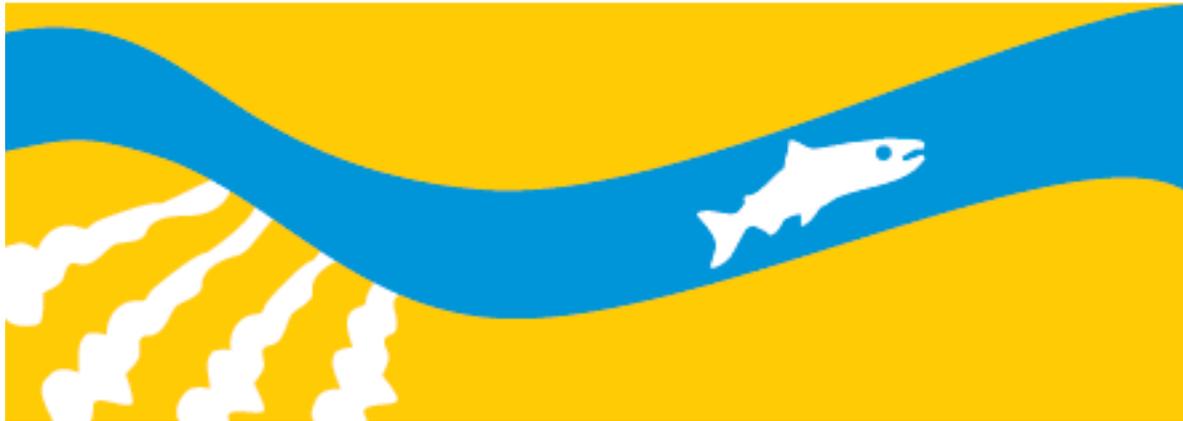


SAN JOAQUIN RIVER **RESTORATION PROGRAM**



Data Collection and Review Team

November 17, 2011

San Joaquin River Settlement History



- 1988 Lawsuit filed by NRDC challenging Reclamation's renewal of the long-term contracts with Friant Division contractors
- 2004 Federal Judge rules Reclamation violated Section 5937 of the CA Fish and Game Code
- 2005 Settlement negotiations reinitiated to avoid remedy phase
- 2006 Settlement reached, implementation begins
- 2009 Federal legislation enacted

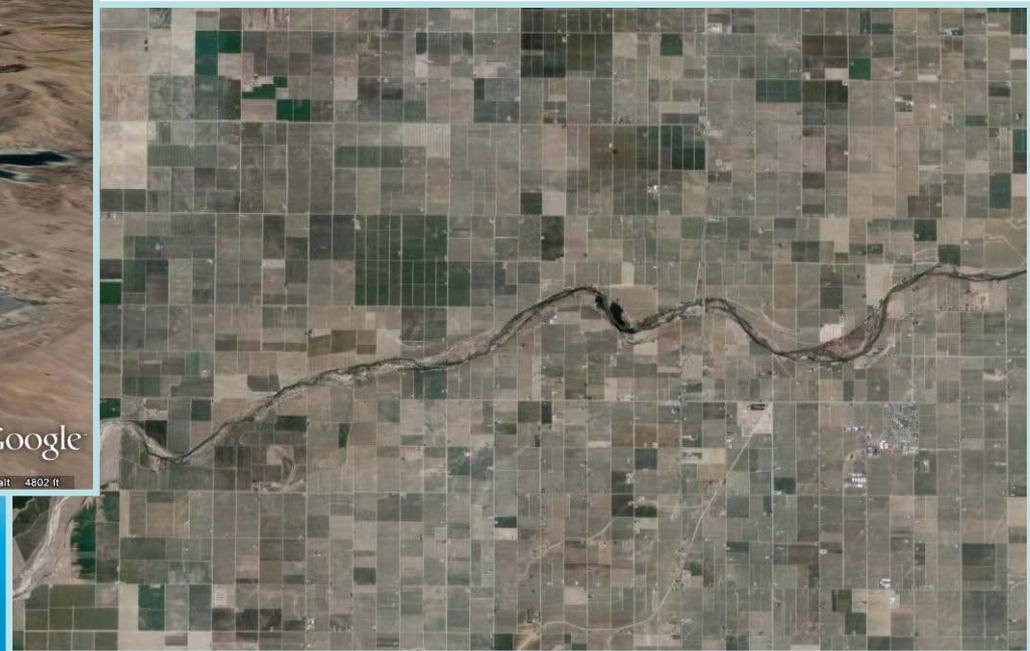
Settlement Goals

- Restoration Goal
 - To restore and maintain fish populations in “good condition” in the main stem of the San Joaquin River below Friant Dam to the confluence of the Merced River, including naturally reproducing and self-sustaining populations of salmon and other fish.



