



GCDAMP WIKI TEST-DRIVE



Administrative History Ad-Hoc Group
April 9, 2014

*Purpose of gathering information and creating a history of the GCDAMP



Glen Canyon Dam Technical Work Group, Jan 30, 2014



Chris Hughes



Vineetha Kartha



Anne Castle

WWW.GCDAMP.COM



Page Discussion

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Glen Canyon Dam Adaptive Management Program



CALENDAR

- Administrative
- Documents
- Knowledge Assessments
- Ad-Hoc Groups
- Desired Future Conditions
- Links
- Tribal Perspectives
- DOI Direction
- Learning Pages

STAKEHOLDERS CENTRAL



SEDIMENT



FISH



HYDROPOWER



CULTURAL



FOOD BASE



RECREATION



ECOSYSTEM



FISHERY



EXTIRPATED



Science



ADMINISTRATION

- GCDAMP USBR Home Page
- AMWG Home Page
- GCDAMP ADMINISTRATION
- GCDAMP Policy and Procedures
- GCDAMP Sediment Model



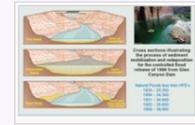
COMMUNICATION

- GCDAMP AdHoc GROUPS
- GCDAMP Announcements-----* NEWS ARTICLES
- GCDAMP FACTS PAGE----- GCDAMP Trivia Page
- GCDAMP ADMINISTRATIVE HISTORY



LEARNING PAGE

- Fact Sheets
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- GCDAMP Learning Page
- GCDAMP Web-LINKS
- PHOTO GALLERY- VIDEO- MAPS- GRAPHICS
- SANDBOX



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GCDAMP Glen Canyon Dam



Resource Stats



Acronyms--Terms



Hydrology



Tribal Ecological Knowledge



Knowledge Assessment



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Science Trips

- Dec 10: Lake Powell Forebay/Tailwater Monitoring
- Jan 9: Natal Fish Origins
- Feb 13: Sediment Monitoring
- Mar 18: Monitoring LF rainbow trout population

News Articles

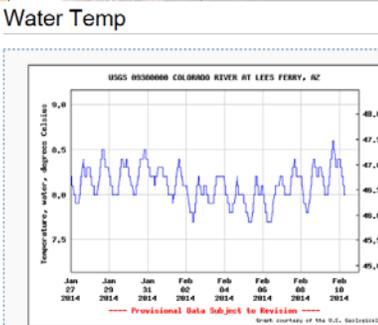
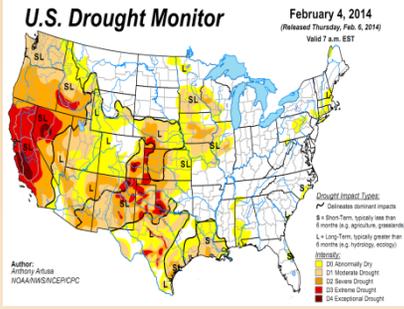
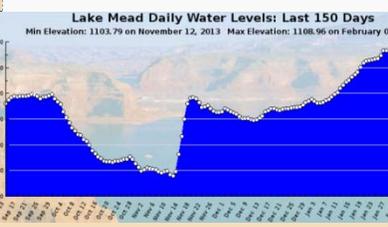
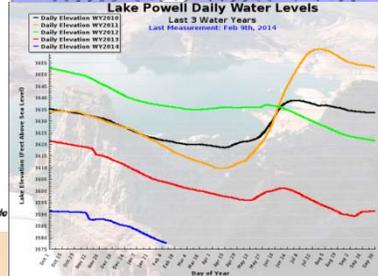
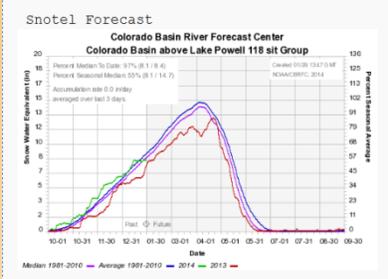
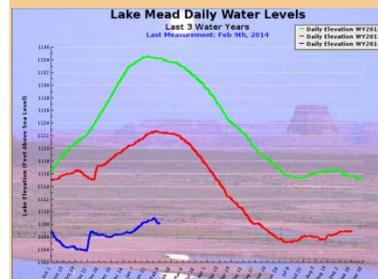
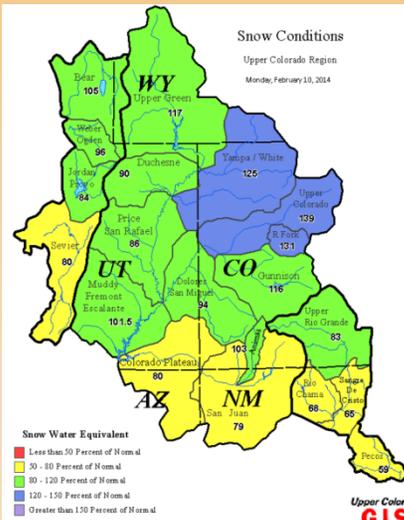
- FAA to Allow More Air Tours at Grand Canyon**
ABC News (07 Feb 14)
<http://abcnews.go.com/Travel/wireStory/faq-air-tours-grand-canyon-22384854>
- Grand Canyon Lottery for 2015 Noncommercial River Trip Permits Opens February 1st**
KCSG.COM (31 Jan 14)
http://www.kcsg.com/view/full_story/24490839/article-Grand-Canyon-Lottery-for-2015-Noncommercial-River-Trip-Permits-Opens-February-1st?instance=more_local_news1
- USGS and Tribes Work Together to Gain Water Knowledge**
USGS- Science Features (23 Jan 14)
http://www.usgs.gov/blogs/features/usgs_top_story/usgs-and-tribes-work-together-to-gain-water-knowledge/?from=textlink
- California governor declares drought emergency**
USA TODAY (21 Jan 14)
<http://www.usatoday.com/story/weather/2014/01/17/california-drought-emergency/4581761/>
- Colorado River Drought Forces a Painful Reckoning for States**
New York Times (06 Jan 14)

