

Glen Canyon Dam Adaptive Management Program Adaptive Management Work Group Meeting, August 18-19, 2021

Wednesday, August 18, 2021

Day 1 Webinar Information:

<https://rec.webex.com/rec/j.php?MTID=md09fda69eaf69ab35603d64093a020cd>

Telephone: 415-527-5035 Meeting Number: 199 214 8505 Password: Aug18

FINAL AGENDA

START TIME ¹ (Duration)	Wednesday, August 18, 2021 Topic and Presenter and Purpose ²
8:30 PDT/ 9:30 MDT (:45)	<p>Welcome and Administrative Updates: Wayne Pullan, Secretary’s Designee to the Adaptive Management Work Group (AMWG) and Mike Harty, Facilitator to the AMWG</p> <ul style="list-style-type: none"> ▪ Webinar Protocols ▪ Introductions and Determination of Quorum (13 members) ▪ Approval of May 19, 2021 Meeting Minutes ▪ Administrative Updates <ul style="list-style-type: none"> ○ Summary of May Meeting Evaluation ○ Nominations and Reappointments ○ Action Item Tracking Report <p><u>Additional Information:</u> 1) May Meeting Minutes 2) May Meeting Evaluation 3) Member Status Summary 4) Meeting Packet - Action Item Tracking Report</p>
9:15 PDT/ 10:15 MDT (:15)	<p>Review of Colorado River Operations Agreements</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) <p><u>Additional Information:</u> 1) 2007 Interim Guidelines and Review 2) Long-Term Experimental and Management Plan 3) Drought Operations Agreement</p> <p><u>Purpose:</u> To provide context for the operations and hydrology update, this presentation will briefly review statutory obligations (Law of the River), Records of Decision (Interim Guidelines, LTEMP), and other agreements (DROA) relevant to the operations of Glen Canyon Dam.</p>
9:30 PDT/ 10:30 MDT (1:00)	<p>Basin Hydrology, Water Quality, and Operations: Heather Patno, Hydraulic Engineer, Bureau of Reclamation</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (30 minutes) <p><u>Additional Information:</u> 1) 24-Month Study 2) 5-Year Projections 3) News Release: 5-Year Projections 4) News Release: Drought Operations</p> <p><u>Purpose:</u> To increase understanding of water supply, forecasted hydrologic conditions, and projected reservoir conditions and operations for the current and upcoming water years.</p>
10:30 PDT/ 11:30 MDT (:15)	BREAK

START TIME ¹ (Duration)	Wednesday, August 18, 2021 Topic and Presenter and Purpose ²
10:45 PDT/ 11:45 MDT (1:00)	<p>Panel Discussion—Federal Agency Leaders Discuss Drought</p> <ul style="list-style-type: none"> ▪ NPS: Billy Shott, Glen Canyon National Recreation Area, Superintendent ▪ NPS: Rob Billerbeck, Colorado River Coordinator ▪ Reclamation: Katrina Grantz, Upper Colorado Basin, Assistant Regional Director ▪ USFWS: Jess Newton, Arizona Fish and Wildlife Conservation Office, Project Leader ▪ USGS: Michael Chotkowski, Interior Region 8, Science Coordinator ▪ WAPA: Tim Vigil, CRSP Management Center, Senior Vice President and Manager <p><u>Purpose:</u> Leadership from federal agencies will describe drought impacts and their focus for agency preparation and potential response. A structured Q&A session may also be included.</p>
11:45 PDT/ 12:45 MDT (1:00)	<p>Listening LUNCH</p> <p><u>Optional:</u> Non-federal AMWG members are invited to stay on the line to share comments, concerns, and suggestions related to drought impacts and response; remarks should focus on the Glen Canyon Dam Adaptive Management Program. Federal AMWG members and managers will be present to listen and receive comments. Session to be facilitated by Kearns and West.</p>
12:45 PDT/ 1:45 MDT (:30)	<p>Tribal Partners Report</p> <ul style="list-style-type: none"> ▪ Presentation (20 minutes) ▪ Q&A and discussion (10 minutes) <p><u>Purpose:</u> To report on the GCDAMP Partner Tribes’ activities and meetings as well as Tribal concerns, challenges, and accomplishments.</p>
1:15 PDT/ 2:15 MDT (:45)	<p>Basin Fund Status and Long-term Funding Considerations for Hydropower Revenues and Appropriations: Brian Sadler, CRSP Administrative and Technical Services Manager, Western Area Power Administration and Kathleen Callister, Resources Management Division Manager, Bureau of Reclamation</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Discussion (15 minutes) <p><u>Additional Information:</u> 1) FY22 President’s Budget - Reclamation 2) House – E&W Development Bill 3) Senate – E&W Development Bill</p> <p><u>Purpose:</u> To provide information regarding long-term funding uncertainties and important considerations for various potential funding sources.</p>
2:00 PDT/ 3:00 MDT (:15)	<p>BREAK</p>
2:15 PDT/ 3:15 MDT (:30)	<p>FY 2022 Budget and Work Plan: Seth Shanahan, Technical Work Group Chair; Lee Traynham, Adaptive Management Group Chief, Bureau of Reclamation; and Michael Moran, Acting Chief, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes)

