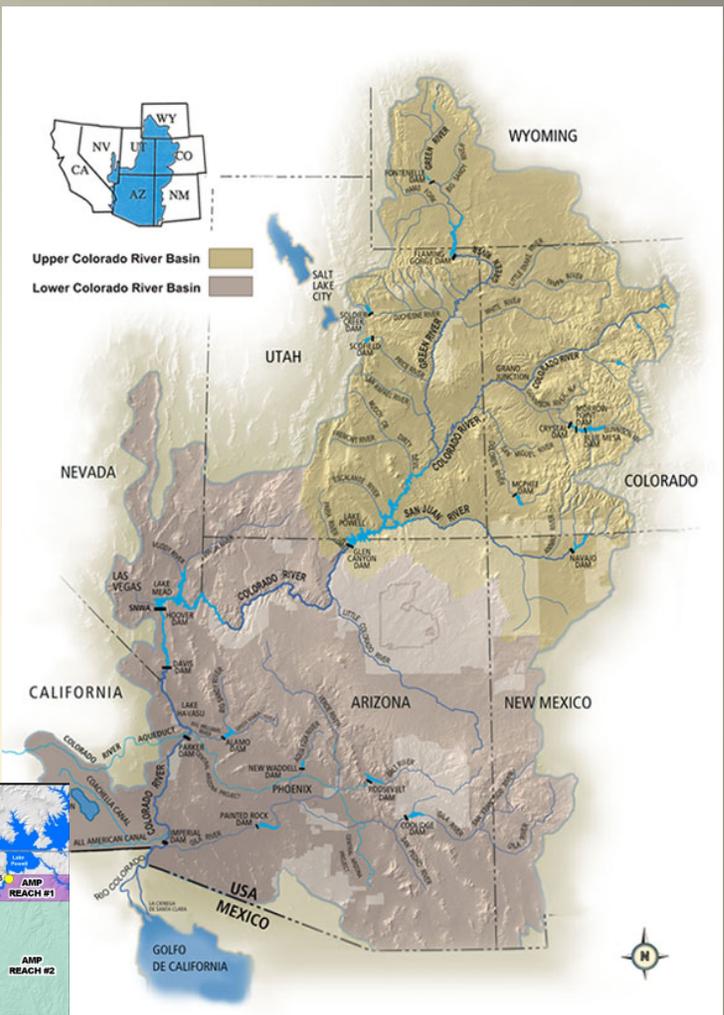
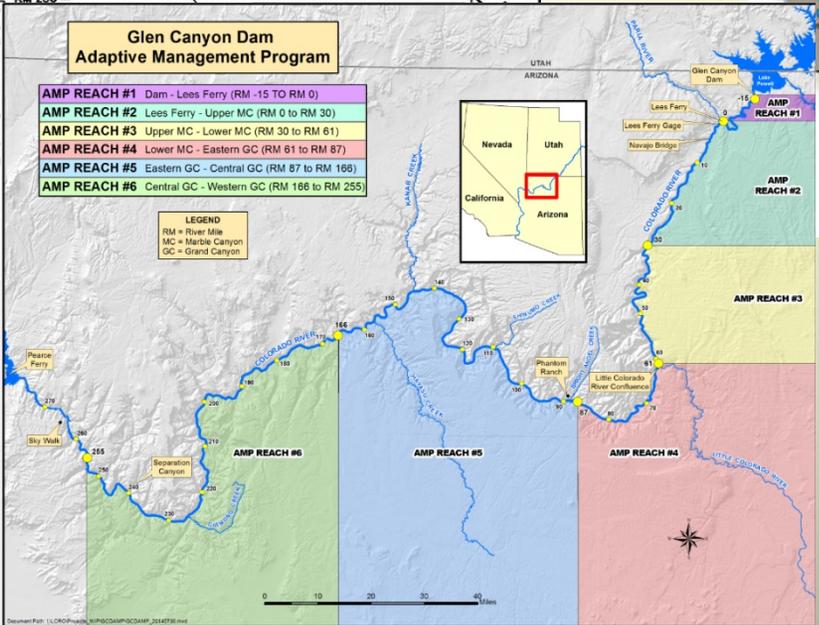
MAPS



Map of the affected land jurisdiction

- Glen Canyon Dam Adaptive Management Program**
- AMP REACH #1 Dam - Lees Ferry (RM -15 TO RM 0)
 - AMP REACH #2 Lees Ferry - Upper MC (RM 0 to RM 30)
 - AMP REACH #3 Upper MC - Lower MC (RM 30 to RM 61)
 - AMP REACH #4 Lower MC - Eastern GC (RM 61 to RM 87)
 - AMP REACH #5 Eastern GC - Central GC (RM 87 to RM 166)
 - AMP REACH #6 Central GC - Western GC (RM 166 to RM 255)