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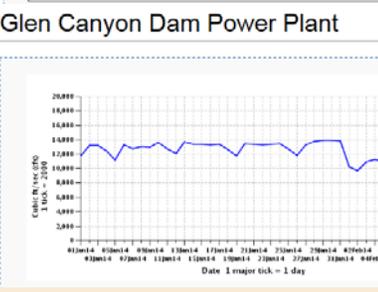
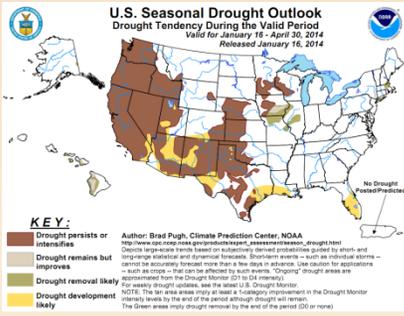
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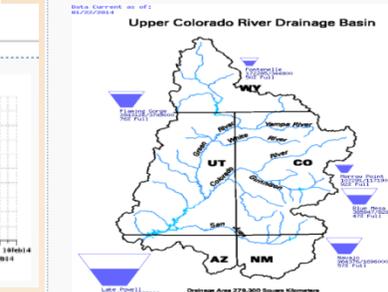


Unit Outage Schedule

Unit Number	Oct 2013	Nov 2013	Dec 2013	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014
1												
2												
3												
4												
5												
6												
7												
8												
Units Available	5	6	6	6	4	5	6	5	6	6	6	5
Capacity (GW)	14,100	17,800	17,800	17,800	12,800	15,300	17,200	15,200	17,800	17,800	14,800	14,800
Capacity (kW/month)	930	1090	1100	1100	710	1000	1040	990	1090	1100	1100	890
Max (kW)	600	600	600	600	600	600	600	600	600	600	600	600
Min (kW)	480	500	600	600	600	600	600	600	600	600	600	600
Min (kW)	480	500	600	600	600	600	600	600	600	600	600	600



Basin Info



- WATER BOR BC00 WaterOps from Jan 16**
- Projected 2014 April-July unregulated inflow Powell is 8.81 MAF or 95% of average.
 - Unregulated Inflows into Lake Powell
 - Jan 280,000 (AF) or 78% of avg (Forecast)
 - Feb 330,000 (AF) or 84% of avg (Forecast)
 - Mar 600,000 (AF) or 90% of avg (Forecast)
 - Snowpack is currently about 96% of median of year. (KGrant_1-9-2014)
 - Avg Water Temp = ___ deg
 - Jan- Monthly Release = 800,000 acre feet
 - Feb- Monthly Release = 600,000 acre feet
 - Mar- Monthly Release = 510,000 acre feet
 - Water Yr Release: 7.48 MAF
 - Water Yr operating tier: Mid-Elevation Rkt
 - HFE Scheduled: No
 - Water Quality: Normal
 - CRSS: Lake Mead level predicted to be 10%
 - Forecasting
 - ___% chance of 8.23 for water yr 2014 (†)
 - ___% chance of 7.48 for water yr 2014 (†)

RECREATION

- Boat Season:** Motorized boats currently NOT allowed on river

FISH

- Recent Fish Rating:** November 11, 2013
 - Upriver: 3.5 to 6
 - Walk-In: 3.5 to 6
 - Spin-Fishing: 5 to 7.5
- Key:** 1 = Go fish somewhere else 10 = Rent a helicopter and get here now!

