




# BDCP

## BAY DELTA CONSERVATION PLAN

2013



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Southern California Water Committee



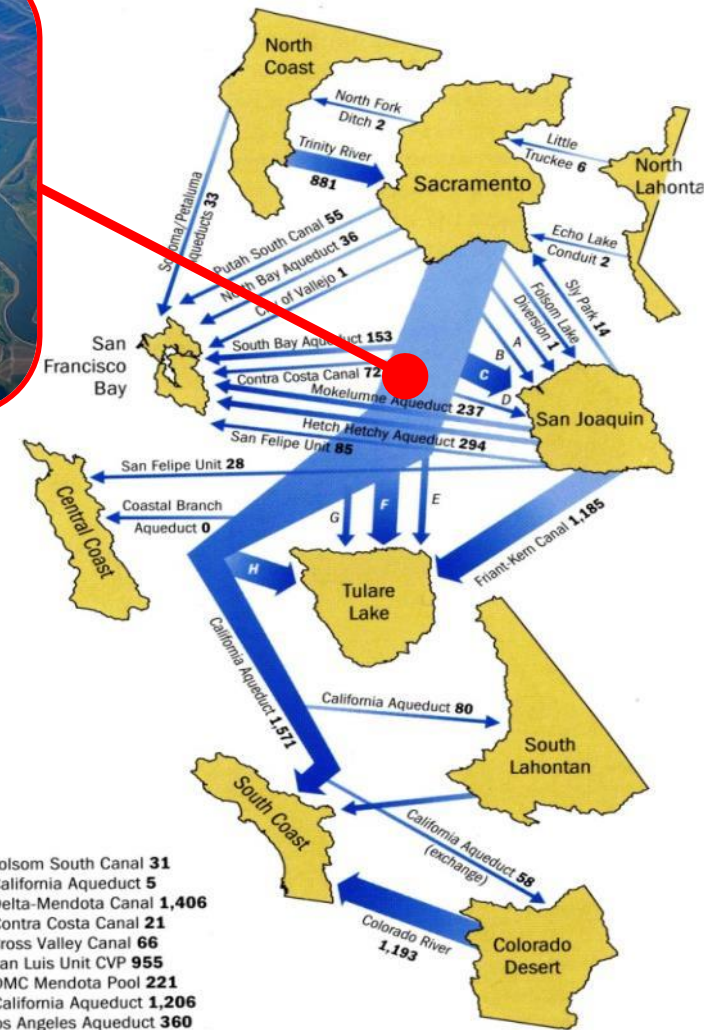
An aerial photograph of the California Delta, showing a complex network of waterways, levees, and islands. In the background, a range of mountains is visible under a clear blue sky. Overlaid on the left side of the image is a map of California with a red border. The map shows major waterways in blue and green, and cities marked with dots. A yellow circle on the map highlights the Delta region, and the text "Bay-Delta" is written in yellow next to it.

**Bay-Delta**

**... the Hub of  
California's Water**



# Water Movement in California





# The Bay-Delta

## Hub of California's Water



A map of California is overlaid on a background image of the San Francisco Bay-Delta. The map shows major waterways in blue and green. Three regions are highlighted with yellow ovals: the Bay Area in the north, the Central Valley in the center, and Southern California in the south. Colored dots (blue, green, purple) are placed along the waterways. Text boxes provide dependency percentages for each region.

