

# Improving Water Quality in the Tijuana River Valley

## Project #10: Sediment and Trash Source Control

### Overview

This project includes measures to reduce the amount of pollutants that enter and contaminate flows in Mexico before entering the U.S. This project will consider best management practices (BMPs) that reduce trash and sediment, such as road paving, tire recycling, green infrastructure, public outreach, and land stabilization. This project will:

- Use Mexico-side source control BMPs as a more cost-effective than U.S.-side capture and disposal infrastructure.
- Have the potential to protect key infrastructure in the U.S. and Mexico, which would reduce maintenance costs and improve performance.

### Project at a Glance

<b>Location of Operations</b>	Mexico
<b>Entry Points Addressed</b>	Tijuana River, Cross-Border Canyons
<b>Targeted Pollutant(s)</b>	Trash, Sediment

### Will this project increase public health and beach water quality?

This project will improve water quality and environmental conditions on both sides of the border. EPA is assessing how effective the project will be in protecting public health.

### Does this project improve work conditions for government activities?

This project may reduce impacts to the U.S. Navy Base in San Diego, California and U.S. Border Patrol operations by reducing the amount of trash coming across the border.

COST ESTIMATES <sup>1</sup>	
Capital	—
Annual O&M <sup>2</sup>	—
40-year lifecycle	—

TRANSBOUNDARY TIJUANA RIVER IMPACT <sup>3</sup> (Annual Benefit)	
Flow day reduction	—
Flow rate reduction	—
Sewage reduction <sup>4</sup>	—

SAB CREEK IMPACT <sup>3</sup> Annual Impact	
Flow rate reduction	—
Sewage reduction	—

BEACH CLOSURE IMPACTS <sup>3</sup> (Annual Benefit)	
Closure reduction <sup>5</sup>	—

LEGEND
<sup>1</sup> Costs too variable to estimate
<sup>2</sup> O&M: Operations and maintenance
<sup>3</sup> Impacts are unquantifiable
<sup>4</sup> Estimates of sewage reduction are based on the reduction of BOD (biochemical oxygen demand), a standard surrogate for sewage
<sup>5</sup> Beach closure reduction estimates are based on Scripps Institution of Oceanography models