GUIDING DOCUMENTS

- 2014 is year 2 of 10 for HFE protocol EA (2020)
- 2014 is year 2 of 10 for NN Fish Control EA (2020)
- 2014 is year 1 of 5 for Mexico to store water in U.S. reservoirs – Minute 319

Stakeholder Pages



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Stakeholder Page- Nevada

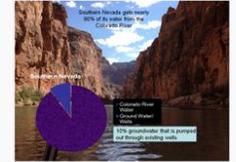
Under Construction

What Should Other Stakeholders Know About US

1. Southern Nevada is 90% contingent on the Colorado River. Our water portfolio is not very diversified.
2. Our community has made significant conservation achievements.
3. Our community lead the nation in population growth for many years.
4. CRC's energy portfolio only consists of 5-7% CRSP/Glen Canyon hydropower--- the majority is Hoover, Parker, Davis power.
5. If the Las Vegas Valley went one year without using any water from Lake Mead, the impact on the reservoir would be a rise of about 3 feet. [Article LINK](#)
6. In Nevada, the Colorado River supports **25,329 jobs** and pumps **\$2 billion into the economy** each year from people spending money on river-related recreation and tourism. Source: LVSUN_Jill Lagan, CEO of the BC chamber of commerce_2013

- **Q:** What is the CRC / SNWA connection? **A:** The CRC is a State authorized agency responsible for securing and protecting Nevada's rights and interests in the Colorado River and in electric power generated by the river. The SNWA is political subdivision of the State of Nevada and is responsible for addressing Southern Nevada's water needs on a regional basis. The CRC and the SNWA work cooperatively to effectively manage Colorado River water resources for the State of Nevada and water users in Southern Nevada.
- **Q:** What environmental programs is CRC involved in? **A:** GCDAMP and the LCMSP.
- **Q:** What are the Nevada Tribal interests in the Program? **A:**
- **Q:** What are the Recreation interests in the Program? **A:**
- **Q:** How many people does the CRC provide water for? Hydropower? **A:**
- [February 2010- AMWG- Stakeholder's Perspective- State of Nevada](#)
- [State of Nevada Link](#)
- [Misconceptions of Nevada Water Use](#)
- [How Nevada got its Shape-- History Channel Video](#)

Southern Nevada's water portfolio



Southern Nevada's water portfolio	So. Nevada Indoor water use	Las Vegas Review Journal- Population Graph	Colorado River Drought- Nevada Perspective- GCAan	100204 CRC- Stakeholder perspective- GCAan	Conservation by year



Page Discussion

Training Page

This page is currently under construction



Administrative History Ad-Hoc Group ONLINE TRAINING COURSES

Learner's Kit/ Handbook

COURSE	TRAINING	Date	TITLE Link	CONTACT Name	Notes
AMP Overview 101	AHAHG	2014-00-00	TBD	TBD	NA
Budget Process 101	AHAHG	2012-00-00	TBD	TBD	NA
Extirpated Species 101	AHAHG	2014-00-00	TBD	TBD	NA
Fish in River	AHAHG	2014-00-00	TBD	TBD	NA
Fish Terminology	AHAHG	2014-00-00	TBD	TBD	NA
Flow Releases Understanding	AHAHG	2014-00-00	TBD	TBD	NA
Food-base 101	AHAHG	2014-00-00	TBD	TBD	NA
Gauges & Water Sampling	AHAHG	2014-00-00	TBD	TBD	NA
GCDAMP Funding 101	AHAHG	2014-00-00	TBD	TBD	NA
Guiding Documents 101	AHAHG	2014-00-00	TBD	TBD	NA
HFE Understanding	AHAHG	2014-00-00	TBD	TBD	NA
Hydropower 101	AHAHG	2014-00-00	TBD	TBD	NA
Locations & Geography	AHAHG	2014-03-07	LINK	Jason	NA
Pre-Dam Comparisons	AHAHG	2014-00-00	TBD	TBD	NA
Recreation 101	AHAHG	2014-00-00	TBD	TBD	NA
River Terminology 101	AHAHG	2014-00-00	TBD	TBD	NA
Socio-Economics 101	AHAHG	2014-00-00	TBD	TBD	NA
Sport Fishery 101	AHAHG	2014-00-00	TBD	TBD	NA
Tribal Perspectives 101	AHAHG	2014-00-00	TBD	TBD	NA
Water Delivery 101	AHAHG	2008-00-00	TBD	TBD	NA
Water Quality 101	AHAHG	2008-00-00	TBD	TBD	NA

On-Line Training

- ✓ Start simple (101 concepts)
- ✓ Links to pics, videos, explanations, insights...etc.
- ✓ Go at your own pace
- ✓ Utilize stakeholder expertise

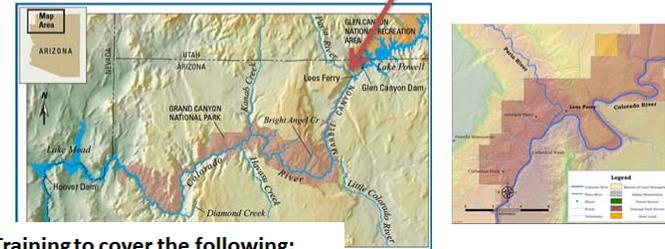


LOCATIONS and GEOGRAPHY DRAFT

AHAHG Course Training

PARIA RIVER

- *The Paria is the single largest contributor of sand, silt, and clay to the Colorado River below Glen Canyon Dam.
- *USGS has 3 river gauges on the Paria
- *Turbid water from Paria carries fine sediments (Silts and clays) that mix with the clear water from the Colorado River mainstem.
- **Ephemeral rivers* are rivers that do not always flow, that is, they dry up
- *with occasional short-duration flood events linked to monsoon activity.



