

SAN JOAQUIN RIVER
RESTORATION PROGRAM



Water Management Technical Feedback Meeting


February 12, 2010
Visalia, CA

SAN JOAQUIN RIVER
RESTORATION PROGRAM





Agenda Overview


- Comments on Meeting Notes
- Status Update on Water Management Activities
- MC/FKC Capacity Correction / Reverse Flow Update
- Interim Flows / Recapture
- Restoration Flow Guidelines
- Public Comment
- Tentative Agenda for Next Meeting



Comments on Meeting Notes



Status Update on Water Management Activities



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Water Management Activities

- Restoration Flow Guidelines
- I6(a) Recapture & Recirculation
- I6(b) & Recovered Water Account
- **Part III Guidelines**
- Interim Flows
- Madera/Friant-Kern Canal Capacity Correction
- Friant-Kern Canal Pump-Back Facilities

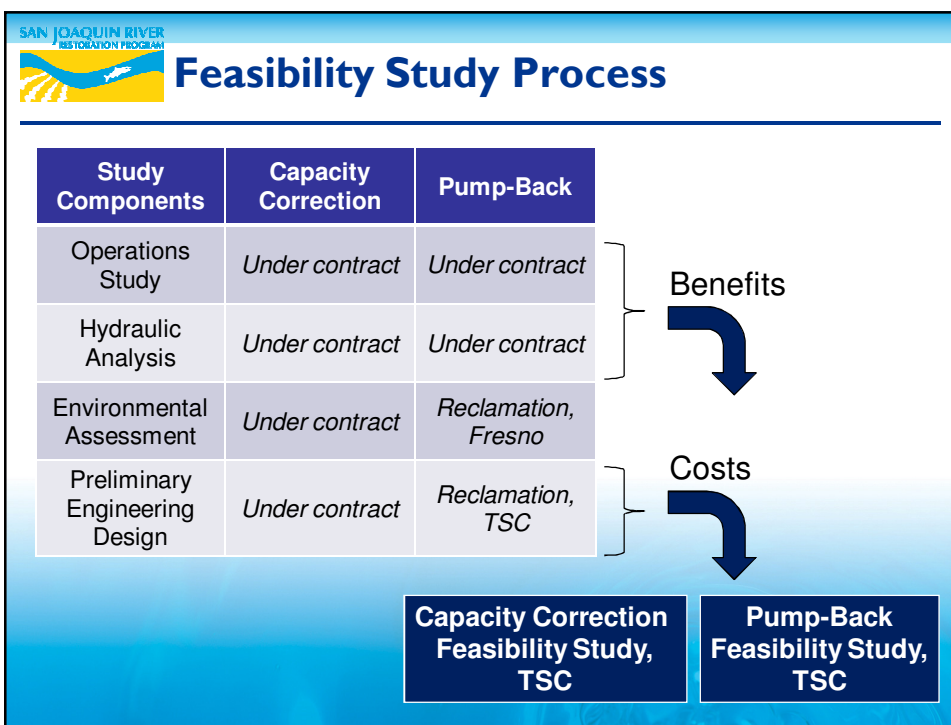
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Part III Guidelines - Schedule

2009	<ul style="list-style-type: none"> • Draft 1 - COMPLETE • Purpose: Reclamation Technical Review, Consultation w/ Friant Contractors
	<ul style="list-style-type: none"> • Draft 2 – IN PROGRESS • Purpose: Reclamation Policy Review
2010	<ul style="list-style-type: none"> • Draft 3 • Purpose: Public Comment
	<ul style="list-style-type: none"> • Final • Purpose: Adoption & Implementation




Madera & Friant-Kern Canals Capacity Correction Assessment and Friant-Kern Canal Reverse Flow Status Update






Feasibility Studies – Planning Steps

- Assumptions TM – Alternatives definitions, type of feasibility assessment
- Model Analysis Strategy TM – hydraulic and operational modeling strategy to provide project accomplishments (TAF to whom, when, for what) for use in economic benefit calculations
- Economic Benefit Analyses – economic benefits information related to project accomplishments, in accordance with selected feasibility approach
- Preliminary Design Reports – cost information
- Feasibility Study




Status of Technical Memos / Analyses

- Assumptions TM (Handout)
 - DRAFT - Seeking input from stakeholders
- Model Analysis Strategy TM
 - Administrative DRAFT will be based on:
 - Comments on DRAFT Assumptions TM
 - Comments from Modeling team(s)
 - Comments from Economics team(s)
- Economic Benefit Analyses
 - Pending completion of Model Analysis Strategy TM and Preliminary Design Reports




Preliminary Design Report – Capacity Correction Status

- Completed the initial hydraulic model capacity analysis for the FKC
 - Capacity constraints identified in model correspond with observations, review scheduled with FWA staff
- MC model is constructed
 - Refining model to reflect inconsistencies between design and actual conditions
 - Review being scheduled with MCWPA




Preliminary Design Report – Capacity Correction Progress...Cont.

