

THE SAN JOAQUIN RIVER



DISCUSSION PURPOSES ONLY

CALIFO RNIA STATE LANDS COMMISSION

OVERVIEW OF THE CALIFORNIA STATE LANDS COMMISSION PRESENTATION

- California State Lands Commission (CSLC)
- Sovereign Lands and the Public Trust
- CSLC involvement in the SJRRP
- Character of the Land and Ownership along the San Joaquin River
- Natural v. Artificial v. Avulsion relationship to property boundaries
- Compilation Plats produced by CSLC
- Next Step

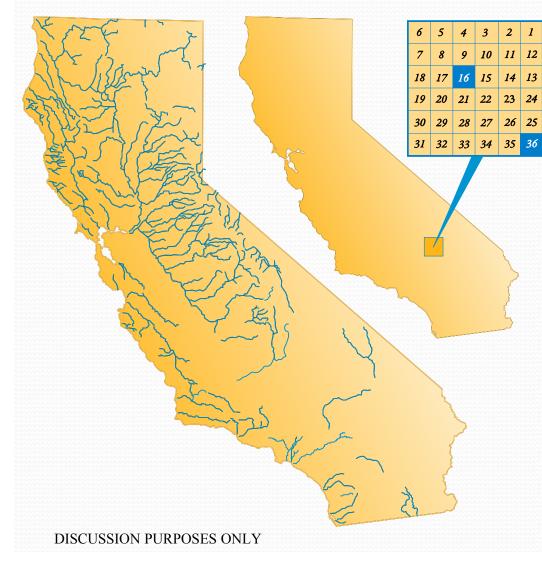
CALIFORNIA STATE LANDS COMMISSION
CSLC created in 1938
The California State Lands Commission has three members:

- Lieutenant Governor Gavin Newsom
- State Controller John Chiang
 Director of Finance Ana J. Matosantos





JURISDICTION AND OWNERSHIP



- Sovereign Lands
- School Lands
- Civil Code 830 defines State and private ownership
 - CSLC leases lands to the public and government agencies
 - CSLC does not regulate water rights
 - CSLC is a landowner on behalf of the State

PUBLIC TRUST AND SOVEREIGN OWNERSHIP



HISTORY

Roman Civil Law

The air, the rivers, the sea and the seashore were incapable of private ownership; they were dedicated to the use of the public. --Institutes of Justinian, 534 CE

English Common Law

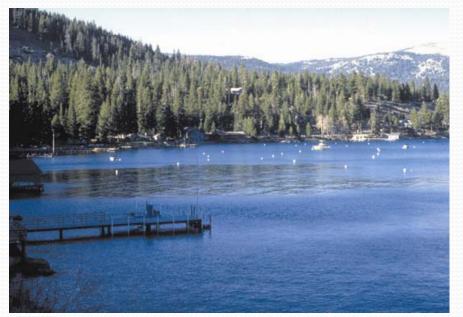
The sovereign held the tide and submerged lands, not in a proprietary capacity, but as trustee of a public trust for the benefit of the people of the realm. *--Magna Carta, 1215*

California received title to sovereign lands at statehood under the Equal-Footing Doctrine.



SOVEREIGN LANDS (fee owned)





- Non-tidal navigable rivers and lakes—lands below low water
- All lands subject to the tides below mean high water
- Illinois Central Railroad Co. v. Illinois (1892) U.S. Supreme Court ruled the State cannot convey State sovereign lands into private ownership

PUBLIC TRUST LANDS (easement)



Confirmed in 1981 by
 The State Supreme Court

- State of California v. Superior Court (Lyon) 29 Cal. 3d 210
- State of California v. Supreme Court (Fogerty) 29 Cal. 3d 240

Non-tidal navigable rivers and lakes—lands between high and low water



CSLC AND THE SJRRP





- CSLC is NOT a party to the settlement
- CSLC has an ownership in the bed of the San Joaquin River up to the head of navigation, near Friant
- USBR and DWR requested CSLC to determine State interest within the San Joaquin River

CHARACTER OF LAND AND OWNERSHIP ALONG THE SAN JOAQUIN RIVER

- Sovereign Land below Low WaterPublic Trust land
- between Low Water and High Water
- Swamp and Overflowed Lands
- Public Land Sectionalized Land
- Rancho Land Mexican Land Grant

