



**Proposed Research and Monitoring Plan
for Evaluating Trout Management Flows
below Glen Canyon Dam**

**REQUEST AMWG SUPPORT FOR TWG
ACTION**

AZDFG, USFWS, GCRMC, Reclamation, Western

Initial thoughts/collaboration

- Valdez et al. 2010, SDM workshops, previous flow testing
- 2011 BiOp & EA require Reclamation to develop a study plan within 2 years to test flows for trout management
- Workgroup: AZDGF, GCMRC, USFWS, Reclamation, and Western
- Discussion paper and draft science plan developed for TWG consideration and discussion
- TWG ad hoc group proposed at Feb 2012 meeting
- Plan: TWG ad hoc will work with GCMRC and others to develop a science-based recommendation for Reclamation to meet BiOp requirements (2 years)

Objectives

2011 Non-Native Fish Control EA

- Sustain a healthy Lees Ferry trout population with a balanced age and size structure;
- Reduce annual production rates of rainbow trout in the Lees Ferry reach;
- Reduce emigration rates of rainbow trout from Lees Ferry to downstream reaches occupied by humpback chub.

Trout Management Treatments

- Redd stranding flows
- Age-0 Trout Habitat Limiting Flows
- Age-0 Trout Stranding/Displacement Flows
- Mechanical Removal of Age-0 Trout



Discussion

- Collaborate with fishing interests and the Marble Canyon business community
- Incorporate tribal perspectives and values when working to resolve concerns with fish management protocols in the canyon
- Incorporate trout management flows into a comprehensive Fish Management Plan
 - Recommendations should be compatible with a
 - Management plan for a Blue Ribbon Trout Fishery (AZDFG)
 - Native Fish Management Plan (NPS, AZDFG, USFWS)