

Brief Review of Historical Documents of Interest and How to Find Them

October TWG Meeting

Craig Ellsworth

October 29, 2024



2016 LTEMP ROD

6.1 Glen Canyon Dam Adaptive Management Program (GCDAMP)

c. The GCDAMP Guiding Documents

The DOI will work in consultation with the AMWG to update GCDAMP guiding documents (e.g., GCDAMP strategic plan, vision, mission, and charters) to reflect and be fully aligned with the goals and objectives in Section I.4 of the LTEMP FEIS will be carried forward as the goals in the GCDAMP guiding documents. Processes and documents will be evaluated and streamlined or combined as necessary. The DOI, in consultation with the AMWG, will develop monitoring metrics for the goals and objectives using those in Appendix C of the FEIS as a starting point.

https://ltempeis.anl.gov/documents/docs/LTEMP_ROD.pdf



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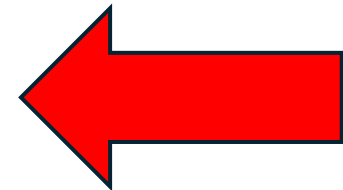
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Glen Canyon Dam Adaptive Management Program (GCDAMP) WIKI

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- [Grand Canyon Protection Act of 1992](#)
- [Administrative History](#)
- [Guiding Documents](#)
- [Budget and Work Plans](#)
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GCDAMP Guiding Documents

Long-term Experimental and Management Plan (LTEMP) (2016)

- LTEMP Science Plan

Guiding Documents:

- GCDAMP Strategic Plan (AMPSP) (2001)
 - Vision and Mission
 - Desired Resource Conditions and Goals
 - Information Needs
- Strategic Science Plan (SSP) (2007-2011)
 - Priority Questions and Strategic Science Questions
 - Critical Research and Monitoring Needs
- Monitoring and Research Plan (MRP) (2007-2011)
 - 5-year monitoring and research program
 - Core monitoring activities
 - Research and development activities
 - Long-term experimental activities
- Core Monitoring Plan (2011 draft)
 - Consistent, long-term, repeated measurements
 - Prioritization
- Triennial Budget and Work Plan (AWP/BWP/TWP)
 - Scope
 - Objectives
 - Budget

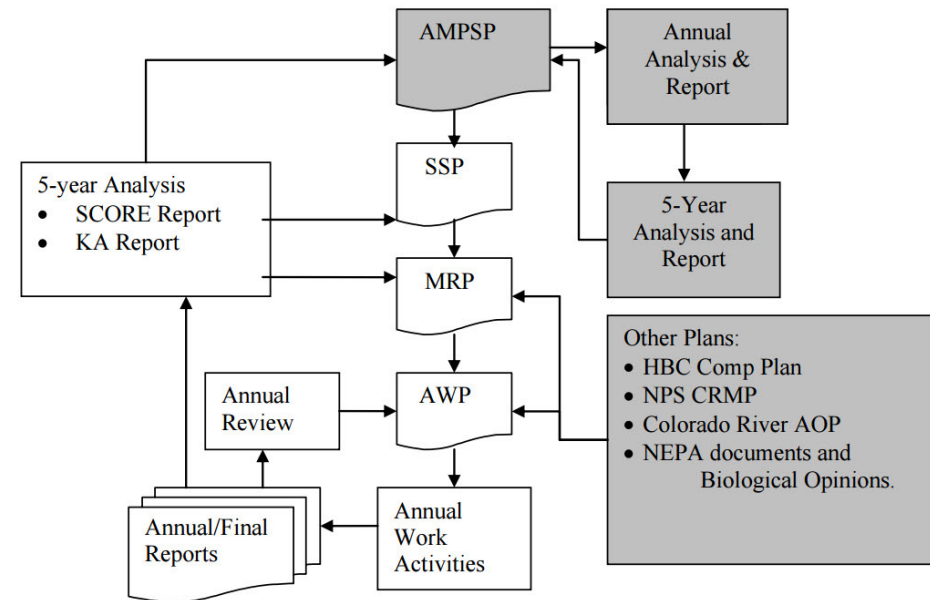


Figure 2. Collaborative science planning and implementation process. The Glen Canyon Dam Adaptive Management Program and the U.S. Department of the Interior have lead responsibility for the shaded boxes. The Grand Canyon Monitoring and Research Center has lead responsibility for the boxes that are not shaded.