Glen Canyon (-15 RM) to Lees Ferry (0 RM)



(-) NEGATIVE RIVER MILES

*The GCDAMP will often refer to locations on the Colorado River via River Miles (RM) to mark locations.

*Glen Canyon Dam (-15 RM) down to Lees Ferry boat launch (0 RM).

*The Negative River Miles on the CR is unique. "Quite possibly the only river in the world that uses negative river miles."

*In the 1995 Humpback Chub Life History Report (Valdez and Ryel), it referenced a "negative river mile" to mark river locations from Lees Ferry (RM 0). The intent was to avoid confusion with locations downstream of Lees Ferry. Ever since, the negative river miles have remained on books and maps.

cs, the Paria is studied with a variety of methods that include field research, laboratory studies, and modeling.

Course Training to cover the following:

- Overview
- GCDAMP Geographic Scope
- Basin Map—Scope boundary area
- Lake Powell-Glen Canyon Dam
- Lees Ferry- gage- fishery
- Paria River
- Lower Colorado River (LCR) - RM 61-62,
- Havasu Falls
- Bright Angle
- Phantom Ranch
- Tribal lands- Reservations (General locations)
- Upper and Lower Marble Canyon
- Grand Canyon (Upper-middle-lower)
- GCMRC- Flagstaff
- Havasu Creek
- Shinumo Creek
- Diamond Creek
- Pierce Ferry
- Lake Mead- Hoover Dam
- NPS, USFWS, boundaries



POTENTIAL COURSES: Fish History, Guiding Documents, Pre-Dam Conditions, River Terms, Fish Translocations, Tribal Perspectives, HFE Flow Types, etc...

On-Line Training Course

Submit News

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Glen Canyon Dam Adaptive Management Program

STAKEHOLDERS CENTRAL

- SEDIMENT
- FISH
- HYDROPOWER
- CULTURAL
- FOOD BASE
- RECREATION
- ECOSYSTEM
- FISHERY
- EXTIRPATED

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Post News Article

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Submit News Article to Wiki Admins by using the following form.

Title:

Source:

Link/URL:

Description:

Comments to Admin:

Category:

- General
- Sediment
- Fish
- HydroPower
- Cultural
- Food Base
- Recreation
- EcoSystem
- Fishery
- Extirpated
- Science

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GCDAMP- News Articles

Included below are news related articles that reference, or have connectivity to the GCDAMP and the Colorado River system. Any stakeholder who is interested in sharing a news article can do so by using the "upload file" feature on the front page.

Mar 2014

Lees Ferry Fishing Report 3/20/14

Lees Ferry Anglers (24 Mar 14)

http://www.leesferry.com/main/river-reports-2?utm_source=3%2F20%2F14&utm_campaign=Lees+Ferry+Mailing&utm_medium=email

Colorado River to flow south of the border

Fronteras (19 Mar 14)

<http://www.fronterasdesk.org/content/9557/colorado-river-flow-south-border>

Government shutdown cut visits to Lake Mead by 43 percent in October

Las Vegas Review Journal (04 Mar 14)

<http://www.reviewjournal.com/business/government-shutdown-cut-visits-lake-mead-43-percent-october>

Getting to the bottom of Lake Mead's shrinking reputation

Las Vegas Review Journal (03 Mar 14)

<http://www.reviewjournal.com/news/getting-bottom-lake-mead-s-shrinking-reputation>

Feb 2014

Chub comes home

Payson Roundup (25 Feb 14)

<http://www.paysonroundup.com/news/2014/feb/24/chub-comes-home/>

Quagga mussel invasion underway at Lake Powell

SL Tribune (25 Feb 14)

<http://www.sltrib.com/sltrib/news/57596058-78/mussels-lake-powell-canyon.html.csp>

Some good news for endangered Colorado River fish

Summit County News (11 Feb 14)

<http://summitcountyvoice.com/2014/02/09/environment-some-good-news-for-endangered-colorado-river-fish/>

FAA to Allow More Air Tours at Grand Canyon

ABC News (07 Feb 14)

<http://abcnews.go.com/Travel/wireStory/faq-air-tours-grand-canyon-22384854>

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Upload File

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Upload File

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Display list of [Uploaded Files](#).

Submit File to Wiki Admins by using the following form.

