

Agenda and notes 03/06/2024 Rapid Response Tech Team

Purpose- biweekly technical call including management agencies & GCMRC to relay recent findings and discuss future sampling efforts, needs, and potential actions.

Participants (from Teams app)

Melissa Trammell, Bud Fazio, David Ward, Laura Tennant, Shaula Hedwall, Jeremy Hammen, Dan Leavitt, Kim Dibble, Drew Epehimer, Dave Rogowski, Sky Hedden, Brian Hines, Jeff Arnold, Matt O’Niell, Scott Rogers

I. Recent trips and findings

Last meeting/report out was 02/21/2024. – no new sampling since January

Quick report on sampling as of 03/06/2024:

GRCA – no sampling

GLCA – 1 fyke and 21 FMS, 1 RBT, 1 fyke 18 FS, a couple of GSF – lower slough. No fish or salamanders in upper slough. Done for the week. Will be outfitting new jon boat. Additional sampling next week – EF lower Slough during the day. Slough is turbid (maybe carp stirring things up).

Eggs and salamanders last year in minnow traps – mid march.

Plan for mid may net curtain with large floats to block entry to adult SMB. Will PIT tag all fish (FMS, RBT, adult carp, put outside slough, to check for movement past net.

GCMRC – no sampling updates

AGFD – Trip next week. Normal 40 site fish community monitoring. And downstream trip on April 2.

FWS – no updates. [Flood Protection, Erosion Control, Water Barriers & More - TrapBag](#) – may be used to block waterways – can be filled with anything – cobble, sand, etc.

II. DISCUSSION OF NEW FINDINGS

New concerns?

D. Ward – call from D. Foster – in his experience trout fishing is as bad as it has ever been, no evidence of spawning or Redds. Scott R says he has similar reports. Despite good condition of fish going into winter. Low numbers mean more difficult to observe. May pick up later. Temp is still 8.

III. Upcoming trips and other future plans –

2024 sampling and monitoring

GRCA – see schedule below – have some boatmen lined up

GLCA – see schedule below. On this river this week. Still looking for boatmen this week, but GRCA should have contract out – but may take 90 days to execute.

2 seasonal starting April 21, 1 full time term. Will advertise additional 7 and 9 terms soon.

Might need volunteers May and June – night electrofishing netters and boatmen

GCMRC – . TRGD April 4th. SEE Updated FULL SCHEDULE BOTTOM OF PAGE

AGFD – Next trip March 11;

FWS – also included on GCMRC list

Reclamation -

- a. Katherine Tucker mapping - [Sign In \(arcgis.com\)](https://arcgis.com) Katherine detail ends Friday. She will share how to update with Reclamation so they can update, but will not be live linked. Will be updated monthly at minimum.
- b. Jeremy – hydroacoustic sampling at outflows/trawl net - update?
 - i. Shared videos of how the outflow tucker trawl net was deployed – with a boom truck. Difficulty getting it to stay down, and close to outflow. Could probably do with winches, do not need boom. Strong eddy current in front of outflow made it point upstream and circle around, but eventually caught by discharge and deployed in the correct direction. But needs more weight to hold it down. Continuing to discuss improvements.
 - ii. Jan 25, time TBD. Flow was xxx 11,900 approx? – awaiting data from dam operators. Ran for a few hours, no fish. Shells and algae. tried some plankton nets with some success, but much smaller nets.
 - iii. Kim – is the idea for it to rest on the bottom or somewhere in water column? *Intended to sample the water column, or anywhere depending on weight.* How to weight correctly? *Still discussing.* With shells and algae, is there a chance for biofouling? Could use baffles/planer boards to get it to dive. *Will keep working at it.*

IV. Old Business –

- a. Report out to AMWG (Melissa) – see pdf of presentation in email
- b. Report out on slough modification discussion. – NPS still discussing but moving forward. Have formed IDT to discuss design elements, impacts, and determine NEPA compliance pathway. Bud – Rob will be calling on various expertise – part of planning process.
- c. **Kim, Laura and Dave Ward** will work together to coordinate with Lynn Hamilton on GTS. Asked about the possibility of live fish for display - Lynn reached out to determine if that might be a concern for tribal sensitivities. So no live fish at this GTS. Might follow up with tribes later, in advance of next year. NPS will have booth, and available for sharing printed materials.
Would like more live fish – SMB. Eric Frye is working on that – permits and transport. Drew – permits are in place to collect more and/or purchase Age0 from hatcheries. Can also collect from Lake Powell.

V. New Business – AMWG appreciated the presentation, particularly the amount of effort that has been expended on Rapid Response.

VI. Anything else?

- a. Let Melissa know if there is anything you'd like to see on next agenda.

