

**Glen Canyon Dam Adaptive Management Work Group**  
**Agenda Item Information**  
**August 24-25, 2016**

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Agenda Item

Science Behind High Flow Experiment Planning: From Chasing Storms in the Paria River Basin to Serving Data on the Web

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Purpose of Agenda Item

The purpose of this agenda item is to review the scientific activities required to plan and implement High Flow Experiments

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Action Requested

Information item only; we will answer questions but no action is requested.

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Presenter

David Topping, Research Hydrologist, U.S. Geological Survey, Grand Canyon Monitoring and Research Center

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Previous Action Taken

N/A

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Relevant Science

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Summary of Presentation and Background Information

This presentation will describe the steps required in the field, the laboratory, and on the web which are provided by GCMRC in support of planning for High Flow Experiments (HFE). In addition, this presentation will describe how the sediment-transport data served on the web are used as input to the model used to design HFE hydrographs, and how these data are also used to evaluate the model predictions and HFE response. An update on the current sediment status in Marble Canyon will also be provided.