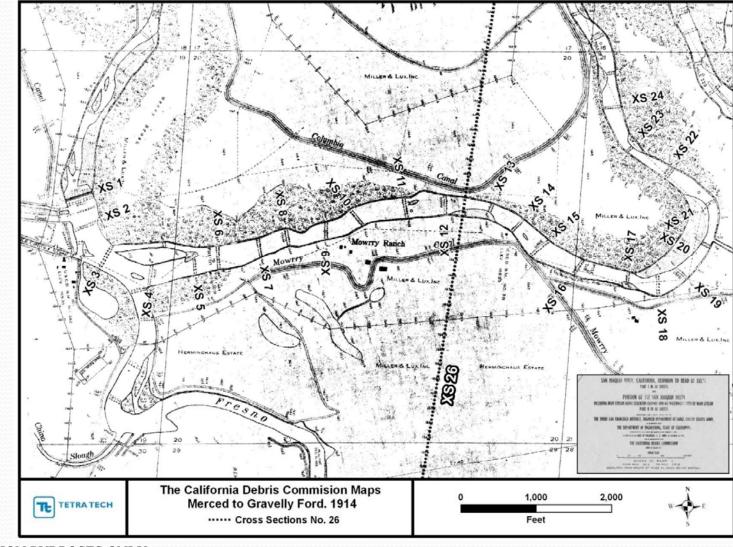
HIGH WATER LINE



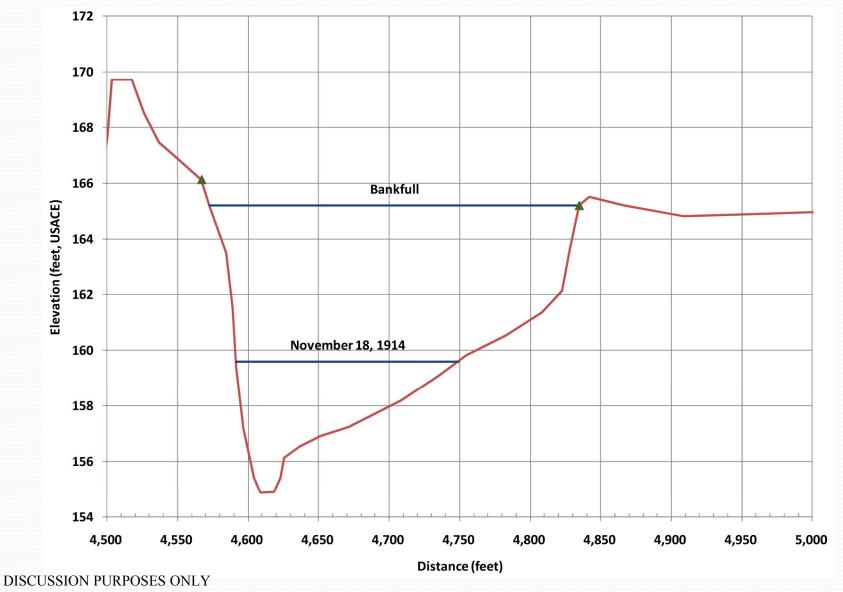


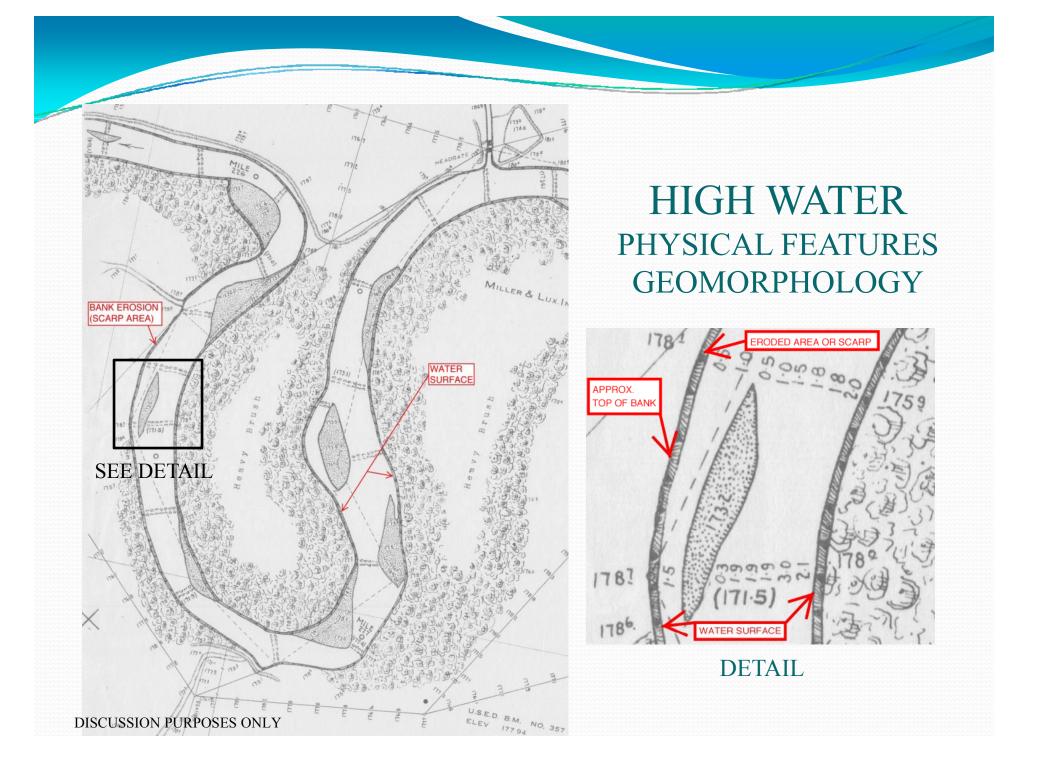
■ <u>Not</u> a line reached by floods • A line where erosion occurs; change in or lack of vegetation May relate to bank full level on many rivers Best evidence and application of case law