Vision and Mission

The combined Vision and Mission statement reads as follows:

- The Grand Canyon is a homeland for some, sacred to many, and a national treasure for all. In honor of past generations, and on behalf of those of the present and future, we envision an ecosystem where the resources and natural processes are in harmony under a stewardship worthy of the Grand Canyon.
- We advise the Secretary of the Interior on how best to protect, mitigate adverse impacts to, and improve the integrity of the Colorado River ecosystem affected by Glen Canyon Dam, including natural biological diversity (emphasizing native biodiversity), traditional cultural properties' spiritual values, and cultural, physical, and recreational resources through the operation of Glen Canyon Dam and other means.
- We do so in keeping with the federal trust responsibilities to Indian tribes, in compliance with applicable federal, state, and tribal laws, including the water delivery obligations of the Law of the River, and with due consideration to the economic value of power resources.
- This will be accomplished through our long-term partnership utilizing the best available scientific and other information through an adaptive ecosystem management process.

https://gcdamp.com/index.php/GCDAMP_Planning



Five Priority Questions

In August 2004, the AMWG reviewed these goals and identified five priority questions to help guide the GCDAMP science program:

- Why are the humpback chub not thriving, and what can we do about it? How many humpback chub are there and how are they doing?
- Which cultural resources, including traditional cultural properties, are within the area of potential effect, which should we treat, and how do we best protect them? What is the status and trends of cultural resources and what are the agents of deterioration?
- What is the best flow regime?
- What is the impact of sediment loss and what should we do about it?
- What will happen when a temperature control device is tested or implemented? How should it be operated? Are safeguards needed for management?

The GCMRC will use these five priority questions as the primary, but not exclusive, basis for designing the science program.

https://gcdamp.com/index.php/GCDAMP_Planning



GCDAMP Charter

In order to comply with the consultation requirement of the Act, the Glen Canyon Dam EIS recommended formation of a Federal Advisory Committee. To fulfill this recommendation, the Glen Canyon Dam Adaptive Management Work Group (AMWG) was established. The AMWG Charter imposes the following criteria:

- (1) the AMWG shall operate under the Federal Advisory Committee Act (Public Law 92-463);
- (2) the Chairperson shall be designated by the Secretary;
- (3) the Secretary's Designee, shall also serve as the Designated Federal Official under the Federal Advisory Committee Act;
- (4) the Bureau of Reclamation will provide the necessary support in taking accurate minutes of each meeting; and
- (5) the AMWG shall continue in operation until terminated or renewed by the Secretary of the Interior under the Federal Advisory Committee Act.

[https://gcdamp.com/index.php/Adaptive_Management_Work_Group_\(AMWG\)](https://gcdamp.com/index.php/Adaptive_Management_Work_Group_(AMWG))

U.S. Department of the Interior Bureau of Reclamation

Glen Canyon Dam Adaptive Management Work Group

CHARTER

1. **Committee's Official Designation.** Glen Canyon Dam Adaptive Management Work Group (AMWG).
2. **Authority.** The Grand Canyon Protection Act (Act) of October 30, 1992, Public Law 102-575; Federal Advisory Committee Act (FACA), as amended, 5 U.S.C. Ch. 10.
3. **Objectives and Scope of Activities.** The Glen Canyon Dam Adaptive Management Program (AMP) provides for monitoring the results of the operating criteria and plans adopted by the Secretary of the Interior (Secretary), and for research and studies to suggest appropriate changes to those plans and operating criteria.

The AMP includes the AMWG. The AMWG provides advice and recommendations to the Secretary relative to the operation of Glen Canyon Dam. The Secretary's Designee is the Assistant Secretary for Water and Science or an alternate designee who serves as the Chair. The AMWG recommends suitable monitoring and research programs and makes recommendations to the Secretary. The AMWG may recommend research and monitoring proposals outside the Act which complement the AMP process, but such proposals will be funded separately, and shall not deter from the focus of the Act.

Under Section 1802(a) of the Act, "[t]he Secretary shall operate Glen Canyon Dam in accordance with the additional criteria and operating plans specified in Section 1804 [of the Act] and exercise other authorities under existing law in such a manner as to protect, mitigate adverse impacts to, and improve the values for which Grand Canyon National Park and Glen Canyon National Recreation Area were established, including but not limited to, natural and cultural resources and visitor use." Under Section 1802(b) of the Act, "[t]he Secretary shall implement this section [of the Act] in a manner fully consistent with and subject to the Colorado River Compact, the Upper Colorado River Basin Compact, the Water Treaty of 1944 with Mexico, the decree of the Supreme Court in *Arizona v. California*, and the provisions of the Colorado River Storage Project Act of 1956 and the Colorado River Basin Project Act of 1968 that govern allocation, appropriation, development, and exportation of the waters of the Colorado River basin."

4. **Description of Duties.** The duties or roles and functions of the AMWG are in an advisory capacity only and all tasking shall be directed by the Designated Federal Officer (DFO). They are, as applicable, to:
 - a. Establish AMWG operating procedures.
 - b. Advise the Secretary in meeting environmental and cultural commitments including

Operating Procedures

AMWG Operating Procedures

<https://www.usbr.gov/uc/progact/amp/pdfs/OpProced020911.pdf>

TWG Operating Procedures

https://www.usbr.gov/uc/progact/amp/twg/2013-06-26-twg-meeting/Attach_02c.pdf



Craig Ellsworth
ellsworth@wapa.gov
385-228-3994



www.wapa.gov