

**Glen Canyon Dam Adaptive Management Program  
Adaptive Management Work Group Meeting, February 10-11, 2021**

**Wednesday, February 10, 2021**

Day 1 Webinar Information:

<https://bor.webex.com/bor/j.php?MTID=m6513447f6eb67d4cb453d7da63567e84>

Telephone: 415-527-5035 Passcode: 199 831 1809

FINAL AGENDA

START TIME <sup>1</sup> (Duration)	Wednesday, February 10, 2021 Topic and Presenter and Purpose <sup>2</sup>
8:30 PST/ 9:30 MST (:45)	<p><b>Welcome and Administrative:</b> Wayne Pullan, Acting Secretary's Designee to the Adaptive Management Work Group</p> <ul style="list-style-type: none"> <li>▪ Introductions and Determination of Quorum (13 members)               <ul style="list-style-type: none"> <li>○ Facilitator: Mike Harty and Kearns &amp; West team</li> </ul> </li> <li>▪ Approval of <a href="#">August 2020 Meeting Minutes</a></li> <li>▪ Approval of <a href="#">November 2020 Meeting Minutes</a></li> <li>▪ Administrative Updates               <ul style="list-style-type: none"> <li>○ E.O.s and S.O.s</li> <li>○ AMWG Membership Status</li> <li>○ FY2021 Program Funding Status</li> <li>○ Action Item Tracking Report</li> </ul> </li> </ul>
9:15 PST/ 10:15 MST (:20)	<p><b>FY 2020 Accomplishments and FY 2021 Outlook:</b> Lee Traynham, Adaptive Management Group Chief, Bureau of Reclamation</p> <ul style="list-style-type: none"> <li>▪ Presentation (15 minutes)</li> <li>▪ Q&amp;A and discussion (5 minutes)</li> </ul> <p><u>Additional Information:</u> 1) <a href="#">2020 AMWG Report and Recommendations</a>, 2) <a href="#">AMWG Charter Purpose</a>: To provide information regarding GCDAMP accomplishments in FY 2020 and to inform planning and priorities for FY 2021.</p>
9:35 PST/ 10:35 MST (:10)	<p><b>BREAK</b></p>
9:45 PST/ 10:45 MST (:45)	<p><b>2021 GCDAMP Annual Reporting Meeting Update – Part 1:</b> Mark Wimer, Acting Chief, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> <li>▪ Presentation 1 – Sediment, David Topping (15 minutes)</li> <li>▪ Presentation 2 – Vegetation/Terrestrial, Joel Sankey (15 minutes)</li> <li>▪ Q&amp;A and discussion (15 minutes)</li> </ul> <p><u>Purpose:</u> To provide information regarding project work completed in FY20 and to inform work to be completed under the 2021-2023 triennial budget and work plan.</p>

START TIME <sup>1</sup> (Duration)	Wednesday, February 10, 2021 Topic and Presenter and Purpose <sup>2</sup>
10:30 PST/ 11:30 MST (:30)	<p><b>Lower Colorado River Multi-Species Conservation Program Overview:</b> John Swett, Program Manager, Bureau of Reclamation</p> <ul style="list-style-type: none"> <li>▪ Presentation (20 minutes)</li> <li>▪ Q&amp;A and discussion (10 minutes)</li> </ul> <p><u>Additional Information:</u> <a href="#">MSCP Website</a>  <u>Purpose:</u> To share information about the purpose, achievements, current workplan, and future of a complementary conservation program in the Colorado River Basin.</p>
11:00 PST/ 12:00 MST (1:30)	<b>LUNCH</b>
12:30 PST/ 1:30 MST (:30)	<p><b>Stakeholder's Perspective—American Rivers:</b> Matt Rice, Colorado River Basin Program Director, American Rivers</p> <ul style="list-style-type: none"> <li>▪ Presentation (20 minutes)</li> <li>▪ Q&amp;A and discussion (10 minutes)</li> </ul> <p><u>Purpose:</u> Provide an introduction to American Rivers, outlining the organization's values, priorities, and major activities related to the Colorado River and the Glen Canyon Dam Adaptive Management Program.</p>
1:00 PST/ 2:00 MST (:45)	<p><b>Basin Hydrology and Operations:</b> Heather Patno, Hydraulic Engineer, Bureau of Reclamation</p> <ul style="list-style-type: none"> <li>▪ Presentation (30 minutes)</li> <li>▪ Q&amp;A and discussion (15 minutes)</li> </ul> <p><u>Additional Information:</u> 1) <a href="#">24-Month Study</a>, 2) <a href="#">Current GCD operations</a>  <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>
1:45 PST/ 2:45 MST (:15)	<b>BREAK</b>
2:00 PST/ 3:00 MST (:30)	<p><b>Hydropower Resource - Updates and Emerging Issues:</b> Tim Vigil, Colorado River Storage Project Manager, Western Area Power Administration</p> <ul style="list-style-type: none"> <li>▪ Presentation (20 minutes)</li> <li>▪ Q&amp;A and discussion (10 minutes)</li> </ul> <p><u>Purpose:</u> To provide information and updates regarding WAPA's new energy market, the emergency exception outlook for FY21, and other emerging issues.</p>

