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RECLAMATION

Glen Canyon Dam Adaptive Management Program — Knowledge Workshops

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National Center for Environmental Conflict Resolution

Morris K. Udall and Stewart L. Udall Foundation

Federal Agency that includes the National Center



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Training and Program Support



- ECCR Training
 - Open Sessions
 - Customized
- ECCR Program Support
- Tribal

ECCR Leadership



- Assist w/implementation of NEPA Section 101
- Facilitate Federal ECCR Forum



Why?

- FY28-30 Triennial Work Plan
 - Background on each resource
 - “Better understanding of what we know and what we don’t know”
- LTEMP 10-Year Review
 - “DOI will conduct a comprehensive review after October 1, 2027, to evaluate what has been learned from the experimental studies and an evaluation of resource conditions after 10 years of LTEMP operational experience.”

(LTEMP ROD p. 20-21)



Guiding Goals – all workshops



Provide baseline background information on the resource goals of LTEMP to create shared understanding of the resource and resource conditions.



Identify potential knowledge gaps and understanding from stakeholders and discuss ways to try to address those gaps moving forward.

Evaluate what GCDAMP Stakeholders feel they don't fully understand and where their insights or knowledge could be improved.



Workshop Development

- National Center facilitation team works with a planning team composed of Reclamation, Federal partner agencies, and TWG representatives
- Survey development and distribution to identify:
 - Member interests or priorities.
 - Specific challenges to be addressed in the workshop
 - Ideas/concerns for workshop design and participation.
 - What might make it more successful?
- Hold ongoing facilitated meetings to build the approach and agenda with each core planning team.

Hydropower Workshop Overview



- The workshop aimed to strengthen shared understanding of hydropower operations within the Glen Canyon Dam Adaptive Management Program (GCDAMP), address emerging challenges, and explore collaborative solutions.
- Provided foundational sessions on CRSP/WAPA history, marketing plans, hydropower capacity, transmission, reliability, and Tribal benefits.
- Focused on strategic discussions around hydropower's role in GCDAMP, tradeoffs with experimental flows, Basin Fund financial implications, and modeling tools such as CRiSPPy and the GCMRC screening tool.

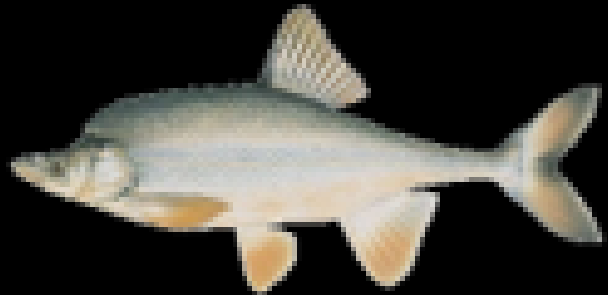
Hydropower Workshop Next Steps



- Revisit Hydropower Assumptions and Goals
 - Last visited in 2016 LTEMP
 - Apply what we learned
 - New conditions and new forecast
- Experiments
 - Develop potential future hydropower experiments
 - GCMRC –proposed HFE down ramp experiment
 - WAPA is partnering with Argonne National Lab to model the sensitivity of hydropower to various operational constraints to identify where flexibility could be increased with minimal resource impact
- Further discussion on the interaction among Hydropower and the other resources within LTEMP



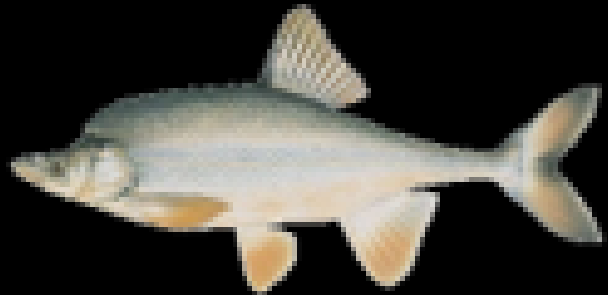
Humpback Chub, Other Native Fish, Nonnative Fish Knowledge Workshop Overview



- GCMRC Hosted w/Hands on Examples
- Provided History of Fishery
- Focused on monitoring strategies
- Flirted with ESA compliance
- Provided Upper Basin perspective
- Tribal perspectives highlighted indepth cultural dimensions of fish and management impacts
- Discussed how are we addressing uncertainties.
- Brainstormed Future Conditions, key takeaways, and next steps

Humpback Chub, Other Native Fish, Nonnative Fish

Knowledge Workshop Next Steps



- Clarify Short-, Medium-, Long-Term Actions
- Review Nonnative Strategic Plan
- History of Nonnative Fish
- Evaluate risk tolerance to ESA species
- Monitoring capacity and metrics need clearer priorities
- Need for adaptive, rapid-response management
- Hotspots and habitat modification options
- Science review needed
- And more.....



Cultural and Archaeological, Recreation (Whitewater), Sediment, Vegetation Knowledge Workshop

- **Workshop Date – September 22-24, 2026**
- Draft Agenda (coming soon). Key topics include:
 - Big picture overview of these resources – “How did we get here?”
 - Resource Change from pre-dam period to start of LTEMP
 - Monitoring Design during LTEMP
 - Resource trends during LTEMP
 - Tribal Perspectives on the resources and above topics
 - Explore Knowledge Gaps - presentation and discussions
 - Future Conditions (Discuss current and anticipated challenges)



Cultural and Archaeological, Recreation (Whitewater), Sediment, Vegetation Knowledge Workshop cont.

