

GLEN CANYON DAM ADAPTIVE MANAGEMENT PROGRAM
TECHNICAL WORK GROUP MEETING
JUNE 14-16, 2023

DAY 1 IN PERSON
 U.S. Geological Survey
 2255 N. Gemini Road, Flagstaff, AZ 86001

DAY 1 WEBINAR
<https://rec.webex.com/rec/j.php?MTID=mdbab137411f590f16a599f0460ace0a0>
 Call in: 415-527-5035 | Participant Passcode: 2761 041 8190
 Meeting Number: 2761 041 8190 | Meeting Password: TWG14 (89414 from video systems)

FINAL AGENDA

STARTS AT 9:45 a.m. Pacific Daylight Time (PDT)/ 9:45 a.m. Arizona Time / 10:45 am Mountain Daylight Time (MDT)

START TIME (Duration)	<p align="center">Wednesday, June 14, 2023 (Day 1) Topic, Presenter, and Purpose</p>
9:45 PDT (: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): October 11-12, 2023 (in person or virtual) ▪ Ad Hoc Group Membership and Updates ▪ Review Action Items, Motions, and Votes Form ▪ Update on Monitoring and Research Trips to Occur From Today Until Next Meeting ▪ Bureau of Reclamation Staffing Update ▪ Day 3 Tour of Glen Canyon
10:30 PDT (:15)	<p>TWG Chairperson and Vice-Chairperson Election: Clarence Fullard, Bureau of Reclamation (Reclamation)</p> <ul style="list-style-type: none"> ▪ Q&A, discussion, and action (15 minutes) <p><i>Proposed motion language: The TWG appoints _____ to the position of Chairperson and _____ to the position of Vice-Chairperson of the Glen Canyon Dam Technical Work Group for Fiscal Year 2024.</i></p>
10:45 PDT (:60)	<p>Update on Hydrology, Glen Canyon Dam Operations, and Water Quality Conditions in Lake Powell and Below Glen Canyon Dam: Rick Clayton and Robert Radtke, Bureau of Reclamation (Reclamation)</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (30 minutes)
11:45 PDT (:30)	<p>Impacts to Hydropower Customers and the Basin Fund from Conducting Experiments: Craig Ellsworth, Western Area Power Administration</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)

START TIME (Duration)	<p style="text-align: center;">Wednesday, June 14, 2023 (Day 1) Topic, Presenter, and Purpose</p>
12:15 PDT (1:30)	LUNCH
1:45 PDT (1:15)	<p>Status Report for Developing a Plan to Amend the High-Flow Experiment Protocol: Sinjin Eberle, FLAHG Chair, TWG Members</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A, discussion, action (60 minutes) <p><i>Proposed motion language: The Technical Work Group accepts the plan developed through the Flow Ad Hoc Group to amend the High-Flow Experiment Protocol and agrees to submit it to the Adaptive Management Work Group for their consideration.</i></p>
3:00 PDT (:15)	BREAK
3:15 PDT (:45)	<p>Lessons Learned from WY2011, the 2008 Spring High-Flow Experiment, Origins of the Trout Management Flow Concept, and Considerations for the Future: Josh Korman, Ecometric</p> <ul style="list-style-type: none"> ▪ Presentation (30 minutes) ▪ Q&A and discussion (15 minutes)
4:00 PDT (:30)	<p>Preliminary Field Reports from the April High-Flow Experiment: Paul Grams and Joel Sankey, Grand Canyon Monitoring and Research Center (GCMRC)</p> <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
4:30 PDT (:05)	Public Comment
4:35 PDT	ADJOURN

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DAY 2 IN PERSON
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2255 N. Gemini Road, Flagstaff, AZ 86001

DAY 2 WEBINAR
<https://rec.webex.com/rec/j.php?MTID=m07538a11075c047baced1c7c1abe17c1>
Call in: 415-527-5035 | Participant Passcode: 2760 396 2269
Meeting Number: 2760 396 2269 | Meeting Password: TWG15 (89415 from video systems)

FINAL AGENDA

STARTS AT 9:00 a.m. Pacific Daylight Time (PDT)/ 9:00 a.m. Arizona Time / 10:00 am Mountain Daylight Time (MDT)