- Alternative development began in January
 - Developing tables that identify the location and severity of the capacity deficiencies
 - Alternatives may include partial implementation
 - Value Planning session being scheduled



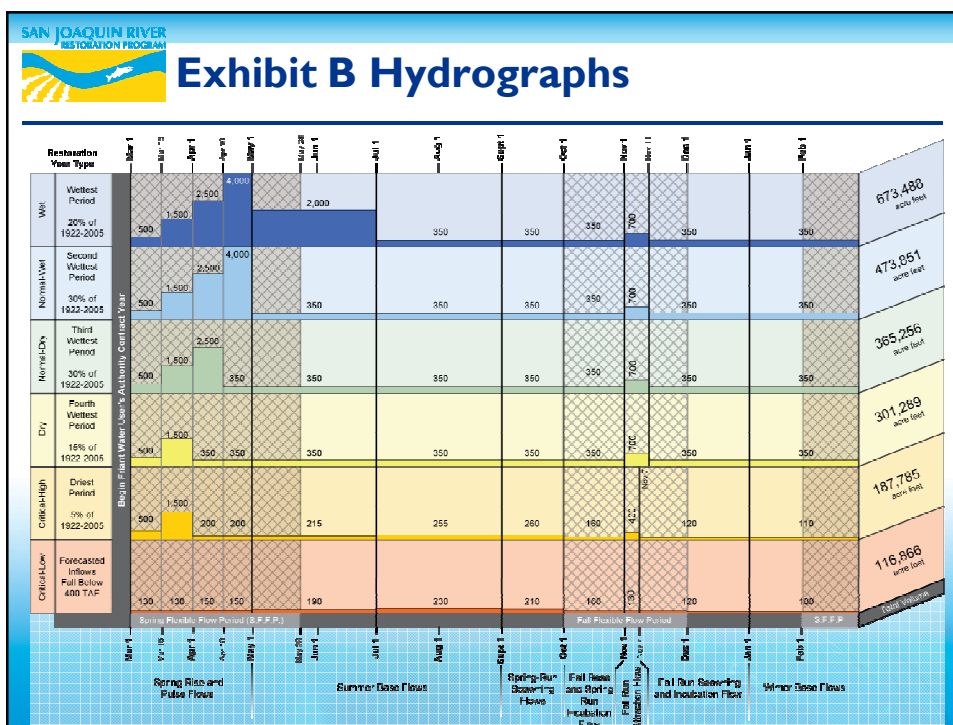
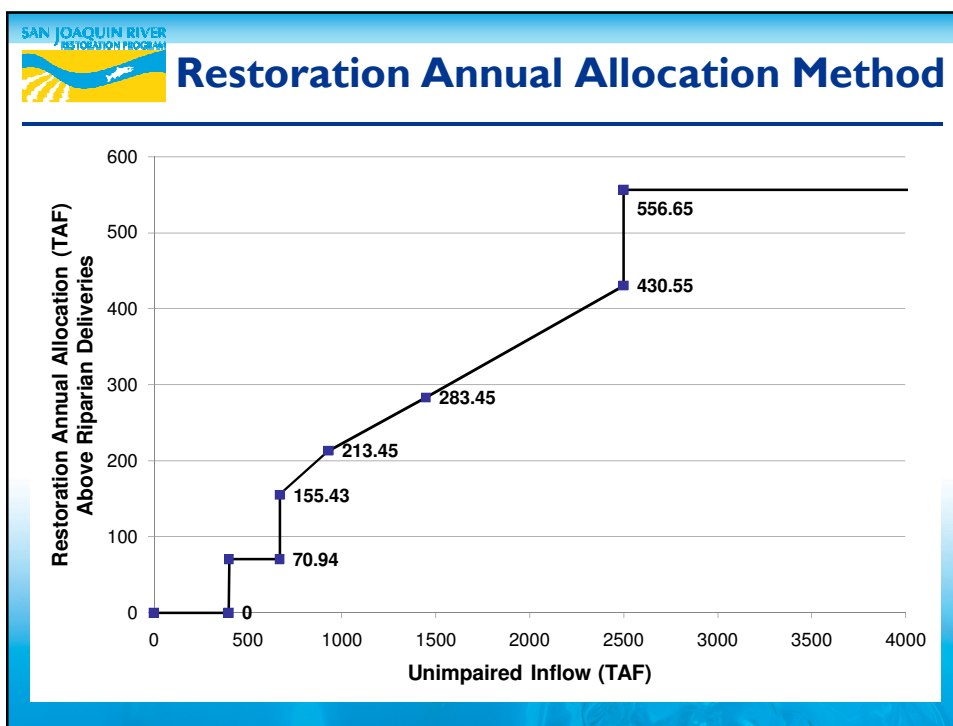
Preliminary Design Report – Reverse Flow Status

