

## KNOWLEDGE ASSESSMENT II

### 2<sup>nd</sup> SYNTHESIS WORKSHOP WITH TECHNICAL WORKGROUP

January 31 – February 1, 2012

Convened by: U.S. Geological Survey, Grand Canyon Monitoring and Research Center

**Workshop Location has Moved:** Radisson Hotel Phoenix, Conference Rooms B&C, 3600 N. Second Avenue, Phoenix AZ, TEL: 602-604-4900

### AGENDA

#### Day 1 — January 31

- 0930 - 0945** **Jack Schmidt** - Welcome, Introductions and Opening Remarks
- 0945 – Noon** **Scott VanderKooi** - Additional FY2011 annual reports on aquatic resources from key science cooperators – as follow up to October 2011 Aquatic KA Synthesis
- 0945 – 1020** **Brian Healy and Craig Paukert** - Humpback chub translocations and growth, survival, and emigration in tributaries; food webs in Bright Angel and Shinumo Creeks; National Park Service Fish Management Plan update
- 1020 – 1055** **Aaron Bunch** - Lees Ferry electrofishing surveys; downstream electrofishing surveys; brown trout abundance and distribution trends, plus Lees Ferry creel survey
- 1055 – 1130** **Randy VanHaverbeke** - Humpback chub monitoring in the Little Colorado River and mainstem Colorado River aggregations, humpback chub translocations
- 1130 – Noon** **Scott VanderKooi** - Questions and discussion
- Noon - 0100** **Lunch** – On your own
- 0100 – 0200** **Jack Schmidt** – Physical processes of the Colorado River in context; effect of dams, in context; a brief history of river science studies in Grand Canyon
- 0200 – 0245** **David Topping** – Physical controls on sediment-transport, erosion, and deposition
- 0245 – 0300** **BREAK**
- 0300 – 0345** **Ted Melis** – Overview of geomorphic framework, role of tributary debris flows, suspended-sediment transport, sandbars & flow of the Colorado River below Glen Canyon Dam – *Post-EIS Summary & Larger-Scale Ecosystem Implications*

**0345 – 0500 Paul Grams** – Understanding of sandbar changes and basis for reach-scale channel mapping to determine sustainability of bar building/maintenance

**Adjourn**

## Day 2 — February 1

- 0830 – 0845** **Welcome** - Introductions
- 0845 – 0930** **Helen Fairley -- Topic #1:** Understanding the Physical Context and Processes Affecting Cultural Site Preservation: Geomorphic Settings, Pre- and Post-Dam Environmental Processes, and the Role of Human Agency in Cultural Site Formation and Erosion
- 0930 – 1015** **Helen Fairley -- Topic #2:** Campsites as Products of Cultural and Physical Processes
- 1015 – 1030** **BREAK**
- 1030 – 1145** **Amy Draut** – Aeolian landscapes and sediment movement in the Colorado River corridor
- 1145 – 0100** **Lunch** – On your own
- 0100 – 0200** **David Topping** -- Physical template project (integrated quality-of-water monitoring & sand mass balance) – basis for needing continuous suspended-sediment monitoring throughout the Colorado River below Glen Canyon Dam
- 0200 – 0300** **Scott Wright** – Overview of sand transport models for Grand Canyon: strengths, weaknesses, and expectations for model predictions
- 0300 – 0315** **BREAK**
- 0315 – 0500** **Jack Schmidt & GCMRC** - *Wrap up & Discussion of the 2011-12 Knowledge Assessment – next steps: identify integrated experimental topics, future research & monitoring directions to support GCDAMP, etc.*

### Workshop Adjourns

**Note:** Workshop format is intended to be highly informal with Q/A and discussions ongoing throughout the program of talks, so as to inform, educate and promote understanding among all Technical Workgroup members prior to TWG meeting on February 2<sup>nd</sup> to discuss development of the FY 2013-14 Biennial Work Plan (see below for web access to workshop)

## **WebEx Information:**

Here's the information for the WebEx that people can use to participate remotely:

### **January 31, 2012:**

Topic: (20) KA II - Physical Resources Synthesis Workshop

Date: Tuesday, January 31, 2012

Time: 9:00 am, Mountain Time (Arizona, GMT-07:00)

Meeting number: 719 796 639

Meeting password: (This meeting does not require a password.)

Host Key: 729436

Click the following link to view or edit your meeting information, or to start your meeting.

<https://usgs.webex.com/usgs/j.php?ED=169358227&UID=494054892&RT=MiM1>

Teleconference: Audio Bridge: 703-648-4848

Security Code: 43903 followed by # sign.

### **February 1, 2012:**

Topic: (20) KA II - Physical Resources Synthesis Workshop

Date: Wednesday, February 1, 2012

Time: 8:15 am, Mountain Time (Arizona, GMT-07:00)

Meeting number: 714 252 778

Meeting password: (This meeting does not require a password.)

Host Key: 859809

Click the following link to view or edit your meeting information, or to start your meeting.

<https://usgs.webex.com/usgs/j.php?ED=169358572&UID=494054892&RT=MiM1>

Teleconference: Audio Bridge: 703-648-4848

Security Code: 43903 followed by # sign