Settlement Goals

- Water Management Goal
 - To reduce or avoid adverse water supply impacts to all of the Friant Division long-term contractors that may result from the Interim Flows and Restoration Flows provided for in the Settlement.



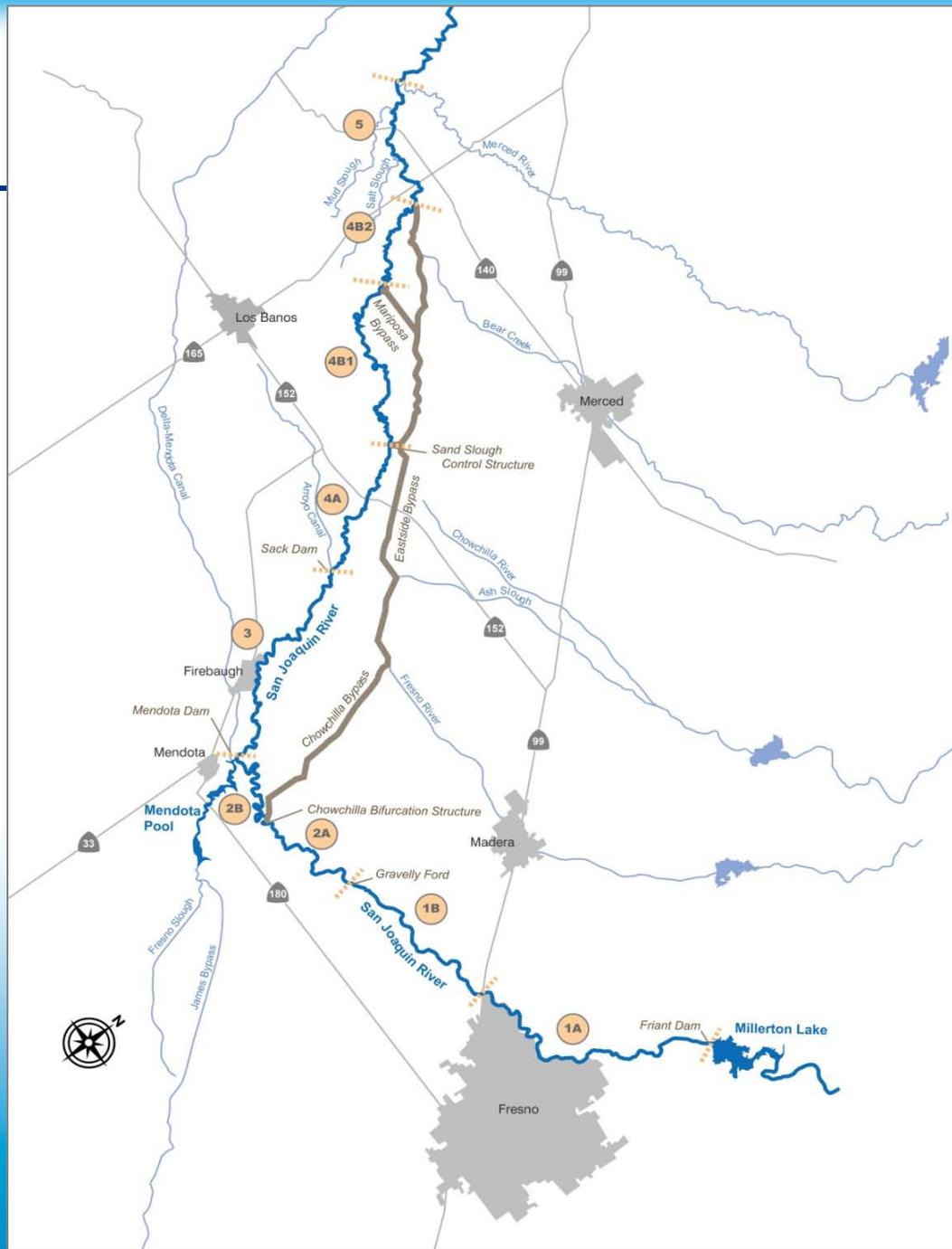
Settling Parties & Implementing Agencies

