

# GCD AMP Administrative History Project

Principle Investigator: Dr. Paul Hirt

Co-Investigators: Dr. Joshua MacFadyen

Dr. Mark Tebeau

Staff: Kristine Navarro-McElhaney

Jennifer Sweeney



# Summary Accomplishments to Date

- **Oral history interviews:** created interviewee list and conducted five interviews (Stevens, Orton, Barrett, Wegner, Potochnik)
- Developed a **protocol** for processing, archiving, and curating the interviews
- Prepared a **website wireframe** and database framework for administrative history website

# Goals for 2018

- Ten more oral history interviews conducted and processed
- Website architecture fully developed
- Begin archiving documents, photos, objects
- Write first draft of administrative history (July 2018-May 2019)

# Oral History Interviews: Purposes

- Record and preserve the institutional memory of GCDAMP founders and leaders
- Capture the depth and breadth of GCDAMP research, decisions, and operations
- Document the management options considered and explore why they were implemented or rejected
- Evaluate GCDAMP successes and failures to help evaluate and set priorities for future funding

# Oral History Interviews: Methods

- Video versus audio only - pros & cons (preferences?)
- Interview questions (14 questions, 2-3 hours)
- Processing:
  - Transcripts
  - Timestamped annotations

# Oral History Annotation

	A	B
1	Code	
2	Subject	Larry Stevens
3	Date	2/6/2017
4	Interviewer	Paul Hirt
5	Annotator	Jennifer Sweeney
6	Project	Glen Canyon Dam Adaptive Management Program (GCDAMP) Administrative History Lawrence E. "Larry" Stevens has been researching the Colorado River in Grand Canyon as a biologist and ecologist since 1974. He has been professionally involved with the National Park Service, the U.S. Department of the Interior, and the Grand Canyon Monitoring and Research Center. He is Senior Ecologist for the Grand Canyon Wildlands Council, through which he is actively involved in the Glen Canyon Adaptive Management Program. A "commercial river runner and a Grand Canyon devotee," Stevens also directs the Springs Stewardship Institute at the Museum of Northern Arizona.
7	Notes	
8	Minutes	
9		Q: History of involvement with GCDAMP. A: Stevens began doing research on Glen Canyon dam's effects on riparian vegetation in 1980, when he was a graduate student. Predecessor to GCDAMP, the Glen Canyon Environmental Studies (GCES) program, began in 1982.
10		More work and volunteer history: National Park Service (NPS), Department of the Interior (DOI), GCDAMP.
11		Q: What research did you work on? What are the insights or results? A: 20 years' research on dam effects on riparian vegetation and how river affects shoreline habitat.
12		Flow regulation in relation to shoreline habitats and their effect on species. Became interested in endangered species while working as an ecologist for NPS.
13		Had \$3 million/year budget and nine research teams at one point, researching everything from river morphology to the tiny kanab ambersnail. Worked with both academics and policymakers to determine effects of dam on the river.
14		Came to understand that "river systems are really fed by small patches of the environment." Tributary mouths are important to fish spawning, springs are "hotspots of biological activity." Now runs Springs Stewardship Institute at Museum of Northern Arizona. Q: What were the larger purposes of some of those studies; what was the reason for doing research on impacts of the dam?
15		A: Stevens says, "behind this, I'm also a commercial river runner and a Grand Canyon devotee." He is inspired by landscape, love of the land. Stevens says, "the impact of the dam on this largely wilderness landscape is just really very intriguing because it's such a social circus. So many voices, so many perspectives . . . it's become the most intensively studied river on Earth." All of these differing worldviews result in a "marvelous social environment" that Stevens seems happy to be involved with.

- Interview information and short biography
- Content paraphrased minute by minute
- Compelling passages quoted
- Easy to understand what is covered and to find more information in full transcript or on recording
- COMMENTS?

# Oral History Interviewees

- Completed as of December 2017:
  - Larry Stevens (Flagstaff)
  - Mary Orton (Bend, OR)
  - Clifford Barrett (Salt Lake City)
  - David Wegner (Tucson)
  - Andre Potochnik (Flagstaff)

# Oral History Interviewees

- To be completed Feb-Sept 2018:
  - Bruce Babbitt (Washington DC)
  - Anne Castle (Denver)
  - Kerry Christensen (Peach Springs)
  - Kurt Dongoske (Zuni)
  - Dave Garrett (Grand Junction)
  - Leigh Kuwanwisiwma (Hopi Mesa)
  - Randy Peterson (Salt Lake City)
  - Jack Schmidt (Logan, UT)
  - Michael Yeatts (Flagstaff)
  - Carl Walters (Vancouver, BC)



# Oral History Interviewees

- Prospects for 2019-2020 (Suggestions?):
  - Lori Caramanian
  - Steve Carothers
  - Dennis Kubly
  - Serena Mankiller
  - Clayton Palmer
  - Randy Seaholm
  - Rich Valdez
  - Jan Balsom
  - Wayne Cook
  - Steve Carothers
  - Rick Johnson

# Website Goals

- Present a clear and interesting history of GCDAMP
- Archive and preserve supporting documents of the administrative history
- Provide a portal for future research including:
  - Metadata
  - Discoverability
  - Search

# A Robust Website Solution

- Procured and installed a content management system: *Islandora*
- Islandora's key components:
  - Presentation: Drupal (leading open source CMS)
  - Discovery: Solr Search (full-text, filtered & scalable)
  - Preservation: Fedora Commons (built for long term data accessibility, at any scale, any file type)
- It meets our archive, search & exhibit goals