START TIME (Duration)	Thursday, June 15, 2023 (Day 2) Topic, Presenter, and Purpose
9:00 PDT (:15)	<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
9:15 PDT (:30)	<p>Report Out and Recommendation from the Budget Ad Hoc Group for the Fiscal Year 2024 Budget and Work Plan: Erik Skeie, BAHG Chair; Bill Stewart, Reclamation; and Andrew Schultz, GCMRC</p> <ul style="list-style-type: none"> ▪ Presentation, Q&A, and discussion (30 minutes)
9:45 PDT (:60)	<p>Development of Budget Recommendation to the Adaptive Management Work Group: TWG Members</p> <ul style="list-style-type: none"> ▪ Discussion and action (60 minutes) <p><i>Proposed motion language: The Technical Work Group recommends that the Adaptive Management Work Group recommend for approval to the Secretary of Interior, the Fiscal Year 2024 budget as shown on the budget worksheets presented to the Technical Work Group on June 15, 2023.</i></p>
10:45 PDT (:15)	BREAK
11:00 PDT (:60)	<p>Bug Flows – Latest Findings and General Discussion: Ted Kennedy, GCMRC; TWG Members</p> <ul style="list-style-type: none"> ▪ Presentation (20 minutes) ▪ Q&A and discussion (40 minutes) <p><i>Purpose: The purpose of this agenda item is to revisit the experimental hypotheses for the Bug Flows and explore the different lines of evidence that support those hypotheses. An informational presentation will be provided first, followed by general discussion.</i></p>

START TIME (Duration)	Thursday, June 15, 2023 (Day 2) Topic, Presenter, and Purpose
12:00 PDT (1:30)	LUNCH
1:30 PDT (:30)	Update on the Status of Smallmouth Bass, Interagency Non-Native Fish Charter, and Other Non-Native Fish: Bud Fazio or Jeff Arnold, National Park Service; Bill Stewart, Reclamation; TBD, GCMRC; Dave Rogowski or Ryan Mann, Arizona Game and Fish Department (AZGFD) <ul style="list-style-type: none"> ▪ Q&A and discussion (30 minutes)
2:00 PDT (:30)	Studies to Modify the -12 Mile Slough: Mike Sixta and Tim Randle, Reclamation <ul style="list-style-type: none"> ▪ Presentation (15 minutes) ▪ Q&A and discussion (15 minutes)
2:30 PDT (:15)	BREAK
2:45 PDT (:30)	Informational Updates <ul style="list-style-type: none"> ▪ Willow Flycatcher and Yuma Ridgeway's Rail Surveys: Miranda Terwilliger, NPS ▪ SEIS Update: Bill Stewart, Reclamation ▪ Smallmouth Bass Environmental Impact Statement: Bill Stewart, Reclamation ▪ Possible Experimental and Management Actions in the Next 12 Months: Clarence Fullard, Reclamation
3:15 PDT (:15)	Discussion of Emerging 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 (15 minutes)
3:30 PDT (:05)	Public Comment
3:35 PDT	ADJOURN

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DAY 3 FIELD TRIP - OPTIONAL

FINAL AGENDA

START TIME (Duration)	Friday, June 16, 2023 (Day 3) Topic, Presenter, and Purpose
8:15 to 3:00 PDT	<p>-12 Mile Slough River Trip: TWG Members who have RSVP'd already and have received a confirmation email</p> <ul style="list-style-type: none"> ▪ What – An optional rafting trip is scheduled for TWG members to observe the -12 mile slough and other features of the Glen Canyon reach. The raft holds only 18 people so TWG members were asked to sign up in advance on a first come, first serve basis. Only members who have received a confirmation email from the TWG Chairperson are reserved to attend. ▪ Why – The purpose of this trip is for TWG members to engage with subject matter experts and to directly observe the slough and Glen Canyon reach so that TWG members can gain a better understanding of the complexities of managing non-native fish in this area. ▪ How – The National Park Service has worked with the Glen Canyon Conservancy to provide a raft for the trip. ▪ When – Friday, June 16 from 8:15 am to 3:00 pm local time. A short tour of the dam will be provided first, then participants will depart from below the dam at 10:00 am for the -12 Mile slough and arriving at Lees Ferry by 2:00 pm. Shuttles will return participants to the visitor center by 3:00 pm. ▪ Where – Meet at 8:15 am on the north side of the Carl Hayden Visitor Center US-89 Page, AZ 86040. The north side of the visitor center is the side of the building that is opposite from the public entrance. <p>Final note – Please contact TWG Chairperson, Seth Shanahan at seth.shanahan@snwa.com or 702-274-0026, with any questions.</p>