### Glen Canyon Dam Adaptive Management Program
#### Adaptive Management Work Group Meeting, February 9-10, 2022

**Wednesday, February 9, 2022**

**Day 1 Webinar Information:**
- Link: [https://rec.webex.com/rec/j.php?MTID=m2c4bb5a96cb62db32dbc28e2f608767e](https://rec.webex.com/rec/j.php?MTID=m2c4bb5a96cb62db32dbc28e2f608767e)
- Telephone: 415-527-5035  Passcode: 2764 737 4054

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**F I N A L   A G E N D A**

| START TIME ¹ (Duration) | Wednesday, February 9, 2022  
| Topic and Presenter and Purpose² |
|--------------------------|--------------------------------|
| 8:30 PST/9:30 MST (:45) | **Welcome and Administrative:** Wayne Pullan, Acting Secretary's Designee to the Adaptive Management Work Group  
- Introductions and Determination of Quorum (13 members)  
  - Facilitator: Mike Harty and Kearns & West team  
- Approval of [August 2021 Meeting Minutes](#)  
- Review [August meeting evaluation](#)  
- Administrative Updates  
  - AMWG Charter  
  - AMWG Membership Status  
  - Action Item Tracking Report  
  - FY2022 Program Funding Status |
| 9:15 PST/10:15 MST (:15) | **Basin Hydrology and Operations:** Heather Patno, Hydraulic Engineer, Bureau of Reclamation  
- Presentation (30 minutes)  
- Q&A and discussion (15 minutes)  
  
**Additional Information:** 1) [Current GCD operations](#) 2) [24-Month Study](#) 3) [CRMMS 2-Year Projections](#) 4) [5-Year Projections](#) 5) [Drought Response Operations](#)  
  
**Purpose:** To increase understanding of water supply, forecasted hydrologic conditions, and projected reservoir conditions and operations for the current and upcoming water years |
<p>| 10:00 PST/11:00 MST (:15) | <strong>BREAK</strong> |</p>
<table>
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| 10:15 PST/11:15 MST | **2022 GCDAMP Annual Reporting Meeting Update – Part 1:** Mike Moran, Acting Chief, Grand Canyon Monitoring and Research Center  
  - Presentation 1 – Spring Disturbance Flow, Ted Kennedy (15 minutes)  
  - Presentation 2 – Nutrients, Bugs, & Bug Flow Synthesis, Ted Kennedy (15 minutes)  
  - Q&A and discussion (15 minutes)  
  **Purpose:** To provide information regarding project work completed in FY21 and to inform work to be completed under the 2021-2023 triennial budget and work plan. |
| 11:00 PST/12:00 MST | **LUNCH** |
| 12:30 PST/1:30 MST | **Potential Water Year 2022 Experiments:** Lee Traynham, Bureau of Reclamation; Mike Moran, Grand Canyon Monitoring and Research Center  
  - Presentation (15 minutes)  
  - Q&A and discussion (30 minutes)  
  **Purpose:** To discuss recent findings and possible LTEMP experiments that may be conducted in 2022. |
| 1:15 PST/2:15 MST | **Exploration of Potential FLAHG Charge**  
  - Discussion (30 minutes)  
  **Proposed Motion:** Direction to FLAHG  
  **Purpose:** To consider a proposed motion to direct the FLAHG to develop options for future consideration. |
| 1:45 PST/2:45 MST | **BREAK** |
| 2:00 PST/3:00 MST | **GCDAMP Tribal Liaison Report:** Jamescita Peshlakai, Tribal Liaison  
  - Presentation (20 minutes)  
  - Q&A and discussion (10 minutes)  
  **Purpose:** To report on the GCDAMP Partner Tribes’ activities and meetings as well as each Tribe’s concerns, challenges, and accomplishments. |
<table>
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<tr>
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<tbody>
<tr>
<td>2:30 PST/3:30 MST (:45)</td>
<td><strong>2022 GCDAMP Annual Reporting Meeting Update – Part 2</strong>: Mike Moran, Acting Chief, Grand Canyon Monitoring and Research Center</td>
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<td>- Presentation 1 – Sediment, Paul Grams (15 minutes)</td>
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<td>- Presentation 2 – Vegetation/Terrestrial, Emily Palmquist (15 min)</td>
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<td>- Q&amp;A and discussion (15 minutes)</td>
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<td><strong>Purpose</strong>: To provide information regarding project work completed in FY21 and to inform work to be completed under the 2021-2023 triennial budget and work plan.</td>
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<td>3:15 PST/4:15 MST (:15)</td>
<td><strong>Public Comment</strong></td>
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<tr>
<td>3:30 PST/4:30 MST</td>
<td><strong>ADJOURN FOR THE DAY</strong></td>
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<td>• Please fill out <a href="#">evaluation form</a> if you will not join tomorrow.</td>
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</tbody>
</table>

