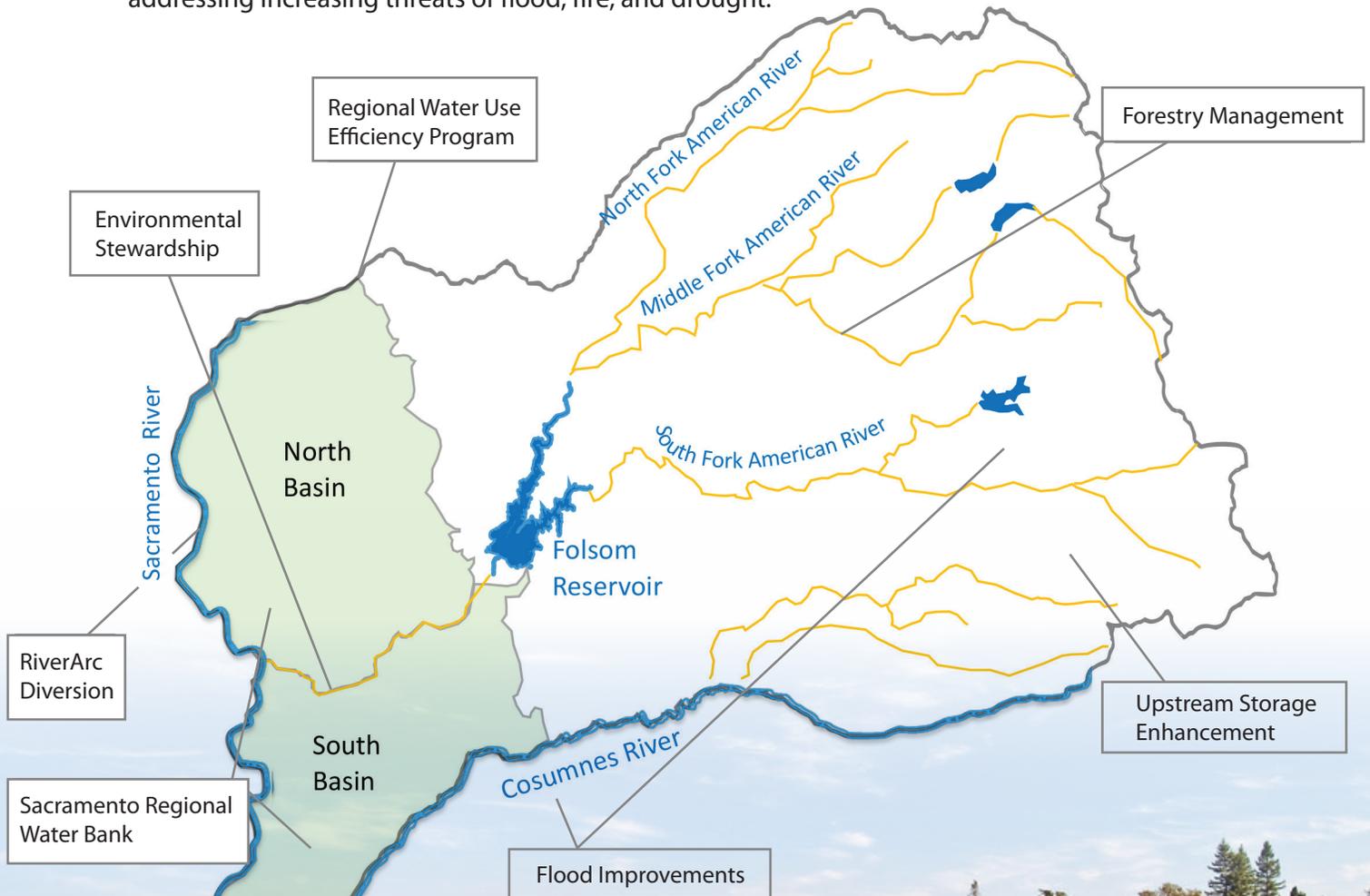


SACRAMENTO REGION WATER RESILIENCE PORTFOLIO

A Supershed Approach

Climate change is projected to have far-reaching implications on how California and the Sacramento region manage water supplies for both people and the environment. To address these challenges, local water managers have identified a comprehensive Water Resilience Portfolio encompassing our entire supershed—from the mountain tops of the American River watershed to the groundwater basin below the valley floor—that includes a suite of projects all focused on addressing increasing threats of flood, fire, and drought.





Sacramento Regional Water Bank

The Water Bank is an innovative groundwater storage and recovery program that, by 2030, will allow local water providers to store over 90,000 acre-feet of water during wet years using existing and planned facilities. During a dry year, much of that stored groundwater could be recovered, allowing more lake and river water to be available for the environment of the lower American River or other beneficial uses elsewhere in the state.



RiverArc

The RiverArc project would provide a low-impact diversion from the Sacramento River, preserving water in Folsom Reservoir and the lower American River for the environment, and would expand the years when groundwater could be banked. Utilizing an existing water supply diversion on the Sacramento River, RiverArc will provide flexibility for the region to meet water supply needs in the most environmentally friendly manner.



Environmental Stewardship

The Water Forum Agreement is a regional commitment among water providers, environmentalists, business groups, and local agencies and is the Sacramento region's enduring North Star for meeting the co-equal goals of providing a reliable, long-term water supply and protecting and preserving the environment of the lower American River. The Water Forum's works helps preserve water storage in Folsom Reservoir to guard against drought and climate change, and improve water temperature and habitat in the lower American River for salmon and steelhead.



Regional Water Use Efficiency Program

Local water providers are committed to water efficiency through ongoing efforts and the Water Forum. The Sacramento region's overall water use per capita has decreased significantly over the past 20 years. During the drought, our region reached some of the highest conservation levels in the state, saving 12 percent of the state's total water savings with only 5 percent of the population.



Forestry Management

A healthy headwaters is critical to healthy water supplies. Currently, California faces the overwhelming challenge of overstocked and unhealthy forests, where the consequences are unnecessary evapotranspiration, ecosystems that are out of balance, and catastrophic fire. Our resilience portfolio builds and expands on successful projects that include multi-stakeholder collaboration to implement selective thinning, burn treatments, and targeted reforestation of climate-resilient trees.



Upstream Storage Enhancements

SAFCA is using advances in weather and runoff forecasting to maximize storage for flood waters in reservoirs upstream from Folsom, a strategy that will become ever-more critical with climate change as precipitation falls as rain rather than snow and snowmelt runoff peaks earlier in season. Enhancing storage upstream can reduce pressure on Folsom Reservoir and downstream levees for flood control, increase river flows for the environment, and redirect flood flows for groundwater recharge.



Flood Improvements

The region is continually looking at ways to improve reservoir management and move as much excess flood waters into the ground as possible. Spreading grounds and high-capacity recharge channels are being evaluated in agricultural land between Rancho Cordova and Elk Grove. Additionally, forecast-informed reservoir operation (FIRO) is being expanded on Folsom Reservoir operations.



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For more information about the Sacramento region's climate adaptation strategies, visit rwah2o.org or contact RWA Legislative and Regulatory Program Manager Ryan Ojakian at 916.967.7692.