

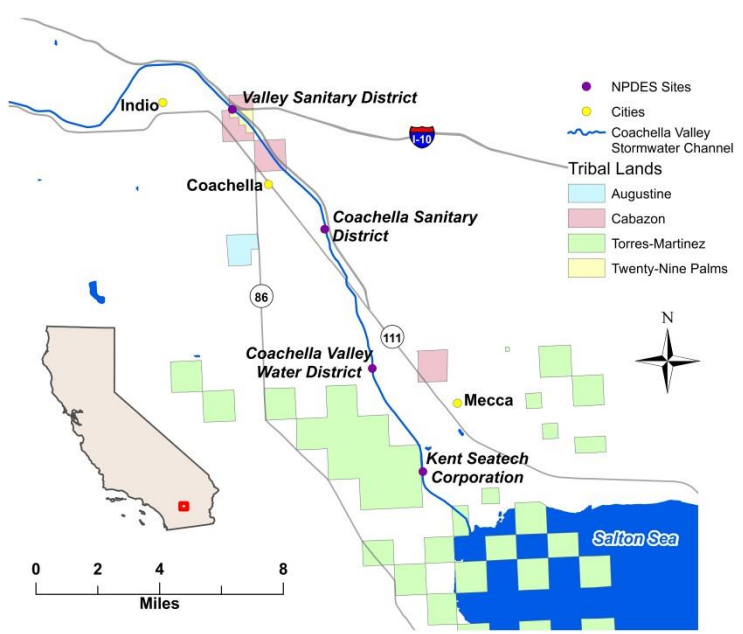
Total Maximum Daily Load Progress Report		Coachella Valley Stormwater Channel Bacteria TMDL	
Regional Water Board	Colorado River Basin, Region 7	STATUS	<input type="checkbox"/> Conditions Improving
Beneficial uses affected:	RARE, REC-1, REC-2, WARM, WILD		<input type="checkbox"/> Data Inconclusive
Pollutant(s) addressed:	E. coli		<input checked="" type="checkbox"/> Improvement Needed
Implemented through:	NPDES Permit, MS4 Permits, 3 rd Party		<input type="checkbox"/> TMDL Achieved/Waterbody Delisted
Approval date:	April 27, 2012		

TMDL Summary

The Coachella Valley Stormwater Channel (CVSC) is an unlined, engineered extension of the Whitewater River. CVSC serves as a conveyance channel for agricultural irrigation return water, treated wastewater from three municipal wastewater treatment plants, and urban and stormwater runoff. The bacterial indicator E. coli concentrations exceed the water quality objectives established to protect warm water ecosystems, endangered species, and recreational beneficial uses of CVSC.

The CVSC Bacteria TMDL was completed by the Colorado River Basin Regional Board and approved by U.S. EPA on April 27, 2012. The TMDL is implemented through NPDES Permits, MS4 Permits and 3rd party (in addressing Federal and Tribal lands). As part of Phase I actions, further characterization of E. coli from urban and stormwater runoff and nonpoint sources is currently underway. The TMDL calls for controlling, monitoring and characterizing E. coli from waste water treatment plants, Caltrans, the City of Coachella, and Federal and Tribal lands by 2022.

Coachella Valley Stormwater Channel



TMDL Waste Load Allocations/Load Allocations

Discharger	E. Coli Allocations	
	30-Day Geometric Mean ^a	Maximum Instantaneous
Waste Load Allocations		
Wastewater Treatment Plants and Water Reclamation Plant	126 MPN ^b /100 mL	–
Fish farm; Cal-Trans; City of Coachella	126 MPN/100 mL	400 MPN/100mL
Load Allocations		
Agricultural Runoff; Federal Lands; Tribal Lands	126 MPN/100 mL	400 MPN/100mL
Septic Systems	Zero (0) MPN/100 mL	–

^a Based on a minimum of no less than 5 samples equally spaced over a 30-day period.
^b Most probable number.

Water Quality Outcomes

- Water quality data show that TMDL targets for E. coli in CVSC are not being consistently met.
- Primary sources of E. coli are still unknown.
- Agricultural discharges are de minimis source of bacteria.
- As part of Phase I actions, Regional Board staff will develop a plan to conduct TMDL surveillance and track TMDL activities. The objectives of the plan are to assess monitoring data, measure milestone attainment, and determine compliance with the TMDL.

Coachella Valley Stormwater Channel Water Quality

