

Restoring the Salmon Runs - a Time for Action

Sacramento Valley water resources managers are partnering with federal and state agencies and conservation organizations to improve migratory corridors and habitat for salmon. The measures taken and the money spent – more than \$1 billion over the past two decades – have been helpful but there is still more work ahead to restore the salmon runs.

Fish screens More than 80 percent of the water diverted from the Sacramento River system for wildlife refuges, farms, cities and rural communities is pumped through state-of-the-art fish screens, while the fish stay safe, healthy and in the river.

Spawning gravel is reintroduced to rivers and streams to improve spawning habitat. Over 200,000 tons of gravel has been added to the Sacramento River since 1997.

Flow agreements to benefit salmon and other fish are on every major watercourse in the Sacramento Valley. Get the details at www.norcalwater.org/efficient-watermanagement/instream-flows/

Migration corridors are important to help young salmon [smolts] avoid predators in their migration from the Valley to the ocean. Water managers in the Sacramento Valley are currently building a Salmon Smolt Escapement Plan to time pulses of water with fish releases.

Our thanks to California Fisheries biologist Dave Vogel, who made these recommendations as part of his report, *Insights into the Problems, Progress and Potential Solutions for Sacramento River Basin Native Anadromous Fish Restoration*
www.norcalwater.org/efficient-water-management/fisheries-enhancements/



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