- Hydraulic capacity analysis conducted in January
- TSC Design Team began design of facilities using preliminary modeled water surface elevation data



Interim Flow Releases / Recapture





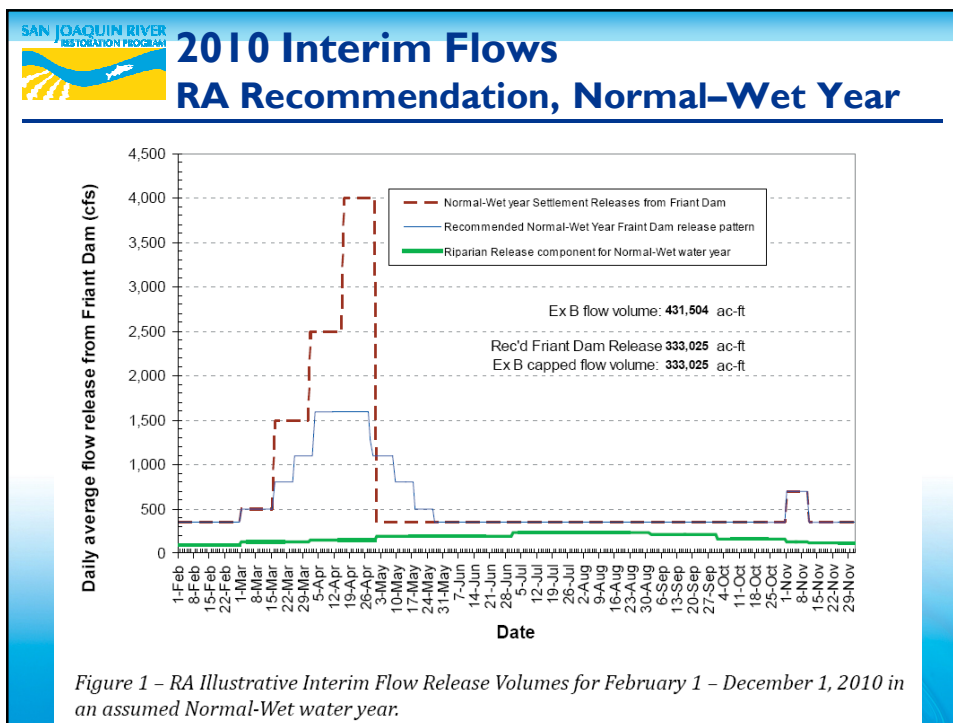
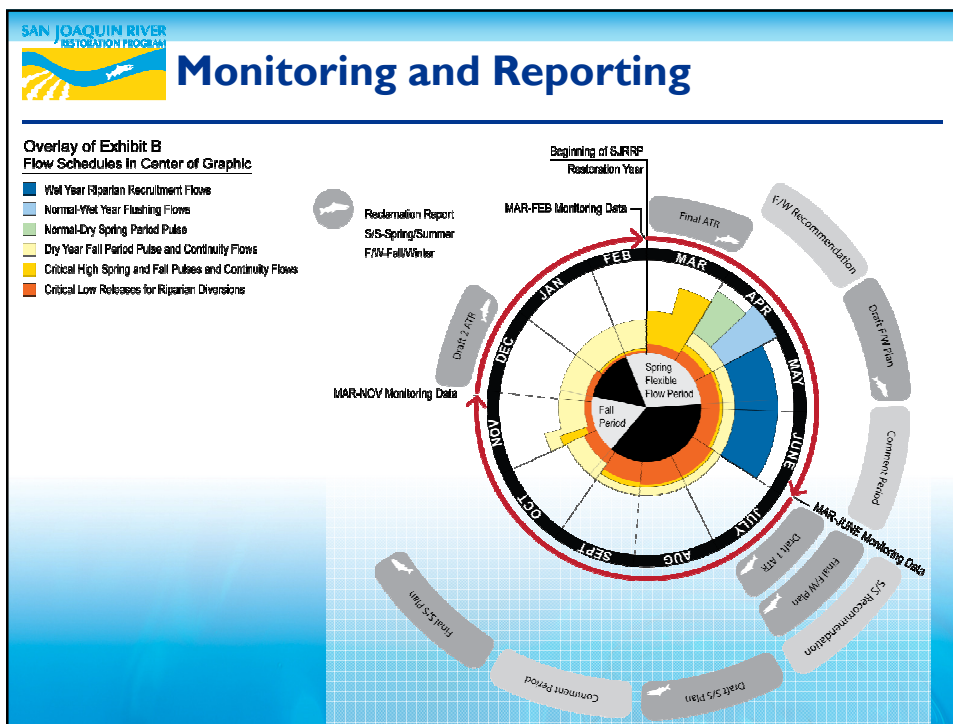
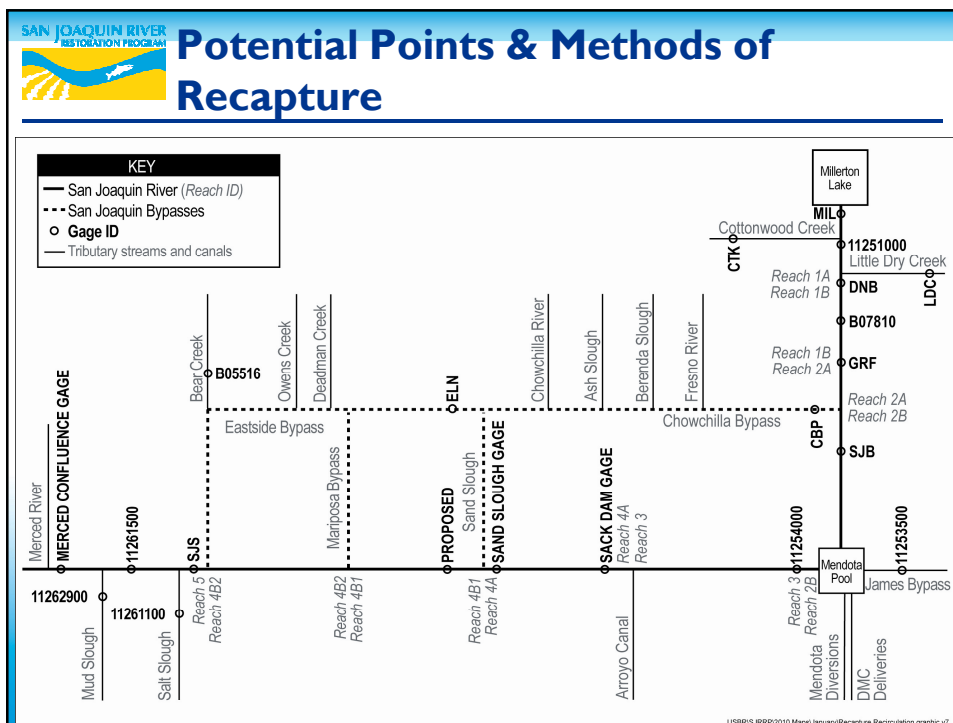
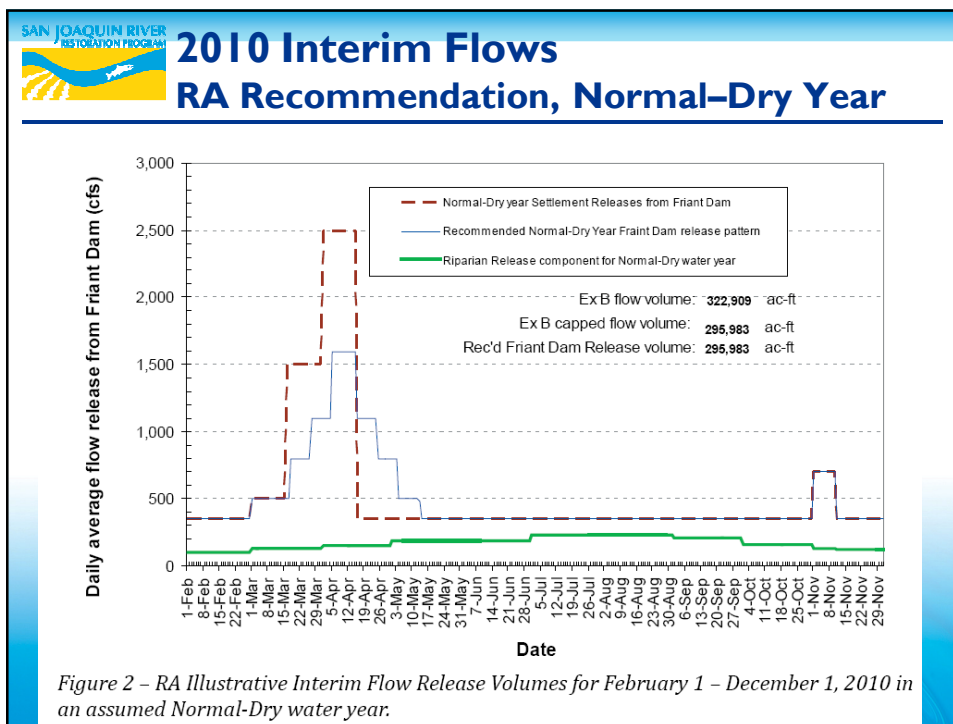
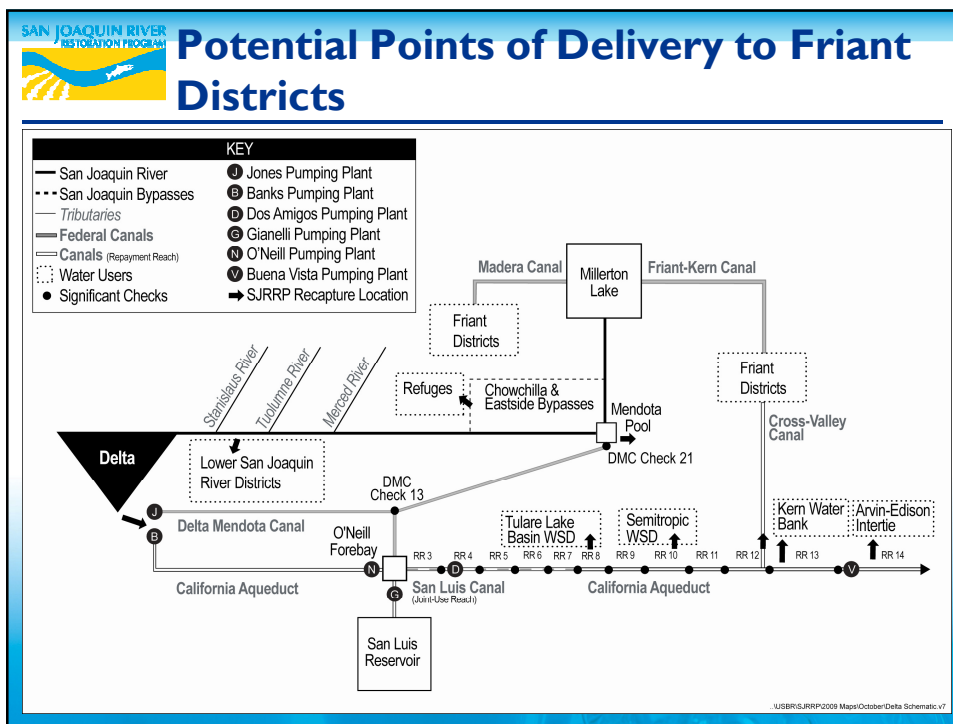



Figure 1 – RA Illustrative Interim Flow Release Volumes for February 1 – December 1, 2010 in an assumed Normal-Wet water year.





2009 Fall Interim Flows

- Recovered Water Account Totals
 - Total Friant Division RWA
 - Individual long-term contractor RWA (Handout)




Recovered Water Account

- Alternative methods of determining total RWA include:
 - Recording all Restoration releases
 - Applying predetermined factors to Restoration releases to account for spills
 - Comparison of modeled (pre-Restoration) and actual canal deliveries
 - Others?



Public Comment



Agenda for Next Meeting

- **Date & Time:**
 - Friday, March 12, 2010, 8:30am
- **Tentative Agenda:**
 - Interim Flows & Recapture
 - Part III Guidelines
 - Restoration Flow Guidelines
 - PEIS / Program Alternatives
 - MC/FKC Capacity Correction / Reverse Flow Update