HIGH WATER FLOW ANALYSIS PLAN VIEW OF BANK FULL CROSS SECTION



BANK FULL CROSS SECTION AT XS29

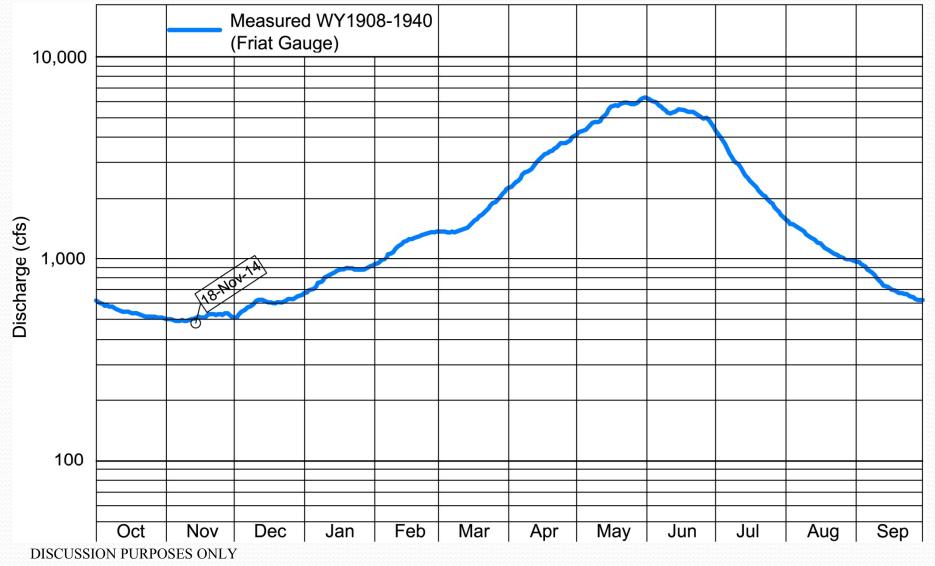




LOW WATER LINE

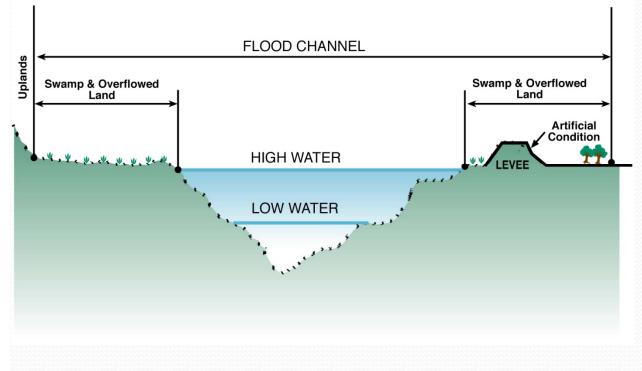
- Covered by water most the year
- Low Water occurs during the Fall season
- Low Water should be determined during a normal water year
- Low Water determination should exclude years of droughts or floods
- Difficult to use physical or geomorphic features

LOW WATER -- NORMAL LOW WATER YEAR WATER SURFACE DURING THE FALL SEASON



SWAMP AND OVERFLOWED LAND

NON TIDAL NAVIGABLE RIVER



- Lands above high water
- Patented to the State by the Federal government
- Surveyed by County Surveyors and sold by the State

NATURAL V. ARTIFICIAL V. AVULSION RELATIONSHIP TO PROPERTY BOUNDARIES RIVER IN A NATURAL STATE

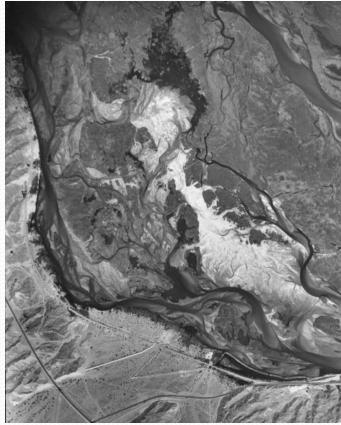
- Boundaries between the upland owner and State are ambulatory and will move as the river moves
- Can have limited artificial influences
 Artificial influences cannot be primary or proximate

NATURAL V. ARTIFICIAL V. AVULSION RELATIONSHIP TO PROPERTY BOUNDARIES RIVER IN AN ARTIFICIAL STATE

Boundaries may remain fixed at the last natural location

- Artificial influences must be primary or proximate
- Dredging new river channel
- Filling of river bed
- Damming and significant removal of water from the natural channel

