



SECURING SOLUTIONS FOR THE SACRAMENTO-SAN JOAQUIN DELTA'S NATIVE FISH

Once abundant, Central Valley Chinook salmon, steelhead and smelt populations have declined significantly in recent years. Loss of habitat, altered flows, pollution, invasive species, predators and fluctuating ocean conditions have all influenced the health of native populations.

In the Sacramento-San Joaquin Delta (Delta), tidal marshes, floodplains and other features that once provided places for native fish to hold, rest, feed, and grow have been replaced by channels bound by rockhardened levees. Existing operation of the state and federal pumping facilities can, at certain times, contribute to reverse river flows and trap migrating fish.

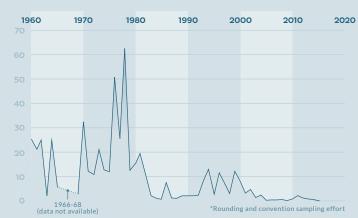
Today, approximately 95 percent of juvenile San Joaquin River salmon and 60 percent of Sacramento River Chinook salmon do not survive their migration through the Delta.

DECLINING FISH POPULATIONS

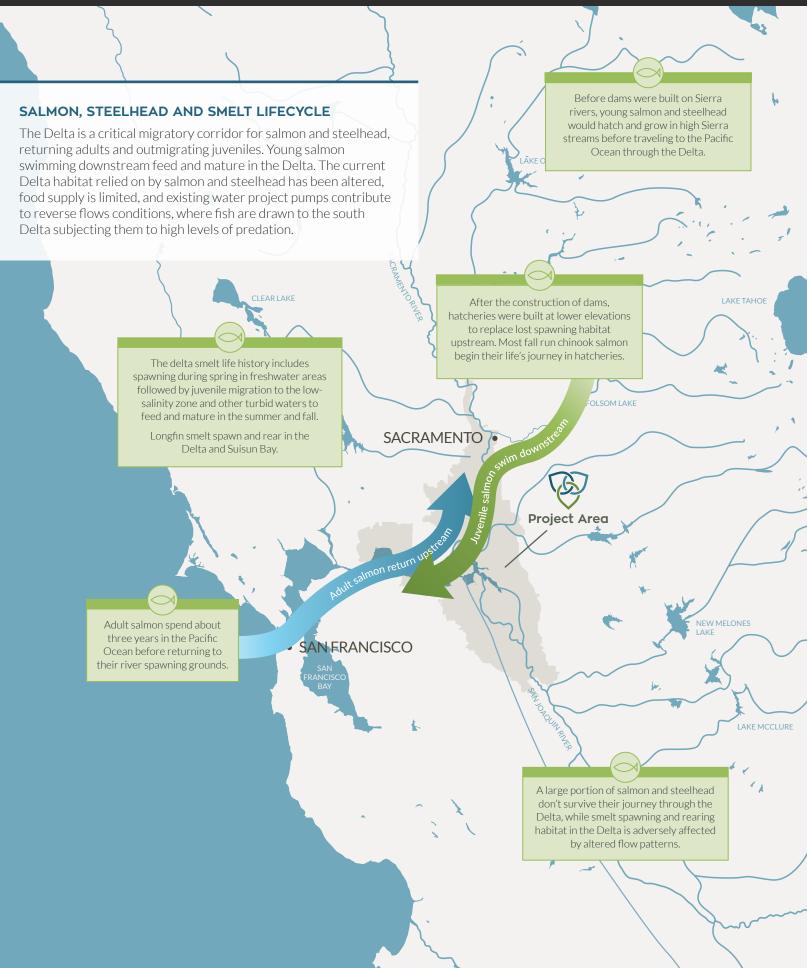
The California Water Fix seeks to reduce reverse flows and fish entrainment in the Delta, and ensure sufficient flows to protect fish migrating past the north Delta diversions. A healthier Delta can contribute to more resilient fish populations better able to withstand adverse and unpredictable conditions due to climate change.