Settling Parties

- NRDC Coalition
 - 14 organizations
- Friant Water Users Authority
 - 22 water agencies
- Federal Government
 - Department of the Interior
 - Bureau of Reclamation
 - Fish and Wildlife Service
 - Department of Commerce
 - National Marine Fisheries Service
- State of California
 - Department of Water Resources
 - Department of Fish and Game

Implementing Agencies

- Restoration Area by Reaches





Settlement Milestones

Immediately	Work on planning, design work, and environmental reviews
Oct 2009	Interim Flows began
2012	Begin re-introduction of salmon
2013	Complete first phase of channel and habitat improvements
2014	Initiate full Restoration Flows
2016	Complete second phase of channel and habitat improvements

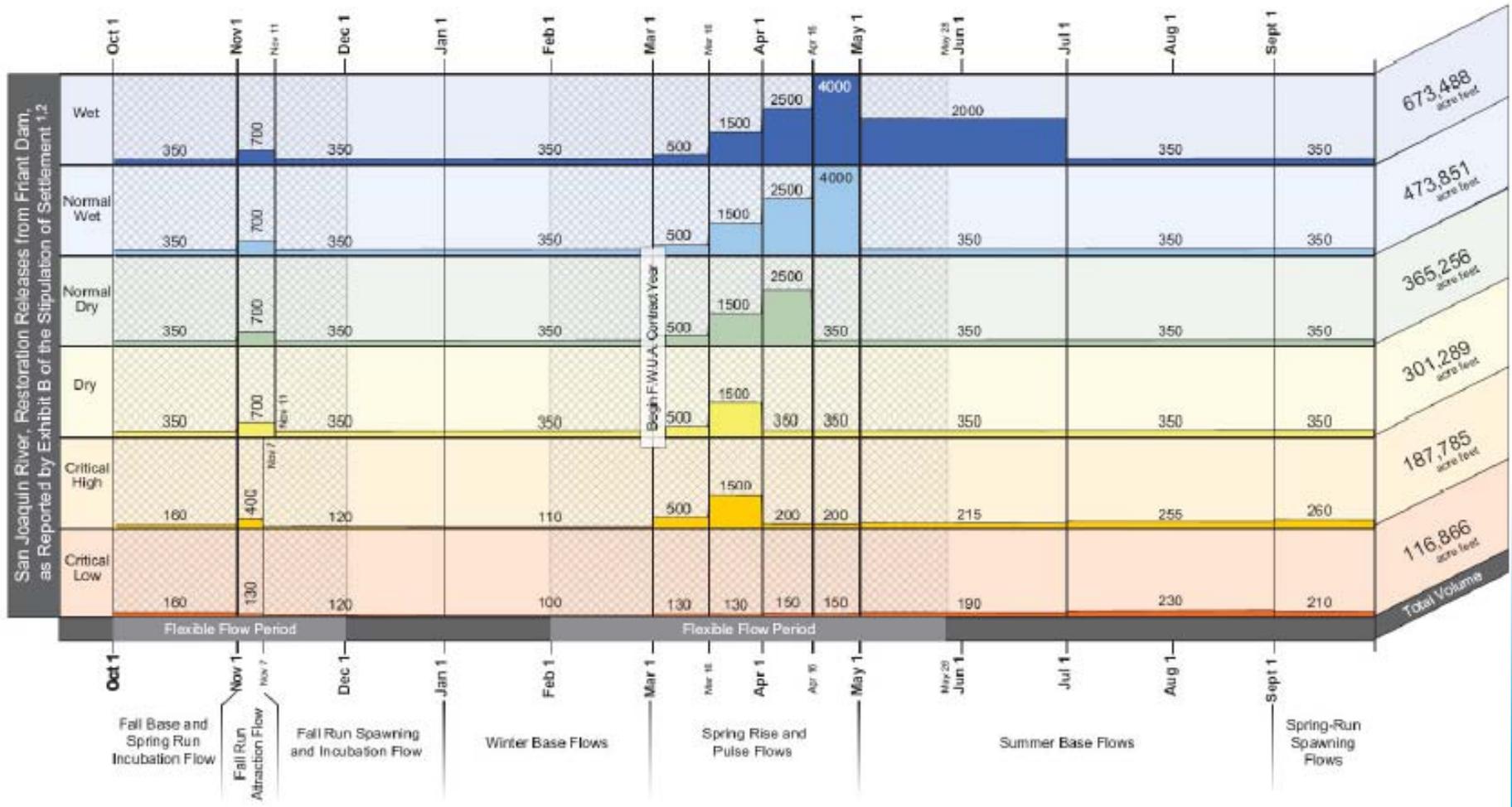
Restoration Goal Activities:

- Interim and Restoration Flows
- Channel and structural improvements at specific locations
- Reintroduction of salmon



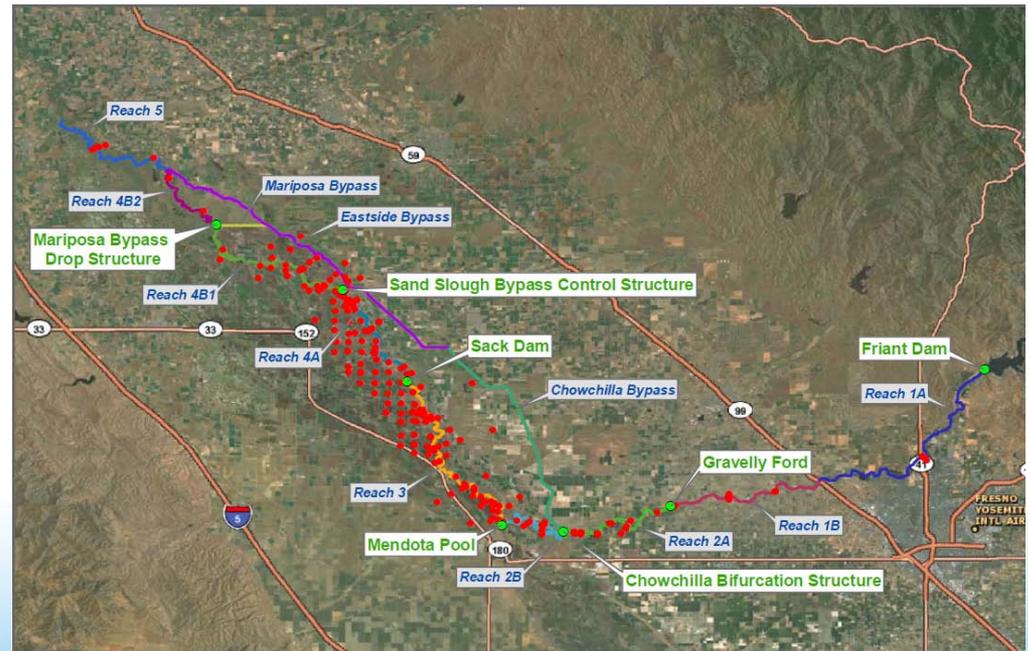
Settlement Hydrograph

(Friant Releases)



