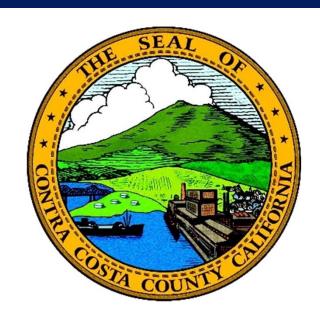
Update on Sacramento-San Joaquin Delta and the Delta Counties Coalition

Ryan Hernandez, Manager Contra Costa County Water Agency

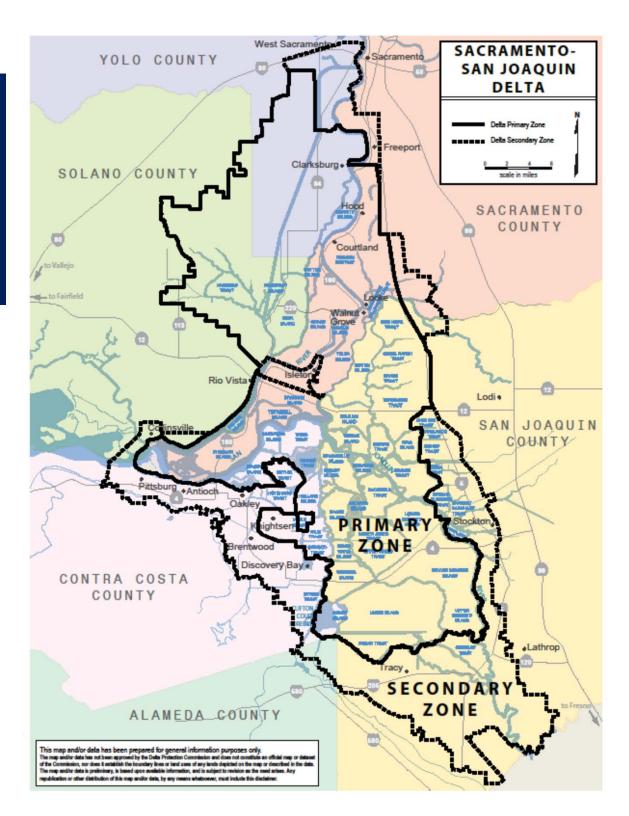
April 26, 2022 Contra Costa County Board of Supervisors



Presentation Outline

- Delta Counties Coalition
 - Priorities
 - Advocacy and Recent Congressional Tour
- Sacramento and San Joaquin River Flows
- Delta Tunnel Project
 - Bethany Alternative
- Water Quality, Salinity and Drought

Sacramento-San Joaquin Delta



Delta Counties Coalition



Contra Costa - Sacramento - San Joaquin Solano - Yolo

2022 DCC Strategic Priority Goals

- #1 Ensure the health and sustainability of the Delta and its communities.
- #2 Advocate for improved water quality and Delta ecosystem while also being practical about the responsibility to provide reliable water supply for the State.

DCC Advocacy



Sacramento to Washington, DC - Local, State and Federal



Congressional Tour

April 6, 2022





Flows and Water Quality

Average Annual Flows Utilized and Routed Through Delta

21.8 MAF Inflow

- 15.8 MAF Outflow to Bay
- 0.9 MAF In-Delta Use
 - 5.1 MAF Avail. for Exports

Source: California Water Resilience Portfolio – July 2020 Delta Water: Inputs and Outputs The Delta drains a watershed encompassing 4D percent of California's Major water intakes in the Delta land mass. Federal, state Freeport Intake and local reservoirs Major reservoi store some of that water Barker Slough Pumping Plant for flood protection. water supply and City of Stockton Intake environmental uses. Rock Slough Intake Old River Intake and Pump Station OROVILLI Source of major Mid dle River Intake water movement Sacramento River Jones Pumping Plant 6.1 Amount in million acre-feet B Banks Pumping Plant (MAR) MAF On average, about 22 million FOLSON a cre-feet of water flow into the Delta, 15 million acre-feet Yolo flow out to San Francisco Bay. Bypass about 1 million acre-feet are consumed within the Delta, and 5 million acre-MAF feet are exported for urban Eastside and agricultural use in central coastal and southern Tributaries PARDE California regions. 0.8 MAF RETCH Outflow HETCHY to Bay 15.8 BANKS MAF San In-Delta Joaquin FRIANT Use River 0.9 **Exports** MAF MAF MAF