Attachment:

permitted file types: png, gif, jpg, jpeg, pdf, xls, xlsx, doc, docx, zip, m4a
maximum file size: 16 MB

Description:

Comments to Admin:

Category:

- General
- Sediment
- Fish
- HydroPower
- Cultural
- Food Base
- Recreation
- EcoSystem
- Fishery
- Extirpated
- Science

Contributor:

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LIBRARY

Concept: searchable features— by date, topic, forum, author, entity



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Library Test



• Revision Date_130729

Num	TITLE	LINK	CATEGORY	YEAR	FORUM	CONTRIBUTOR	TBD	NOTES
000	Correspondence:	LINK	TBD	1997	AMWG			
000	Meeting Minutes:	LINK	Minutes	1997	AMWG			
000	Attachments:	LINK	TBD	1997	AMWG			
000	Agenda:	LINK	Admin	1997	AMWG			
000	AMWG Charter (filed February 4, 1997)	LINK	Guiding Docs	1997	AMWG			
000	List of Attendees	LINK	Admin	1997	AMWG			
000	Regulation of Federal Advisory Groups	LINK	Guiding Docs	1997	AMWG			
000	Federal Register Notice (announcing this meeting)	LINK	Admin	1997	AMWG			
000	Agenda and Sample of Operating Procedures	LINK	Guiding Docs	1997	AMWG			
000	Flow Diagram (showing coordination plan between the AOP and the Annual Report under GCPA)	LINK	TBD	1997	AMWG			
000	Draft Annual Report to Congress Process Outline	LINK	TBD	1997	AMWG			
000	AOP Work Group Scenarios for 1998 Plan of Operation	LINK	TBD	1997	AMWG			



Page [Discussion](#)

News and Events

[2013](#) -----[2012](#) -----[2011](#) ----- [2010](#)----- [2009](#)

2014

- From: USGS (Yackulic, Yard, Korman, and Van Haverbeke)-- Via LWhetton
- Date: 03/06/2014
- Subject: **A quantitative life history of endangered humpback chub that spawn in the Little Colorado River: variation**
- Details: [ABSTRACT](#) and [LINK](#)



- From: USGS (Helen Fairley)-- Via LWhetton
 - Date: 03/05/2014
 - Subject: **Precipitation Variability of the Grand Canyon Region, 1893 through 2009, and Its Implications for Studying Sites in Grand Canyon, Arizona.**
 - Details: [ABSTRACT](#) ---Open File Report <http://pubs.usgs.gov/of/2014/1006/>
-
- From: LWhetton-- Via Randy Van Haverbeke
 - Date: 02/28/2014
 - Subject: **Long-Term Monitoring of an Endangered Desert Fish and Factors Influencing Population Dynamics**
 - Subject: **Mark-Recapture and Fish Monitoring Activities in the LCR in GC from 2000-2013**
 - Details: Links: [LINK Van Haverbeke 2013-- 2013 USFWS FINAL annual Report](#)

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Research Q & A



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GCDAMP- Questions and Answers Page

THIS PAGE IS CURRENTLY UNDER CONSTRUCTION



Research Questions and Information Needs Identified in the 2013-14 Glen Canyon Dam Adaptive Management Program Biennial Budget and Work Plan

- [Revision Date_140212](#)

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Num	Project, Elements, and Sub-elements	Project/Element summary (from 2012-2013 BWP)	Research Questions, Uncertainties, & Information Needs identified in the 2012-13 BWP	Relevant Research Questions & Information Needs identified from:	Project timeline: When will data obtained through this project be able to answer the relevant science questions?	Project funding (FY)	Reporting links	NOTES
000	Project A. Sandbars and Sediment Storage Dynamics: Long-term Monitoring and Research at the Site. Reach, and	Project will evaluate the geomorphology of fine sediment deposits in and near the Colorado River. Supports the direct measurements of the volume of fine sediment especially	"Project will address the broad questions of: (1) Will multiple high flows conducted over a period of years result in net increases in	"How can erosion of sandbars after an HFE be minimized or offset? (IV: Dept. of Interior 2011a) Do sandbars deposited by HFEs contribute to preservation of archaeological sites in the river corridor? (II: Mellis et al. 2007) Is sediment conservation more effective when an HFE is held in rapid response to sediment input from the Paria River? (IV: Dept. of Interior 2011a) What are the effects of ramping rates on sediment transport and sandbar stability? (USGS 2007b; SSQ RIN 4) What is the desired range of seasonal and annual flow dynamics associated with powerplant operations, BHBFs, and habitat maintenance flows, or other flows that meet GCDAMP goals and objectives? (USGS 2007b; RIN 7.4.1) What is the desired pattern of seasonal and annual flow dynamics associated with powerplant operations, BHBFs, HMFs, or other flows to meet GCDAMP Goals and Objectives? (USGS 2007b; RIN 7.4.2) What elements of ROD operations (upramp, downramp, maximum and minimum flow, modified low fluctuating flow (MLFF), habitat maintenance flow (HMF), and BHBF) are most/least critical to conserving new fine-sediment inputs, and stabilizing sediment deposits above the 25,000 cfs stage? (USGS 2007b; RIN 8.5.1) How do sandbar textures influence biological				

- ✓ Forums
- ✓ Ask a scientist

File Message ESET

Ignore X Reply Reply All Forward More

Junk Delete Reply Reply All Forward More

Delete Respond Quick Steps

Move to: ? To Manager

Team E-mail Done

Reply & Delete Create New

This message was sent with High importance.

