

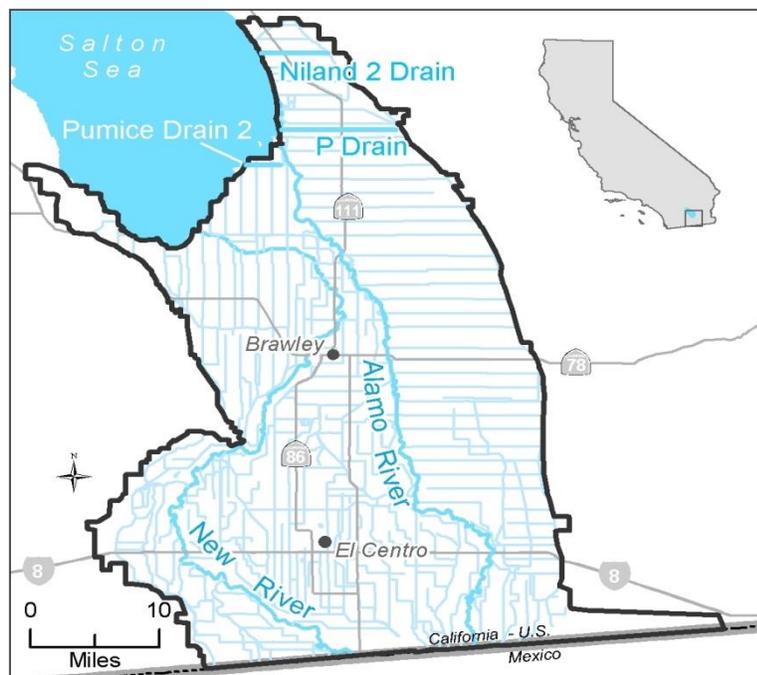
Total Maximum Daily Load Progress Report	
Regional Water Board	Colorado River Basin, Region 7
<b>Beneficial uses affected:</b>	WARM, WILD, RARE, REC-1, REC-2
<b>Pollutant(s) addressed:</b>	Silt (TSS and Turbidity)
<b>Implemented through:</b>	USICFB, IID, Prohibition
<b>Approval date:</b>	September 27, 2005

Imperial Valley Drains Sediment TMDL	
<b>STATUS</b>	<input type="checkbox"/> Conditions Improving
	<input type="checkbox"/> Data Inconclusive
	<input checked="" type="checkbox"/> <b>Improvement Needed</b>
	<input type="checkbox"/> TMDL Achieved/Waterbody Delisted

### TMDL Summary

Imperial Valley (IV) drains are sustained and dominated by agricultural return flows discharged from Imperial Valley farmland. IV drains in this document discharge directly into the Salton Sea. The sediment concentrations exceed the water quality objectives established to protect warm water ecosystems, endangered species, and recreational beneficial uses of the IV drains. A [TMDL for sediment in the IV drains](#) and an Imperial Valley agricultural sediment conditional prohibition were adopted by the Colorado River Regional Basin Water Board (Regional Water Board) and approved by U.S. EPA in September 2005. The TMDL includes allocations that apply to Niland 2, P, and Pumice drains and their tributary drains, and includes an Implementation Plan for all IV drains. TMDL implementation relies on controlling sediment or total suspended solids (TSS) from agricultural runoff by the agricultural community in Imperial Valley. The TMDL targets are being implemented in 4 phases over 11 years with final targets to be achieved by 2015.

### Imperial Valley Watershed



### TMDL Reductions and Targets

Phase	Time Period	Reduction from Existing Conditions <sup>a</sup>	Target (TSS mg/L)
Phase 1	2005-2006	10%	376
Phase 2	2007-2009	25%	282
Phase 3	2010-2012	20%	226
Phase 4	2013-2015	12%	200

<sup>a</sup> Percent reductions indicate the reduction required in TSS at the end of each phase, starting with the (2002) average concentration of 418 mg/L.

### Water Quality Outcomes

- Overall conditions of the Imperial Valley Drains have not improved over a period of 6 years.
- Water quality data results are uncertain. P drain sediment concentrations are increasing over time. Pumice and Niland 2 drains sediment concentrations are meeting the Target.
- Sediment loading from agricultural runoff is variable.
- The TMDL Implementation Program needs to be revised.

### Imperial Valley Drains Water Quality

#### Total Suspended Solids (TSS) for the Imperial Valley Drains

