

SAN JOAQUIN RIVER
RESTORATION PROGRAM



Water Management Technical Feedback Meeting

April 2, 2010
Fresno, CA

SAN JOAQUIN RIVER
RESTORATION PROGRAM





Agenda Overview


- Comments on Meeting Notes
- Recovered Water Account Status Update
- MC/FKC Capacity Correction / Reverse Flow Feasibility Studies
- Interim Flow Scheduling
- Recapture and Recirculation
- Part III Guidelines
- Next Meeting Date & Time
- Public Comment




Comments on Meeting Notes




Recovered Water Account Status Update






Madera & Friant-Kern Canals Capacity Correction Assessment & Friant-Kern Canal Reverse Flow Feasibility Studies



Feasibility Studies – Planning Steps


- Preliminary Design Reports
- Economic Benefit Analyses
- Environmental Assessment
- Feasibility Study






Planning Steps – Status Update

- Preliminary Design Report (PDR):
 - Capacity Correction
 - Hydraulic model complete
 - Alternatives development complete April
 - Preliminary design complete June
 - PDR complete July
 - Reverse Flow
 - Hydraulic model complete
 - Alternatives development complete April
 - Preliminary design complete May (TSC)
 - PDR complete by June (TSC)




Planning Steps – Status Update

- Economic Benefit Analyses:
 - DRAFT Model Analysis Strategy TM
 - Comments received from Friant contractors
 - Revising DRAFT per comments
 - Finalize April
 - Economic Benefit Analysis
 - Complete by July (both studies)




Planning Steps – Status Update

- Environmental Assessment (EA):
 - Capacity Correction
 - Field surveys complete by May
 - EA complete by July
 - Reverse Flow (TSC)
 - Field surveys completed
 - EA complete by July
- Feasibility Study
 - Capacity Correction complete by August
 - Reverse Flow complete by August




Capacity Correction PDR - DRAFT Alternatives

- Friant-Kern Canal
 - 1) No Action
 - 2) Restore 100% of Capacity Deficiencies
 - 3) Restore Capacity Deficiencies in Only Highest Priority Areas
- Madera Canal
 - 1) No Action
 - 2) Restore 100% of Capacity Deficiencies
 - 3) Restore Capacity Deficiencies in Highest Priority Areas (Milepost 7-18 and 23-32)




Reverse Flow PDR - DRAFT Alternatives

- According to Authorization:
 - 1) No Action Alternative
 - 2) 500 cfs at Shafter-Wasco, 500 cfs at Poso Creek, and 300 cfs at Lake Woollomes
- Will look at White River in preliminary planning as potential facility; not a commitment to complete it throughout studies




Economic Benefit Analyses

- National Economic Development (NED)
- Regional (Friant Division)
 - Ability to increase utilization of Part III projects
 - Ability to increase utilization of I6(a) program
 - Ability to increase utilization of I6(b) program

