



Update on FY2016 Fisheries Protocol Evaluation Panel

**Technical Work Group Meeting
June 14, 2016**

David Braun (Sound Science) Exec. Coordinator for GCDAMP Science Advisors

Scott VanderKooi, Southwest Biological Science Center, Grand Canyon
Monitoring and Research Center

U.S. Department of the Interior
U.S. Geological Survey

Purposes of the Panel

- *An external review panel comprised of scientists with relevant expertise will be convened in either FY16 or FY17 to ensure that the quality and relevance of fisheries science being conducted by GCMRC and its cooperators is held to the highest of standards.*
- *They will make recommendations regarding the scope and direction of the program as well as provide an evaluation and recommendations for future work with respect to the level of effort, study design, and relevance of individual research activities.*

Panel Members

James T. Peterson
Assistant Unit Leader (Fisheries)
USGS Oregon Cooperative Fish and
Wildlife Research Unit
Oregon State University

Andrew F. Casper
Director
Illinois River Biological Station
Illinois Natural History Survey,
University of Illinois Urbana Champaign

Frank J. Rahel
Professor of Zoology and Physiology
University of Wyoming

Donald Jackson
Professor and Department Chair
Department of Ecology and
Evolutionary Biology
University of Toronto

Keith B. Gido
Professor
Division of Biology
Kansas State University



Panel Workshop Draft Agenda

- **Monday 8/1:** Afternoon arrivals and informal meeting with GCMRC.
- **Tuesday, 8/2:** Orientation, workshop rules, initial briefings at GCMRC; travel to Lees Ferry for lunch and presentations on-shore and on-river; camp with informal discussions in the evening.
- **Wednesday 8/3:** Final presentations at river, then travel back to Flagstaff by lunch; afternoon presentations by GCMRC and cooperator scientists with ample time for Q&A, open to stakeholders.
- **Thursday 8/4:** More presentations with Q&A in morning, open to stakeholders; panel meets in closed session in afternoon to begin discussing potential questions, comments, and recommendations.
- **Friday 8/5:** Panel meets in a closed morning session to finish discussing potential questions, comments, and recommendations; and assignments and timeline for completing draft report. Departures at/after lunch time.

Key Questions (*first two of four*)

- **What research and monitoring activities should be prioritized with respect to rainbow trout in Glen and Grand Canyons?**
- **What research and monitoring activities should be prioritized with respect to humpback chub, both around the Little Colorado River confluence, where most individuals are found, and at other locations that could potentially harbor secondary populations?**

Key Questions (*last two of four*)

- **What research and monitoring activities should be prioritized to track statuses and trends of native and nonnative fish species outside of fixed study locations?**
- **What research or monitoring is required to judge the effectiveness of ongoing experimental management involving translocation of humpback chub and removal of trout from Bright Angel Creek and potentially other locations?**

Questions and Discussion