**Bay Area = 33%**

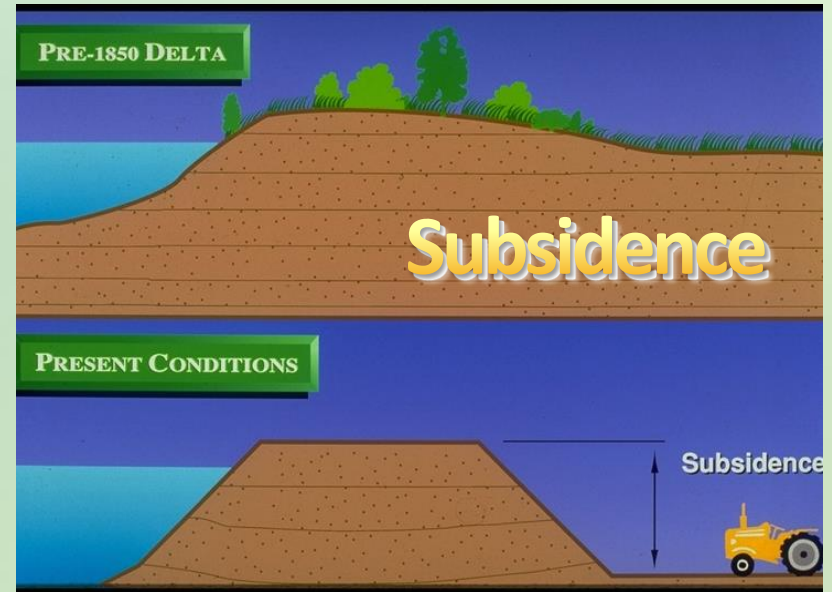
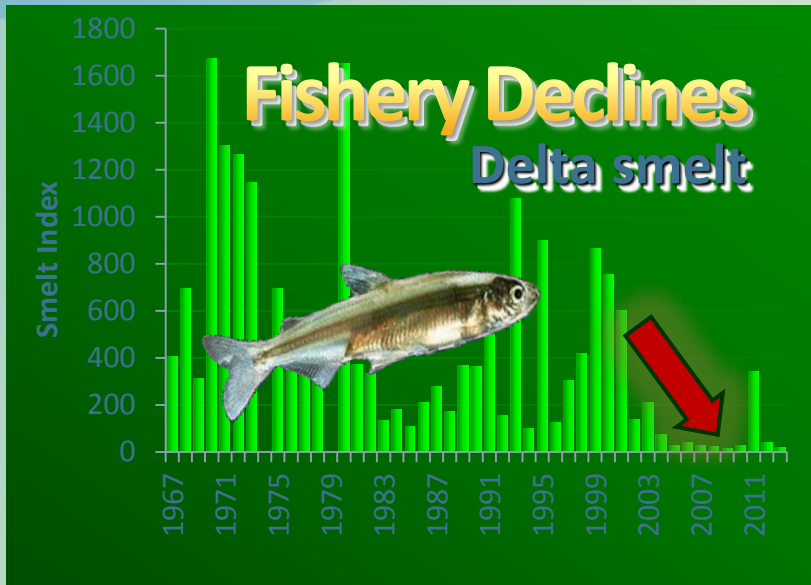
**Some regions up to  
100% dependent**

