

**GLEN CANYON DAM ADAPTIVE MANAGEMENT PROGRAM
 TECHNICAL WORK GROUP MEETING
 OCTOBER 12-13, 2022**

DAY 1 WEBINAR

<https://rec.webex.com/rec/j.php?MTID=m08eadfb8c1e2f8f29dacf6c476488cf4>

Call in

Call in (415) 527-5035 | Participant Passcode: 2762 912 1063

Meeting Number: 2762 912 1063 | Meeting Password: Oct12

DRAFT AGENDA

STARTS AT 8:30 a.m. Pacific Daylight Time (PDT)/ 8:30 a.m. Arizona Time / 9:30 am Mountain Daylight Time (MDT)

START TIME (Duration)	Wednesday, October 12, 2022 (Day 1) Topic, Presenter, and Purpose
9:30 MDT (:45)	<p>Welcome and Administrative: Seth Shanahan, Technical Work Group (TWG) Chair</p> <ul style="list-style-type: none"> ▪ Introductions and Determination of Quorum (16 members) ▪ Adoption of Prior Meeting Minutes ▪ Next Meeting Date(s): January 24-26, 2023 ▪ Ad Hoc Group Membership and Updates ▪ Review Action Items, Motions, and Votes Form ▪ Update on Program Funding and Limitations on Carryover Accounts ▪ Update on Monitoring and Research Trips to Occur from Today Until Next Meeting
10:15 MDT (:15)	<p>The Secretary’s Designee’s August 2022 Requests – Actions to Address Non-Native Fish: Clarence Fullard, Bureau of Reclamation (Reclamation)</p> <ul style="list-style-type: none"> ▪ Presentation (10 minutes) ▪ Q&A and discussion (5 minutes)
10:30 MDT (:30)	<p>Report from the Smallmouth Bass Ad Hoc Group Including a Discussion of Operational Alternatives and Exclusion Devices to Prevent Smallmouth Bass and Other Invasive Fish Establishment Below Glen Canyon Dam, Invasive Fish Strategic Planning Progress, and Early Detection and Rapid Response Immediate Needs: Laura Dye, Colorado River Commission of Nevada (CRC); and Emily Higuera, Arizona Department of Water Resources (ADWR); Charles Yackulic, Grand Canyon Monitoring and Research Center (GCMRC); and TWG Members</p> <ul style="list-style-type: none"> ▪ Presentation, Q&A, discussion, and action (30 minutes)
11:00 MDT (:15)	BREAK
11:15 MDT (:60)	<p>Continued from Prior Agenda Item: Laura Dye, CRC; and Emily Higuera, ADWR; Charles Yackulic, GCMRC; and TWG Members</p> <ul style="list-style-type: none"> ▪ Presentation, Q&A, discussion, and action (60 minutes)

START TIME (Duration)	Wednesday, October 12, 2022 (Day 1) Topic, Presenter, and Purpose
12:15 MDT (:60)	LUNCH
1:15 MDT (:30)	<p>Continued from Prior Agenda Item: Laura Dye, CRC; and Emily Higuera, ADWR; Charles Yackulic, GCMRC; and TWG Members</p> <ul style="list-style-type: none"> ▪ Presentation, Q&A, discussion, and action (30 minutes)
1:45 MDT (:45)	<p>Update on Hydrology, Glen Canyon Dam Operations, and Water Quality Conditions in Lake Powell and Below Glen Canyon Dam: Heather Patno and Robert Radtke, Reclamation</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (15 minutes)
2:30 MDT (:15)	<p>The Secretary's Designee's August 2022 Requests – How to Optimize High-Flow Experiments in the Current Environment: Clarence Fullard, Reclamation and Mike Moran, GCMRC</p> <ul style="list-style-type: none"> ▪ Presentation (10 minutes) ▪ Q&A and discussion (5 minutes)
2:45 MDT (:30)	<p>A Review of the Implementation Process that Was Used for a Potential Fall High Flow Experiment and Possible Experimental and Management Actions in the Next 12 Months: Clarence Fullard, Reclamation</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
3:15 MDT (:15)	BREAK
3:30 MDT (:15)	<p>The Secretary's Designee's August 2022 Requests – Evaluating Downstream Impacts from Low Elevations/Low Flows : Mike Moran, GCMRC</p> <ul style="list-style-type: none"> ▪ Presentation (10 minutes) ▪ Q&A and discussion (5 minutes)
3:45 MDT (:45)	<p>Status of the Lees Ferry Trout Fishery Including Angler Reports and Water Quality Conditions of Concern and a Review of Handling Procedures to Prevent Mortality: Ryan Mann, Arizona Game and Fish Department; Mike Moran, GCMRC</p> <ul style="list-style-type: none"> ▪ Presentation (10 minutes) ▪ Q&A and discussion (35 minutes)
4:30 MDT (:30)	<p>A Review of Nutrient Fertilization to Enhance Fish Production, and Scoping for Glen Canyon Dam: Josh Korman, Ecometric</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
5:00 MDT (:05)	Public Comment

