



Expanded Non-Native Aquatic Species Management Plan Environmental Assessment

U.S. Department of the Interior
National Park Service

Grand Canyon National Park
Glen Canyon National Recreation Area
Intermountain Region



Expanded Non-Native Aquatic Species Management Plan below Glen Canyon Dam

Presentation to TWG

June 25, 2018



Changes in response to comments, meetings and consultations

- Alternatives
 - Reduced to one action alternative
- Triggers
 - Several meetings and comments regarding triggers
 - For most actions we have adjusted wording of the triggers to remove the one or two year delays between tiers based on comments/concerns
 - Added some limitations for chemical treatment actions based on risk level of species.
 - For Brown trout triggers we have met several times with GCMRC, USFWS, Reclamation and AGFD and are working on two types of modeling to ensure that the triggers are tied to risks to the humpback chub population. We will disclose assumptions/values and their references in the EA
 - Triggers may be adjusted annually in response to new modeling or information and will be discussed with TWG for any adjustments
- Incentivized Harvest
 - Added details on guided harvest trips for Tribal youth and Tribal members based on consultations.
 - Discussed development of educational materials with a focus on respectful harvest.
 - Will not use the term 'bounty' but rather 'restoration reward'
 - Meetings with AGFD and GCMRC are leading to careful pricing structure for the restoration reward – will remain adaptable



Changes in response to comments, meetings and consultations

- YY males
 - A number of concerns were expressed in comments, meetings and tribal consultations
 - We have pulled the YY male actions out of the tiered structure and written language for them being a separate experimental possibility
 - We have added language about a review of the science (studies and modeling) after brood stock becomes available (likely between 5-10 years). We added language specifically stating that we bring this review before the TWG at that time for discussion and we would consider whether any additional planning/consultation is needed
- Live transport/relocation
 - During Tribal consultations with Zuni and Hopi we discussed this possibility and our understanding is that these Tribes would be in support of this
 - We have discussed with AGFD and to some degree with Utah and many biological concerns have been expressed about this that we are discussing further
- Coordination with AGFD
 - Adding language regarding a specific consultation with AGFD to seek consensus prior to changing brown trout triggers or enacting brown trout mechanical removal. This language will be fully consistent with our enabling legislation for Glen Canyon National Recreation Area and with the existing MOU between AGFD and NPS



Next Steps/Timeline

- We are currently writing the EA – expect it should be 50-75 pages in length for main plan but may have some larger appendices.
- Admin draft EA to cooperating agencies and tribes – expect 2 week review July 16-27.
- Public draft EA likely to be released August 13.
- Consultation with tribes as scheduled