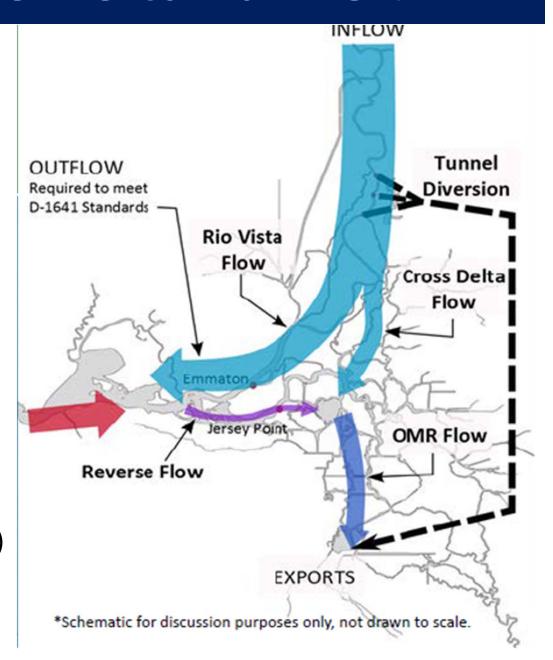
Note: During Drought Conditions Delta Inflow Values are
Substantially Reduced in Comparison to Reductions of Delta Exports

What is the Delta Tunnel?

The Delta tunnel project is the latest version of a massive State water infrastructure project that would divert water around the Delta.

Previous names and programs associated with the concept include:

- Peripheral Canal (1940-1982)
- CALFED (1990-2000)
- Bay Delta Conservation Plan (2008-2014)
- California WaterFix (2015-2019)
- Delta Conveyance Project (Current)

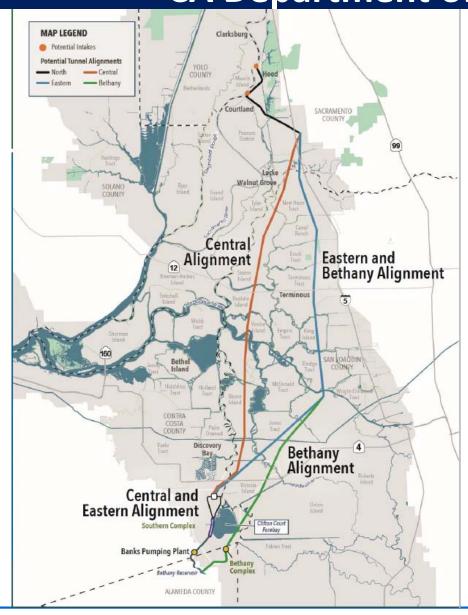


April 26, 2022

Keep Water Flowing Through the Delta

- Isolated conveyance (tunnel) is a threat
- Tunnel takes fresh water out of the Delta bypassing the ecosystem, so less water goes through the Delta
- Export water quality (WQ) improves at the expense of water quality for those who live and work in the Delta

Possible Tunnel Routes Considered by the CA Department of Water Resources



Project would include:

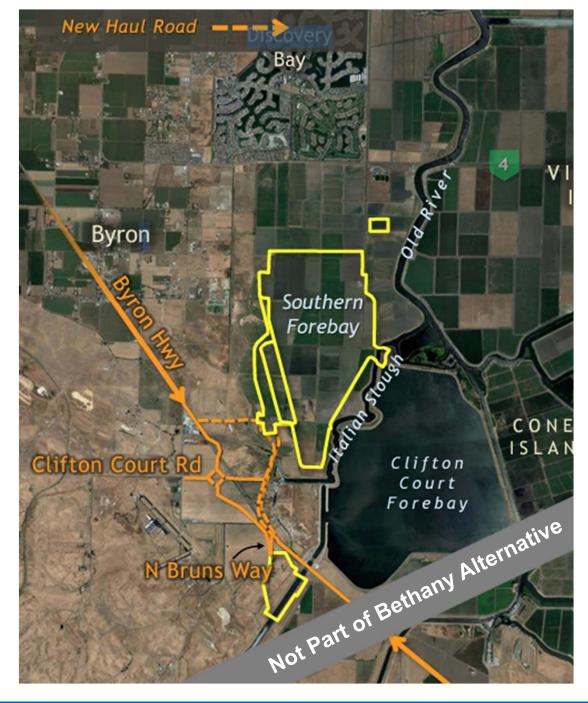
- Two 3,000 cubic feet per second intakes at Hood and Courtland (each almost 1 mile long)
- 40+ miles of 40' in diameter tunnel buried 150 feet down
- 14 years of construction
- Heavy truck trips on I-5 and local roads (200,000+ truck trips)

Project does not include:

-Any local benefits (e.g., water supplies)