**Central Valley = 23 to 90%**

**Southern Cal = 30%**



# Key Delta Risks



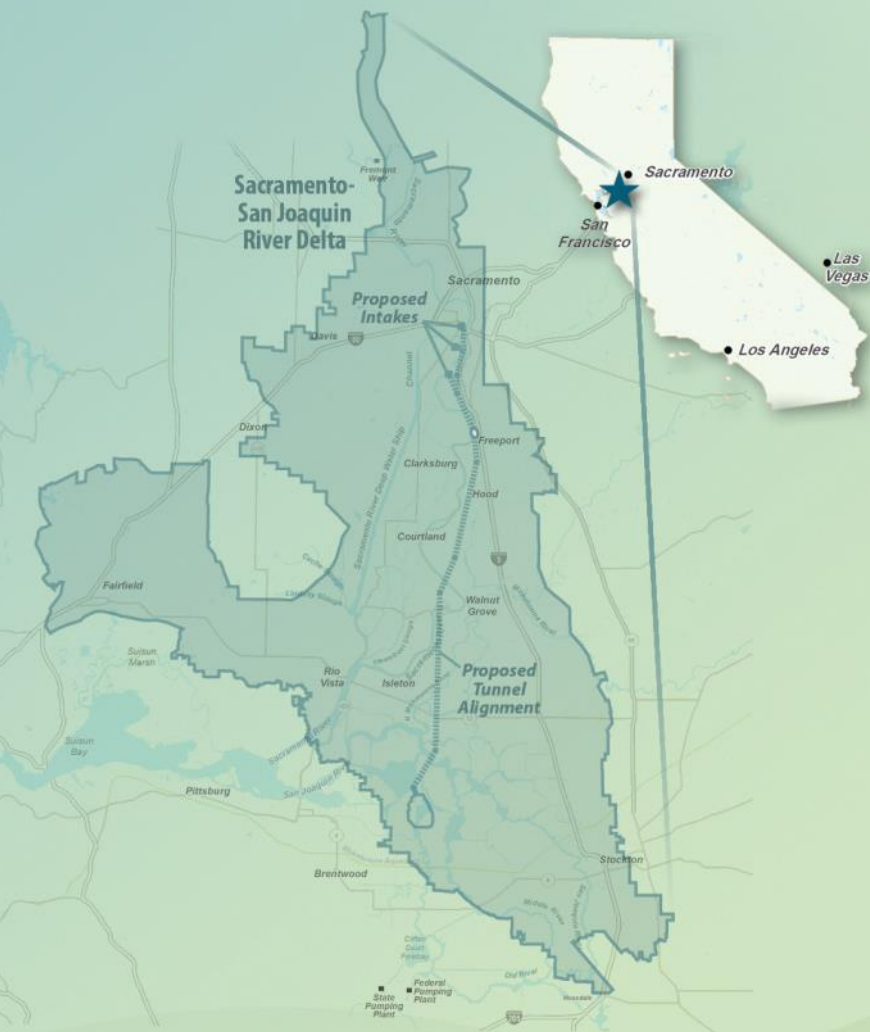
## A Vulnerable & Incomplete System

- 100-year-old man-made levee system is old and fragile
- Much of the land has subsided below sea level
- Future sea level rise and changing weather patterns will put greater pressure on the levees



# The BDCP is...

...a long-term strategy to secure California's water supplies and improve the ecosystem of the Sacramento-San Joaquin River Delta.



## The BDCP Co-Equal Goals



### WATER SUPPLY RELIABILITY

**3 INTAKES**

**2 GRAVITY FLOW TUNNELS**

**30 MILES IN LENGTH**

**9,000 CFS\***  
CAPACITY

\*Cubic Feet per Second



### ECOSYSTEM RESTORATION

**150,000**

ACRES OF RESTORED AND PROTECTED HABITAT

**56** PROTECTED SPECIES

IMPROVED FLOW CONDITIONS TO BENEFIT FISH IN THE DELTA



A retrofit of the existing system that secures it from risk of flood, earthquake and sea level rise in the Delta is the most sensible approach





# The BDCP is Important for California

## WATER SUPPLY RELIABILITY

**25** MILLION  
PEOPLE

from  
the Bay Area  
to San Diego rely  
on water from the Delta



MORE THAN  
**3 MILLION**  
ACRES OF FARMLAND

rely on water  
from the Delta

## ECOSYSTEM RESTORATION



**DELTA FISH  
AND WILDLIFE**

depend upon a healthy  
Delta ecosystem

## CLIMATE RISK ADAPTATION



**LEEVE  
FAILURES**



**RISING SEA  
LEVELS**



**EARTHQUAKES**

**NATURAL RISKS  
AND CLIMATE CHANGE**

threaten the reliability of the existing system

# The BDCP Would Benefit Millions of Californians

The BDCP is one part of California's overall water portfolio. It aims to protect our unique Delta ecosystem and secure water supplies for a vast part of the California economy.

