Nonnative Fishes Control Plan

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History & Schedule

- 2004 Assigned by AMWG
- 2005-2009
  - Multi-agency workshops
  - Draft plans
  - Pilot projects
- 2009 Draft reviewed by AMP Science Advisors
- 2009 GCMRC completes Revised Draft
- June 2009 review Revised Draft with TWG
- August 2009 present Final to AMWG
Revised Plan
(Science Advisor Revisions)

- Clarify Purpose
- Distinguish Science and Management Actions
- Include Contingency
- Include Estimated Costs
- Single Plan
Revised Plan Outline
(Science Advisor Revisions)

- Introduction and Purpose
- Background
- Review
  - Historical introductions
  - Available methods
  - Current activities
- Recommendations
Revised Plan Outline
(Science Advisor Revisions)

- Introduction and Purpose
- Background
- Review
- Recommendations
- Appendix: Species Descriptions
Recommendations

- Assumptions
- Monitoring - mainstem and tributaries
  - PEP review
- Removal
- Research
- Contingency
Recommendations

- Assumptions
- Monitoring - mainstem and tributaries
- Removal
- Research
- Contingency
Removal Recommendations

- **Mainstem – LCR reach**
  - Continue nonnative removal
  - Monitor native fish response

- **Tributaries**
  - Channel catfish removal in LCR

- **Other tributaries**
  - Bright Angel Creek – electrofishing, weir, chemical renovation
  - Shinumo Creek and other translocation sites
Research Recommendations

- Risk Assessment – which species pose the greatest risk to humpback chub?
- Occupancy Model – where are nonnatives found? May support catch rate, abundance
- Source Identification – where are nonnatives coming from?
- Others
Contingency Recommendations

- Response Triggers – Changes in:
  - Catch rates
  - Distribution
  - Species composition
  - Length composition
- Interagency consultation
- Nonnative Contingency
  Response Fund
Monitoring and Research Recommendations – Next Steps for GCMRC 2009-11

- Ongoing mainstem and LCR monitoring (PEP review)
- Research
  - Risk assessment
  - Occupancy model
  - Source identification