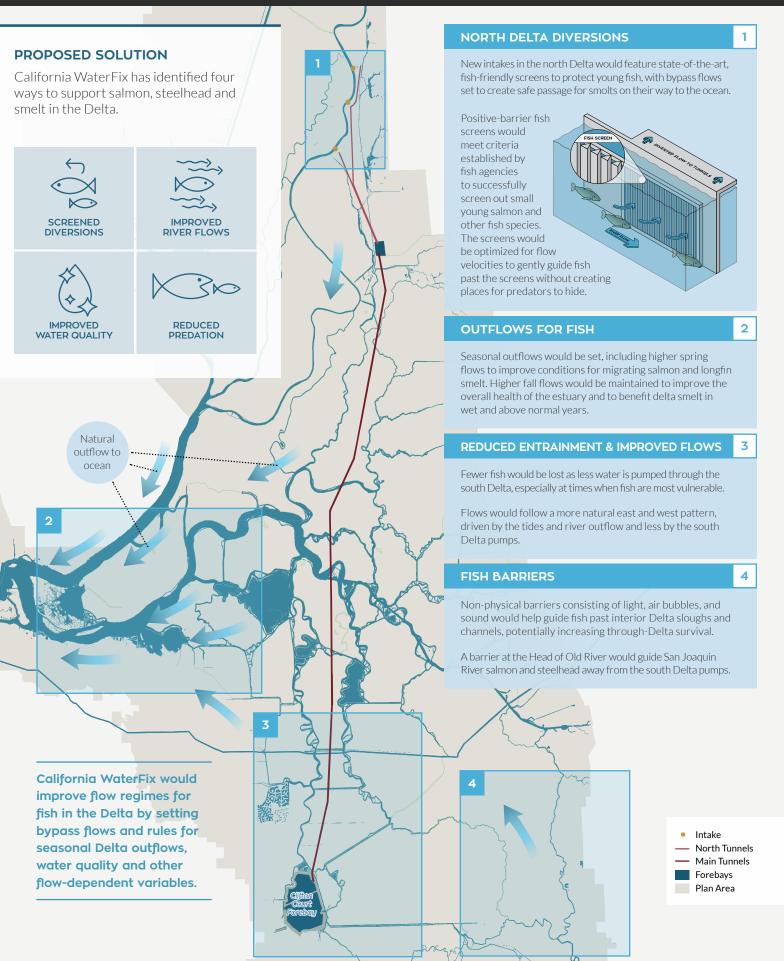
TOWNET DELTA SMELT SURVEY INDEX*













ADDITIONAL EFFORTS TO RESTORE NATIVE FISH POPULATIONS

In addition to California WaterFix, other efforts are underway to help reverse the decline in native Delta fish populations. The California Water Action Plan includes aggressive actions to restore salmon, steelhead and smelt populations.



BRING BACK SALMON TO THE SAN JOAQUIN RIVER

The Department of Fish and Wildlife (DFW) and the Department of Water Resources (DWR) lead the state's effort, as part of the San Joaquin River Restoration Program, to restore to the San Joaquin River from Friant Dam to the confluence of the Merced River and bring back a naturally-reproducing, self-sustaining Spring-run Chinook salmon fishery while reducing or avoiding adverse water supply impacts. As part of that effort the DFW will complete construction of a conservation hatchery and research facility. DWR will support the implementation of channel and structural improvements that result in restoring fish and flows. The administration will work with the Legislature and others to secure further funding as necessary to achieve these activities and the restoration goal.



ASSESS FISH PASSAGE AT LARGE DAMS

The Department of Fish and Wildlife, in coordination with state and federal resource agencies, will develop an evaluation and feasibility process for addressing fish passage at California's rim dams and develop rim dam solution plans for the most feasible locations. Rim dams are the large dams at the base of most major river systems in California. Where feasible, passage above the rim dams may be necessary to recover salmon.



IMPROVE HABITAT FOR NATIVE FISH

California EcoRestore will accelerate and implement 30,000 acres of habitat restoration and protection over the next three to five years to support the long-term health of the Delta's ecosystem.



ENHANCE WATER FLOWS IN STREAM SYSTEMS STATEWIDE

The State Water Resources Control Board and the Department of Fish and Wildlife will implement efforts to enhance flows in at least five stream systems that support critical habitat for anadromous fish.



ELIMINATE BARRIERS TO FISH MIGRATION

The administration will work with the Legislature and others to secure funding to install or repair fish screens within major tributaries. In smaller watersheds around the state, the Department of Fish and Wildlife will complete culvert and bridge improvement and small dam removal projects to provide anadromous fish species access to historic spawning and rearing habitat.

More information on the California Water Action Plan may be found at:

WWW.RESOURCES.CA.GOV