

GCD AMP - Annual Reporting Meeting Poster Session

Location: Doubletree by Hilton Phoenix North, 10220 N. Metro Pkwy Phoenix, AZ 85051

Tuesday Jan. 23 5:30 a.m. – 7:00 p.m. MDT

POSTER TITLE	AUTHORS
Primary production and disturbance dynamics in Glen Canyon tailwaters	Ian W. Bishop ¹ , Bridget R. Deemer ¹ , Robert O. Hall ³ , Thomas A. Sabol ¹ & Charles B. Yackulic ¹
Topographic Data from Airborne Image Acquisition of Colorado River Corridor in Grand Canyon National Park and Glen Canyon National Recreation Area: Digital Surface Models for 2002, 2009, 2013 and 2021 and Digital Elevation Model for 2021	Nat Bransky ² , Joel Sankey ¹ , Keith Kohl ¹ , Tom Gushue ¹
Four Band Image Mosaic of the Colorado River Corridor Downstream of Glen Canyon Dam in Arizona Derived from the May 2021 Airborne Image Acquisition	Nat Bransky ² , Joel Sankey ¹ , Lori Pigue ⁶ , Keith Kohl ¹
Debris flow risk at campsites in Grand Canyon	Erica Byerley ¹ and Thomas Gushue ¹
Effects of vegetative feedbacks on flood shape, sediment transport, and geomorphic change in dryland rivers	David Dean ¹ and David Topping ¹
Interactions between Colorado River Basin aridification, reservoir storage, and environmental resource management along the Colorado River in Grand Canyon, Arizona	Paul Grams ¹ , David J. Topping ¹ , Gerard Salter ¹ , Robert Tusso ¹ , Matt Kaplinski ¹ , and Katherine A. Chapman ¹
Humpback chub growth becomes resource dependent when released from temperature limitation	Lindsay E Hansen ¹ , Drew E. Eppehimer ¹ , Maria C. Dzul ¹ , Bridget R. Deemer ¹ , Charles B. Yackulic ¹
Hydrodynamic modeling of the Colorado River between Glen Canyon Dam and Lees Ferry, Arizona	Matt Kaplinski ¹
Developing a mechanistic modeling framework for aquatic invertebrate communities in dammed rivers	Angelika L Kurthen ⁴ , Theodore A Kennedy ¹ , David A Lytle ⁴
Riparian plant community metrics	Emily Palmquist ¹ , Brad Butterfield ² , and Claudia DiMartini ¹
Fine sediment modeling for assessing the potential impacts of dam operations on the downstream environment	Gerard Salter ¹ and Paul Grams ¹
Assessing geomorphic change for 454 river km of the Colorado River in Grand Canyon, AZ via continuous and high-resolution water surface and bed profiles	Shannon Sartain ¹ , Paul Grams ¹ , Matt Kaplinski ¹ , Katie Chapman ¹ , and Keith Kohl ¹
River management influences on archaeological site preservation: Results of more than a decade of monitoring geomorphic change along the Colorado River	Lauren L. Tango ¹ , Joel B. Sankey ¹ , Joshua Caster ¹ , Helen C. Fairley ¹
Automating Sensor to Cloud Workflows for Riparian Resources in Grand Canyon	Joseph Thomas ¹ and Thomas Gushue ¹
Continuous high-resolution suspended-sediment measurements and on-demand sediment budgeting in support of science and resource management	David Topping ¹
Observations of sandbar change during the April 2023 high-flow experiment	Robert Tusso ¹ , Paul Grams ¹ , Matthew Kaplinski ¹ , and Thomas Gushue ¹
New Population of Humpback chub discovered at Piute Canyon, Little Colorado River, AZ	David Ward ⁵

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