Current Studies and Monitoring

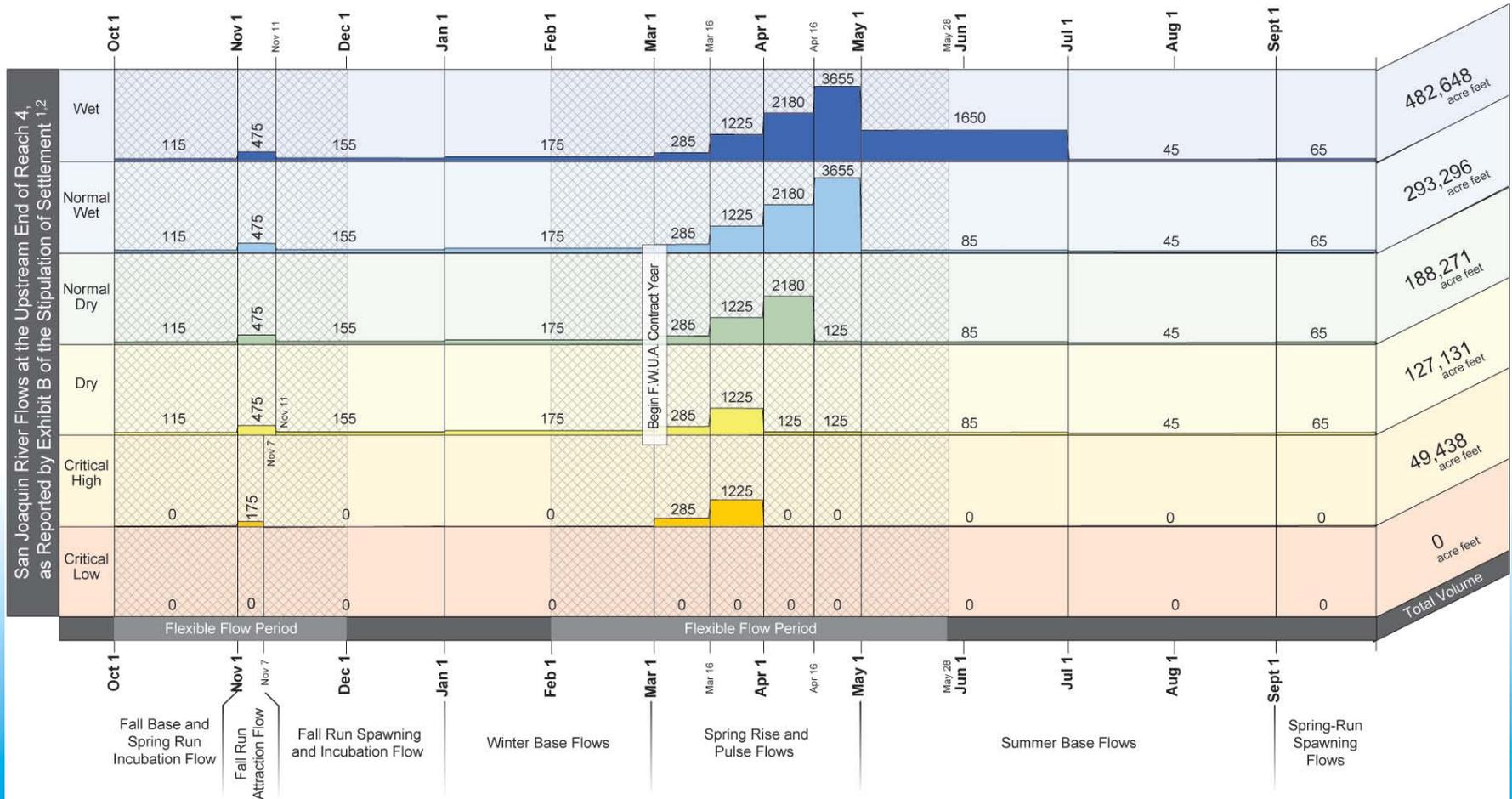
- Flows
- Water quality constituents
- Bathymetry
- Aerial photos
- Bed materials/sediment mobility
- Water surface profiles
- Invertebrate studies
- Groundwater
- Temperature
- Salmonid survival and migration
- Floodplain inundation
- Fisheries monitoring and barrier evaluation
- Vegetation
- Species and habitats
- Etc.....



Settlement Hydrograph

(Reach 4 Flows)