START TIME <sup>1</sup> (Duration)	Wednesday, February 10, 2021 Topic and Presenter and Purpose <sup>2</sup>
2:30 PST/ 3:30 MST (:45)	<p><b>2021 GCDAMP Annual Reporting Meeting Update – Part 2:</b> Mark Wimer, Acting Chief, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> <li>▪ Presentation 1 – Nutrients and Bugs, Ted Kennedy (15 minutes)</li> <li>▪ Presentation 2 – Fishes, David Ward (15 minutes)</li> <li>▪ Q&amp;A and discussion (15 minutes)</li> </ul> <p><u>Additional Information:</u> GCMRC 2020 Annual Report  <u>Purpose:</u> To provide information regarding project work completed in FY20 and to inform work to be completed under the 2021-2023 triennial budget and work plan.</p>
3:15 PST/ 4:15 MST (:15)	<b>Public Comment</b>
3:30 PST/ 4:30 MST	<p><b>ADJOURN FOR THE DAY</b></p> <ul style="list-style-type: none"> <li>• Please fill out <a href="#">evaluation form</a> if you will not join tomorrow.</li> </ul>

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

<sup>2</sup> 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, February 10-11, 2021**

**Thursday, February 11, 2021**

Day 2 Webinar Information:

<https://bor.webex.com/bor/j.php?MTID=md00e5758d11f9cd0ad3e39d4a5f6709d>

Telephone: 415-527-5035 Passcode: 199 461 4466

FINAL AGENDA

START TIME <sup>1</sup> (Duration)	Thursday, February 11, 2021 Topic, Presenter, and Purpose <sup>2</sup>
8:30 PST/ 9:30 MST (:15)	<p><b>Welcome and Administrative:</b> Wayne Pullan, Acting Secretary's Designee to the Adaptive Management Work Group</p> <ul style="list-style-type: none"> <li>▪ Introductions and Determination of Quorum (13 members)</li> </ul>
8:45 PST/ 9:45 MST (:45)	<p><b>Federal Agency Updates (2-3 minutes each):</b></p> <ul style="list-style-type: none"> <li>▪ GCDAMP Program Funding short-term and long-term (<i>BOR, WAPA</i>)</li> <li>▪ ESA Update: Humpback chub, Razorback sucker, K. ambersnail (<i>FWS</i>)</li> <li>▪ Non-native Aquatic Species Management Plan (<i>NPS</i>)</li> <li>▪ LTEMP Litigation (<i>DOI Solicitors Office</i>)</li> <li>▪ Additional Items</li> </ul> <p>Additional Information: 1) <a href="#">2021 Consolidated Appropriations Act, Division D, Title III, Sec 306</a> 2) <a href="#">PR: GCD Summer Ops</a> 3) <a href="#">FRN Humpback chub</a> 4) <a href="#">FRN Kanab ambersnail</a> 5) <a href="#">NPS Expanded Management Plan</a>, 6) <a href="#">Brown Trout Incentivized Harvest</a></p> <p>Purpose: To share updates regarding current activities on the Colorado River that are pertinent to the GCDAMP.</p>
9:30 PST/ 10:30 MST (:45)	<p><b>Stakeholder Updates (2-3 minutes each):</b></p> <ul style="list-style-type: none"> <li>▪ States: AZDWR, AZGFD, CA, CO, NM, NV, UT, WY</li> <li>▪ Tribes: Hopi, Hualapai, Navajo Nation, Pueblo of Zuni, Southern Paiute</li> <li>▪ NGOs: Environmental (x2), Federal Power Purchasers (x2), Recreation (x2)</li> </ul> <p>Purpose: To share updates regarding current stakeholder activities on the Colorado River that are pertinent to the GCDAMP.</p>
10:15 PST/ 11:15 MST (:15)	<b>BREAK</b>