## SECURING WATER SUPPLIES



**4.7-5.6**

**MILLION ACRE-FEET ON  
AVERAGE ANNUALLY**

(An acre-foot is roughly  
as much water as two  
California households  
use, indoors and  
outdoors, in a year)

## CREATING & PROTECTING JOBS



**1.1 MILLION**

**FULL-TIME EQUIVALENT  
JOBS CREATED AND  
SAVED FOR CALIFORNIA**

(Based on a year by  
year estimate)

## BOOSTING THE ECONOMY



**\$84 BILLION**

**INCREASE IN  
STATE ECONOMIC  
PRODUCTIVITY**

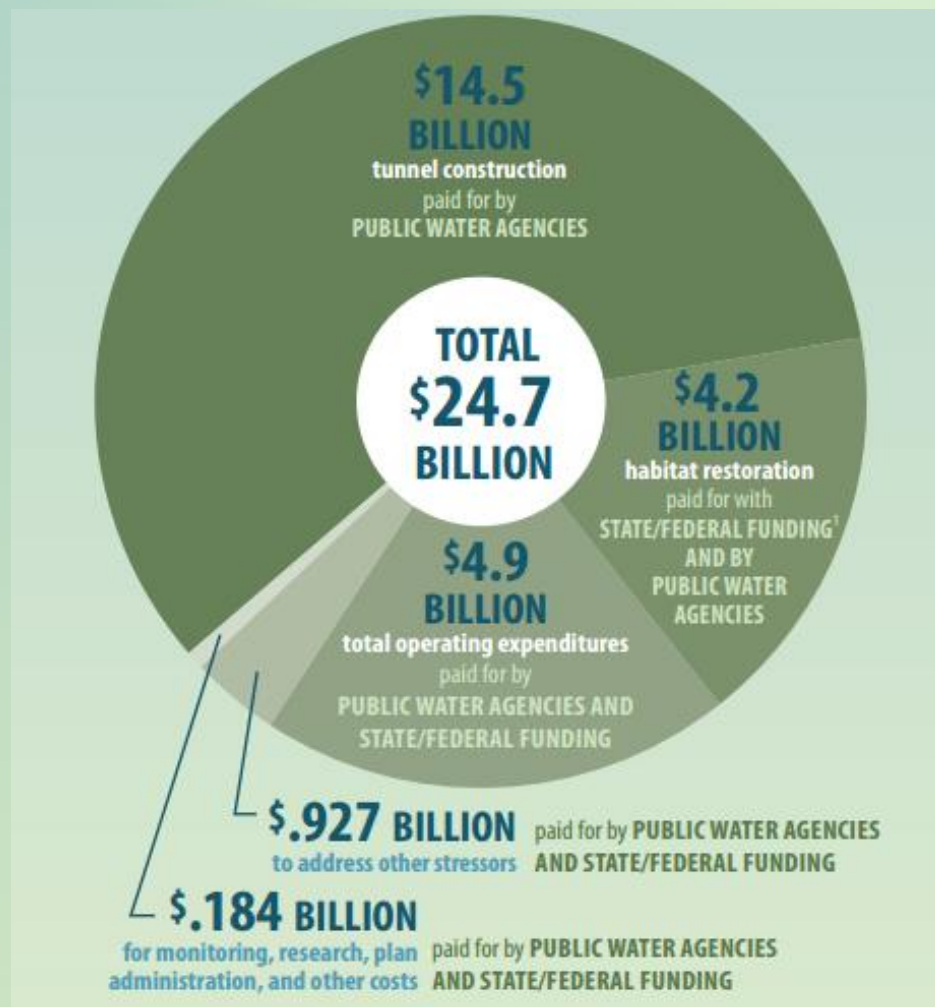


# Southern California's Diverse Water Supplies



# BDCP Cost and Funding...

...implemented over a 50-year period.



<sup>1</sup>The availability of federal funds will be contingent on future federal appropriations.

<sup>2</sup>Program oversight includes monitoring and research, management/administration, changed circumstances, and property tax revenue replacement.



# An Investment Long Overdue



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Bridges & Highways

Hospitals

Public Schools

Prisons

California's Water Delivery System



# The BDCP is Guided by the Best Available Science



## **ADAPTIVE MANAGEMENT PROGRAM**

to implement and  
monitor BDCP biological  
goals and objectives



## **WATER OPERATIONS**

by the Department of  
Water Resources and the  
U.S. Bureau of Reclamation



## **OVERSIGHT**

by state and federal  
fish and wildlife agencies



# Failure is Not an Option



# Thank You!

Richard Atwater  
Southern California Water Committee