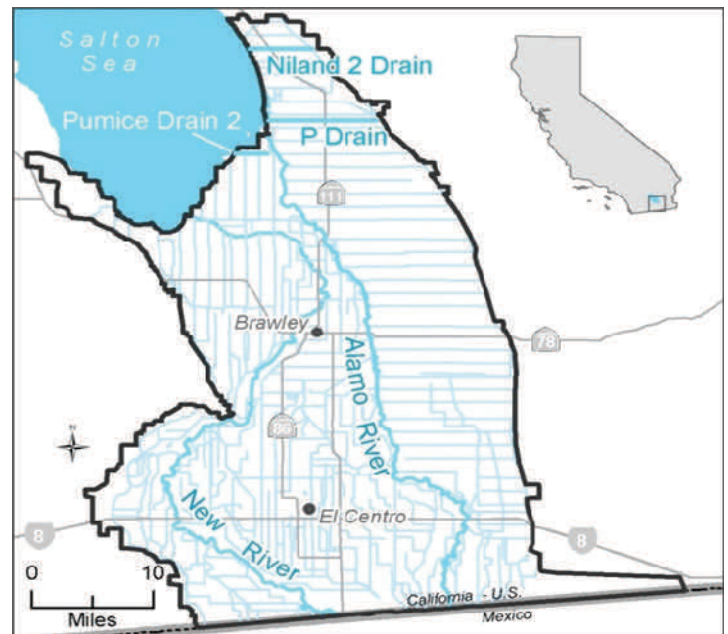


Water Quality Report Card		Endosulfan in the Imperial Valley Drains	
<b>Regional Water Board:</b>	Colorado River Basin, Region 7	<b>STATUS</b>	<input type="checkbox"/> Conditions Improving
<b>Beneficial Uses Affected:</b>	WARM, WILD, RARE, REC-1, REC-2, COMM		<input type="checkbox"/> Data Inconclusive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

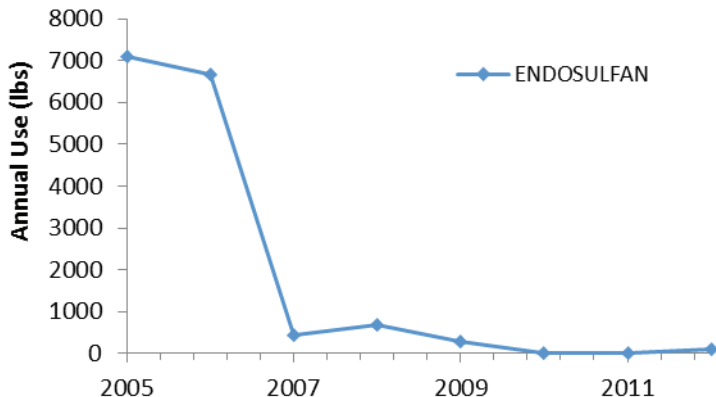
### Water Quality Improvement Strategy

Located in Imperial County, the Imperial Valley Drains are sustained largely by agricultural return flows discharged from local farmlands. Discharges from these farmlands were found to contain the pesticide endosulfan, which is carried into the Imperial Valley Drains Watershed through sediment. Though the last recorded endosulfan exceedance occurred in November 1996, these drains were added to the 2006 Clean Water Act Section 303(d) List. The USEPA began phasing out endosulfan in 2010, and the registrants of endosulfan are canceling all existing endosulfan uses. Although no TMDL was created for endosulfan in the Imperial Valley Drains, water quality improvements are believed to be due to the ongoing phase-out of endosulfan by the USEPA, and the implementation of other sediment TMDLs in the region. Currently, these drains meet the endosulfan water quality standards contained in the Regional Water Boards Basin Plan. These standards are designed to protect the beneficial uses of the Imperial Valley Drains.

### Imperial Valley Drains Watershed



### Annual Endosulfan Use in Imperial County

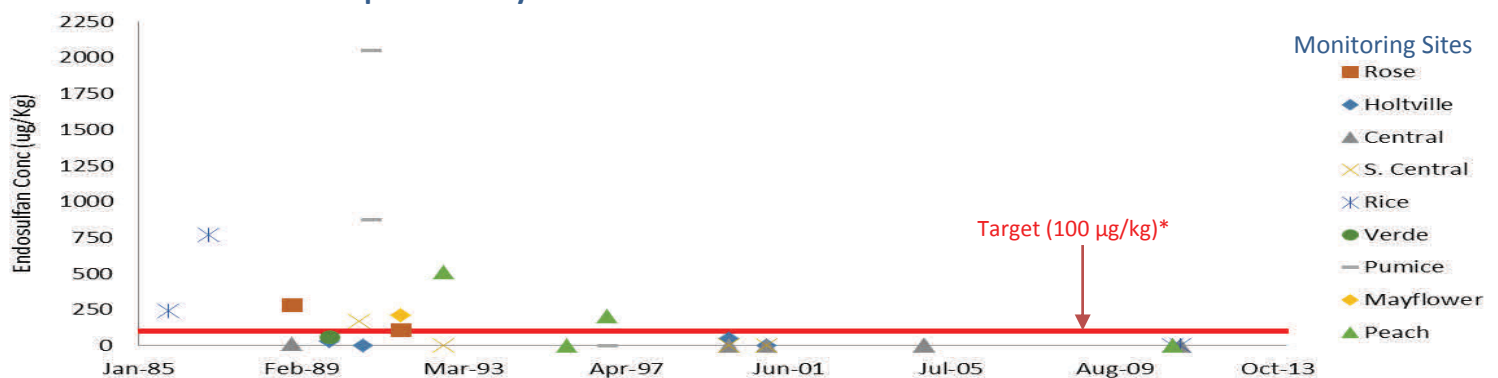


[Department of Pesticide Regulation data for Imperial County.](#)

### Water Quality Outcomes

- The Imperial Valley Drains meet the endosulfan water quality standards.
- The annual use of endosulfan in Imperial County has reduced significantly over the past eight years.
- To address the watershed's water quality improvement, the Regional Water Board adopted a delisting of the original 303(d) listing in March 2014. This adoption was approved by the State Water Board in April 2015 and by the USEPA in June 2015.

### Imperial Valley Drains Endosulfan Concentrations in Fish Tissue



\*Horizontal red line represents the National Academy of Science (NAS) endosulfan [tissue guideline](#) of 100 ug/kg for the protection of aquatic life uses.