From: GCDAMP Wiki <noreply@gcdamp.com>

To: GCDAMP Wiki

Cc:

Subject: Recent Changes

GCDAMP Wiki Pages that have been Changed during the Past 7 Days.
 To View these Changes, you can click on the links in the Page Column.
 The Main Page of the Wiki can be found at <http://gcdamp.com>.

Page	Last Modified By	
Quagga	jthiriot	03/25/14 17:31:32
GCDAMP Invasive Species	jthiriot	03/25/14 17:24:33
News and Events	jthiriot	03/25/14 17:24:33
GC-BG-INFO	jthiriot	03/20/14 17:24:33
Stakeholder Page- Nevada	jthiriot	03/24/14 17:24:33
Water Quality Page	jthiriot	03/24/14 17:24:33
CULTURAL	jthiriot	03/24/14 17:24:33
GCDAMP- Programmatic Agreement	MYeatts	03/24/14 17:24:33
GCDAMP- Sand Budget Model	jthiriot	03/20/14 17:24:33
GCDAMP PHOTO GALLERY	Vkartha	03/20/14 17:24:33

Wiki Changes

- ✓ Weekly E-Mail option
- ✓ Recent Additions
- ✓ Automated
- ✓ Links to Change
- ✓ Indicates who

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WIKI Maps & Diagrams

MAPS Gallery
DIAGRAMS

This screenshot shows a collection of maps and diagrams related to the Colorado River Basin. It includes a 'Map of Lower Grand Canyon' and a 'Colorado River Approximate Boundaries' map. The page also features a sidebar with navigation options like 'Main page', 'Recent changes', and 'Random page'.

WIKI Tribal Monitoring Reports

Tribal Ecological Knowledge

Integrating Tribal Ecological Knowledge

"TEK is a cumulative body of knowledge and beliefs, handed down through generations by cultural transmission, about the relationship of living beings (including humans) with one another and with their environment..." - Fikret Berkes

The screenshot displays the 'Tribal Monitoring Reports' page, which focuses on 'Tribal Ecological Knowledge'. It features a blue header with the title and a quote by Fikret Berkes. Below the quote is a small image of a landscape with the text 'Traditional Ecological Knowledge'.

WIKI Calendar

CALENDAR

AMP WIKI CALENDAR

This screenshot shows the 'AMP WIKI CALENDAR' page. It features a calendar grid with a red arrow pointing to a specific date. The page includes a sidebar with navigation options and a header with the title 'CALENDAR'.

WIKI Stakeholder Page

Stakeholder Page

Stakeholder Page: Nevada

The screenshot shows the 'Stakeholder Page: Nevada' page. It contains a list of stakeholders and a sidebar with navigation options. The main content area lists various stakeholders and their roles.

Photo Gallery

This screenshot shows a photo gallery page featuring a group photo of approximately 20 people standing outdoors in a desert-like environment. The photo is the central focus of the page.

FACT SHEETS

Compile/Link the various FACT sheets that stakeholders produce i.e. fact sheets from USGS, NPS, CREDA, Other, etc...

The screenshot displays the 'FACT SHEETS' page, which includes several covers of fact sheets from different organizations like USGS and NPS. The page is designed to compile and link these various documents.

WIKI Stakeholder Lists

GCDAMP Stakeholders List

This screenshot shows the 'GCDAMP Stakeholders List' page. It features a large table with columns for stakeholder names, organizations, and contact information. A red arrow points to a specific entry in the table.

WIKI History Time-Line

GCDAMP History Time-Line

TIME LINE EXAMPLE ONLY--- CRC HISTORY

The Colorado River Commission - Our History
See additional information at the [State of Nevada Library Archives](#)

1920
Governor Boyle appointed an informal Commission on Colorado River Development to safeguard Nevada's interests in ongoing negotiations.

1921
Nevada Legislature formalized the Colorado River Development Commission. Members of the Commission actively participated in the development of the Colorado River Project.

1922
Colorado River water apportionment for the lower basin states of Arizona, California, and Nevada established by the Colorado River Compact Development Commission.

1928
Boulder Canyon Project Act authorized construction of Hoover Dam and the diversion of Lower Basin water apportionment in annual amounts.

1935
Nevada Legislature created the Colorado River Commission of Nevada in place of the Colorado River Development Commission. The new commission was charged with the responsibility of securing and protecting Nevada's rights and interests in the waters of the Colorado River and in electric power generated on the river.

1936

The screenshot shows the 'GCDAMP History Time-Line' page, which provides a detailed chronological account of the Colorado River Commission's history from 1920 to 1936. It includes key legislative and administrative actions.

