

Glen Canyon Dam Adaptive Management Program Adaptive Management Work Group Meeting, August 17-18, 2022

Wednesday, August 17, 2022

Day 1 Webinar Information:

<https://rec.webex.com/rec/j.php?MTID=m2ac6c2cecbe198a24e26693ffb283017>

Telephone: 415-527-5035 Meeting Number: 2761 935 7298 Password: Aug17

FINAL AGENDA

START TIME ¹ (Duration)	Wednesday, August 17, 2022 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 18, 2022 Meeting Minutes ▪ Administrative Updates <ul style="list-style-type: none"> ○ Summary of May Meeting Evaluation ○ Member Status, Nominations, and Reappointments ○ Action Item Tracking Report ○ FRN: AMWG nominations ○ FRN: Post-2026 Colorado River Reservoir Operational Strategies
9:15 PDT/ 10:15 MDT (:30)	<p>AMWG 101</p> <ul style="list-style-type: none"> ▪ Rod Smith, (30 minutes) <p><u>Purpose:</u> To provide a background on the AMWG program and its proceedings.</p>
9:45 PDT/ 10:45 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</p> <p><u>Purpose:</u> To increase understanding of water supply, forecasted hydrologic conditions, and projected reservoir conditions (including DO and Temp) and operations for the current and upcoming water years.</p>
10:45 PDT/ 11:45 MDT (:15)	BREAK

START TIME ¹ (Duration)	Wednesday, August 17, 2022 Topic and Presenter and Purpose ²
11:00 PDT/ 12:00 MDT (:20)	<p>Aridification of the West and the Adaptive Management of The Colorado River Ecosystem Downstream from Glen Canyon Dam: Facilitated discussion</p> <ul style="list-style-type: none"> ▪ Stakeholder Discussion (20 minutes) <p><u>Additional information:</u> 1) Long-Term Hydrologic Projections for the Colorado River Basin and Methods for Considering Uncertainty, Oct 2021 TWG Presentation.</p> <p><u>Purpose:</u> To have meaningful discussion on how the AMP responds to ongoing aridification and how to improve engagement on this issue in the future.</p>
11:20 PDT/ 12:20 MDT (:30)	<p>Fish Exclusion Technologies Report and Dissolved Oxygen State-of-Practice Report: Connie Svoboda and Mike Horn, Bureau of Reclamation</p> <ol style="list-style-type: none"> 1. Presentation (15 minutes) 2. Discussion (15 minutes) <p><u>Purpose:</u> To provide information and overviews of both the draft reports which will provide for enhanced discussion of non-native fish strategic planning.</p>
11:50 PDT/ 12:50 MDT (:15)	<p>Non-Native Fish Observations and Actions Above and Below Glen Canyon Dam: NPS, GCMRC, AZGFD, USU.</p> <ul style="list-style-type: none"> ▪ Presentation (10 minutes) ▪ Discussion (5 minutes) <p><u>Purpose:</u> To provide information and recent observations of high-risk non-native fishes.</p>
12:05 PDT/ 1:05 MDT (:55)	LUNCH
1:00 PDT/ 2:00 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>
1:30 PDT/ 2:30 MDT (1:15)	<p>Update on the Strategy and Operational Alternatives Directive from the Secretary's Designee: Seth Shanahan, TWG Chair; Mike Moran and Charles Yackulic, GCMRC</p> <ul style="list-style-type: none"> ▪ Presentation (45 minutes) ▪ Q&A and discussion (30 minutes) <p><u>Purpose:</u> To review progress on the directive that came from the Secretary's Designee in the May 2022 AMWG meeting to develop a strategic plan and operational alternatives to prevent establishment of cool- and warmwater non-native fishes.</p>

START TIME ¹ (Duration)	Wednesday, August 17, 2022 Topic and Presenter and Purpose ²
2:45 PDT/ 3:45 MDT (:15)	BREAK
3:00 PDT/ 4:00 MDT (:45)	<p>GCMRC Science Updates: Michael Moran, Acting Chief; 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 on bug flows, overflight data, water quality syntheses, and sandbar research.</p>
3:45 PDT/ 4:45 MDT (:15)	Public Comment
4:00 PDT/ 5:00 MDT	ADJOURN FOR THE DAY

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 17-18, 2022**

Thursday, August 18, 2022

Day 2 Webinar Information:

<https://rec.webex.com/rec/j.php?MTID=mde185a6cf327fad6b6ee62fa3b635bda>

Telephone: 415-527-5035 Meeting Number: 2761 373 0874 Password: Aug18

FINAL AGENDA

START TIME ¹ (Duration)	Thursday, August 18, 2022 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 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) 2021 Razorback Sucker Expert Science Panel Summary</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 (:15)	<p>Report Out from the 2022 Stakeholder River Trip</p> <ul style="list-style-type: none"> ▪ Peggy Roefer, (15 minutes) <p><u>Purpose:</u> To provide feedback and share experiences from the GCMRC Stakeholder River Trip which took place July 13 – 22, 2022.</p>
9:30 PDT/ 10:30 MDT (:30)	<p>Update on the Meeting of the Parties to the LTEMP Programmatic Agreement: Zachary Nelson and Jamescita Peshlakai, Reclamation</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Discussion (15 minutes) <p><u>Purpose:</u> To provide information and follow up to the August 2022 Meeting of the Parties to the LTEMP Programmatic Agreement.</p>
10:00 PDT/ 11:00 MDT (:15)	BREAK

START TIME ¹ (Duration)	Thursday, August 18, 2022 Topic, Presenter, and Purpose ²
10:15 PDT/ 11:15 MDT (:30)	<p>Tribal Partners Report and Perspectives</p> <ul style="list-style-type: none"> ▪ Tribal report out and discussion (30 minutes) <p><u>Purpose:</u> Opportunity to hear of GCDAMP Partner Tribes' activities and meetings as well as Tribal concerns, challenges, and accomplishments. To have meaningful discussion on how Reclamation's performance, ways to improve, and how to engage better going forward.</p>
10:45 PDT/ 11:45 MDT (:30)	<p>The Role of AMWG in the DROA Process: Rod Smith, DOI.</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Discussion (15 minutes) <p><u>Additional Information:</u> 1) https://www.usbr.gov/dcp/finaldocs.html, 2) https://www.usbr.gov/dcp/droa.html</p> <p><u>Purpose:</u> To have meaningful discussion on the role and engagement in Drought Response Operations Agreement processes.</p>
11:15 PDT/ 12:15 MDT (1:30)	<p>LUNCH</p>
12:45 PDT/ 1:45 MDT (:40)	<p>LTEMP Experiments: Clarence Fullard, Deputy GCDAMP Program Manager, Bureau of Reclamation and Michael Moran, Acting Chief, Grand Canyon Monitoring and Research Center</p> <ul style="list-style-type: none"> ▪ Presentation on Experiments Considered and Implemented for WY 2023 (10 minutes) ▪ LTEMP Experimental Process (20 minutes) ▪ Q&A and discussion (10 minutes) <p><u>Additional Information:</u>) Communication and Consultation Process, LTEMP ROD Attachment B, section 1.4.</p> <p><u>Purpose:</u> To review the process and update AMWG members on LTEMP experiments that have been and may be conducted in 2023. To have meaningful discussion on how Reclamation's performance, ways to improve, and how to engage better going forward.</p>
1:25 PDT/ 2:25 MDT (1:10)	<p>FY 2023 Budget and Work Plan Recommendation: Seth Shanahan, TWG Chair; Clarence Fullard, Reclamation; Mike Moran, GCMRC; Discussion facilitated by Mike Harty, Kearns and West, Inc.</p> <ul style="list-style-type: none"> ▪ Presentation: 10m ▪ Q&A, discussion, and action (60 minutes). <p><u>Additional Information:</u> 1) TWP Process and Timeline, 2) FY23 Draft Reclamation Budget 3) FY23 Draft GCMRC Budget, 4) Recommendation by the TWG (06/16/2022).</p> <p><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>

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2:35 PDT/ 3:35 MDT (:05)	BREAK
2:40 PDT/ 3:40 MDT (:40)	Stakeholder Updates (2-3 minutes each): <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>
3:10 PDT/ 4:10 MDT (:10)	Public Comment
3:20 PDT/ 4:20 MDT (:15)	WRAP-UP: Wayne Pullan, Secretary’s Designee to the Adaptive Management Work Group <ul style="list-style-type: none"> ▪ FY2023 AMWG and AR meeting dates: <ul style="list-style-type: none"> ○ January 24-25, 2023 ○ February 15-16, 2023 ○ May 17, 2023 (webinar) ○ August 16-17, 2023
3:35 PDT/ 4:35 MDT	ADJOURN Please take the time to complete a brief meeting evaluation survey—thank you!

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