NATURAL V. ARTIFICIAL V. AVULSION RELATIONSHIP TO PROPERTY BOUNDARIES RIVER IN AN ARTIFICIAL STATE Colorado River

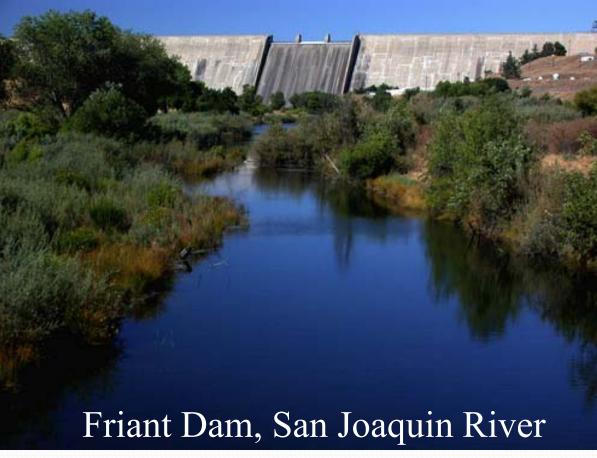




 ${\rm discussion} \, {\rm purposes} \, {\rm onl} 1947$

1953

NATURAL V. ARTIFICIAL V. AVULSION RELATIONSHIP TO PROPERTY BOUNDARIES RIVER IN AN ARTIFICIAL STATE Dam construction and major water diversion



NATURAL V. ARTIFICIAL V. AVULSION RELATIONSHIP TO PROPERTY BOUNDARIES RIVER IN AN ARTIFICIAL STATE Dam construction and major water diversion

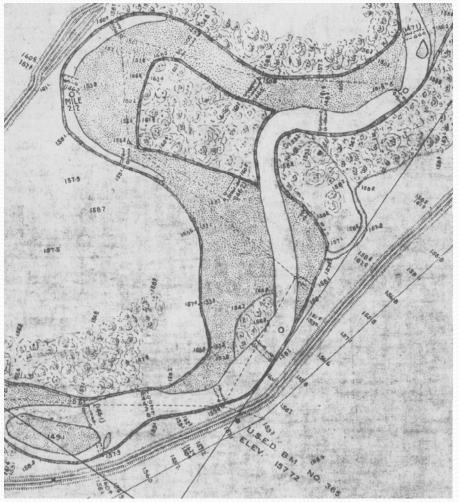


- Up to 90% of water diverted from the river
 State would not be
 - deprived of its sovereign ownership

NATURAL V. ARTIFICIAL V. AVULSION RELATIONSHIP TO PROPERTY BOUNDARIES AVULSIVE RIVER CHANGES

Sudden and perceptible change in a water course
May add or remove land
May fix riparian boundaries

NATURAL V. ARTIFICIAL V. AVULSION RELATIONSHIP TO PROPERTY BOUNDARIES RIVER POSSIBLY AFFECTED BY AVULSION



 Sudden and perceptible change in the water course
 OR
 Manmade dredger cut

CSLC THE SAN JOAQUIN RIVER RESTORATION PROJECT Contract with DWR began on April 15, 2010



- RESEARCH INCLUDED:
- U.S. Army Corps of Engineers
- U.S. National Archives
- U.S. Bureau of Reclamation
- U.S. Bureau of Land Management (General Land Office)
- California State Archives
- California Department of Water Resources
- County Surveyor Offices, Fresno and Madera Counties
- County Recorder's Offices, Fresno and Madera Counties
- Local water and irrigation districts
- Records of the CSLC
- Miller Lux Museum
- Historical Societies and Libraries