Adjourn - 4:20

GCMRC, Cooperator, and Tribal River Trips and Field Activities

VII. Occurred or Planned 2024

Launch	Take out	Description
25-Jan	30-Jan	Lees Ferry trout population monitoring
14-Feb	1-Mar	Quality of Water/fine sediment monitoring
11-Mar	14-Mar	Lees Ferry fish population monitoring
3-Apr	17-Apr	Mainstem Fish, non-native (electro shocking)-AZGFD
4-Apr	9-Apr	Lees Ferry trout population monitoring
9-Apr	26-Apr	Aquatic Foodbase monitoring (drift)
16-Apr	26-Apr	LCR HBC, camps at three locations on Little Colorado River
20-Apr	29-Apr	Hopi Cultural Monitoring
23-Apr	12-May	Juvenile HBC monitoring-April 27 Launch downstream Lees Ferry
27-Apr	6-May	Navajo Cultural Monitoring
2-May	21-May	Survey Control Network
13-May	30-May	Cultural Resource Monitoring
17-May	31-May	Mainstem Fish, non-native (electro shocking)-AZGFD
21-May	31-May	LCR HBC, camps at 4 locations on Little Colorado River
25-May	3-Jun	Zuni of Pueblo Cultural Monitoring
6-Jun	20-Jun	Grand Canyon Youth-"Partners in Science"
8-Jun	17-Jun	Southern Paiute Consortium Cultural Monitoring
12-Jun	21-Jun	Hualapai Cultural Monitoring
26-Jun	5-Jul	Grand Canyon Youth-"Partners in Science"
27-Jun	8-Jul	LCR Juvenile HBC monitoring (3 camps)
3-Jul	18-Jul	Grand Canyon Youth-"Partners in Science"
3-Jul	4-Jul	TRGD
5-Jul	24-Jul	Juvenile HBC monitoring
8-Jul	12-Jul	Lees Ferry trout population monitoring
18-Jul	30-Jul	Mainstem Fish, HBC-Seining
13-Aug	16-Aug	Lees Ferry-Terrestrial Vegetation Monitoring
14-Aug	30-Aug	Fine Grain sediment monitoring
24-Aug	9-Sep	Terrestrial Vegetation Monitoring
9-Sep	11-Sep	Terrestrial Vegetation Monitoring
28-Aug	16-Sep	Mainstem Fish, HBC-aggregations (netting)
5-Sep	10-Sep	Juvenile HBC Monitoring in Glen Canyon

Yackulic, C.B., Bair, L.S., Eppehimer, D.E., Salter, G.L., Butterfield, B.J., Caster, J.J., Deemer, B.R., Fairley, H., Grams, P.E., Kasprak, A., Palmquist, E.C., and Sankey, J.B., 2024, Modeling the impacts of Glen Canyon Dam operations on Colorado River resources [presentation], LTEMP SEIS meeting (virtual), January 31, 2024: Flagstaff, Ariz., US Geological Survey, Southwest Biological Science Center, Grand Canyon Monitoring and Research Center, <https://www.usgs.gov/centers/southwest-biological-science-center/science/modeling-impacts-glen-canyon-dam-operations>

GRCA Sampling Schedule 2024

Dates	Trip
April 9-10	PBR-BW
April 15-19	PBR-EF
May 7-8	PBR-BW
May 20-24	PBR-EF
June 4-5	PBR-BW
June 10-13	PBR-EF
June 19-30	HBC AGG/NN Surveillance Downstream
July 8-12	PBR-EF
July 23-24	PBR-BW
July 29- Aug 2	PBR-EF
Aug 13-14	PBR-BW
Aug 19-23	PBR-EF
Sept 9-12	PBR-EF
Sept 23-30	NN Surveillance SN/eDNA Downstream
Oct 7-10	PBR-EF
Oct 21-Nov 1	NN Surveillance EF Downstream
Nov 11-15	PBR-EF
Nov 25-29	PBR-EF

GLCA Sampling Schedule 2024. Dates and locations may change in response to monitoring results to focus on high density areas.

WEEK OF:	Description
March 5	GLCA electrofishing
April 1	GLCA electrofishing
April 8	GLCA Netting
April 15	GLCA electrofishing
April 22	GLCA Netting
April 29	GLCA electrofishing
May 6	GLCA Netting and Slough Block Net Installation
May 13	GLCA electrofishing
May 20	GLCA Netting
May 27	GLCA electrofishing
June 3	GLCA Netting
June 10	GLCA electrofishing
June 17	GLCA Netting
June 24	GLCA electrofishing
July 1	GLCA Netting

July 8	GLCA electrofishing
July 15	GLCA Netting
July 22	GLCA electrofishing
July 29	GLCA Netting
Aug 9-12	Potential chemical treatment of slough if needed
Aug 5	GLCA electrofishing
Aug 12	GLCA Netting
Aug 19	GLCA electrofishing
Aug 26	GLCA Netting
Sept 3	GLCA electrofishing
Sept 9	GLCA Netting
Sept 16	GLCA electrofishing
Sept 23	GLCA Netting
Sept 30	GLCA electrofishing
Oct 15	GLCA electrofishing
Oct 28	GLCA electrofishing
Nov 18	GLCA electrofishing