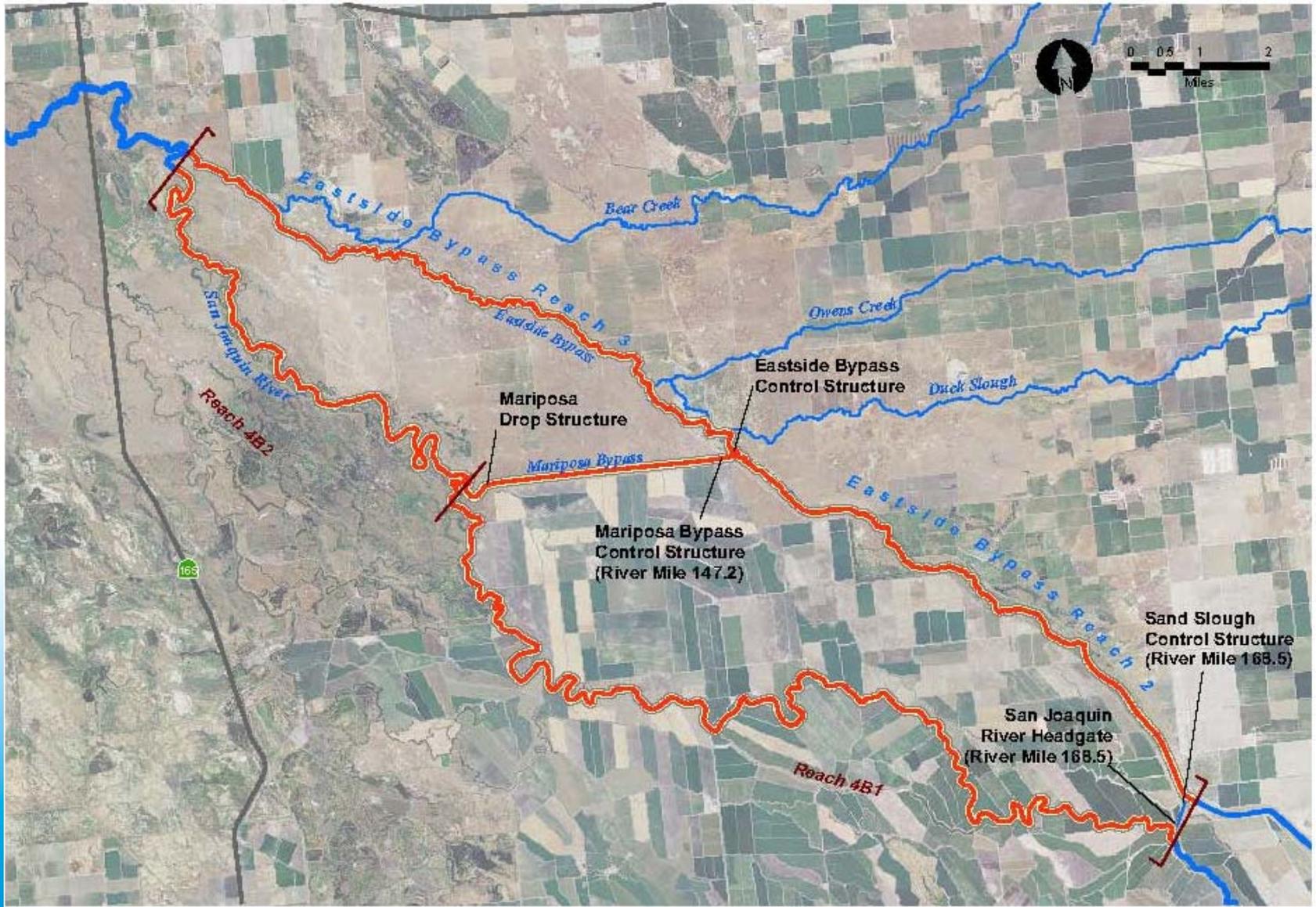
San Joaquin River Flows at the Upstream End of Reach 4,
as Reported by Exhibit B of the Stipulation of Settlement^{1,2}