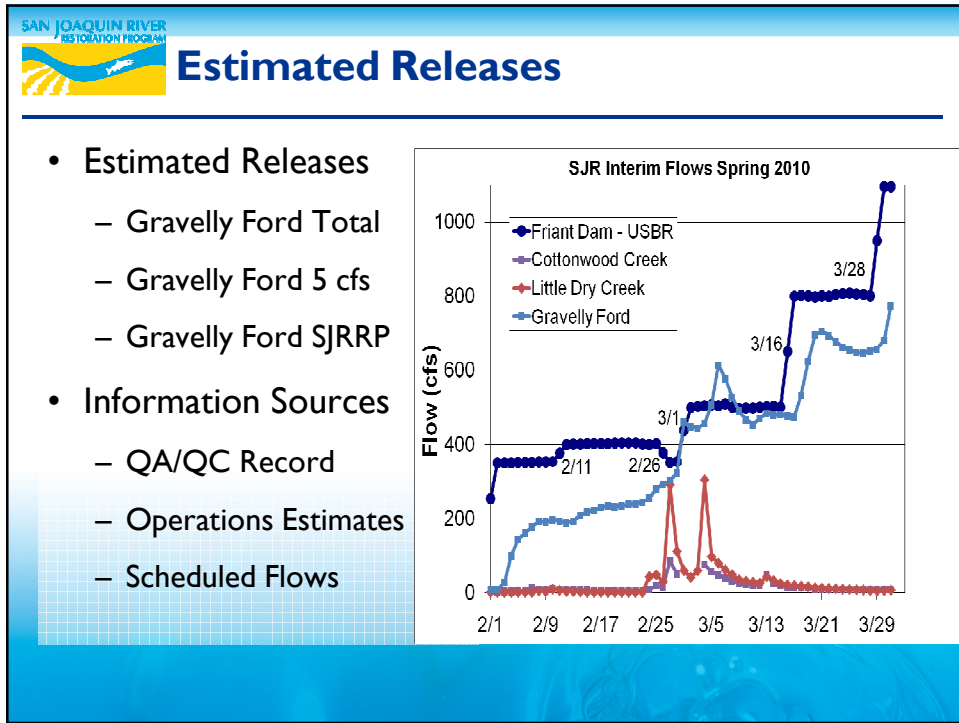


Interim Flow Scheduling



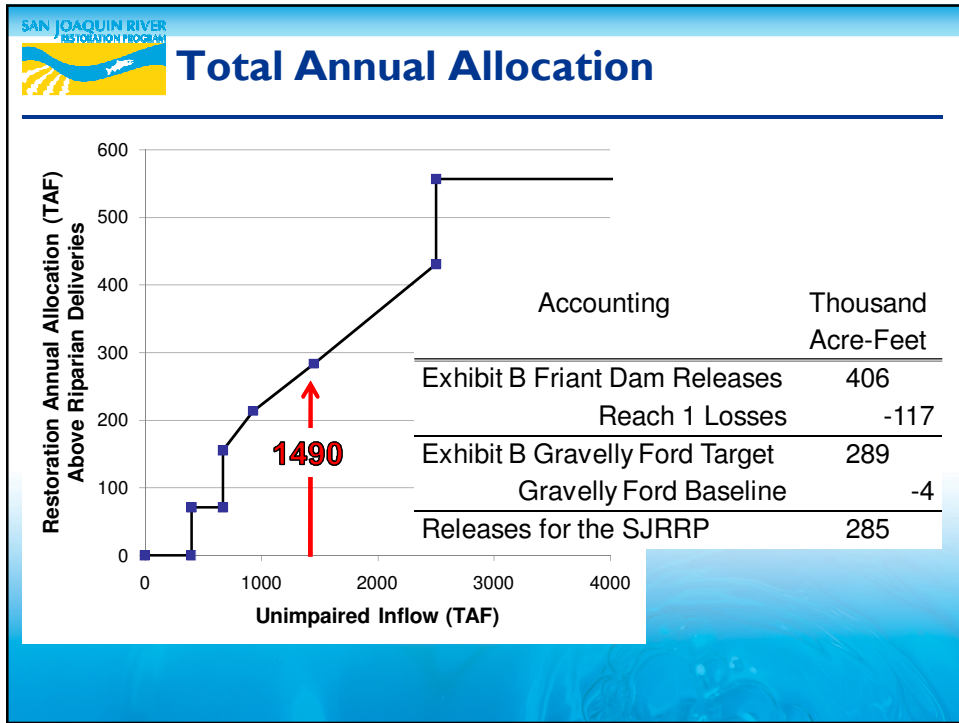
Restoration Flow Schedule

1. Estimated Releases
2. Total Annual Allocation
3. Remaining Allocation
4. Default Flow Schedule
5. Channel Capacity Cap



April 1st Releases (as of March 15th)

Accounting	Acre-Feet
Total Friant Dam Releases	40,175
- Reach 1 Losses	-4,921
Total Gravelly Ford Flows	35,254
- Other Inflows at Gravelly Ford	-2,676
SJRRP Gravelly Ford Target	32,579
- Baseline at Gravelly Ford	-307
Releases for the SJRRP	32,271