LEGEND
 RM = River Mile
 MC = Marble Canyon
 GC = Grand Canyon

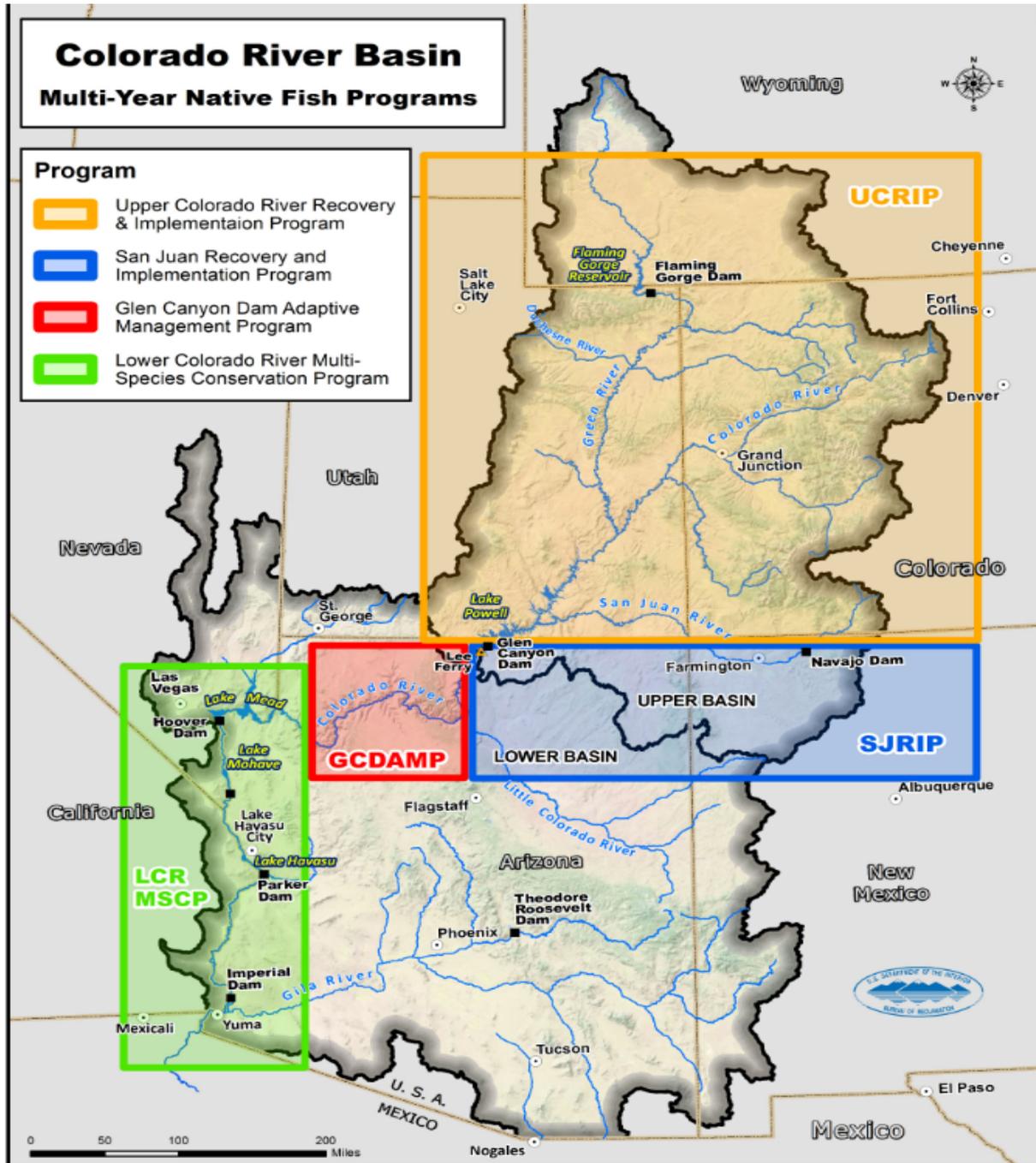


Colorado River Basin

Multi-Year Native Fish Programs

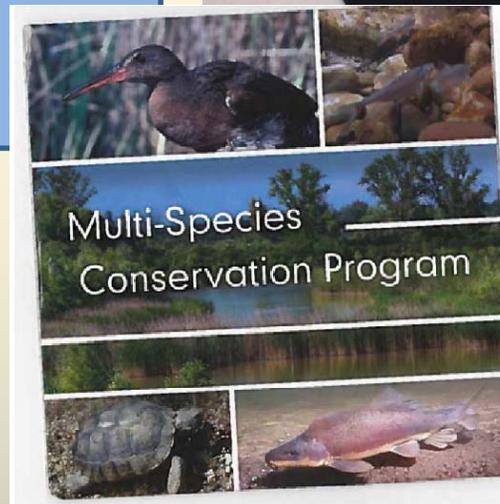
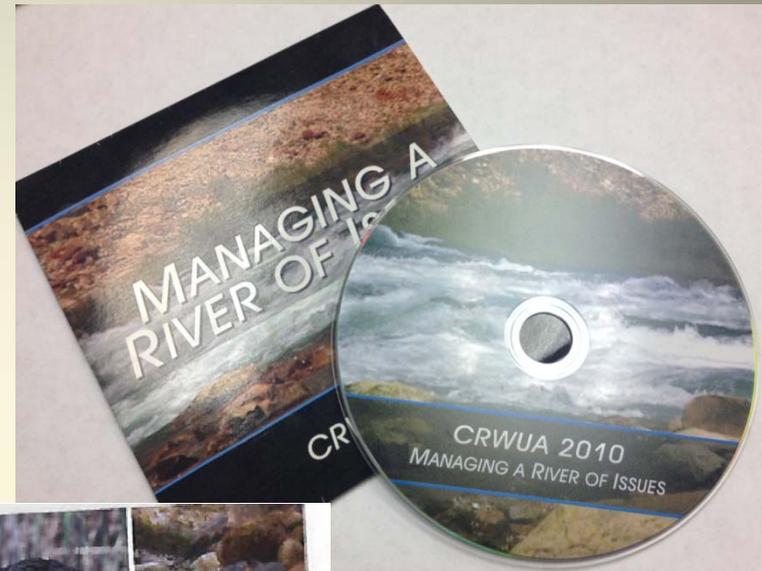
Program