CSLC THE SAN JOAQUIN RIVER RESTORATION PROJECT

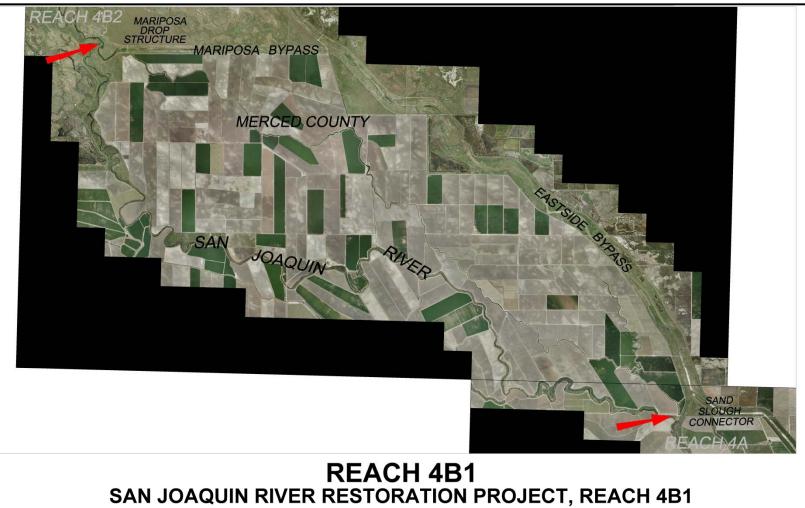


- FIELD SURVEYS:
- Reach 4B1, February April 2011
- Other Reaches are ongoing





LAND TITLE AND MAPPING ADJACENT TO THE SAN JOAQUIN RIVER REACH 4B1



MARIPOSA DROP STRUCTURE TO SAND SLOUGH CONNECTOR

GENERAL LAND OFFICE TOWNSHIP PLATS 1854 TO 1861

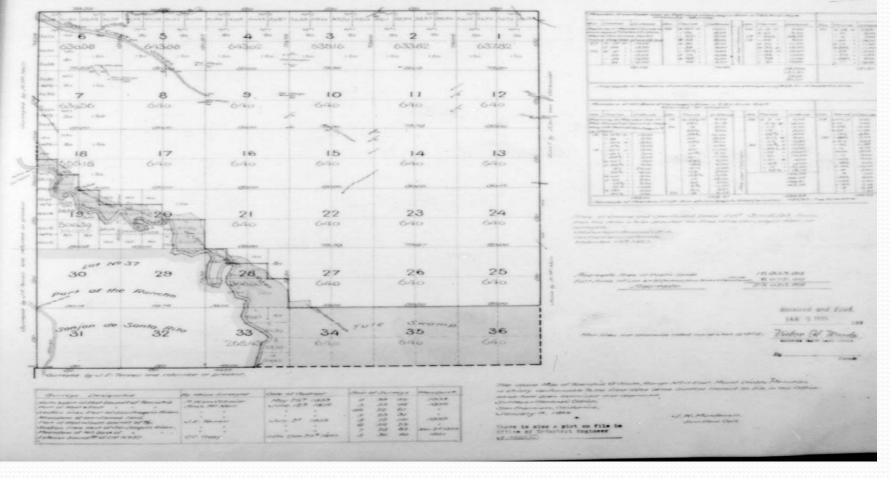


Andrew Gray Surveyeth ye Boundary its Time !

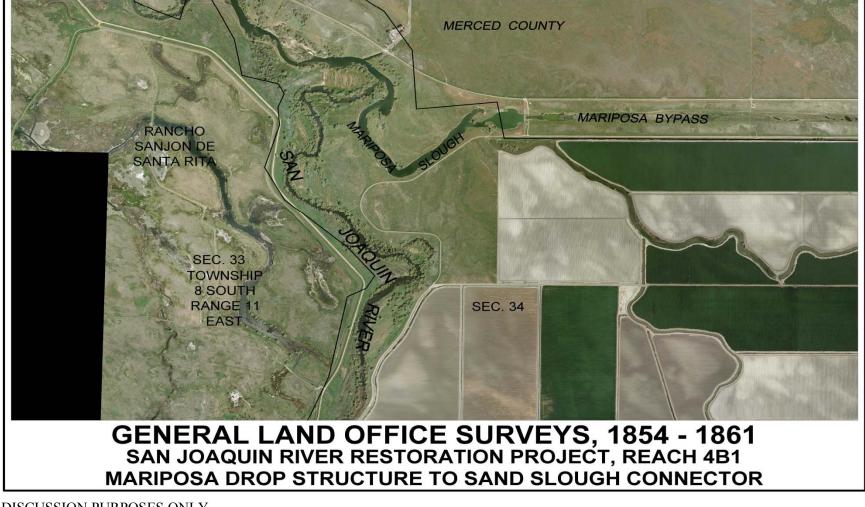
- Survey of Public Lands for sale by the U.S.
- Surveyed in one mile square sections
- 1851 and 1855 GLO Manual of Instruction
 - Meander of Survey Bank of Navigable Rivers
 - Show all lands "Unfit for Cultivation" known as Swamp and Overflowed Lands

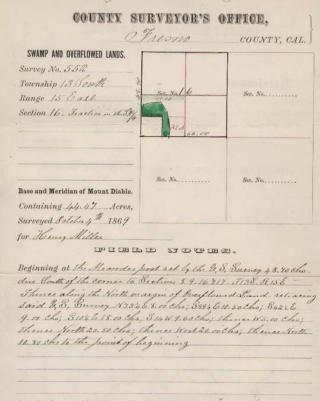
GENERAL LAND OFFICE 1860 TOWNSHIP PLAT T8S, R11E, MDM

Township Nº8 South Range NºII East Mount Diablo Meridian.