Cost: \$16 billion +

Southern Forebay CentralEastern Alternative

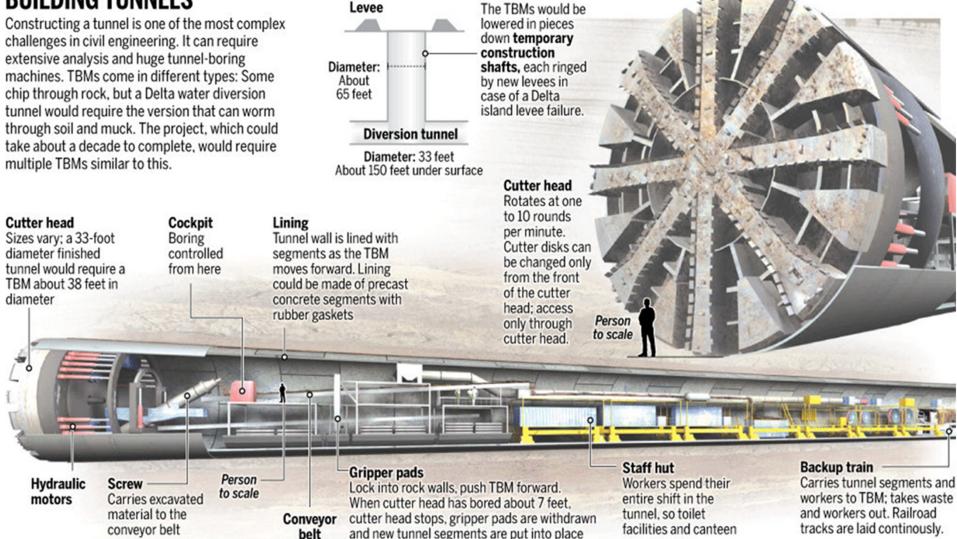


Central, Eastern and Bethany Alternative



Construction

BUILDING TUNNELS



Sources: Malmotunnel.se; Great Belt; Lovat; professor Christian Frenzel, Colorado School of Mines; California Department of Water Resources

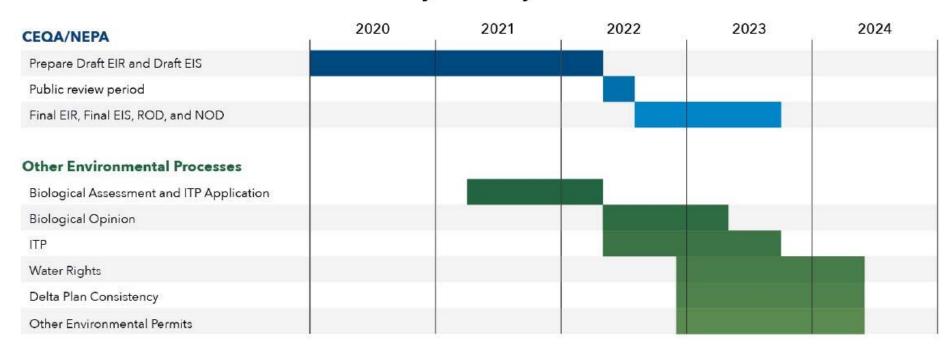
Sacramento Bee, McClatchy Tribune

are necessary.

Department of Water Resources' Review and Permitting Timeline for Delta Tunnel Project

