

FIXING  
**CALIFORNIA'S WATER SYSTEM**

SECURING STATE WATER SUPPLIES

**ALTERNATIVE 4A**

FIND OUT MORE



# THE PROBLEM

California's primary clean water supply that 25 million people depend on is out of date, unreliable and inefficient

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## **OUR WATER SYSTEM IS OUT OF DATE AND OUR PRIMARY WATER SUPPLY IS AT RISK**

California's largest supply of clean water is dependent on 50-year-old levees. Earthquakes, floods and rising sea levels could cause these levees to fail, putting our fresh water supply at risk from saltwater contamination.

2

## **WE ARE WASTING WATER**

The current system is inefficient and cannot adequately capture and store water when it's available. We are leaving behind fresh water that could be used by farms, businesses and communities.

3

## **THE COST OF DOING NOTHING IS TOO GREAT**

Without an update to our water infrastructure, the environment and the state's economy are at risk. We face serious potential for disruption to our water supplies causing job loss, higher food and water prices, and significant species decline.

4

## **OUR ENVIRONMENT IS SUFFERING**

The current pumps are extremely powerful, causing harmful reverse flows, trapping endangered fish and pulling them toward predators. We can't let endangered species go extinct.

We need a real solution that provides reliable, clean and safe water to California businesses, farms and residents.

# A STATE-OF-THE-ART SOLUTION

## SCIENCE, TECHNOLOGY AND INNOVATION

WaterFix is a science-driven upgrade to our aging water system. It will provide clean, reliable water while protecting our environment. WaterFix covers five main areas:



WATER SECURITY



ENVIRONMENTAL PROTECTION



REDUCED RISK FROM EARTHQUAKES AND CLIMATE CHANGE



SYSTEM UPGRADES AND NEW TECHNOLOGY



INCREASED EFFICIENCY

WaterFix is supported by engineers, scientists, water experts, California businesses and environmental groups. It is the result of an unprecedented level of public review and comment, and was chosen after evaluating thousands of alternatives because it is an economically smart solution to our state's water problem.

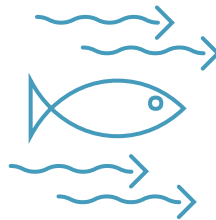
[CLICK HERE FOR MORE DETAILS](#)

### PROJECT DETAILS

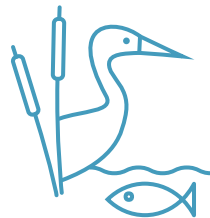
California WaterFix (WaterFix) is a bold, forward-thinking approach to California's toughest water problems. It will modernize our aging water delivery system and go beyond the status quo to protect sensitive fish species. Key components include:



Protect our state's water supplies from climate change through water system upgrades



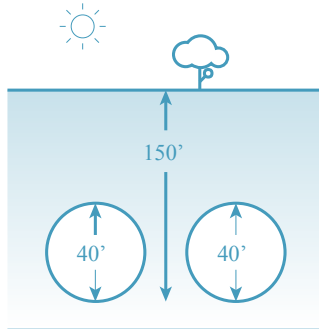
Improve river flows for threatened fish species



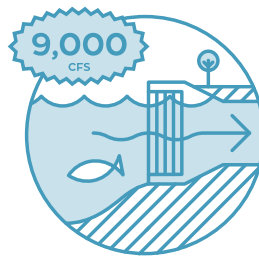
Ecosystem restoration and protection

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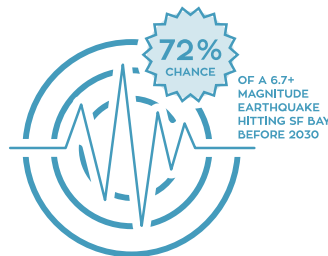
### WATER DELIVERY UPGRADE



2 tunnels up to 150' below ground designed to protect California's water supplies



3 new intakes, each with 3,000 cubic-feet per second (cfs) capacity and an average annual yield of 4.9 million acre-feet

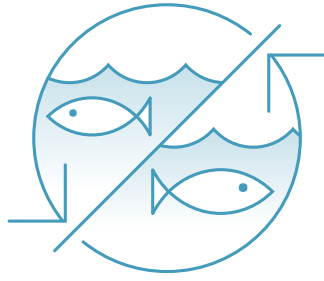


Protection against water supply disruption from failure of aging levees due to sea-level rise, earthquakes and flood events

