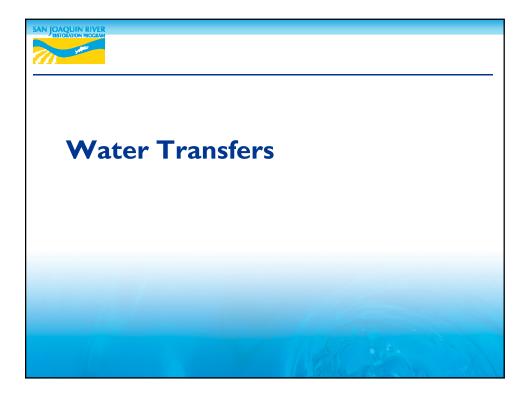




- Water Transfers (10 min.)
- Restoration Flow Guidelines (10 min.)
- Recovered Water Account (25 min.)
- MC/FKC Capacity Correction Assessment (30 min.)
- Interim Flow Water Right Petition (20 min.)
- Recapture/Recirculation Activities (10 min.)
- Public Comment (10 min.)





- Legislated provisions for water transfers take effect after the first release of Interim Flows and Friant's 9(d) contract conversions
- Reclamation is working on a policy paper to describe its position on how the Legislation changes transfer procedures



Restoration Flow Guidelines – Overview & Update

Restoration Flow Guidelines – Overview & Update

- RFG Components:
 - Allocation (hydrograph smoothing)
 - Completed January 2009
 - Residuals
 - Completed May 2009
 - Recovered Water Account (next slides)
 - Anticipated completion June 2009
- Next Steps:
 - Early July 2009: Revised draft RFG & feedback
 - Late July 2009: Administrative Draft RFG



Recovered Water Account



Recovered Water Account History

- In past meetings, Reclamation presented different methods for measuring water supply impacts and declined shadow accounting.
- Feedback identified inferred relationships from river releases (simplified methods) as undesirable.
- The current direction compares modeled (no-Settlement) conditions to measured deliveries with Restoration Flows.



RWA Current Technical Requirements

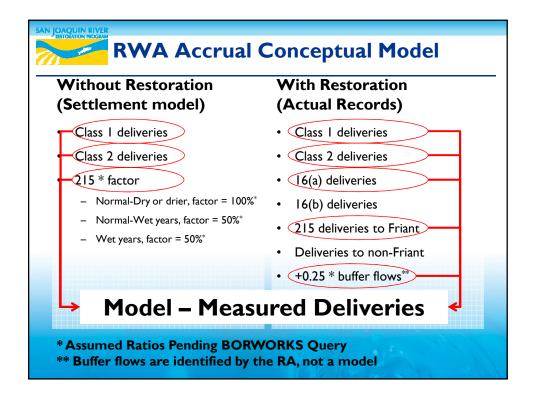
- The RWA compares between conditions with and without Restoration Flows.
- 'What would've been delivered' requires assumptions.
- Measured canal deliveries requires separating out mitigation resources.
 - 16(a) deliveries outside of an allocation
 - 16(b) deliveries to Friant long-term contractors