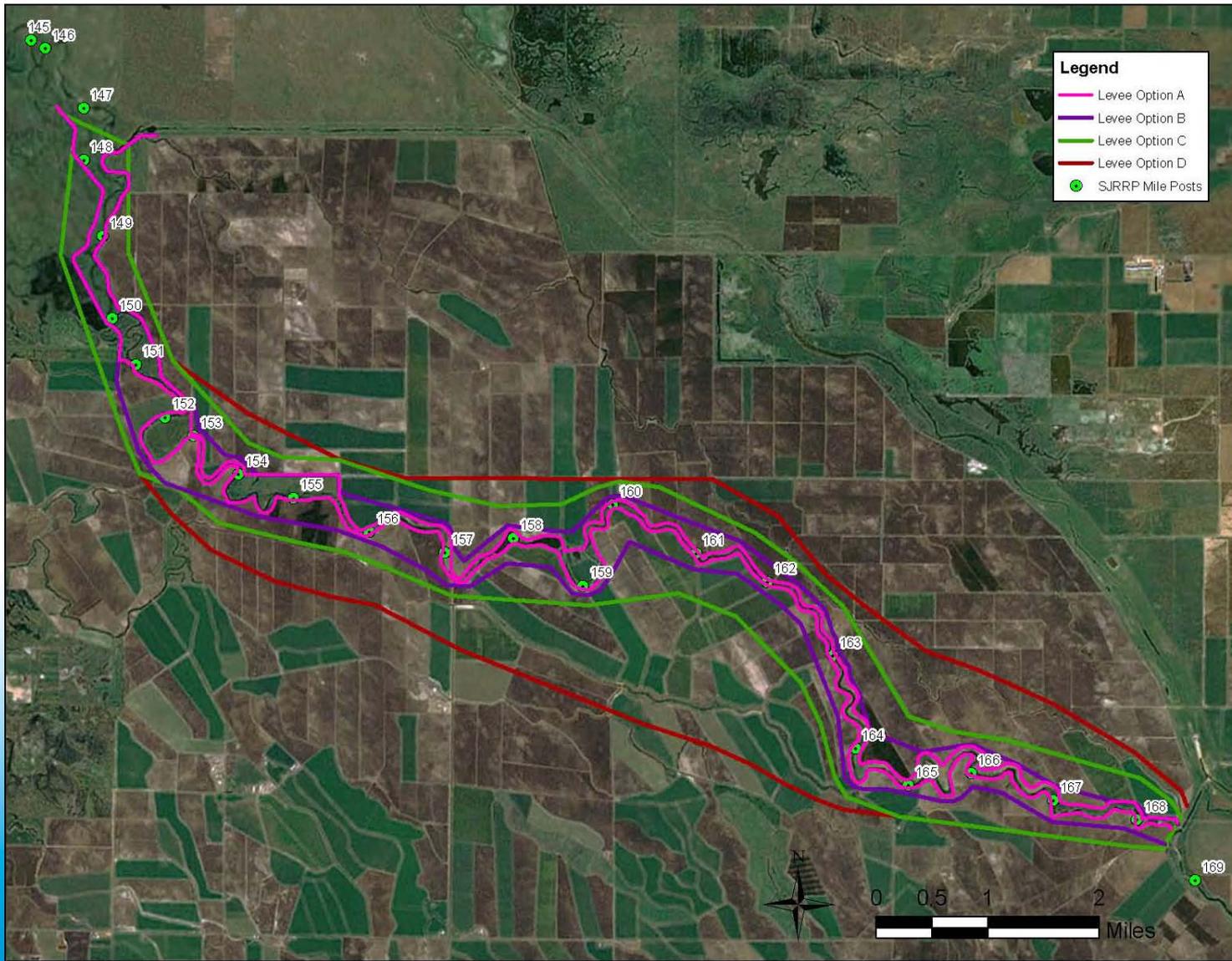
¹ - NRDC v Rodgers, Stipulation of Settlement, CIV NO. S-88-1658 - LKK/GGH, Exhibit B, September 13, 2006

² - Hydrographs reflect assumptions about seepage losses and tributary inflows which are specified in the settlement

Reach 4B & Bypasses



Reach 4B & Bypasses





Dissemination of Data

- Agency Plan
- Monitoring and Analysis Plan
- SWRCB Compliance Reports
- SJRRP Website (www.restoresjr.net)
- Public meetings (technical feedback, landowner meetings, public hearings)
- Annual Technical Report
- Future SJRRP database
 - *Suggestions for database*

Reintroduction of Salmon

- U.S. Fish and Wildlife Service submitted an application for a collection, propagation, and reintroduction permit of listed spring-run Chinook to the National Marine Fisheries Service (Sept. 30, 2010)
- NMFS to issue permit and write regulations for species (by April 30, 2012)
- USFWS to coordinate with State for future activities
- Continued monitoring for native fish species



Photo courtesy of WDFW

Water Management Goal Activities

- Friant-Kern Canal Capacity Correction
- Madera Canal Capacity Correction
 - Friant-Kern Canal Pump-back
- Local Assistance for groundwater banks
- Sacramento-San Joaquin River Delta recirculation studies





Evaluation

- 2024: Secretary of Commerce reports to Congress on progress of spring and fall run Chinook and future plans for continued actions





Additional Information

For more information, you can visit:

www.restoresjr.net

or contact:

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