WIKI Participant History List

GCDAMP Representatives-History

GCDAMP History PAGE

NAME	ORGANIZATION	DATE	ROLE	NOTES	
Steve Moore	USGS	1927	1915-1916	N/A	
Robert A. Winkler	NPS	1928	1916-1917	Operating Procedures signed May 11, 1928	
Steve Moore	USGS	1928	1918	1918-1919	N/A
Bill Parsons	AJCEP	1928	1919-1920	Operating Procedures signed June 21, 1928	
Nick Johnson	USGS	1928	1919-1920	Operating Procedures signed September 7, 1928	
Kurt Doughty	USGS	1928	1919-1920	N/A	
Kurt Doughty	USGS	1928	1919-1920	N/A	
Steve Moore	NPS	1928	1919-1920	N/A	
Steve Moore	NPS	1928	1919-1920	N/A	
Kurt Doughty	CREDA	1928	1919-1920	N/A	
Steve Moore	NPS	1928	1919-1920	N/A	
John Jordan	USGS	1928	1919-1920	N/A	

The screenshot shows the 'Participant History List' page, which contains a table listing GCDAMP representatives from 1927 to 1928. The table includes columns for name, organization, date, role, and notes. A red arrow points to the 'GCDAMP History PAGE' link.

But wait...There's more!

Video Clips

Library

Wiki Library Test

Num	TITLE	LINK	CATEGORY	YEAR	FORUM
000	Assessment of Dam Operations on Reservoir and Reservoir Water Quality	LINK 11	Water Quality	1999	AMWGS
000	Response to Comments on GCDAMP Integrated Water Quality Program (IWQP), Draft of 10-1999	LINK 11	Water Quality	1999	AMWGS
000	Process for Developing an Integrated Water Quality Program	LINK 11	Water Quality	1999	AMWGS
000	Response to Comments on GCDAMP Integrated Water Quality Program (IWQP), Draft of 10-1999	LINK 11	Water Quality	1999	AMWGS
000	Items from AZ Rice Committee on Strategic Planning dated March 25, 2002	LINK 11	Vegetation	2002	AMWGS
000	TWGS Chair Report	LINK 11	TWGS Chair	2006	AMWGS
000	TWGS Chair Report PPT	LINK 11	TWGS Chair	2007	AMWGS
000	TWGS Chair Report on FY08 Budget PPT	LINK 11	TWGS Chair	2007	AMWGS
000	Items: Funding of Tribal Participation in GCDAMP	LINK 11	Tribal	2002	AMWGS
000	Tribal Funding Issues	LINK 11	Tribal	2002	AMWGS
000	Federal Tribal Trust Responsibilities	LINK 11	Tribal	1999	AMWGS
000	Cultural PEP Presentation	LINK 11	Tribal	2000	AMWGS
000	PA for Cultural Resources Activities, FY 2002	LINK 11	Tribal	2001	AMWGS
000	Captive Breeding Statistics	LINK 11	Territorial	2002	AMWGS

John Jordan- BIO PAGE

TWG BIO SUMMARY

- TWG CHAIR**
- John Jordan has been involved in a number of businesses throughout his professional career. He was the owner and Chief Operation Officer of a group of companies that provided temporary medical employment services to metropolitan Phoenix and Tucson. In 1984 the combined businesses were sold the H&R Block Corporation as part of its corporate acquisition and expansion program. As a general partner in two different ventures, he was responsible for land acquisition and supervision of construction progress, project design, engineering, and subdivision approval through the State Department of Real Estate and Gila County. He has also served on various community service entities. "He is a member of the Arizona Fly Casters Club in Phoenix and serves on the Club's Conservation Committee. He belongs to the Federation of Fly Fishers and Trout Unlimited and is familiar with the Lee's Ferry fishery upriver to Glen Canyon Dam. His interests in fish extend beyond fishing and includes all fish in all settings.
- He received a Bachelor's Degree from the University of Michigan in 1965, and his Master's Degree in 1969. He also served as a special agent for the U.S. Army Intelligence Corps from 1965 to 1968.
- Last Updated: ???

Bio Page

John Jordan

News and Events

News and Events-2013

2013 — 2012 — 2011 — 2010 — 2009

2013

- From: Healy, Brian <brian_healy@nps.gov>
- Date: Mon, Dec 9, 2013 at 2:26 PM
- Subject: **HFE Release of Finding of No Significant Impact for the Co**
- Details: Attached is the final, signed copy of the Finding of No Significant Impact for the Co...
- From: Anne Castle - (Sally Jewell)
- To: AMWGS and TWG Members
- Date: December 14, 2013
- Subject: **Recommendations Memo from AS-WS Anne Castle to DOI**
- Details: Attached is a memorandum memorializing the decision of the C3 Interior technical team. The technical team's recommendation memo is i...
- From: Anne Castle - (Via Glen Knowles)
- To: AMWGS and TWG Members
- Date: October 25, 2013
- Subject: **Approval of Recommendation for HFE Release from Glen C**
- Details: Attached is a memorandum memorializing the decision of the C3 Interior technical team. The technical team's recommendation memo is i...
- We are pleased that we have the long term protocol in place given this a...
- We are envisioning a small event at the dam on November 11, not the 5...
- From: (AZ Game & Fish Bill Stewart - Via Linda Whetton)
- Date: October 23, 2013
- Subject: **AZGF Videos: 2012 HFE and LCR Monitoring**