# GCDAMP on Islandora, Early Views

[About this site](#) [Browse Repository](#) [Log In](#) [My Bookmarks](#)

## The Glen Canyon Dam Adaptive Management Project

[GlenCanyonDamAdaptiveManagement.org](http://GlenCanyonDamAdaptiveManagement.org)

### About

[What Is GCDAMP?](#)

### Archives

[Islandora](#)

### History

[GCDAMP Origins](#)

### People

[GCDAMP Stakeholders](#)

### Places

[Glen Canyon](#)

### Search Menu

[Q](#)

## Welcome to our Digital Archive

This website hosts an administrative history of the Glen Canyon Dam Adaptive Management Program (GCDAMP) including the Adaptive Management Work Group (AMWG), Technical Work Group (TWG), the U.S. Geological Survey's Grand Canyon Monitoring and Research Office (GCMRC), and the Bureau of Reclamation's Glen Canyon Environmental Studies Program (GCES).

The US government created the program in 1995 as a means to implement the Grand Canyon Protection Act of 1992. It is designed to ensure that Glen Canyon Dam is operated in compliance with a range of laws and regulations and to mitigate any significant environmental impacts of the dam on downstream natural and cultural resources along the Colorado River and the Grand Canyon. This program is considered to be one of the most successful examples of adaptive management in the nation.

The GCDAMP is comprised of a variety of stakeholders with disparate interests. They range from federal and state agencies, Native American Indian Tribes, the Colorado River Basin States, electrical utility consortia, recreational groups, and environmental groups. The Adaptive Management Work Group and its smaller Technical Work Group work by consensus and strive for balance in making recommendations to the federal government regarding the operation of Glen Canyon Dam and the protection of downstream resources.



**Glen Canyon Dam Adaptive  
Management Program**

# GCDAMP on Islandora, Early Views

[About this site](#) [Browse Repository](#) [Log In](#) [My Bookmarks](#)

The Glen Canyon Dam Adaptive Management Project  
[GlenCanyonDamAdaptiveManagement.org](http://GlenCanyonDamAdaptiveManagement.org)

[Home](#) > [Islandora](#) >

Created date

2018 - 2019

(3)  

## PDF Collection



1 to 3 of 3 Objects



Sort By:



[AMWG Charter  
Original 1997](#)



[AMWG Charter  
Renewal 2015](#)



[ROD on Operation  
of Glen Canyon  
Dam EIS 1996](#)

# GCDAMP on Islandora, Early Views

The Glen Canyon Dam Adaptive Management Project

[GlenCanyonDamAdaptiveManagement.org](http://GlenCanyonDamAdaptiveManagement.org)

[Home](#) > [Modified AND EIS](#) (x) >

## Search results

Field

*Catch all fields* ⇅

Search terms

Modified



AND ⇅

Field

*Title* ⇅

Search terms

EIS



Search

1 to 1 of 1 Objects



Sort By:



[ROD on Operation of Glen  
Canyon Dam EIS 1996](#)

# GCDAMP on Islandora, Early Views

[About this site](#) [Browse Repository](#) [Log In](#) [My Bookmarks](#)

## The Glen Canyon Dam Adaptive Management Project

[GlenCanyonDamAdaptiveManagement.org](http://GlenCanyonDamAdaptiveManagement.org)

[Home](#) > [Islandora](#) > [Basic Image Collection](#) >

### Jackass before 2016 HFE



Jackass Creek Sandbar before the November 7-12, 2016 High Flow Event. Jackass Creek Sandbar is located at River Mile 8.1, left bank (RM 8.1L). This image accompanied the 2016 HFE Sandbar Tour created by the GCMRC of the USGS. A GIS before & after photography tour features this graphic.  
<https://grandcanyon.usgs.gov/gisapps/sandbartour2016/index.html?>



# GCDAMP on Islandora, Early Views



## In collections

- [Basic Image Collection](#)

### Details

<b>Title</b>	Jackass before 2016 HFE
<b>Subtitle</b>	RM 8.1L before 2016 High Flow
<b>Corporate Name(s)</b>	USGS
<b>Type of Resource</b>	still image
<b>Date Issued</b>	2016-11-06T00:00:00Z
<b>Description</b>	Jackass Creek Sandbar before the November 7-12, 2016 High Flow Event. Jackass Creek Sandbar is located at River Mile 8.1, left bank (RM 8.1L). This image accompanied the 2016 HFE Sandbar Tour created by the GCMRC of the USGS. A GIS before & after photography tour features this graphic. <a href="https://grandcanyon.usgs.gov/gisapps/sandbartour2016/index.html?">https://grandcanyon.usgs.gov/gisapps/sandbartour2016/index.html?</a>
<b>Identifier (local)</b>	<a href="https://grandcanyon.usgs.gov/photos/HFE/hfe2016/RC0081La_20161106_1158.JPG">https://grandcanyon.usgs.gov/photos/HFE/hfe2016/RC0081La_20161106_1158.JPG</a>
<b>Form</b>	nonprojected graphic
<b>Topical Subject(s)</b>	HFE Colorado River Flow Riparian Vegetation Sandbar
<b>Geographical Subject(s)</b>	Colorado River Mile 8.1
<b>Temporal Subject(s)</b>	2010s