SLC REACH 4B1 COMPILATION PLAT MARIPOSA SLOUGH AREA **GENERAL LAND SURVEY**





string of see the on Right bounde of & for PC

Run by the true Meridian. Magnetic Variation 12 45 East, Surveyed in accordance with the Act of the Legislature concerning State Lands, approved March 28th, 1868, and the instructions of the Surveyor-General.

1.6. Walker

County.

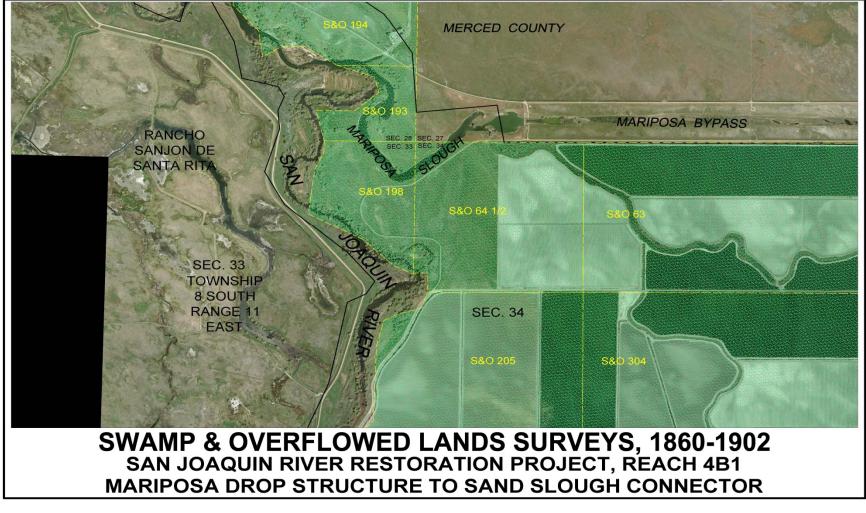
County Surveyor of Freema Certified to be a correct copy of the original record in my office.

County Surveyor of Tresme

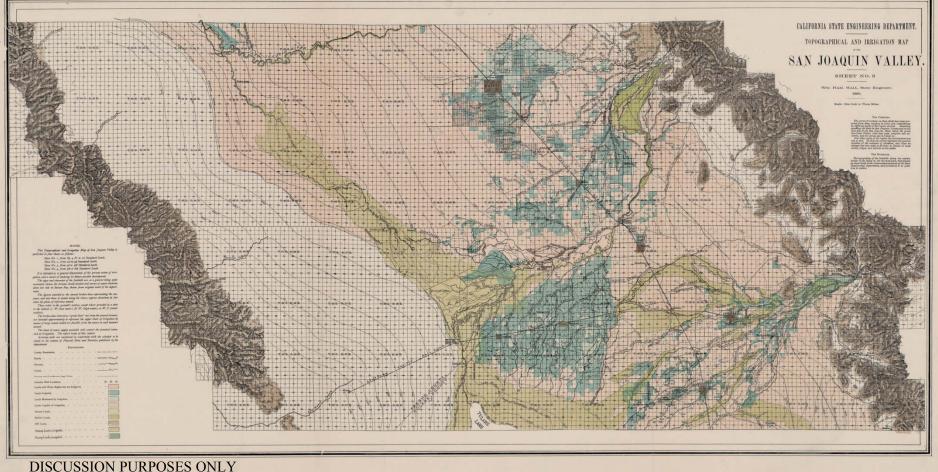
SWAMP AND OVERFLOWED SURVEYS 1860 – 1902

The State Surveyor General's instructions to the County Surveyor was to follow the instruction issued by the Government Land Office (GLO) when surveying S&O lands.

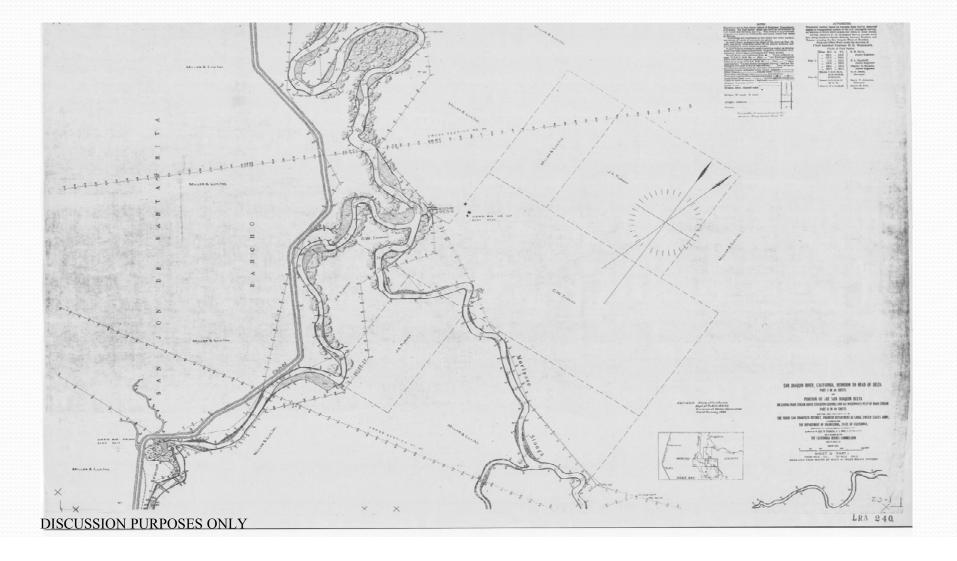
CSLC REACH 4B1 COMPILATION PLAT MARIPOSA SLOUGH AREA SWAMP AND OVERFLOWED LAND SURVEYS