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



Program Overview Video

- Internal support (USBR)
- Educate-inform-trumpet
- Script (6 to 8 minutes)
- Goals (1,2,4,5)



High Flow Experimental Releases Part of Adaptively Managing Glen Canyon Dam



Guiding Criteria

- Visual, creative, informative, and entertaining

Did You Know?

Did You Know?

POAHG QUIZ

Subject: **Water Delivery** Subject: **Tribal Trivia** Subject: **Hydropower** Subject: **Recreation** Subject: **Fish** Subject: **General**



#1  The Colorado River is joined by over 25 significant tributaries. Which tributary contributes the most (water discharge) to the Colorado River?

- a) San Juan River
- b) Gunnison River
- c) Yampa River
- d) Green River

#2 **November 2014 High Flow Experiment- (37,500 cfs): How long did it take for the initial wave to go from Glen Canyon Dam down to the mouth of Lake Mead?**

- a) About 1 day
- b) About 2 days
- c) About 3 days
- d) About 4 days



#3  Approximately how many people visit the Carl Hayden visitor's center each year?

- a) 500,000
- b) 1 Million
- c) 2 Million
- d) 3 Million

#4 Hoover Dam has 17 power generators. How many generators does Glen Canyon Dam have?

- a) 8 Units
- b) 10 Units
- c) 12 Units
- d) 14 Units



#5  Which tribe was the first cooperating agency in the GCDAMP process in 1992?

- a) Pueblo of Zuni
- b) Navajo Nation
- c) Hopi Tribe
- d) Hualapai Tribe

#6 Approximately how many stories high is Glen Canyon Dam?

- a) 51
- b) 61
- c) 71
- d) 81



#7  Remains of Ice-age Mammals: Caves and alcoves within Glen Canyon provided shelter for many now extinct animals. Inside these shelters, paleontologists and archaeologists discovered the following:

- a) Mammoths
- b) ground sloth
- c) Bison & MT goat
- d) All of the above

#8 How long did it take for Lake Powell to fill?

- a) 8 Years
- b) 14 years
- c) 17 Years
- d) 20 Years



#9  The Navajo Nation is the largest Indian tribe in the U.S., with reservation land covering a total of 17.5 million acres. Very often, the size of the Navajo Nation is compared to that of what state?

- a) West Virginia
- b) Rhode Island
- c) Mississippi
- d) Delaware

#10 Nevada's annual allocation of Colorado River water (300,000 af) is the smallest of the seven basin states. Which state receives the 2ND LEAST amount?

- a) Wyoming
- b) Utah
- c) Arizona
- d) New Mexico

9 to 10 correct answers = **GCDAMP Guru Master**
 7 to 8 correct answers = **AMP Ninja**
 5 to 6 correct answers = **Grand Canyoneer**
 0 to 4 correct answers = Time to study more

BONUS: Speed: What is the record for the fastest kayak to travel down the Grand Canyon on the Colorado River? (Basically Lees Ferry to Pierce Ferry)

- a) 26 Hours
- b) 36 Hours
- c) 46 Hours
- d) 56 Hours

*Still in
planning
stages

GCDAMP YEAR-IN-REVIEW 2014

AHAHG History Concept



Glen Canyon Dam Technical Work Group, Jan 30, 2014





Glen Canyon Dam Adaptive Management Program Year-In-Review 2014



YEAR IN REVIEW



Turn in your Pictures!

- Notable Events
- Accomplishments
- Other



2014 is coming to an end

The AHAHG & POAHG plan to summarize GCDAMP's 2014 achievements, accomplishments, and notable events into a short video-clip filled with pictures and highlights all put to fun music. Please let us know if you have anything you would like us to add



- Drought
- Retirements
- Newbies
- AMP functions
- 50 Year Power
- Public outreach
- Records
- ETC...



The 2014 Year-In-Review will be played at the February AMWG meeting



Thanks for participating in GCDAMP history

- ✓ Effective and unique way to provide history (time-line)
- ✓ "Amateur Hour" no cost
- ✓ February AMWG
- ✓ Pictures of the stakeholders
- ✓ See how much happens in one year
- ✓ 5 to 6 minutes