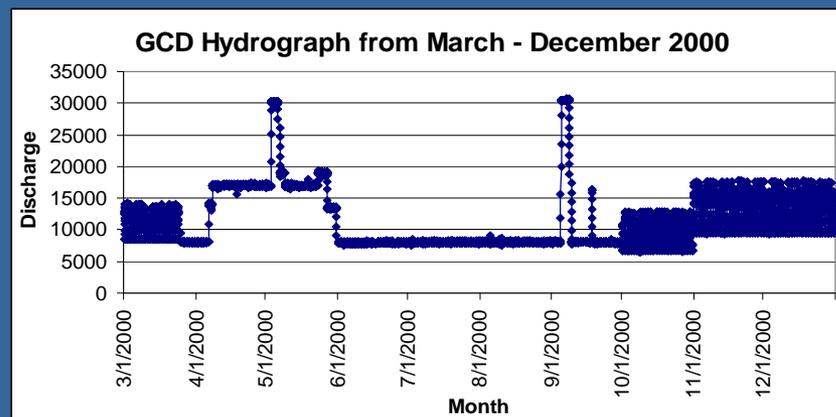


# Low Steady Summer Flows 2000 Synthesis Project

**B. E. Ralston, M.E. Andersen**  
**GCMRC**

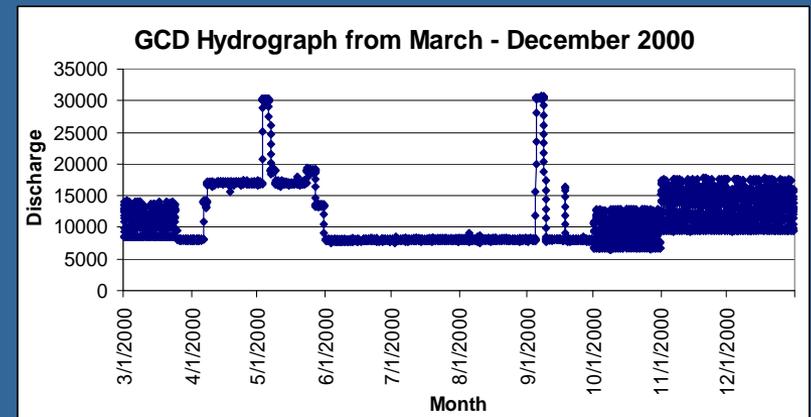


# Introduction & Background

- **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)**

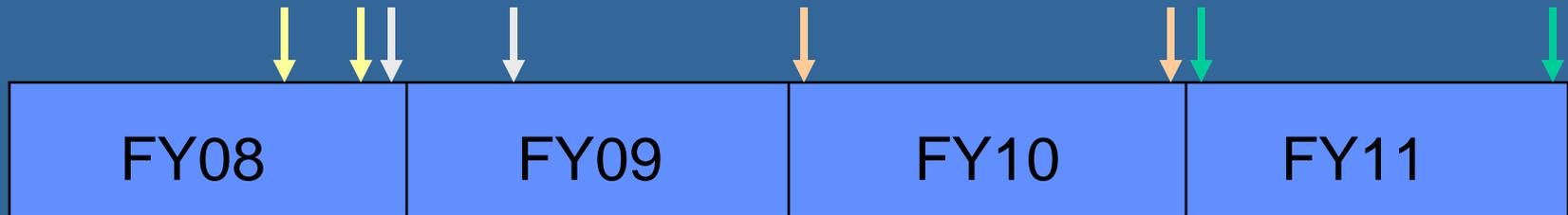
- **Synopsis:**

- **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 II (cont'd). Summary of workshop. Dec. 2008. If recommended, development of synthesis work plan for FY 2010.
  - 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)**

# Time Line and Products



- **Phase I – Draft Open File Report – July 2008; Open File Report Final - August 2008**
- **Phase II – Workshop – September 2008 – Workplan for subsequent synthesis (if merited/ID of additional funding needs). Draft November 2008, finalized December 2008**
- **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

<b>GCMRC – Biologist &amp; DASA (5 pp) and Ecosystem Scientist salary (3 pp)</b>	<b>34K</b>
<b>NAU cooperater</b>	<b>20K</b>
<b>Workshop &amp; Publications</b>	<b>32K</b>
<b>Supplies</b>	<b>1K</b>
<b>Overhead</b>	<b>13K</b>
<b>Total Budget</b>	<b>100K</b>