START TIME (Duration)	Wednesday, October 12, 2022 (Day 1) Topic, Presenter, and Purpose
5:05 MDT	ADJOURN

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DAY 2 WEBINAR

<https://rec.webex.com/rec/j.php?MTID=m7f2d32e557e77bd5805d66e8e035ca72>

Call in (415) 527-5035 | Participant Passcode: 2762 243 8212

Meeting Number: 2762 243 8212 | Meeting Password: Oct13

DRAFT AGENDA

STARTS AT 8:30 a.m. Pacific Daylight Time (PDT)/ 8:30 a.m. Arizona Time / 9:30 am Mountain Daylight Time (MDT)

START TIME (Duration)	Thursday, October 13, 2022 (Day 2) Topic, Presenter, and Purpose
9:30 MDT (:30)	<p>Welcome and Administrative: Seth Shanahan, TWG Chair</p> <ul style="list-style-type: none"> ▪ Introductions and Determination of Quorum (16 members) ▪ Unresolved Issues from Yesterday's Meeting
10:00 MDT (:30)	<p>Status of Non-Native Fish in Lake Powell: Mike Horn, Bureau of Reclamation (Reclamation) and Barrett Friesen, Utah State University</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
10:30 MDT (:15)	BREAK
10:45 MDT (:45)	<p>Status of Harmful Non-Native Fish Below Glen Canyon Dam, Updates for the Incentivized Harvest Program, and Activities to Control Harmful Non-Native Fish in the RM-12 Sloughs: Bud Fazio, National Park Service (NPS)</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (30 minutes)
11:30 MDT (:30)	<p>Effects of Frequent Use of Bypass at Glen Canyon Dam on Electrical Generation and Transmission: Shane Messano, Sean Erickson, and Peter Heiman, Western Area Power Administration</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
12:00 MDT (:60)	LUNCH
1:00 MDT (:30)	<p>Update on Project N Activities Including a Discussion of Hydropower Improvement Flows: Lucas Bair, Grand Canyon Monitoring and Research Center (GCMRC)</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)

START TIME (Duration)	Thursday, October 13, 2022 (Day 2) Topic, Presenter, and Purpose
1:30 MDT (1:15)	Monitoring Metrics: Helen Fairley, GCMRC <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (45 minutes)
2:45 MDT (:15)	BREAK
3:00 MDT (:30)	Trout Management Flows Hypsometric Analysis and Literature Review: Josh Korman, Ecometric <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
3:30 MDT (:30)	Highlights from the Razorback Sucker Expert Science Panel: Kerri Pedersen, Reclamation; and Phaedra Budy, Utah State University <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
4:00 MDT (:15)	Informational Updates <ul style="list-style-type: none"> ▪ Razorback Sucker Augmentation Activities in Grand Canyon: Emily Omana Smith, National Park Service ▪ Water Quality Studies Requested by the AMWG in February 2022: Bridget Deemer, GCMRC ▪ Trout Management Flow White Paper: Kerri Pedersen, Reclamation
4:15 MDT (:30)	Discussion of Emerging or Other Issues, Updates on Items of Interest That Are in Consideration for Implementation Before Next TWG Meeting, and Request for Agenda Items for Next Meeting: TWG Members <ul style="list-style-type: none"> ▪ Discussion (30 minutes)
4:45 MDT (:05)	Public Comment
4:50 MDT	ADJOURN