<p>START TIME ¹ (Duration)</p>	<p>Wednesday, August 18, 2021 Topic and Presenter and Purpose²</p>
	<p><u>Additional Information:</u> 1) BAHG Recommendation 2) FY22 Draft Reclamation Budget 3) FY22 Draft GCMRC Budget <u>Purpose:</u> To inform a recommendation to the Secretary of the Interior regarding the FY 2022 Glen Canyon Dam Adaptive Management Program (GCDAMP) budget and work plan.</p>
<p>2:45 PDT/ 3:45 MDT (1:00)</p>	<p>FY 2022 Budget and Work Plan Recommendation: Facilitated by Mike Harty, Kearns and West, Inc.</p> <ul style="list-style-type: none"> ▪ Q&A, discussion, and action (60 minutes) <p><u>Additional Information:</u> 1) Recommendation by the TWG (06/16/2021) <u>Purpose:</u> To finalize a recommendation to the Secretary of the Interior regarding the FY 2022 Glen Canyon Dam Adaptive Management Program (GCDAMP) budget and work plan.</p>
<p>3:45 PDT/ 4:45 MDT (:15)</p>	<p>Public Comment</p>
<p>4:00 PDT/ 5:00 MDT</p>	<p>ADJOURN FOR THE DAY</p>

¹ Every effort will be made to adhere to the schedule and agenda, but on occasion, for unforeseen reasons, some modifications may occur.

² Action may be by consensus or a vote; and either may be a recommendation to the Secretary of the Interior or feedback to presenter(s) or to subordinate groups.

**Glen Canyon Dam Adaptive Management Program
Adaptive Management Work Group Meeting, August 18-19, 2021**

Thursday, August 19, 2021

Day 2 Webinar Information:

<https://rec.webex.com/rec/j.php?MTID=m63d00c2f63fba06314755725a036dca5>

Telephone: 415-527-5035 Meeting Number: 199 081 2526 Password: Aug19

FINAL AGENDA

START TIME ¹ (Duration)	Thursday, August 19, 2021 Topic, Presenter, and Purpose ²
8:30 PDT/ 9:30 MDT (:15)	<p>Welcome and Administrative: Wayne Pullan, Secretary’s Designee to the Adaptive Management Work Group (AMWG) and Mike Harty, Facilitator to the AMWG</p> <ul style="list-style-type: none"> ▪ Introductions and Determination of Quorum (13 members) ▪ Revisit any outstanding items from the previous day
8:45 PDT/ 9:45 MDT (:30)	<p>Federal Agency Updates (2-3 minutes each):</p> <ul style="list-style-type: none"> ▪ WAPA: Glen Canyon Dam Emergency Exception Criteria ▪ FWS: Humpback chub, Razorback sucker, K. ambersnail ESA status ▪ NPS: Non-native Aquatic Species Management Plan ▪ DOI Solicitor’s Office: LTEMP Litigation ▪ BIA, GCMRC, Reclamation ▪ Additional Items <p><u>Additional Information:</u> 1) News Release: GCD Summer Ops 2) FRN Humpback chub 3) FRN Kanab ambersnail 4) FRN Razorback sucker 5) NPS Expanded Management Plan</p> <p><u>Purpose:</u> To share updates regarding current stakeholder activities on the Colorado River that are pertinent to the GCDAMP.</p>
9:15 PDT/ 10:15 MDT (:30)	<p>Proposed Rule for Downlisting Razorback Sucker: Julie Stahl, Deputy Director, Upper Colorado River Endangered Fish Recovery Program and Kevin McAbee, Fish Biologist, U.S. Fish and Wildlife Service</p> <ul style="list-style-type: none"> ▪ Presentation (20 minutes) ▪ Q&A and discussion (10 minutes) <p><u>Additional Information:</u> 1) FRN Razorback sucker</p> <p><u>Purpose:</u> To share information about the recently published 4(d) rule for the proposed downlisting of razorback sucker.</p>

