Low Steady Summer Flows 2000 Synthesis Project

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U.S. Department of the Interior
U.S. Geological Survey
Introduction & Background

- February 2000: Completion of Plan of Experimental Flows for Endangered Fish (SWCA 2000)
- April - September 2000: Implementation of experimental hydrograph
- 25 Studies initiated to evaluate effects of flows on physical, biological and cultural resources
- August 2008: AMWG requested synthesis of information
Hypotheses by Season and Hydrograph

- Hydrograph designed around life history of native fishes
- Spawning in Spring
- Summer larval development
- Early fall exotic fish disturbance
Synthesis Approach

Four Phases over approximately 2.5 years (reviewed/approved by Science Advisors)

- **Synopsis:**
  - **Phase I.** Summary of individual studies, data compilation and preliminary evaluation of data. Summary and evaluation of recommendations. Summer 2008.
  - **Phase II.** Workshop for secondary analysis in coordination with Science Advisors, Ecosystem Scientist, cooperators (incorporating conceptual modeling efforts). September 2008.
Synthesis Approach (cont’d)

- Synthesis (if recommended):
  - Phase III. Secondary analysis and synthesis and synthesis volume development. FY 2010.
  - Phase IV. Publication of synthesis volume. FY 2011. (Could be integrated with next SCORE report)


Phase III – Secondary analysis/synthesis – final drafts reviewed/edited September 2010

Phase IV – Completion and publication of synthesis FY 11
Current Status

**March** – Initiated synopsis and data consolidation through cooperative agreement with Northern Arizona University

**June** - Anticipate draft summary completed
## Summary Budget – Phase I & II

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<tr>
<th>Description</th>
<th>Amount</th>
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<tr>
<td>GCMRC – Biologist &amp; DASA (5 pp) and Ecosystem Scientist salary (3 pp)</td>
<td>34K</td>
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<td>NAU cooperator</td>
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<td><strong>Total Budget</strong></td>
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