LCR VIDEO LINK

Dashboard

Learning Pages

GCDAMP Learning Page

LEARNER'S KIT — Under Construction

- State of the Colorado River Ecosystem in Grand Canyon- USGS Circular
- 130330 Science Unwrapped - Overview of the Colorado River — PNAS

TCD

- AOP Learning Page
- GTMAX Learning Page
- Hydrograph Learning Page
- TCD Learning Page
- Minute 319 Understanding
- GCDAMP Flow Type Understanding
- Geomorphology Understanding
- Monitoring Understanding
- Invasive Species Learning Page
- Programmatic Agreement Understanding
- Water Quality Page
- Rapid Response Page
- Temperature Page
- NEPA Understanding
- Models used in GCDAMP
- Science Over-Flights/ LIDAR

DFC's

DESIRED FUTURE CONDITIONS PAGE

Before the Adaptive Management Program can measure its success, it must first develop a clear statement of what it is trying to accomplish."

GROUP MEMBERS

- Work in Progress—

ADDITIONAL NOTES

- (AMWG Meeting Minutes_Anne Castle) the DFCs will not supersede the AMP Strategic Plan, but the DFCs may result in action taken by the Secretary.
- (AMWG August-2003_Motion on Information Under Need under Goal 3 (extirpated species) would not be accomplished by the GCMRC or paid for with AMP funds.

Documents and Resources

- Desired Future Conditions- USBR LINK ID
- 130327_USBR-GKnowles_DFC Comparisons
- Desired Resource Goals/Strategic Plan GCDAMP August

List of DFC GOALS

- Protect or improve the aquatic food base so that it supports populations of desired species at higher trophic levels.

Rafting Q&A

Date Source: Sam Jensen, April 25, 2013 Also refer to Links in the Introduction: [White-water rafting](#) & [Granite Gorge- Sam Jensen](#)

Recreation and the AMP: Grand Canyon River Running

- OVERVIEW** A river trip through the Grand Canyon is a unique and special experience. It can be a life-changing event, full of grandeur, wonder, new challenges, profound encounters and tiny moments of joy. It's a time of self exploration and bonding with family and friends. Those who haven't yet had the chance to float the river first hand often have a number of questions about what it's like, and why we should care so much about taking care of the place. The tried to answer a few of those questions here.
- QUESTION: How many people raft down the river per year?**
About 22,000 people travel the Colorado River through the Grand Canyon each year. About half of these travelers go on commercial trips, and about half on private trips. A commercial trip is one where an outfitter is hired, and the outfitter provides professional guides, food, boats, and all the other necessities. A private trip is a shared expense, do-it-yourself expedition. River access is controlled by the National Park Service. Private trip permits are given out through a "weighted lottery." The past practice used to use a straw-forward, first come first serve waiting list, but that list grew to be more than 12 years long. There are sixteen commercial river outfitters listed on the Grand Canyon River Outfitters Association web page. They offer trip lengths from 2 to 18 days, with a variety of motor, car, and paddle powered craft to choose from.
- QUESTION: What's the history of river running in the Grand Canyon?**
River runners in the canyon tend to think of John Wesley Powell as the man who started it all. He and his crew of nine ran the first (known) river trip through the canyon in 1869. This was a government sponsored trip of science and exploration. The Grand Canyon was the last big patch of uncharted, unpopulated land in the US 48 states. Powell and his men actually ran from the headwaters of the Colorado River in Wyoming all the way through the Grand Canyon. For the most part, after an early disaster, they ran very low rapids—instead, they hid or portaged them. The slow pace and strenuous labor were hard on both morale and supplies. By the end of their trip the men were living on bacon, dried apples, and moldy flour, washed down with copious amounts of strong coffee. Norm Neville pioneered commercial rafting in the canyon in the 1930s. He used cataraft boats, small wooden craft designed for moving through white-water. In the 1950s, Georgia White built the first G-rig, a 33 foot long motor boat built from

SEDIMENT

FISH

HYDROPOWER

CULTURAL

FOOD BASE

RECREATION

ECOSYSTEM

FISHERY

EXTIRPATED

Resource Portals

Plus more...

How Can I Help?



Dive In... Take ownership in knowing that this is a collaborative product

- Take it for a drive. Use it.**
- Submit a stakeholder page- tell what other stakeholders should know about your agency
- Upload insights, graphs, maps, photos, etc...
- Submit a short bio on yourself
- Provide feedback to the on-line training courses
- Document the chronology of your agencies representatives
- Get the history time-line of who represented your agency (names and dates)
- Report broken links, errors, updates
- Submit news articles
- Make constructive contributions on a specific page
- Be a contributor, make a difference!



Questions?

www.GCDAMP.com

www.GCDAMP.com

DEATH BY POWERPOINT