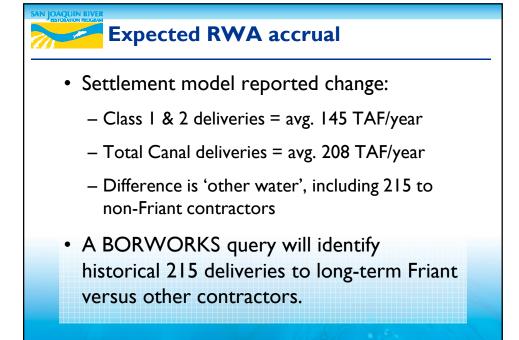


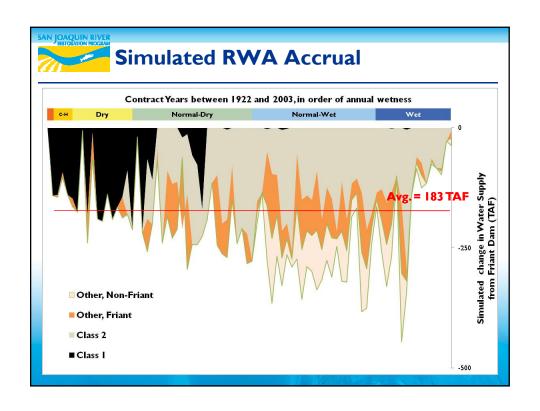
RWA Conceptual Model

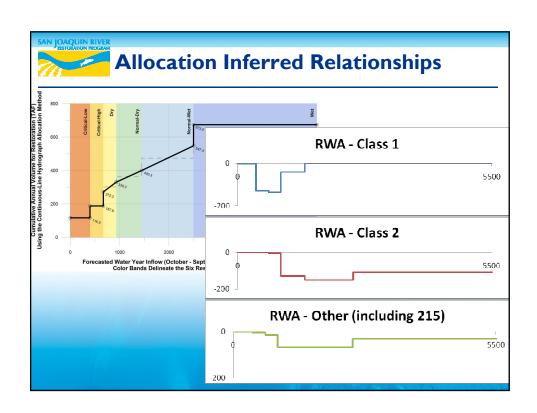
The conceptual model for the RWA:

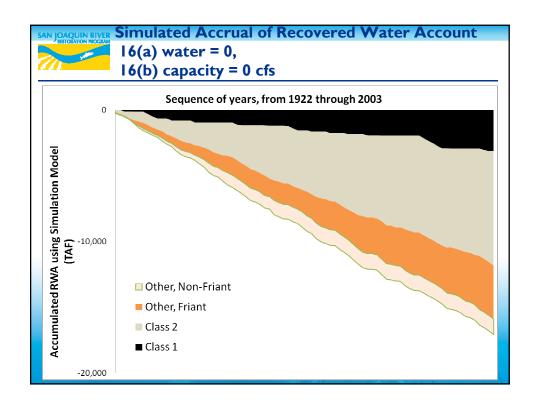
- Uses canal based accounting procedures;
- Delivers without Restoration water according to the Settlement model demand curves:
- Tracks reductions to Class 1, Class 2, and 215 deliveries to long-term Friant contractors; and
- Maintains consistency with the Settlement assumed impacts.

