

## Glen Canyon Dam Adaptive Management Program – Technical Work Group

### Annual Reporting Meeting

#### Day One: Aquatic and Fish Science

9:30a – 11:30a

#### I. Status and Trends of Native and Nonnative Fish

- A. Current and past methods of estimating fish populations in the Colorado River and its tributaries (??) [9:30-10:00]
1. Humpback Chub
    - Juvenile and adult populations ...
      - in the Colorado River (Persons, GCMRC) [10:00-10:15]
      - in the Little Colorado River (VanHaverbeke, USFWS) [10:15-10:30]
  2. Rainbow Trout
    - System wide abundance and trends (Anderson, AGF) [10:30 – 10:45]
    - Natal origins – Glen Canyon and Marble Canyon (Yard, GCMRC) [10:45 – 11:15]
  3. Other native and nonnative fishes (incl. brown trout) (Bunch, AGF) [11:15 – 11:30]

11:30a – 12:15p

B. Stakeholder/investigator roundtable

12:15p – 1p

Lunch

1p – 2p

#### II. Status and Trends of the Foodbase

- A. Colorado River (Kennedy, GCMRC)  
B. Little Colorado River (Kennedy, GCMRC)  
C. Bright Angel Creek (Healy, NPS)

2p – 2:25p

#### III. Native – Nonnative Fish Interactions

- A. Temperature effects on interactions (Ward, GCMRC)

2:25p – 3p

#### IV. Biological Opinion Triggers

- A. Methods and preliminary estimates (Yackulic, GCMRC)

3p – 3:15p

break

3:15p – 4p

#### V. Translocation Efforts

- A. Goals, effectiveness, and future work
1. Translocation in the Little Colorado River upstream from Chute Falls (Young, USFWS)
  2. Translocation in Shinumo and Havasu Creeks (Healy, NPS)

4p – 4:30p

VI. Nonnative Fish Control in Tributaries

A. goals, effectiveness and future work (Healy, NPS)

4:30p – 5p

VII. Stakeholder/Investigator Roundtable

Evening

VIII. Predicting the Future Condition of the Colorado River Ecosystem (Stevens, TWG)

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**Day Two:**

8a – 10a:

I. November 2012 High Flow Experimental Release

- A. Background on High Flow Experimental Releases: implementation strategy and assessment of success (Schmidt, GCMRC)
- B. Sediment monitoring program; Sediment delivery from tributaries and sediment transport by Colorado River (Topping, GCMRC)
- C. Preliminary findings concerning sand bar changes (Grams, GCMRC)
- D. Stakeholder/Investigator Roundtable

10a – 10:30a:

break

10:30a – 12:30p:

II. Tribal Monitoring

- A. Hopi
- B. Hualapai
- C. Southern Paiute
- D. Zuni
- E. Stakeholder/Investigator Roundtable

12:30p – 1:30p:

lunch

1:30p – 2:30p:

III. The Riparian Ecosystem

- A. Status and trends of vegetation (Ralston, GCMRC)
- B. Status and trends of tamarisk beetle (Chaudry, Makarick, NPS)

2:45p – 3:45p

IV. Archaeological and Geomorphic Studies

- A. On-going studies (Fairley, GCMRC)
- B. Future work (Draut, USGS)

3:45p – 4:30p

V. Stakeholder/Investigator/GCMRC Roundtable – “Long-Term Monitoring and Research about the Colorado River Ecosystem: Where Do We Go from Here?”