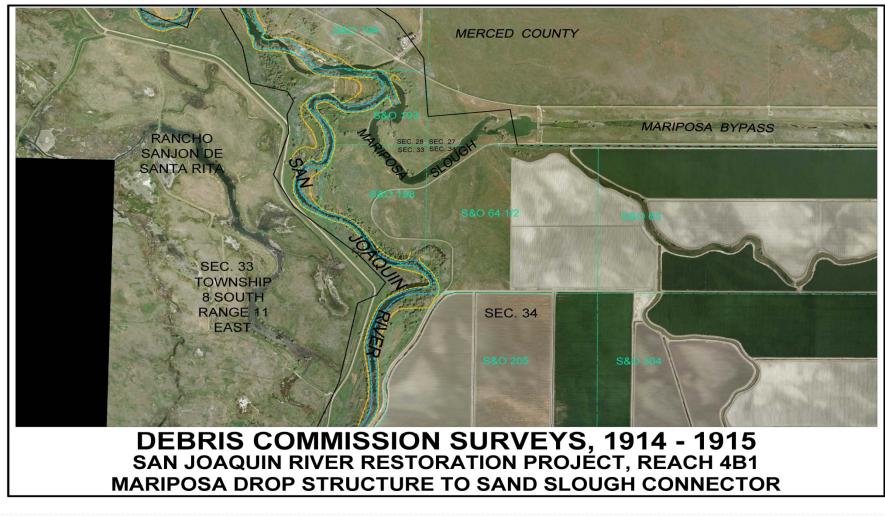
STATE ENGINEER HAMMOND HALL MAP OF THE SAN JOAQUIN VALLEY 1886

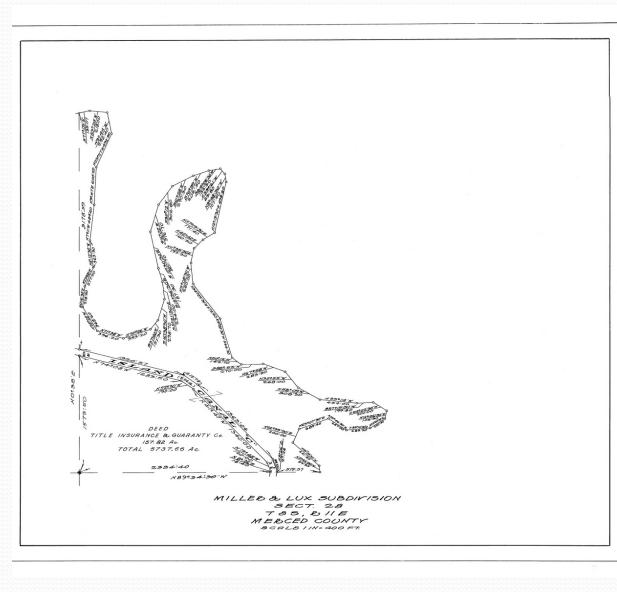


CALIFORNIA DEBRIS COMMISSION MAPPING 1914



CSLC REACH 4B1 COMPILATION PLA MARIPOSA SLOUGH AREA 1914 CDC MAPPING



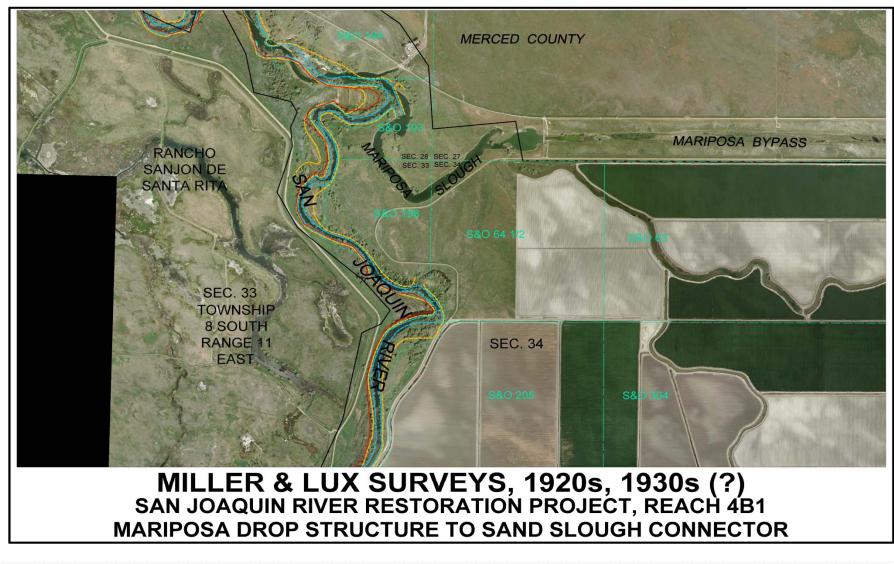


MILLER LUX PLATS 1920s –1930s

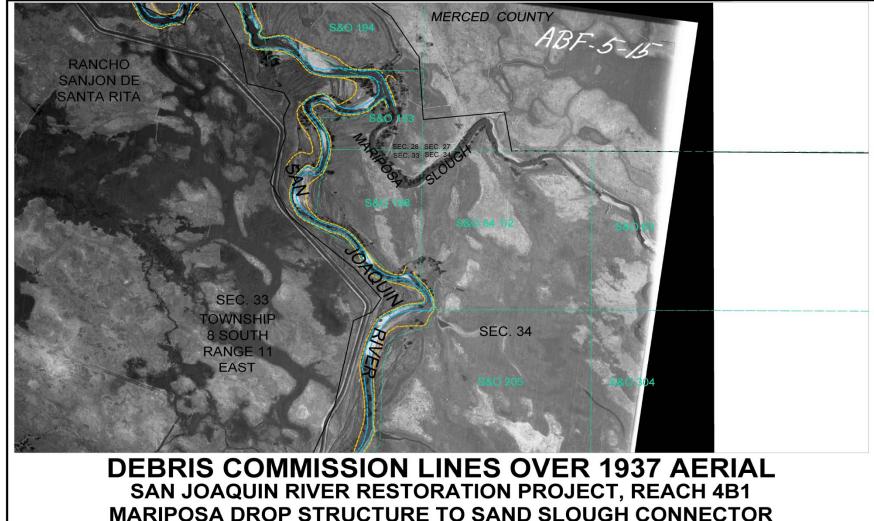


4" x 4" Redwood post Original monument?

CSLC REACH 4B1 COMPILATION PLA MARIPOSA SLOUGH AREA



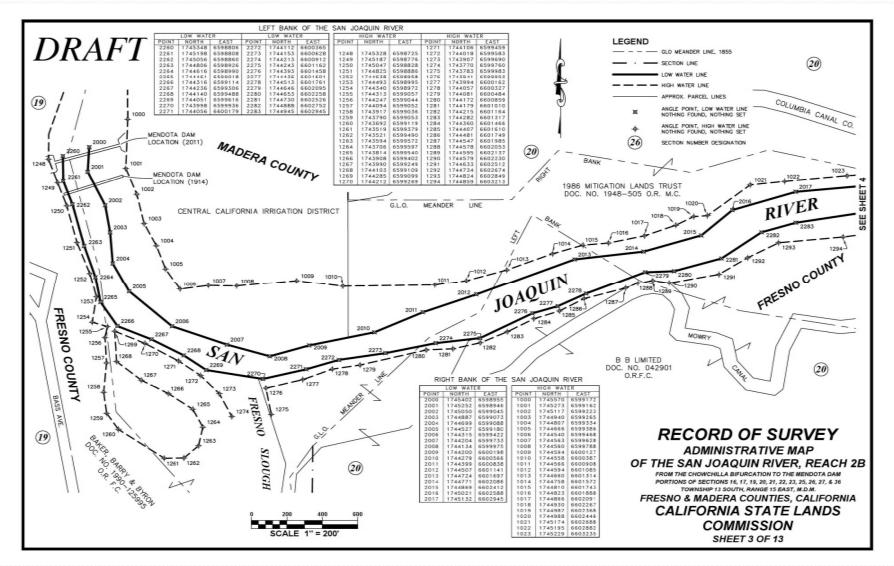
FAIRCHILD 1937 AERIAL PHOTOS SAN JOAQUIN RIVER



NEXT STEP ADMINISTRATIVE MAPS

- Will show lines of the high water mark and of the low water mark based on the best available evidence
- Map form similar to a Record of Survey, per Land Surveyors Act (B&P Code §8765[a])
- Maps will be filed with the County Surveyors of each county affected
- Map content will be a continuation of Reach 2B Administrative Maps

ADMINISTRATIVE MAP



EFFECT AND USE OF LINES SHOWN ON THE ADMINISTRATIVE MAPS

- Basis of State claims of limits of sovereign ownership and Public Trust Easement
- Subject to change if better evidence is found by or presented to the CSLC
- Basis for Real Estate purchases, Exchanges and Boundary Line Agreements
- Basis for CSLC Leases
- CSLC may exercise the Public Trust Easement rights