START TIME <sup>1</sup> (Duration)	Thursday, February 11, 2021 Topic, Presenter, and Purpose <sup>2</sup>
10:30 PST/ 11:30 MST (:45)	<p><b>2021 GCDAMP Annual Reporting Meeting Update – Part 3:</b> Mark Wimer, Acting Chief, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> <li>▪ Presentation 1 – Modeling, Charles Yackulic and Lucas Bair (15 minutes)</li> <li>▪ Presentation 2 – Tribal Resources, Kurt Dongoske (15 minutes)</li> <li>▪ Q&amp;A and discussion (15 minutes)</li> </ul> <p><u>Additional Information:</u> GCMRC 2020 Annual Report  <u>Purpose:</u> To provide information regarding project work completed in FY20 and to inform work to be completed under the 2021-2023 triennial budget and work plan.</p>
11:15 PST/ 12:15 MST (1:30)	<b>LUNCH</b>
12:45 PST/ 1:45 MST (:30)	<p><b>Technical Work Group Chair Report:</b> Seth Shanahan, Technical Work Group Chair</p> <ul style="list-style-type: none"> <li>▪ Presentation (20 minutes)</li> <li>▪ Q&amp;A, discussion (10 minutes)</li> </ul> <p><u>Purpose:</u> To update AMWG members on the TWG meetings held October 2020 and January 2021.</p>
1:15 PST/ 2:15 MST (:30)	<p><b>Tribal Representatives Report</b></p> <ul style="list-style-type: none"> <li>▪ Presentation (20 minutes)</li> <li>▪ Q&amp;A and discussion (10 minutes)</li> </ul> <p><u>Purpose:</u> To report on the Tribes’ activities and meetings as well as Tribal concerns, challenges, and accomplishments.</p>
1:45 PST/ 2:45 MST (:15)	<b>BREAK</b>
2:00 PST/ 3:00 MST (:30)	<p><b>Review of the 2007 Interim Guidelines (7.D. Review):</b> Carly Jerla, Civil Engineer and Malcolm Wilson, Water Resources and Compliance Group Chief, Bureau of Reclamation</p> <ul style="list-style-type: none"> <li>▪ Presentation (20 minutes)</li> <li>▪ Q&amp;A and discussion (10 minutes)</li> </ul> <p><u>Additional information:</u> <a href="#">7D Review website</a>  <u>Purpose:</u> Provide a basic overview of the process for the 2007 Interim Guidelines Review and summarize the findings of the Review Report.</p>

START TIME <sup>1</sup> (Duration)	Thursday, February 11, 2021 Topic, Presenter, and Purpose <sup>2</sup>
2:30 PST/ 3:30 MST (:45)	<p><b>Potential Water Year 2021 Experiments:</b> Lee Traynham, Bureau of Reclamation; Mark Wimer and Ted Kennedy, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> <li>▪ Presentation (30 minutes)</li> <li>▪ Q&amp;A and discussion (15 minutes)</li> </ul> <p><u>Purpose:</u> To update AMWG members on the process and possible LTEMP experiments that may be conducted in 2021.</p>
3:15 PST/ 4:15 MST (:10)	<p><b>Public Comment</b></p>
3:25 PST/ 4:25 MST (:05)	<p><b>WRAP-UP:</b> Wayne Pullan, Acting Secretary's Designee to the Adaptive Management Work Group</p> <ul style="list-style-type: none"> <li>▪ Next AMWG meeting dates: <ul style="list-style-type: none"> <li>○ May 19, 2021 (webinar)</li> <li>○ August 18-19, 2021</li> <li>○ January 11-13, 2022 (Annual Reporting and TWG Meetings)</li> </ul> </li> </ul>
3:30 PST/ 4:30 MST	<p><b>ADJOURN</b></p> <ul style="list-style-type: none"> <li>• Please fill out the <a href="#">meeting evaluation sheet at this link</a>.</li> </ul>

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

<sup>2</sup> 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.