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.
## Thursday, February 10, 2022

**Day 2 Webinar Information:**
- Link: [https://rec.webex.com/rec/j.php?MTID=md4caa110511fe90f209f9c96705fa4c6](https://rec.webex.com/rec/j.php?MTID=md4caa110511fe90f209f9c96705fa4c6)
- Telephone: 415-527-5035 Passcode: 2764 343 6382

## FINAL AGENDA

<table>
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<td>8:30 PST/9:30 MST (:15)</td>
<td><strong>Welcome and Administrative:</strong> Wayne Pullan, Acting Secretary's Designee to the Adaptive Management Work Group</td>
<td>Introductions and Determination of Quorum (13 members)</td>
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| 8:45 PST/9:45 MST (:45) | **Federal Agency Updates (2-3 minutes each):**  
- Staffing Updates, Building Status (*GCMRC*)  
- ESA Update: Humpback chub, Razorback sucker (*FWS*)  
- Non-native Aquatic Species Management Plan (*NPS*)  
- LTEMP Litigation (*DOI Solicitors Office*)  
- GCDAMP Program Funding short-term and long-term (*BOR, WAPA*)  
Purpose: To share updates regarding current activities on the Colorado River that are pertinent to the GCDAMP. |
| 9:30 PST/10:30 MST (:45) | **Stakeholder Updates (2-3 minutes each):**  
- 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) | Purpose: To share updates regarding current stakeholder activities on the Colorado River that are pertinent to the GCDAMP. |
| 10:15 PST/11:15 MST (:15) | **BREAK** | |

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¹ Time denotes Pacific Standard Time (PST) and Mountain Standard Time (MST) as equivalent (e.g., 9:00 PST = 10:00 MST).

² Purpose: To share updates regarding current activities on the Colorado River that are pertinent to the GCDAMP.
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| 10:30 PST/11:30 MST (:45) | **2022 GCDAMP Annual Reporting Meeting Update – Part 3**: Mike Moran, Acting Chief, Grand Canyon Monitoring and Research Center  
- Presentation 1 – Archeological and Cultural Resources, Joel Sankey (15 minutes)  
- Presentation 2 – Fishes, Charles Yackulic (15 minutes)  
- Q&A and discussion (15 minutes) | **Purpose**: To provide information regarding project work completed in FY21 and to inform work to be completed under the 2021-2023 triennial budget and work plan. |
| 11:15 PST/12:15 MST (1:30) | LUNCH | |
| 12:45 PST/1:45 MST (:30) | **Technical Work Group Chair Report**: Seth Shanahan, Technical Work Group Chair  
- Presentation (20 minutes)  
- Q&A, discussion (10 minutes) | **Purpose**: To update AMWG members on the TWG meetings held October 2021 and January 2022. |
| 1:15 PST/2:15 MST (:30) | **Emerging Issues – Temperature Management and Predicted Effects**  
- Discussion (30 minutes) | **Proposed Motion**: Recommendation to Secretary and Direction to TWG  
**Purpose**: Review forecasted temperatures and potential effects to downstream resources. Consider a draft motion to support mitigation efforts and study. |
| 1:45 PST/2:45 MST (:15) | BREAK | |
| 2:00 PST/3:00 MST (:30) | **Stakeholder’s Perspective—Hopi Tribe**: Stewart Koyiyumptewa and Jakob Maase  
- Presentation (20 minutes)  
- Q&A and discussion (10 minutes) | **Purpose**: Provide an introduction to the Hopi Tribe, outlining the Tribe’s values, priorities, and major activities related to the Colorado River and the Glen Canyon Dam Adaptive Management Program. |
| TIME ¹ (Duration) | Thursday, February 10, 2022  
| Topic, Presenter, and Purpose² |
|---|---|
| 2:30 PST/3:30 MST (:45) | Facilitated Discussion: LTEMP Process for Flow Experiments: Mike Hearty, Kearns and West  
Purpose: To review the existing process for planning and implementation of LTEMP Experiments and to solicit feedback and suggestions for improvement from stakeholders. |
| 3:15 PST/4:15 MST (:10) | Public Comment |
| 3:25 PST/4:25 MST (:05) | WRAP-UP: Wayne Pullan, Acting Secretary’s Designee to the Adaptive Management Work Group  
- Next AMWG meeting dates:  
  - May 18, 2022 (webinar)  
  - August 17-18, 2022  
  - January ??-??, 2023 (Annual Reporting and TWG Meetings) |
| 3:30 PST/4:30 MST | ADJOURN  
- Please fill out the meeting [evaluation sheet](#) at this link. |

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