Calleguas Municipal Water District
Regional Salinity Management Pipeline

Project Benefits

Environmental

- ◊ Improves the quality of flows into creeks.
- ◊ Reduces greenhouse gas emissions by using local water resources instead of imported sources.
- ◊ Reduces dependence on imported water from sensitive Delta eco-system in Northern California.

Water Supply

- ◊ Improves region's water reliability.
- ◊ Enables water agencies to develop new local water from existing poor quality groundwater.
- ◊ Promotes pumping of shallow groundwater, providing space for stormwater capture.

Water Quality

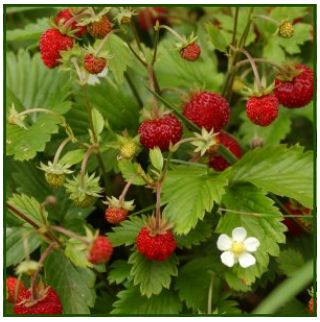
- ◊ Protects resources for municipal, agricultural & environmental use.
- ◊ Safely removes salts to the ocean where they cause no harm.
- ◊ Helps local communities meet water quality standards for Calleguas Creek and its tributaries.

The Salinity Management Pipeline (SMP) collects salty water generated by groundwater desalting facilities and excess recycled water and conveys that water for safe discharge to the ocean, where natural salt levels are higher. In the future, it will facilitate the development of potable reuse projects to maximize the use of available water supplies.

Pipeline Construction

The SMP improves water supply reliability by facilitating development of more than 40,000 acre feet of new, local water supplies each year (one acre-foot is enough water for two households for one year) .

The SMP is vital to the region's water reliability as imported supplies from the State Water Project have become increasingly vulnerable to drought, catastrophic levee failures from flood and/or seismic events, and regulatory shut downs of pumping facilities to protect endangered species.



Berries need low salt water

The SMP improves water quality by moving salts out of the watershed. Salt is removed from groundwater and the concentrate from the treatment process sent to the SMP. Highly treated wastewater which is too saline for discharge to local streams is sent to the SMP during wet periods when it is not needed for irrigation.

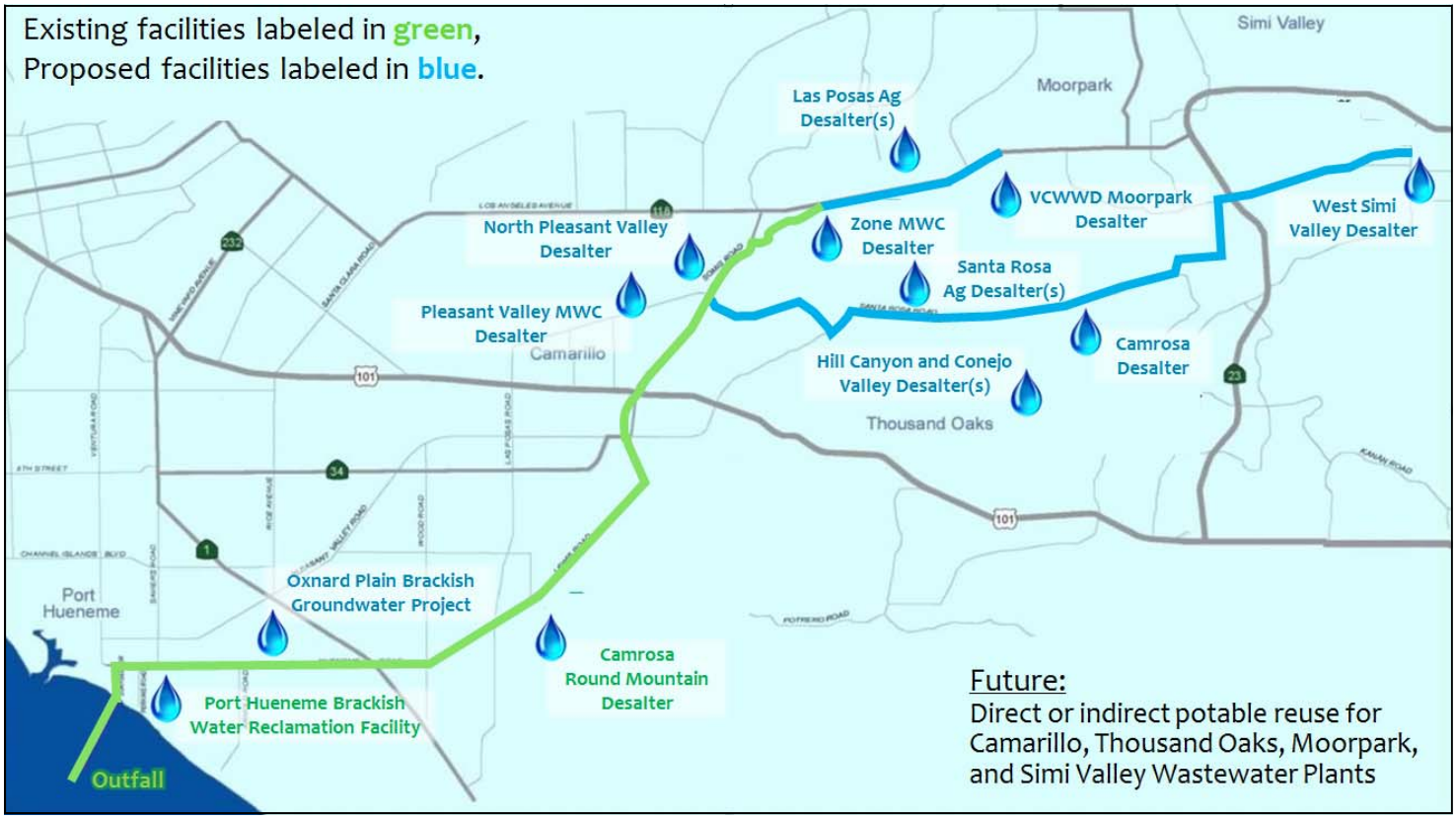
Ventura County has abundant sources of groundwater, but much of it is too high in salts for municipal and agricultural use. Likewise, salt levels are increasing in surface water supplies which is harmful to the environment. By treating groundwater to remove salts and moving those salts away from surface waters and into the SMP, water agencies in Ventura County solve a water quality problem, while improving local water supply reliability.

Ocean Outfall Construction

Calleguas Regional Salinity Management Pipeline and Associated Desalters

Port Hueneme Brackish Water Facility

Camrosa Round Mountain Desalter



Drilling a test well for the Ventura County Waterworks Moorpark Desalter

Artist's rendering of the Oxnard Plain Brackish Groundwater Project