Remaining SJRRP Allocation

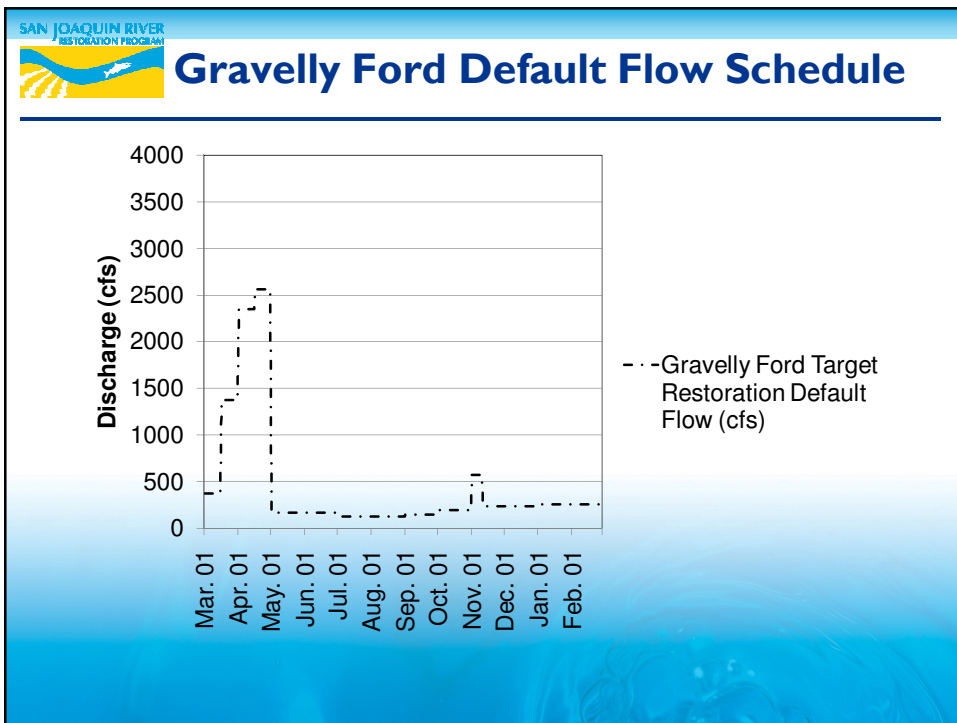
Accounting	Thousand Acre-Feet
Exhibit B Gravelly Ford Target	289
Flow Passing Gravelly Ford	-33
Remaining SJRRP Gravelly Ford Target	256
Baseline Gravelly Ford Flows	-3.3
Remaining Releases for the SJRRP	253

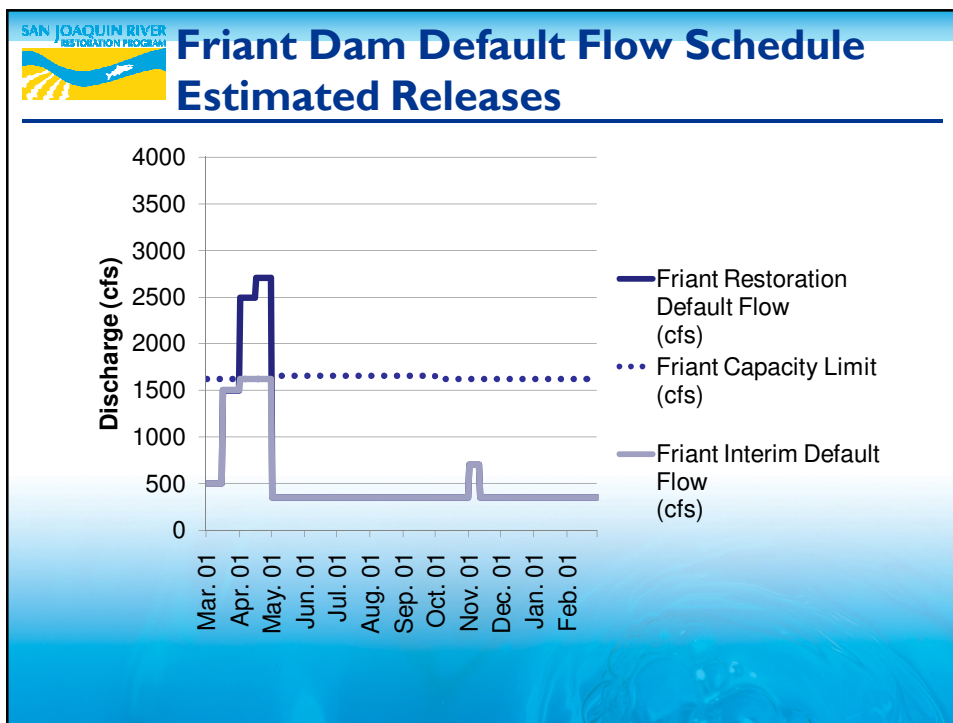
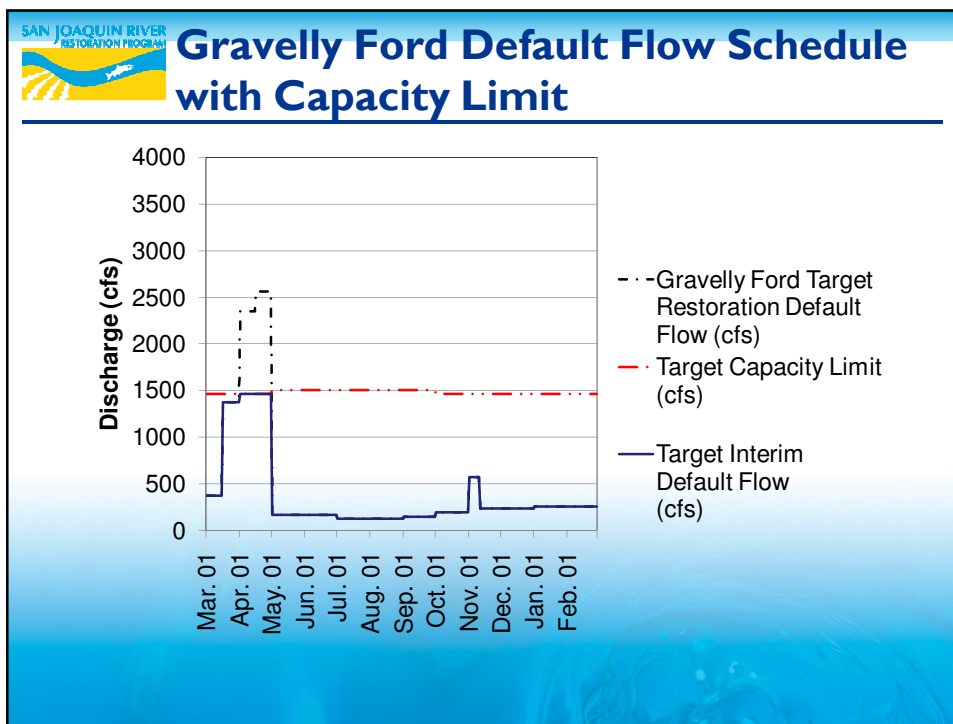
Detailed description: A table showing the remaining SJRRP allocation. It lists accounting items and their corresponding values in thousand acre-feet. The items are: Exhibit B Gravelly Ford Target (289), Flow Passing Gravelly Ford (-33), Remaining SJRRP Gravelly Ford Target (256), Baseline Gravelly Ford Flows (-3.3), and Remaining Releases for the SJRRP (253).