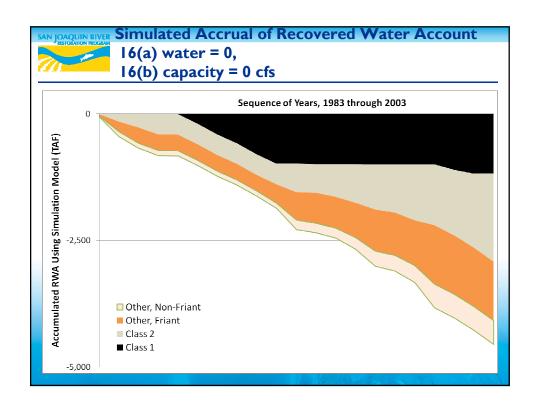










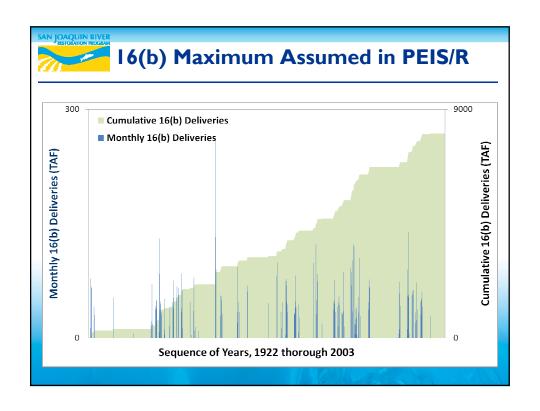


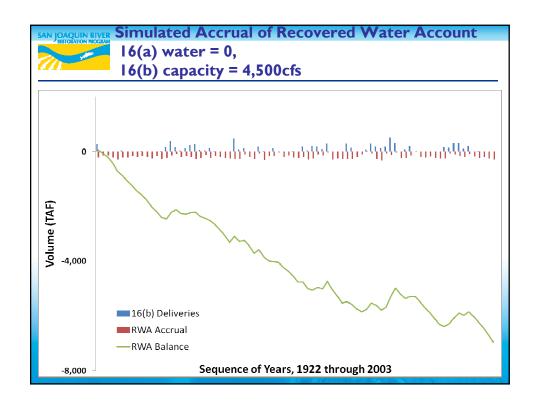


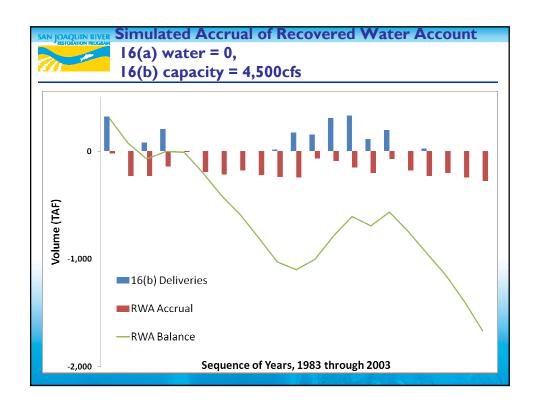
16(b) Facilities Assumed by PEIS/R

- I6(b) take used in PEIS/R
 - Approximately 4,500 cfs total take capacity
 - Maximum direct recharge ≈ 430 TAF annually
 - Maximum In-Lieu ≈ 2,200 cfs (on ag. pattern)

	4W			IA 2	4W			agem			WM		4W		T	otals (cfs	
	Recharge (cfs)	In-Lieu Recharge (cfs)	Recharge (cfs)	In-Lieu Recharge (cfs)	Recharge (cfs)	In-Lieu Recharge (cfs)	Recharge (cfs)	Recharge (cfs)	Recharge (cfs)	In-Lieu Recharge (cfs)	Recharge (cfs)	Recharge (cfs)	Recharge (cfs)	In-Lieu Recharge (cfs)	Direct Recharge	In-Lieu Recharge	Total
Friant	375	25	130	45	110	10	95	590	100	35				1000	810	1,705	2,51
Non- Friant									100	15	250	465	1150		1,500	480	1,98









Madera & Friant-Kern Canals Capacity Correction Assessment Status Update



Authorization and Funding

- Public Law III-II requires a feasibility study and authorizes construction consistent with the feasibility study
- Reclamation FY 2008 budget provides budget for Planning Studies under Operations and Maintenance authority
- Friant Staff have identified a desire for the Restoration Program to fund canal capacity corrections and pump-back facilities



- MC/FKC Capacity Correction
 - Proj. Description & Scope 07/09
 - FS/Env. Review/Initial Eng. Design 07/10
 - Final FS to Commissioner 08/10
- FKC Pump-Back
 - Proj. Description & Scope 07/09
 - FS/Env. Review/Initial Eng. Design 07/10
 - Final FS to Commissioner 08/10

Work Plan

- Contracting October 2008
- Initial site visit in November 2008
- Data collection, 2009
- Hydraulic Modeling, June 2009
- Contracting (Modification or Task Order)
- · Feasibility Study and Environmental Assessment
- Engineering Design Report



• Friant-Kern Canal

Bottle	eneck	Project Distance	Design Flow	Estimated Current Capacity		
FKC Mi	leposts	Miles	cfs	cfs		
29.13	30.50	1.37	5000	4680		
52.98	57.14	4.16	5000	4500		
71.37	79.25	7.88	4500	4105		
131.35	137.19	5.84	2500	2170		

- Madera Canal
 - Modeling Expected to Highlight Restrictions



- Kick-off meeting / Site review (MC & FKC)
- Canal design drawings
- Surveys of MC and FKC complete
- Operational data being assembled by FWA and MCWPA
- Existing Data TM



Hydraulic Modeling

- Development
- Calibration and Validation
 - Technical Memo
 - Feedback from FWA and MCWPA
- Evaluate canal capacity correction
 - Technical Memo
 - Feedback from FWA and MCWPA



Feasibility Studies and EA

- Restoration funding requires a feasibility study.
- Alternatives include:
 - Capacity Correction;
 - Pump-Back; and
 - Capacity Correction and Pump-Back.
- An engineering report follows from the feasibility study.



- MWH pursuing capacity correction
- TSC developing pump-back plan
- Additional contracting actions to combine and complete studies if required.



Going Forward

- At Hydraulic Modeling phase of work
- · Operations data is required to move forward
- Proposed Communication Plan:
 - Monthly updates during SJRRP WM Tech Feedback meetings
 - Monthly status reports
 - Additional calls with FWUA and MCWPA lead representatives between monthly updates

