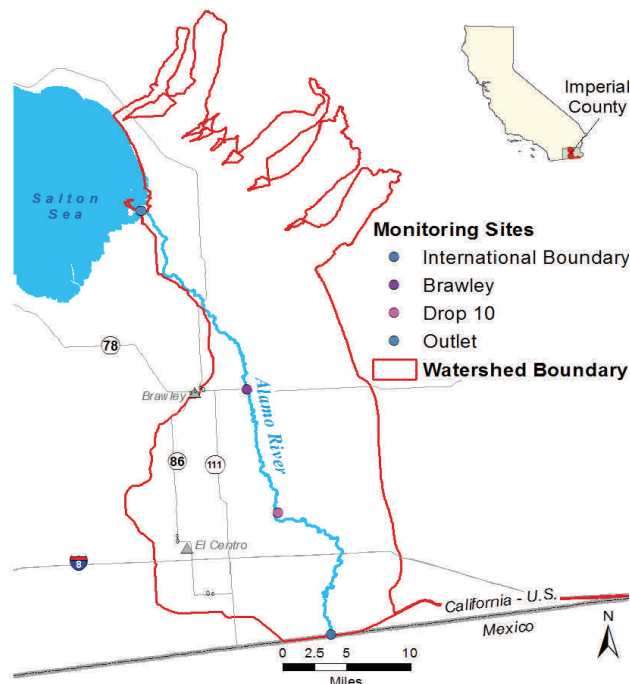


Water Quality Report Card		Endosulfan in the Alamo River	
Regional Water Board:	Colorado River Basin, Region 7	STATUS	<input type="checkbox"/> Conditions Improving
Beneficial Uses Affected:	WARM, WILD, RARE, REC-1, REC-2		<input type="checkbox"/> Data Inconclusive
Implemented Through:	303(d) delisting		<input type="checkbox"/> Improvement Needed
Effective Date:	N/A		<input checked="" type="checkbox"/> Targets Achieved/Water Body Delisted
Attainment Date:	2015	Pollutant Type:	<input type="checkbox"/> Point Source <input checked="" type="checkbox"/> Nonpoint Source <input type="checkbox"/> Legacy

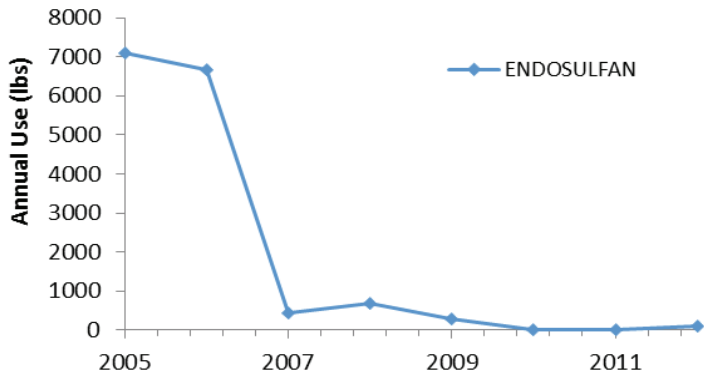
Water Quality Improvement Strategy

The Alamo River originates in Mexico, approximately a half-mile South of the International Boundary, and flows northward into the United States to its terminus at the Salton Sea in Imperial County, California. Dominated by discharges from agricultural in the Imperial Valley, these discharges carry the pesticide endosulfan into the Alamo River Watershed through sediment. Although the last recorded endosulfan exceedance in the Alamo River occurred in November 1988, the River was listed as impaired by endosulfan on the 2010 Clean Water Act Section 303(d) List. Endosulfan can cause health risks to farmworkers and wildlife, and continues to persist in the watershed through sediment. The USEPA began phasing out endosulfan in 2010, and the registrants of endosulfan are canceling all existing endosulfan uses. A TMDL to address endosulfan in the Alamo River was never created due to a decreasing trend in endosulfan concentrations within the watershed and the likelihood water quality objectives would be met within a few years. Currently, the Alamo River meets endosulfan water quality standards established to protect the River's beneficial uses.

Alamo River Watershed



Annual Endosulfan Use in Imperial County

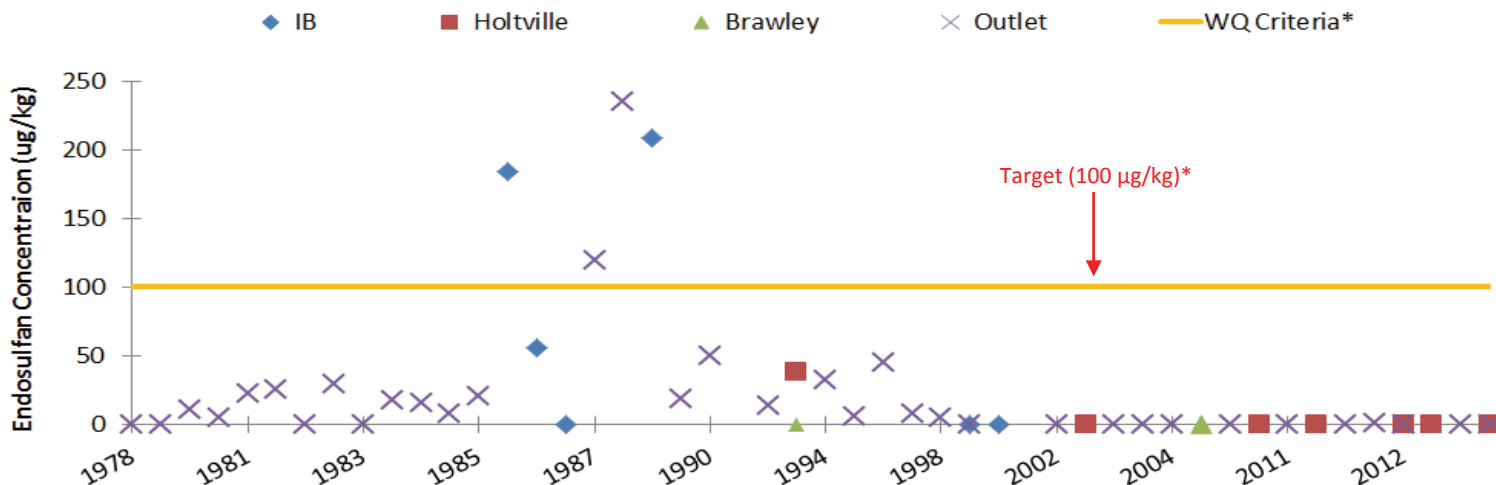


Source: [Department of Pesticide Regulation data for Imperial County.](#)

Water Quality Outcomes

- Annual use of endosulfan in Imperial County has significantly decreased in the past 8 years.
- The Alamo River meets endosulfan water quality standards established to protect the River's beneficial uses.
- Due to the water quality (WQ) improvement, the Regional Water Board adopted a delisting of the Alamo River from the 303(d) list in March 2014. The delisting was approved by the State Water Board in April 2015 and by the USEPA in June 2015.
- WQ improvement is likely due to the ongoing phase-out of endosulfan by the USEPA, and the implementation of sediment TMDLs in the Region.

Alamo River Endosulfan Concentrations in Fish Tissue



*Horizontal yellow line represents the [tissue guideline](#) of 100 ug/kg. All non-detect values were given a numerical value of zero.

December 2015