

Glen Canyon Dam Adaptive Management Program Published Research on Experimental Activities

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- Grams, P.E., 2006, Sand transport over a coarse and immobile bed: Baltimore, Johns Hopkins University, Ph.D. dissertation, 177 p.p.,
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- Korman, J., and Campana, S., 2005, Effects of 2003-04 fluctuating flows from Glen Canyon Dam on the early life history stages of rainbow trout in the Colorado River: Part 2: Effects on young-of-year habitat use, growth, and survival: Colorado River Ecosystem Science Symposium, Tempe, Ariz.
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Presentations at Recent TWG and AMWG Meetings

- October 25, 2004 AMWG, Melis and others, 1) WY 2004 sediment experimental update Paria River inputs and 41,000 vs. 45,000 cfs sand bar simulations, 2) Summary Paria River sand inputs July 1-Oct. 24, 2004, Coggins and others 3) Update on mechanical removal treatments [PowerPoint presentations].
- February 3, 2005 TWG, Melis and others, Experimental update on fine-sediment, 1) Review of Paria River sediment trigger and activity (2004-05), 2) Preliminary results of sand-bar area and volume changes as measured in the long-term monitoring sites measured repeatedly by the Northern Arizona University, Geology Department, 3) Preliminary results of the suspended-sediment mass balance for Marble Canyon for July 2004 through January 2005, as estimated by the USGS [PowerPoint presentation].
- March 2, 2005 AMWG, Melis and others, 1) Update on preliminary experimental results associated with the November 2004 high-flow test at Glen Canyon Dam, Coggins and others 2) Results of hoop net sampling to examine changes in juvenile humpback chub abundance and size before and after the

2004 experimental high flow, Korman and others 3) Review of conclusions from final report on rainbow trout studies in Lees Ferry reach [PowerPoint presentations].

August 30, 2005 AMWG, Melis and others, 1) WY 2004 experimental fine-sediment update between Lees Ferry and Diamond Creek, Sponholtz and others 2) Update on humpback chub translocation above Chute Falls (PowerPoint presentations].

March 8, 2006 AMWG, Wright and others, 1) Update on 2005/2006 tributary sand inputs and mainstem export-sand mass balance, 2) Update on specific experimental elements: 2a) Non-native fish suppression flows (5,000-20,000 cfs), 2b) Alternating low steady and low fluctuating flows (6,500-9,000 cfs versus steady 8,000 cfs), 2c) November 2004 High Experimental Flow, 3) summary of mass balance and experimental findings, Andersen and others, 4) Update on mechanical removal treatments, 5) Lees Ferry trout fishery summary, 6) Age structured mark recapture model of Grand Canyon HBC population using data through 2004, 7) Chute Falls translocation update [PowerPoint presentations].

May 2006 TWG, Topping and others, 1) Comparison of sediment-transport and bar-response results from the 1996 and 2004 controlled-flood experiments on the Colorado River in Grand Canyon, Draut and Rubin, 2) Final results of aeolian sediment-transport study: Implications for future weather monitoring in the Colorado River ecosystem [PowerPoint presentations].

August 1, 2006 TWG, Wright and others, 1) Sand transport during steady and low fluctuating flows in September/October 2005, Kennedy and others, 2) Comparison of food base data collected under steady versus low-fluctuating flows, Ralston and others, 3) Comparison of steady versus lowfluctuating flow aquatic sampling within backwaters, Anderson and others, 4) Update on nearshore temperature data collected under steady versus low-fluctuating flows [PowerPoint presentations].

November 9, 2006 TWG, Melis and others, 1) Status of sand supplies in the Colorado below Glen Canyon Dam, 2) Review of recommendations from Rubin and others memorandum of October 19, 2006, 3) perspectives on BHBF influence on biological and socio-cultural resources, Wohl and others, 4) Report of the physical resources monitoring peer review panel, with recommendation for ongoing high-flow sediment experimentation [PowerPoint presentations].

December 6, 2006 AMWG, Andersen and others, 1) Update on rainbow trout experimental studies in Lees Ferry reach, 2) Update on mechanical removal treatments, 3) Chute Falls translocation, Melis and others, GCMRC's experimental research update "sediment," 4) Update on 2004 sediment test findings, 5) 2006 status of sand supplies in the Colorado Below Glen Canyon Dam, 6) Beachihabitat building flow in FY2007, Overview of science recommendations, status of reports and update on BHBF science planning [PowerPoint presentations].