

Glen Canyon Dam Adaptive Management Program Annual Reporting Meeting 2022

WebEx: <https://rec.webex.com/rec/j.php?MTID=m1ed72729b30a2d7a003cd1f368765d09>

Phone: (415) 527-5035 Meeting number: 2760 197 2350

Meeting Password: Jan11

All Times Are Mountain Standard

TIME	Tuesday, January 11, 2022
8:30 – 8:40 (:10)	Welcome and Administrative: Seth Shanahan, Technical Work Group (TWG) Chair • Introductions: Michael Moran, Deputy Chief, USGS GCMRC
Fish Resources	
8:40 – 9:00 (:20)	Josh Korman, Ecometric , Rainbow and brown trout in Glen and Grand Canyon
9:05 – 9:20 (:15)	James Crossman, BC Hydro , Comparing the reproductive structure of rainbow trout and brown trout below Glen Canyon Dam and advancing methods to assign sex using non-lethal methods
9:25 – 9:40 (:15)	Dave Rogowski, AZGFD , Lees Ferry fish monitoring
9:45 – 10:00 (:15)	Mariah Giardina, USGS GCMRC and Josh Korman, Ecometric , Trout management flows literature review and hypsometric analysis
10:05 – 10:20 (:15)	Lucas Bair, USGS GCMRC , Trout management flows and hydropower modeling
10:20 – 10:40 (:20)	Panel Discussion: Fish Resources
10:40 – 10:50 (:10)	BREAK
Fish Resources – Cont.	
10:50 – 11:05 (:15)	Lucas Bair, USGS GCMRC , Brown trout incentivized harvest
11:10 – 11:25 (:15)	Charles Yackulic, USGS GCMRC , Fish modelling to support management decisions
11:30 – 11:50 (:20)	Jan Boyer, AZGFD , System-wide fish monitoring
11:55 – 12:35 (:40)	Maria Dzul, USGS GCMRC and Randy VanHaverbeke, USFWS , Humpback chub in Grand Canyon
12:40 – 1:30 (:50)	LUNCH/Virtual Poster Session
Fish Resources – Cont.	
1:30 – 1:45 (:15)	Emily Omana-Smith, NPS , Humpback chub translocations
1:50 – 2:05 (:15)	Bob Schelly, NPS , Brown trout control
2:10 – 2:25 (:15)	David Ward, USGS GCMRC , Channel catfish monitoring in the LCR
2:25 – 2:40 (:15)	Panel Discussion: Fish Resources
Aquatic Food Base/Water Quality/Ecosystem Drivers	
2:40 – 2:55 (:15)	Ted Kennedy, USGS GCMRC , Food base monitoring in 2021
3:00 – 3:15 (:15)	John Wehr, Fordham University , The changing benthic flora in the Glen Canyon Dam tailwaters
3:20 – 3:30 (:10)	BREAK
Aquatic Food Base/Water Quality/Ecosystem Drivers Cont.	
3:30 – 3:45 (:15)	Bridget Deemer, USGS GCMRC , pH regulates phosphorus cycling in the Colorado River
3:50 – 4:05 (:15)	Anya Metcalfe, USGS GCMRC , The role of insect abundance and riparian vegetation in driving bat foraging activity in Grand Canyon: insights from a community science project
Monitoring Metrics	
4:10 – 5:00 (:50)	Helen Fairley, USGS-GCMRC, Panel Discussion: Monitoring Metrics
5:00	Adjourn

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WebEx: <https://rec.webex.com/rec/j.php?MTID=m05d180d9f8538c0993ff253df6ebe4c2>

Phone: (415) 527-5035 Meeting number: 2764 095 3364

Meeting password: Jan12

All Times Are Mountain Standard

TIME		Wednesday, January 12, 2022	
8:30 – 8:40 (:10)	Welcome and Administrative: Seth Shanahan, TWG Chair Introductions: Joel Sankey, Acting Chief, USGS, GCMRC		
Tribal Resources			
8:40 – 8:50 (:10)	Lucas Bair, USGS GCMRC, Kurt Dongoske, Pueblo of Zuni, Reflection on the 2020 and 2021 Annual Reporting Meeting Tribal Resources Sessions		
8:50 – 9:10 (:20)	Doreen Martinez, CSU, TBD		
9:10 – 9:30 (:20)	Kristin Hoelting, CSU, TBD		
9:30 – 9:50 (:20)	Jakob Maase, Hopi Tribe, Hopi long-term monitoring program		
9:50 – 10:20 (:30)	Panel Discussion: Tribal Resources		
10:20 – 10:30 (:10)	BREAK		
Archeological Resources/Riparian Vegetation			
10:30 – 10:45 (:15)	Jennifer Dierker, NPS, 2021 LTEMP Section 106 Monitoring Results		
10:50 – 11:05 (:15)	Joel Sankey, USGS GCMRC, Geomorphic effects of dam operations and vegetation management for archaeological sites		
11:10 – 11:25 (:15)	Lonnie Pilkington, NPS, LTEMP experimental vegetation treatments in Grand Canyon National Park		
11:30 – 11:45 (:15)	Kelly Burke and Larry Stevens, GCWC, Riparian Ecosystem Rehabilitation in Glen and Grand Canyons: Lessons Learned for Future Projects		
11:50 – 12:05 (:15)	Brad Butterfield, NAU, Riparian vegetation monitoring and modeling		
12:10 – 12:25 (:15)	Joel Sankey, USGS GCMRC, Overflight remote sensing		
12:30 – 1:30 (1:00)	LUNCH		
Hydropower Resources			
1:30 – 1:55 (:25)	Clayton Palmer, WAPA, Update on hydropower resources		
Sediment, Sandbars, and Geomorphology			
2:00 – 2:25 (:25)	David Topping, USGS GCMRC, Sediment monitoring in Grand Canyon		
2:30 – 2:55 (:25)	Paul Grams, USGS GCMRC, Sandbar monitoring in Grand Canyon		
3:00 – 3:10 (:10)	BREAK		
Spring Disturbance Flow Panel Session			
3:10 – 4:10 (1:00)	Lightning talks: Ted Kennedy, USGS GCMRC, Introduction Bridget Deemer, USGS GCMRC, Nutrients David Lytle, OSU, Invertebrates Paul Grams, USGS GCMRC, Western Grand Canyon sediment Joel Sankey, USGS GCMRC, Aeolian sand Brad Butterfield, USGS GCMRC, Riparian vegetation Kim Dibble, USGS GCMRC, Aquatic vegetation Kim Dibble, USGS GCMRC, Brown trout early life stage Lucas Bair, USGS GCMRC, Recreation Bob Tusso, USGS GCMRC, Campsites Lucas Bair, USGS GCMRC, Synthesis of the SDF: Where do we go from here?		
4:10 – 5:00 (:50)	Panel Discussion: Spring Disturbance Flow		
5:00	Adjourn		