

KNOWLEDGE WORKSHOP: ARCHAEOLOGICAL AND CULTURAL RESOURCES, WHITEWATER RECREATIONAL EXPERIENCE, SEDIMENT, RIPARIAN VEGETATION

KEY INFORMATION:

Objectives of the Knowledge Workshop:

- Inform GCDAMP stakeholders about LTEMP resource history, current management practices, and existing gaps or concerns
- Provide baseline background information on the resource goals of LTEMP to create shared understanding of the resource.
- Identify potential knowledge gaps from stakeholders and discuss ways to try to address those gaps moving forward.

Location:

GCMRC Campus

2255 N Gemini Rd, Flagstaff, AZ 86001

Astrogeology Science Center (the Shoemaker building) Building 6*

** The building is closest to Buffalo Park. There is a flagpole at the entrance (red dot below). When you enter the building, please take an immediate right into the meeting room.*



Virtual Participation Options:

In-person is welcome and highly encouraged for TWG/AMWG members and invited participants. Virtual option available for anyone who cannot travel or for those not invited to be in person and observing the sessions. To join online, see registration links below:

- Team Registration Link: [Sediment, Vegetation, Cultural Resources, and Recreation \(White-Water\) Workshop Day 1 | Join meeting in Teams | Microsoft Teams](#)
- Team Registration Link: [Sediment, Vegetation, Cultural Resources, and Recreation \(White-Water\) Workshop Day 2 | Join meeting in Teams | Microsoft Teams](#)
- Team Registration Link: [Sediment, Vegetation, Cultural Resources, and Recreation \(White-Water\) Workshop Day 3/TWG | Join meeting in Teams | Microsoft Teams](#)

Schedule:

- Day 1: Tuesday, September 22 | 8:30 – 5:00 pm MST Arizona Time
- Day 2: Wednesday, September 23 | 8:30 – 5:00 pm MST Arizona Time
- Day 3: Thursday, September 24 | 8:30 – 5:00 pm MST Arizona Time

All sessions will start promptly at 8:30. Participants are expected to arrive by 8:15 am.

See folder "[Cultural and Archaeological, Recreation \(Whitewater\), Sediment, Vegetation Resources](#)" for reference materials to prepare for the workshop.

FINAL AGENDA

Tuesday, September 22, 2026

8:30 am WELCOME

- Objectives:
 - Introductions
 - Opening remarks from Reclamation

9:00 am BIG PICTURE OVERVIEW: HOW DID WE GET HERE

- Objectives:
 - Set the stage for the resources discussed in this workshop.
 - Frame interactions among resources and how LTEMP actions can improve linked benefits.
 - Clarify origins of management goals.

9:45 am RESOURCE CHANGE FROM THE PRE-DAM PERIOD TO THE START OF LTEMP

- Objectives:
 - Discuss history of resources and how changing conditions has led to additional research.
 - Describe how learning from past research led to the design of current monitoring programs for veg, cultural resources, white water recreational experience, and sediment.
 - Opportunity for Q&A and discussion

***This session will have two expected breaks. There will be a mid-morning break and an offsite lunch break expected from 12:00-1:15**

2:25 pm SESSION ON SPECIAL TOPICS

- Objectives:
 - Topic 1: Present on Grand Canyon as refuge, Hualapai cultural connections, and pre-dam conditions to current conditions.
 - Topic 2: Present on the work that is being conducted by other entities that affects these resources, including background on legal frameworks.

***This session is expected to have an afternoon break**

4:50 pm DEBRIEF / WRAP-UP

- Objectives:
 - Reflect on key takeaways from Day 1

5:00 pm ADJOURN

Wednesday, September 23, 2026

8:30 am WELCOME

- Objectives:
 - Discuss takeaways from Day 1, review Day 2 agenda topics
 - Survey exercise

9:00 am MONITORING DESIGN DURING LTEMP

- Objectives:
 - Introduce metrics.
 - Answer questions about monitoring design, data collection, and use of data.
 - Discuss implications of changing the scope (frequency, sample size, methods, etc.) of existing monitoring programs to reduce costs.
 - Discuss whether there is essential monitoring data not currently being collected but that should be to meet the intent of GCPA or LTEMP.
 - Opportunity for Q&A and discussion

*** This session will have two expected breaks. There is a mid-morning break, and a second break for lunch anticipated from 11:40-12:55.**

12:55 pm ROTATING INTERACTIVE METHODS STATIONS

- Objectives:
 - Provide stakeholders with hands on examples using demonstrations and hands on sampling techniques.

2:10 pm RESOURCE TRENDS DURING LTEMP

- Objectives:
 - Overview of how each resource has changed under LTEMP flow patterns and aspects of dam operations that matter for each resource.
 - Presentation on experiments (flow and non-flow), resource goals or desired conditions, and management decisions.
 - For each resource distinguish among monitoring that:
 - Informs triggers for experimental flows or other management actions related to the resource goal.
 - Evaluates progress toward resource goal.
 - Improves predictive understanding of resource responses and underlying drivers.
 - Opportunity for Q&A and discussion

***This session is expected to have short afternoon break.**

4:50 pm DEBRIEF / WRAP-UP

- Objectives:
 - Reflect on key takeaways from Day 2

5:00 pm ADJOURN

Thursday, September 24, 2026

8:30 am WELCOME

- Objectives:
 - Discuss takeaways from Day 2 and review Day 3 agenda topics

9:00 am RESOURCE INTEGRATION

- Objectives:
 - Present on resource interactions.
 - Opportunity for Q&A and discussion.

***This session will have a mid-morning break.**

10:20 am TRIBAL ROUNDTABLE

- Objectives:
 - Provide context for Tribal positions on these resources.

11:05 am KNOWLEDGE GAPS: CONNECTING RESOURCE GOALS, MONITORING, AND MANAGEMENT DECISIONS

- Objectives:
 - Provide a framing presentation of knowledge gaps from GCRM perspective.
 - Participants discuss the most consequential knowledge gap(s) limiting progress toward the goal (Small groups and in plenary).
 - Consider whether closing a knowledge gap would meaningfully improve a management decision.

***This session will have two breaks. The first is an offsite lunch break expected from 12:25-1:40. A second afternoon break is also expected.**

3:45 pm FUTURE CONDITIONS

- Objectives:
 - Participants and presenters work through discussion questions on resource management in future scenarios.

4:45 pm DEBRIEF / WRAP-UP

- Objectives:
 - Reflect on key takeaways from Day 3
 - Discuss any next steps

5:00 pm ADJOURN