START TIME ¹ (Duration)	Thursday, August 19, 2021 Topic, Presenter, and Purpose ²
9:45 PDT/ 10:45 MDT (:30)	<p>Stakeholder Updates (2-3 minutes each):</p> <ul style="list-style-type: none"> ▪ States: AZDWR, AZGFD, CA, CO, NM, NV, UT, WY ▪ Tribes: Hopi, Hualapai, Navajo Nation, Pueblo of Zuni, Southern Paiute ▪ NGOs: Environmental (x2), Federal Power Purchasers (x2), Recreation (x2) <p><u>Purpose:</u> To share updates regarding current stakeholder activities on the Colorado River that are pertinent to the GCDAMP.</p>
10:15 PDT/ 11:15 MDT (:15)	BREAK
10:30 PDT/ 11:30 MDT (:45)	<p>LTEMP Experiments Considered & Implemented for WY 2021 and WY 2022: Lee Traynham, Adaptive Management Group Chief, Bureau of Reclamation and Michael Moran, Acting Chief, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> ▪ Presentation (20 minutes) ▪ Q&A and discussion (25 minutes) <p><u>Purpose:</u> To review the process and update AMWG members on LTEMP experiments that have been and may be conducted in 2021 and 2022.</p>
11:15 PDT/ 12:15 MDT (1:30)	LUNCH
12:45 PDT/ 1:45 MDT (:45)	<p>GCMRC Science Updates: Michael Moran, Acting Chief and Ted Kennedy, Research Ecologist, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (15 minutes) <p><u>Purpose:</u> Bring AMWG members current with the latest research and selected monitoring results from GCMRC.</p>
1:30 PDT/ 2:30 MDT (:30)	<p>Technical Work Group Chair Report: Seth Shanahan, Technical Work Group Chair</p> <ul style="list-style-type: none"> ▪ Presentation (20 minutes) ▪ Q&A, discussion (10 minutes) <p><u>Purpose:</u> To update AMWG members on current TWG and ad hoc group activities.</p>
2:00 PDT/ 3:00 MDT (:15)	BREAK

START TIME ¹ (Duration)	Thursday, August 19, 2021 Topic, Presenter, and Purpose ²
2:15 PDT/ 3:15 MDT (:30)	<p>GCDAMP Monitoring Metrics: Helen Fairley, Social Scientist and Michael Moran, Acting Chief, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> ▪ Presentation (10 minutes) ▪ Discussion (20 minutes) <p><u>Additional Information:</u> 1) Monitoring Metrics Draft Plan 2) June TWG Presentation <u>Purpose:</u> To provide information regarding an LTEMP ROD action item and to solicit feedback from the AMWG regarding the proposed approach, objectives, and timeline.</p>
2:45 PDT/ 3:45 MDT (:10)	<p>Public Comment</p>
2:55 PDT/ 3:55 MDT (:05)	<p>WRAP-UP: Wayne Pullan, Secretary’s Designee to the Adaptive Management Work Group</p> <ul style="list-style-type: none"> ▪ Service Recognition ▪ FY2022 AMWG and AR meeting dates: <ul style="list-style-type: none"> ○ January 11-13, 2022 ○ February 9-10, 2022 ○ May 18, 2022 (webinar) ○ August 17-18, 2022
3:00 PDT/ 4:00 MDT	<p>ADJOURN</p> <p>Please take the time to complete a brief meeting evaluation survey—thank you!</p>

¹ Every effort will be made to adhere to the schedule and agenda, but on occasion, for unforeseen reasons, some modifications may occur.

² Action may be by consensus or a vote; and either may be a recommendation to the Secretary of the Interior or feedback to presenter(s) or to subordinate groups.