

RECLAMATION

Managing Water in the West

Overview of FY 13-14 Budget Considerations

Bureau of Reclamation
Glen Canyon Dam
Adaptive Management Program
Adaptive Management Work Group
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U.S. Department of the Interior
Bureau of Reclamation

New Budget Considerations for FY 2013-14

- 1. The HFE Protocol and Non-native Fish Control EAs**
 - **Reclamation is working with GCMRC to ensure commitments in the EAs can be carried out if implemented.**
 - **Science Plan for HFE Protocol**
 - **Science Plan for Non-native Fish Control**
- 2. FWS 2011 Biological Opinion**
- 3. Compliance with National Historic Preservation Act**
 - **HFE Memorandum of Agreement (MOA)**
 - **NNFC MOA**
 - **Revising 1994 Programmatic Agreement**

2011 Biological Opinion

- **Humpback Chub Monitoring and Research**
 - **LCR and Mainstem Monitoring (Lines 7 and 9 in 2012 budget table)**
 - **Mainstem Aggregation Monitoring (Line 9)**
 - **Natal Origins Study (Line 14, monitoring of juvenile HBC in mainstem at LCR Confluence, monitoring of rainbow trout in Glen and Marble)**
 - **One-two year evaluation of flow and non-flow trout management actions**
- **Conservation Measures**
 1. **Re-Evaluation Points (Lines 51 and 57)**
 2. **Humpback Chub Translocation – LCR (Line 8) and Humpback Chub Translocation – Other Tributaries**
 3. **Humpback Chub Nearshore Ecology Study (Line 14)**
 4. **Humpback Chub Refuge**
 5. **Humpback Chub Monitoring and Mainstem Aggregation Monitoring (Lines 9 and 13)**
 6. **Bright Angel Creek Brown Trout Control**
 7. **High Flow Experiment Assessments (Lines 51 and 57)**
 8. **Dexter National Fish Hatchery Genetic Study**
 9. **Monitoring of Kanab Ambersnail (Line 15)**
 10. **Conservation of Mainstem Aggregations**

Green = AMP
Yellow = BR
Appropriations

NHPA S106 Compliance

➤ HFE Protocol MOA

- ✓ **Pre-Treatment** – Reclamation will work with the consulting parties to implement any treatment necessary prior an HFE for sites which may be adversely affected.
- ✓ **Monitoring** – Coordinate existing monitoring programs to gather necessary data to evaluate effects of HFEs to cultural resources.
- ✓ **Impact Avoidance or Mitigation** – Such treatment measures may include, but are not limited to, soil and stream bank stabilization, vegetation work, and placement of protective coverings, and ethnographic/ethnohistorical/ethnobotanical research and interpretation. Reclamation will fund or conduct archaeological excavations of adversely affected historic properties only if other measures are inadequate to protect the properties and with the concurrence of the consulting parties.

NHPA S106 Compliance

➤ NNFC MOA

Live Removal - Reclamation, to the maximum extent practicable, will remove non-native fish alive, thereby avoiding adverse effects. Two PBR test trips in 2012. Should live removal prove infeasible, Reclamation will reconsult with the Tribes and other consulting parties to determine acceptable mitigation for adverse effects of the action.

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Specific Line Items

- Line 20, Experimental Funds Carryover \$462,586 for 2013-14 to cover potential costs of non-native fish control.
- Line 27, PA and Treatment Plan \$521,013 to cover potential costs of treatment of historic properties effected by HFEs and other aspects of NHPA compliance.
- Line 54, AMWG Facilitation Contract, increased in 2012 by \$11,301 and Line 60, TWG Chair Reimbursement, increased by \$3,703 for contracted facilitation assistance in TWG.
- Line 51, AMWG Personnel Costs, line 52, AMWG Travel Reimbursement, line 58, TWG Member Travel Reimbursement, and line 59, TWG Reclamation Travel, decreased by \$3,751 each.
- Line 71, Compliance Documents, \$250,000 carryover, will be increased significantly for LTEMP, appropriated funds.