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Default Flow Schedule

- Lookup Table: releases required for the remainder of the restoration year from the allocation date forward using Method 3.1 flow schedules.
- Interpolate to determine the flow schedule for the remaining SJRRP Allocation.





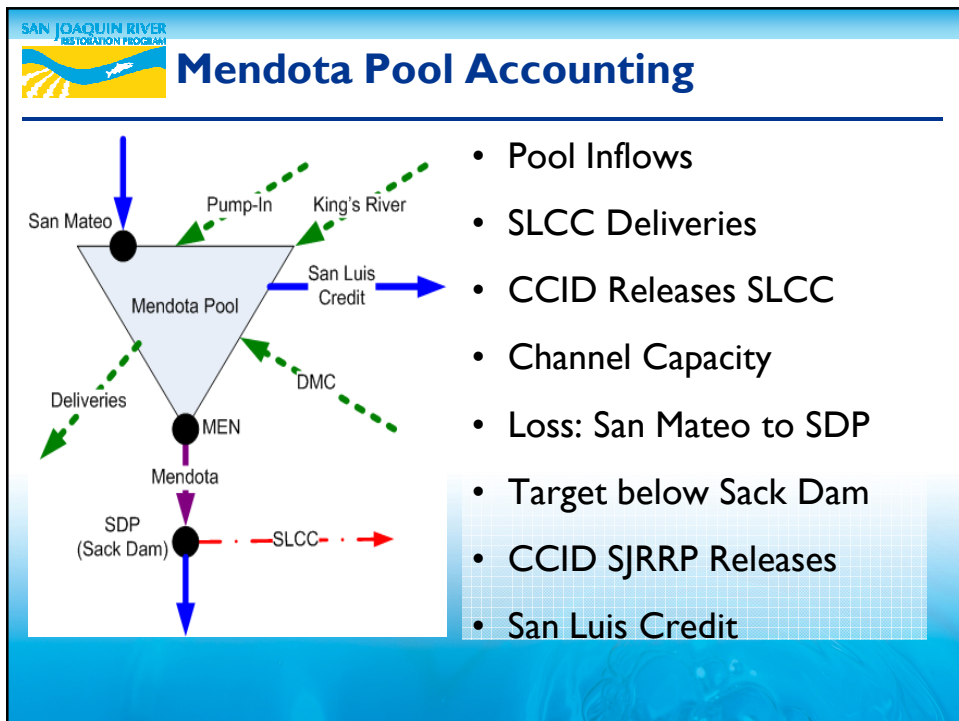
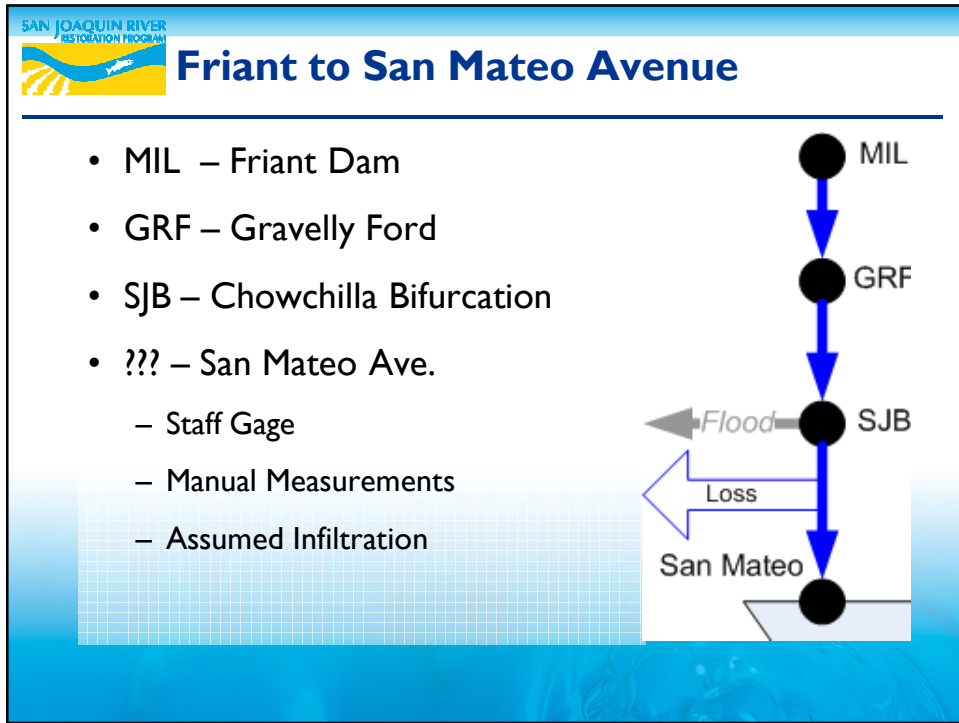
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Daily Operations

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Daily Operations Spreadsheet


- Objective: pass SJRRP flows downstream.
- Purpose: set valves, gates, and boards.
- Participants: river operating entities.
- Data: stage, flow measurements, tables, and experience.






Check (Closure) Terms

- Mendota Pool Closure
 - (+) Gaining Pool
 - (-) Losing Pool
- Daily Flow Balance
 - (-) Owe Pool Users
 - (+) Pool Users Owe SJRRP
- Cumulative Flow Balance




Recapture and Recirculation

 **Recirculation Project Description**

- Delivery to Arvin-Edison WSD
- Delivery to contractors served by FKC upstream of CVC via KCWA (Reverse Flow)
- Transfer to CVP South of Delta contractor
- Exchange for CVP South of Delta banked water
- Delivery to Shafter-Wasco ID through Semitropic WSD
- Exchange for Kings River water via Tulare Lake Basin WSD


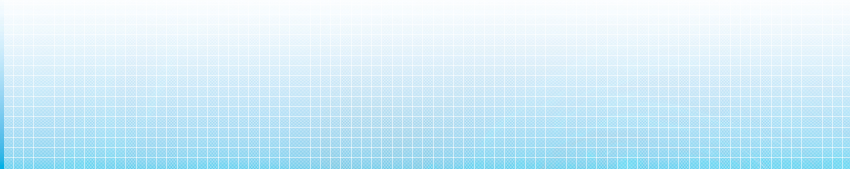


Part III Guidelines





Part III Guidelines

- Public Review Draft released
- Draft available at: www.restoresjr.net
- Comments due May 28, 2010
- Send comments to: Part3Guidelines@restoresjr.net




Next Meeting





Agenda for Next Meeting

- Date & Time:
 - TBD
- Tentative Agenda:
 - Recovered Water Account
 - Part III Guidelines
 - Interim Flows



Public Comment