- Survey for feedback sent out April 29, 2026
- Still open to verbal or written suggestions this week!
- Will close survey at the end of next week (August 21, 2026)
- Coordinate with anyone below with your questions or to contribute additional ideas.
- Contacts
 - Kelly Burke, Carrie Cannon, Jakob Maase, Sinjin Eberle – TWG and Tribal Liaisons
 - Bill Stewart, Jeremy Hammen – Reclamation
 - Mark Anderson – GCMRC
 - Seth Cohen and Elyse Magen- Udall Foundation Facilitators

Natural Processes, Rainbow Trout Fishery, and Recreation (Anglin) Knowledge Workshop

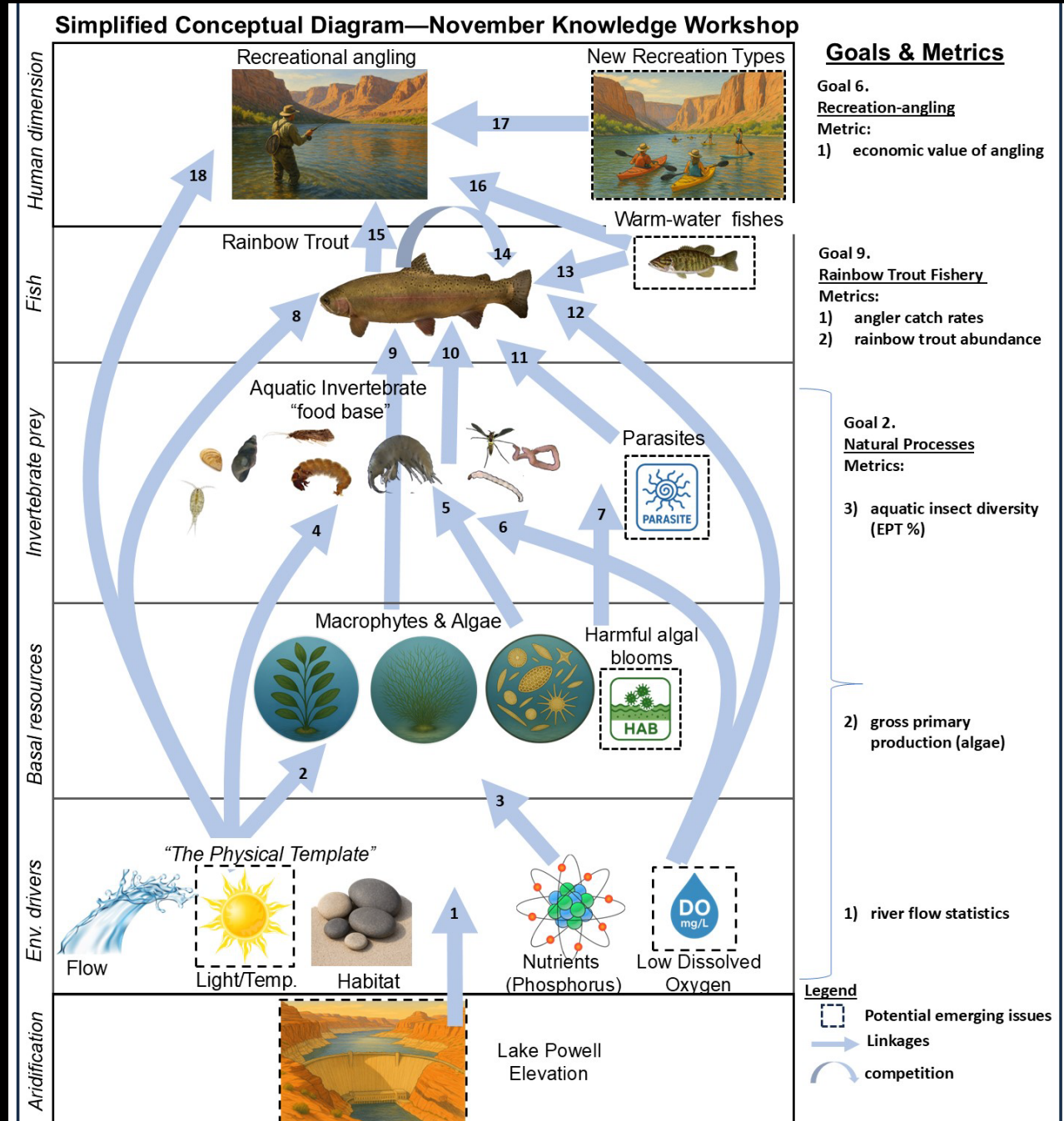
- **Workshop Date – November 3-4, 2026**

Workshop aims to share insights from monitoring, experimental studies, and resource conditions after 10 years of LTEMP operations for Resource Goals 2 (Natural Processes), 6 (Recreational Experience), and 9 (Rainbow Trout Fishery).

- Conceptual model developed (next slide)
- Outline in process
- Agenda development - Survey for feedback sent out Tuesday August 11, 2026

GCRMC simplified conceptual diagram that depicts these LTEMP Resource Goals in Glen Canyon, the linkages among them, and the specific metrics that are used to monitor status of these Goals.

Note, the scope of Natural Processes discussions will be broader than depicted and include, for example, sediment and tributaries as key environmental drivers of food web dynamics.





Next Steps

- **Contacts for** Natural Processes, Rainbow Trout Fishery, and Recreation (Angling) Knowledge Workshop
 - Deb Williams, Jim Stroger, Bill Persons – TWG reps
 - Bill Stewart, Jeremy Hammen - Reclamation
 - Mark Anderson, - GCMRC
 - Daniel Bullets - Southern Paiute Consortium
 - Seth Cohen and Elyse Magen - Udall facilitators
 - Coordinate with anyone above regarding survey completion or any questions.
- Will close survey by August 28, 2026.

*** Future Workshop Planning

- Program Processes and Tribal Resources – Summer of 2027
- Talk to Jeremy, Bill (Reclamation) or Seth Cohen (cohen@udall.gov) about any initial ideas for these future workshops.

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Sharepoint:

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