

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

DAY 1 WEBINAR

<https://rec.webex.com/rec/j.php?MTID=m0b564076eb8d6b453d16d622a6a83b71>

Call in (415) 527-5035 | Participant Passcode: 2762 462 5483

Meeting Number: 2762 462 5483 | Meeting Password: Apr12

FINAL 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)	Tuesday, April 12, 2022 (Day 1) Topic, Presenter, and Purpose
9:30 MDT (:45)	<p>Welcome and Administrative: Michelle Garrison, Technical Work Group (TWG) Vice-Chair</p> <ul style="list-style-type: none"> ▪ Introductions and Determination of Quorum (16 members) ▪ Adoption of Prior Meeting Minutes ▪ Next Meeting Date(s): June 15-16, 2022 ▪ Ad Hoc Group Membership and Updates ▪ Review Action Items, Motions, and Votes Form ▪ Update on Program Funding ▪ Possible Experimental and Management Actions in the Next 12 Months ▪ Update on Activities Impacted Due to COVID-19 Restrictions ▪ Stakeholder River Trip July 13-22, 2022 ▪ Update on Monitoring and Research Trips to Occur From Today Until Next Meeting
10:15 MDT (:60)	<p>Update on Hydrology, Glen Canyon Dam Operations, and Water Quality Conditions in Lake Powell and Below Glen Canyon Dam: Heather Patno, Robert Radtke, and Clarence Fullard Bureau of Reclamation (Reclamation)</p> <ul style="list-style-type: none"> ▪ Presentation (45 minutes) ▪ Q&A and discussion (15 minutes)
11:15 MDT (:15)	BREAK
11:30 MDT (:45)	<p>Smallmouth Bass – Lessons Learned from the Upper Basin and Status of Control Efforts: Kevin Bestgen, Colorado State University</p> <ul style="list-style-type: none"> ▪ Presentation (30minutes) ▪ Q&A and discussion (15 minutes)
12:15 MDT (:45)	<p>An Update About Non-Native Fish Studies in Lake Powell: Phaedra Budy et al., Utah State University; and Mike Horn and Connie Svoboda, Reclamation</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (15 minutes)

START TIME (Duration)	Tuesday, April 12, 2022 (Day 1) Topic, Presenter, and Purpose
1:00 MDT (:60)	LUNCH
2:00 MDT (:60)	<p>Discussion About the Near-Term Threat of Smallmouth Bass Establishment below Glen Canyon Dam and the Team Organized to Better Understand the Threat and Explore Mitigation Opportunities; and a Discussion About the Non-Native Aquatic Species Control Actions Available to the National Park Service: Kirk Young, US Fish and Wildlife Service; Rob Billerbeck, National Park Service; Charles Yackulic, Grand Canyon Monitoring and Research Center (GCMRC); et al.</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (30 minutes)
3:00 MDT (:15)	BREAK
3:15 MDT (1:45)	<p>Tabletop Exercise to Explore Information and Management Gaps, Part 1 of 3: TWG Members</p> <ul style="list-style-type: none"> ▪ Discussion (1 hour 45 minutes) <p><u>Purpose:</u> To provide an opportunity for the TWG to discuss, in a non-threatening environment, simulated emergency situations regarding near-term, high-priority issues of concern such as the establishment of non-native fish, high water temperatures, and low dissolved oxygen. Tabletop exercises are typically used to clarify roles and responsibilities and to explore additional information and management preparedness needs. This discussion will be facilitated through the Science Advisors Program.</p>
5:00 MDT (:05)	Public Comment
5:05 MDT	ADJOURN

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DAY 2 WEBINAR

<https://rec.webex.com/rec/j.php?MTID=m3ef316eb74b0ae3283406b19dbcc8acf>

Call in (415) 527-5035 | Participant Passcode: 2763 106 1351

Meeting Number: 2763 106 1351 | Meeting Password: Apr13

FINAL 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, April 13, 2022 (Day 2) Topic, Presenter, and Purpose
9:30 MDT (:30)	Welcome and Administrative: Michelle Garrison, TWG Vice-Chair <ul style="list-style-type: none"> ▪ Introductions and Determination of Quorum (16 members) ▪ Unresolved Issues from Yesterday's Meeting
10:00 MDT (:60)	Tabletop Exercise to Explore Information and Management Gaps, Part 2 of 3: TWG Members <ul style="list-style-type: none"> ▪ Discussion (60 minutes)
11:00 MDT (:15)	BREAK
11:15 MDT (:60)	Tabletop Exercise to Explore Information and Management Gaps, Part 3 of 3: TWG Members <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (15 minutes)
12:15 MDT (:30)	Informational Updates <ul style="list-style-type: none"> ▪ Long-Term Experimental and Management Plan Biological Opinion Conservation Measures: Kerri Pedersen, Reclamation ▪ Rainbow and Brown Trout Status in Lees Ferry: Ryan Mann, Arizona Game and Fish Department (AZGFD) ▪ Rainbow Trout Management Actions in Lees Ferry: Ryan Mann, AZGFD ▪ Aquatic Vegetation Removal Project Status in Lees Ferry: Charles Yackulic, GCMRC ▪ Green Sunfish Status and Incentivized Harvest Program Implementation: Jeff Arnold and Brian Healy, National Park Service
12:45 MDT (:60)	LUNCH

START TIME (Duration)	Wednesday, April 13, 2022 (Day 2) Topic, Presenter, and Purpose
1:45 MDT (:60)	Bug Flows Discussion: Ted Kennedy, Grand Canyon Monitoring and Research Center (GCMRC); and Lee Traynham, Bureau of Reclamation (Reclamation) <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (30 minutes)
2:45 MDT (:45)	Budget Ad Hoc Group – Initial Findings and Status Report: Craig Ellsworth, Western Area Power Administration (WAPA) <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (15 minutes)
3:30 MDT (:15)	BREAK
3:45 MDT (:15)	<p>Discussion About Addressing the Adaptive Management Work Group’s Motion Directing the TWG to Pursue Water Quality Studies: TWG Members</p> <ul style="list-style-type: none"> ▪ Q&A and discussion (15 minutes) <p><u>AMWG motion approved on February 10, 2022:</u> The Adaptive Management Work Group (AMWG) directs the Technical Work Group (TWG), with support from the Grand Canyon Monitoring and Research Center and Reclamation, to identify the scope of work, potential funding sources and priorities, schedule, and staffing needed to evaluate water quality released from Glen Canyon Dam and potential effects on resources in the Colorado River ecosystem (CRE) on a short-term and longterm basis. To address short-term needs, the TWG and GCMRC will prepare an assessment report that focuses on water quality parameters and impacts, including potential thresholds, on affected resources throughout the CRE, subject to available funding. (Estimated cost: \$250,000). In the long-term, this evaluation will inform any future AMWG recommendations to the Secretary of the Interior regarding infrastructure modifications.</p>
4:00 MDT (:30)	Monitoring Metrics: Helen Fairley, GCMRC <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
4:30 MDT (:45)	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 (45 minutes)
5:15 MDT (:05)	Public Comment
5:20 MDT	ADJOURN