San Joaquin River Restoration Program

Fisheries Management Work Group
Technical Feedback Meeting

CSU-Stanislaus
June 24, 2009

Agenda

- Introductions
- Program Update
- Fisheries Management Plan
  - Schedule
  - Summary of Approach
  - Discussion
- Interim Flows Monitoring
- Implementation Planning

Draft, for discussion purposes only
**Introductions**

- Name
- Agency or Affiliation

**Program Update**

- Water Year 2010 Interim Flows EA/IS
  - NEPA/CEQA compliance doc for first year of Interim Flows
  - Document available on program website
  - Comments due July 6
  - See website for how/where to submit your comments

- Mendota Pool Bypass / Reach 2B Improvements Project
  - Notice of Intent/Notice of Preparation to be released mid-July
  - Scoping meetings in late July
  - Additional info will be sent to the Program distribution and on program website once available

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Program Timeline

- Phase I Projects
  - Mendota Pool Bypass and Reach 2B Channel Improvements
  - Reach 4B, Eastside Bypass and Mariposa Bypass Low Flow Channel and Structural Improvements
  - Arroyo Canal Fish Screen and Back Dam Fish Passage Improvements
  - Seasonal Barriers at Salt & Mud Slough

- Phase II Projects
  - Isolate priority gravel pits
  - Chowchilla bifurcation fish protection (if needed)
  - Modify 4B for 4,500 cfs (if needed)

Complete All Phase I Projects

Complete All Phase I Environmental Reviews

Start Phase I Project Environmental Reviews

Initiate Interim Flows

Final Program EIS/R

Draft Program EIS/R

Start Phase I Project Environmental Reviews

Technical Feedback Group and the FMP

- June 2008: Conceptual Model
- July 2008: Habitat Objectives, Population Objectives
- August 2008: Limiting Factors
- September 2008: Floodplain Alternative Concepts*, Decision Tree*
- October 2008: Restoration Strategy, Common to all Alternatives: Hills Ferry Barrier
- November 2008: Genetic Management: Reintro strategy, population goals
- December 2008: Interim Flows Study Needs, Alternatives Formulation
- January 2009: Detailed Summary
- February 2009: Detailed Summary (con't)
- March 2009: Internal Review
- April 2009: Agency Review

Part 1
Technical Feedback Group and the FMP

Part 2

- June 2009: Discuss draft FMP
- July 2009: Comments due on FMP
- August 2009: Draft Interim Flows Monitoring Plan
- September 2009: Draft Implementation Plan
- October 2009: Revised FMP
- November 2009: Implementation Planning/Monitoring
- December 2009: Site Specific Topics
- January 2010: Interim Flows
- February 2010: Interim Flows
- March 2010: Interim Flows
- April 2010: Interim Flows
- May 2010: Interim Flows

Fisheries Management Plan

- Monitoring
  - Population Objectives
  - Habitat Objectives
  - Real-time
  - Interim Flows
- Implementation Planning
  - Proposals
  - Workplans
  - Monitoring
  - Site specific (P 11)
  - 11.2
- Site Specific
  - Mendoza Pool/Reach 28
  - Reach 18
  - Sack Dam/Arroyo Canal
- Experimental Population Designation
  - FWS Permit
  - NMFS rule

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Fisheries Management Plan

Fisheries Management Plan: A Framework for Adaptive Management in the San Joaquin River Restoration Program
Fisheries Management Plan

DISCUSSION

Interim Flows Monitoring
Interim Flows

- Purpose is “... to collect relevant data concerning flows, temperatures, fish needs, seepage losses, recirculation, recapture and reuse”
- Flow Durations:
  - 2009 – 6 weeks during fall
  - 2010 – spring and fall
  - 2011 – year round flow
  - 2012 – year round flow
  - 2013 – year round flow
- No later than 2014 – Full Restoration Flows

WY 2010 Interim Flows

- Water Year 2010
  - October 1 to November 20, 2009
    - Approx max release of 700 cfs at Friant Dam
  - February 1 to September 30, 2010
    - Approx max release of 1,660 cfs at Friant Dam
- Flows based on water year type, downstream channel capacity, potential seepage impacts, and consistent with all necessary permits and agreements
- No flows in Reach 4B1
**WY 2010 Interim Flows Fisheries-Related Monitoring Activities**

- **Fish community assessment**
  - Characterize fish community
- **Fish Passage assessment**
  - Passage, stranding, and entrainment
- **Habitat assessment**
  - Characterize major habitat types
- **Water temperature monitoring**
  - Temperature at specific sites
- **Streamflow**
  - Flow at specific sites
- **Water quality constituents**
  - Measure select constituents
- **Sediment monitoring**
  - Sediment characterization, movement
- **Hills Ferry Barrier**
  - Management investigation
- **Macroinvert assessment**
  - Characterize macroinvert population

**WY 2010 Interim Flows Fisheries-Related Monitoring Activities**

- **General Proposals**
  - Justification
  - Goals and objectives
  - General approach
  - Lead contact(s)
- **Detailed Workplans**
  - All above, plus: detailed project description, budget, and agency responsibilities

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Implementation Planning

Addresses monitoring and restoration actions in a single comprehensive document

* Phased approach

Next Meetings

- Late August 2009
  - Location: CSU Stanislaus, Room to be determined
  - Time: 1:00 p.m. to 4:00 p.m.
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