Glen Canyon Dam Adaptive Management Work Group
Agenda Item Information
August 26-27, 2015

Agenda Item
Tribal Liaison Report

Action Requested
Information item only; we will answer questions but no action is requested.

Presenter(s)
Sarah Rinkevich, Glen Canyon Dam Adaptive Management Program Federal Tribal Liaison

Previous Action Taken
N/A

Relevant Science
N/A

Summary of Presentation and Background Information

Deputy Assistant Secretary for Water and Science Lori Caramanian will provide an update on the Tribal Consultation Plan.


Sarah Rinkevich will report on presentations at the Native American Fish and Wildlife Society conference in Reno and other activities from February through August 2015.
Glen Canyon Dam Adaptive Management Program
Joint Tribal Liaison Report
February – August 2015

Photo Credit: Beverly Hefferman

Sarah E. Rinkevich and Loretta Jackson-Kelly
DOI Joint Tribal Liaisons
Adaptive Management Program
Joint Tribal Liaison Report

• Consultation meeting with Zuni Cultural Resources Advisory Team meeting

• Southwest Native American Fish and Wildlife Society Conference

• Integrated Stakeholder River Trip
Zuni are connected to the sacred Grand Canyon which is articulated within their ceremonies;
Green sunfish in Glen Canyon are an issue and they should be removed;
DOI agencies are just now understanding that the taking of life in the Grand Canyon is unacceptable and Zuni is glad they are finally taking a step back;
Understand the AMP, but do not agree with everything that DOI agencies do; and
Let Mother Nature take her course!
29th Annual Southwest Native American Fish and Wildlife Society Conference

Photo Credit: Lawrence Abeita
Tribally Led Integrated Stakeholder River Trip
July 17-27, 2015

• “An Exchange of Western Scientific Values and Native American Perspectives (TEK)”
• Agenda developed by JTLs and Tribal Reps
• Objectives included:
  • Provide an opportunity for Tribal representatives and GC DAMP stakeholders to learn about current river issues and;
  • Articulate the respective Tribal concerns and perspectives in a field situation.
Talking Circles; consist of Introductions, Presentations, Open Dialogue & Traditional Prayers & Ceremonial Offerings

Photo Credit: Adam Arellano
Partners in Science Youth Program

River Mile 22

Participants on our trip conducted public outreach and education for the Grand Canyon Youth Program

Photo Credit: Adam Arellano
Partners in Science Youth Program

Youth concerns and issues mainly focused on climate change and impacts for future resource use, specifically water and the balancing of economics versus environmental factors.
South Canyon River Mile 31R

Photo Credit: D. Hubbs
South Canyon Tribal Perspectives

- Paiute acknowledge that rock writings are like a family book, i.e. genealogy.
- Rock writing conveys family values such that a family learns what to do and what not to do.
- Southern Paiute Consortium is asking what is affecting cultural areas, i.e. yellow paint, Female paint; why is the paint exposed?
- Traditional knowledge is shared in various stages during the four seasons; winter, spring, summer, and autumn. So it is appropriate to visit cultural sites during these different seasonal time frames.
Vasey’s Paradise

NPS doing dye studies up above Vasey’s to see if the dye comes out. Anticipate dye takes 24 hours to re-appear. Most ground water comes from snow melt, therefore snow pack and climate change are important data for spring studies.

Photo Credit: L. J.- Kelly
Red Wall Cavern
RM 33.3 L
Backwater Fish Seining
River Mile 45
Collecting Fish Data
HFES

• Sand bar with Aeolian carried sand causes small backwater area for fish. Many of these areas are now gone. At this place GCMRC did seine-net studies and looked at ratio of native to non-native fish.

• Now through changes in vegetation with cat-tails coming in, these little fisheries are disappearing, being replaced by drier plants and phragmites (common reed).

• Hopi are concerned about riparian habitats. Need 50k to 80k cfs to recover plants. If conditions are opportunistic for plants, i.e. HFES, there also needs to be an understanding towards a holistic approach that takes into account both fish and plants, and not just being concerned with fish and not plants.
Nankoweap  
"Place of the Big Battle"

Tribal concerns: Artifact Collection Piles are being found at various archaeological sites.
Nankoweap Granary

Photo Credit: Brian Sadler
Little Colorado River
“Ha’thi:el” Salty Water
RM 62

Photo Credits: D. Hubbs
Little Colorado River (LCR) RM 62

Photo Credit: D. Hubbs
Willows in the past, comprised 1/3 of the trees in the Grand Canyon but now beavers wiping them out. Habitats start to evolve in areas that had tamarisk which is also dying out due to the introduction of the tamarisk beetle. NPS did test pilot to see what happens if they removed tamarisk and replanted willows and other natives. Question...what is the importance of tamarisk roots in holding sediment? If larger HFEs here, it would need to be at 50k cfs in order to do natural plant renovations.
Shinumo Creek RM 109.2 - Humpback Chub suffer from effects of flood and fire events
RM166 at National Canyon. Loretta mentioned that in the 1990s she brought Hualapai Elders down the river. She talked about lightning strikes on the canyon wall opposite (north side) of National. Part of the Coyote teaching is where 7 sisters were transformed into buffalo, and as they ran, they ran into this canyon wall, and broke through which created this unique land form. They continued running towards the east and eventually arrived in a very wet, cold land where the waters were frozen. The buffalo girls kept running to the east and they went to the edge of this land by the water. This is the story of how the buffalo came to be.

Note: We did a short hike up National Canyon towards the falls. Canyon has changed due to floods. There was a huge boulder blocking the narrow canyon, so we could not get up to the main fall.

Photo Credit: Loretta Jackson-Kelly
Whitmore Panel RM 188

Photo Credit: Adam Arellano
Whitmore Panel

NPS discussion regarding re-routing of trail and rock guards to protect rock writing panels.

Photo Credit: Adam Arellano
Granite Park RM 209

Tribal Perspectives. Granite Park was gathering place for both Hualapai and Paiute.
Granite Park  Goodings Willow

Photo Credit: D. Hubbs
Granite Park Rock Shelter

Photo Credit: D. Hubbs
Granite Park

View to River from rock shelter

Photo Credit: D. Hubbs
Pumpkin Springs RM 215

Photo Credit: Adam Arellano
The Skywalk
RM 265.5
Hualapai Tribe’s
Grand Canyon Resort
Corporation’s
economic enterprise
Bank Slumping: Below Diamond Creek

Photo Credit: D. Hubbs
Take-out at Pearce Ferry RM 280

Photo Credit: Adam Arellano