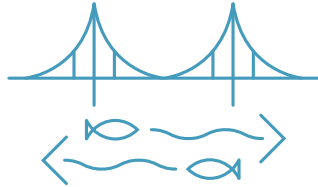
[OPERATIONS \(docs/BDCP\\_FS\\_Operations.pdf\)](#)

2

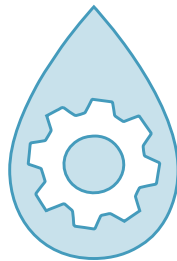
### IMPROVED RIVER FLOWS



Reinstate a more natural direction of river flows in the South Delta



New criteria to protect spring outflow to San Francisco Bay



Criteria to protect Sacramento River flows and fish

3

## ENVIRONMENTAL ENHANCEMENTS

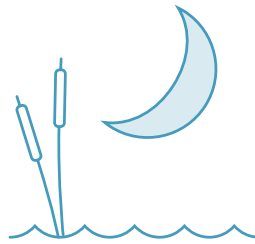
Based on ongoing review of potential construction and operational impacts, mitigation for California WaterFix construction and operation will include about 2,300 acres of habitat restoration and up to 13,300 acres of habitat protection (e.g. conservation easements). This additional acreage will focus primarily on preserving habitat and wildlife-friendly agriculture in the Delta. DWR and the U.S. Bureau of Reclamation anticipate these revised acreage targets for habitat restoration and protection will be the maximum amount required for mitigation. Final determinations will be based on actual project impacts and consultation with fish and wildlife agencies. All habitat restoration and protection costs for California WaterFix will be paid for exclusively by water agencies benefiting from the project.

Separate from California WaterFix and over the next 5 years, California will pursue more than 30,000 acres of critical Delta restoration under the California EcoRestore program, pursuant to pre-existing regulatory requirements such as the 2008 and 2009 biological opinions and various enhancements to improve the overall health of the Delta ecosystem.

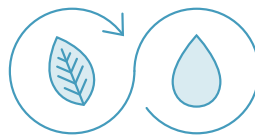
Proposition 1 funds and other state public dollars will be directed exclusively for public benefits unassociated with any regulatory compliance responsibilities.



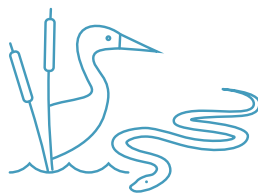
Improve habitat conditions along five miles of important juvenile salmon migration routes



Restore tidal and non-tidal wetland habitat to sustain habitat functions for native wildlife, such as the giant garter snake and salmon




Restore native riparian forest and scrub to support habitat for riverside species and improve linkages for terrestrial and other native species



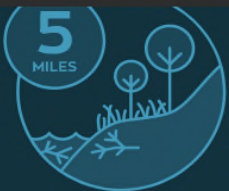
Improve connectivity among existing patches of grassland and other natural habitats

<https://www.californiawaterfix.com/> (excerpt)




**CALIFORNIA WATERFIX**  
RELIABLE. CLEAN. WATER.

PROBLEM   SOLUTION   NEWS   STAY CONNECTED   RESOURCES 




**5 MILES**


Improve habitat conditions along five miles of important juvenile salmon migration routes



Restore tidal and non-tidal wetland habitat to sustain habitat functions for native wildlife, such as the giant garter snake and salmon




Restore native riparian forest and scrub to support habitat for riverside species and improve linkages for terrestrial and other native species



Improve connectivity among existing patches of grassland and other natural habitats

**~2,300 ACRES**  
OF HABITAT RESTORATION

- 1,070 ACRES**  
GRASSLAND RESTORATION
- 925 ACRES**  
SEASONAL, TIDAL & NON-TIDAL WETLAND RESTORATION
- 351 ACRES**  
RIPARIAN HABITAT RESTORATION



**~15,600**  
TOTAL ACRES OF ECOSYSTEM RESTORATION AND PROTECTION

**~13,300 ACRES**  
OF HABITAT PROTECTION

- 11,870 ACRES**  
CULTIVATED LAND PROTECTION
- 269 ACRES**  
SEASONAL & NON-TIDAL WETLAND PROTECTION
- 1,060 ACRES**  
GRASSLAND PROTECTION
- 103 ACRES**  
RIPARIAN HABITAT PROTECTION