Opportunities to Get Involved and Be Heard Coming Up

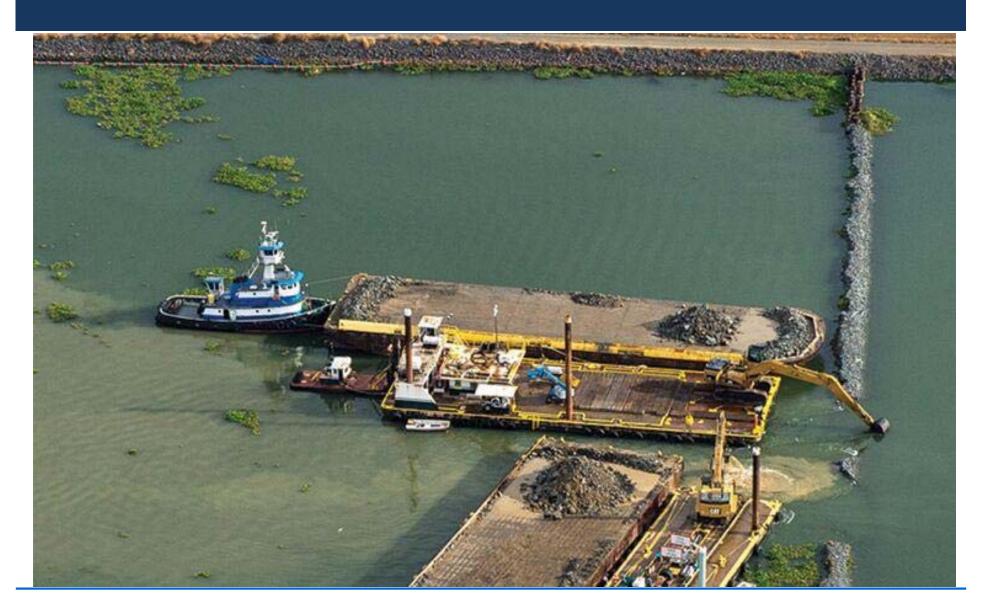
Delta Conveyance Project Schedule



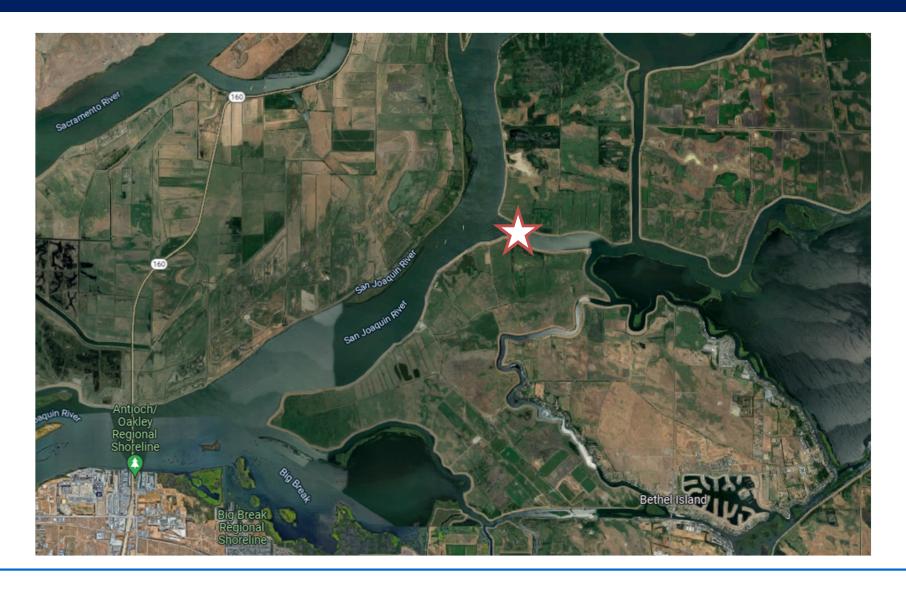


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WQ, Drought and Salinity Barrier

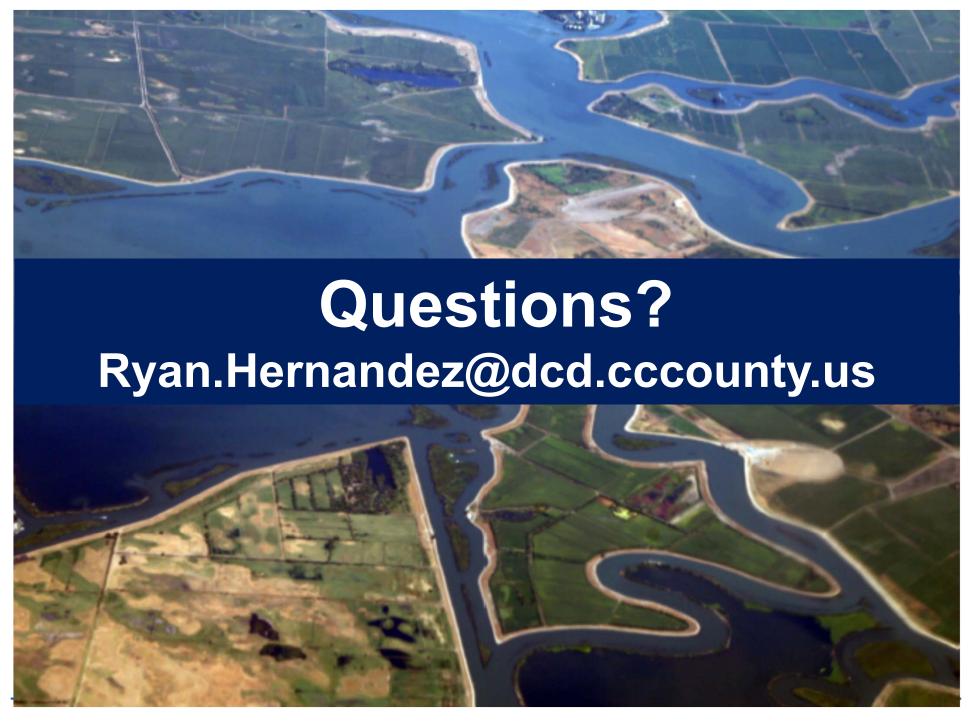


West False River Barrier Location



West False River Barrier





References

Delta Counties Coalition

https://delta.saccounty.gov/content/Pages/delta-counties-coalition.aspx

Department of Water Resources

https://water.ca.gov/deltaconveyance

Delta Conveyance Design & Construction Authority

https://water.ca.gov/deltaconveyance