

# Improving Water Quality in the Tijuana River Valley

## Project #5: Enhance Mexico Wastewater Collection System to Reduce Flows into Tijuana River

### Overview

This project enhances the condition of the conveyance system in central Tijuana. This is done by repairing and replacing pumps and pipelines and expanding the service areas. This project will:

- Increase collection of untreated wastewater from central Tijuana and conveyance to wastewater treatment systems in both the U.S. and Mexico.
- Reduce amount of untreated wastewater flowing into the Tijuana River and canyons.

### 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>	Untreated Wastewater

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

This project will reduce untreated wastewater reaching the beach from the Tijuana River. EPA is assessing how effective the project will be in reducing beach closures.

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

This project will likely result in less sewage crossing into the U.S. via the Tijuana River and canyons that currently poses a threat to U.S. Customs and Border Protection personnel who are sometimes exposed to untreated sewage while performing their job duties. Expected improvements to U.S. Navy personnel training conditions are unquantifiable.

COST ESTIMATES	
Capital	\$ 85M - 800M
Annual O&M <sup>1</sup>	—
40-year lifecycle	—

TRANSBOUNDARY TIJUANA RIVER IMPACT <sup>2</sup> (Annual Benefit)	
Flow day reduction	—
Flow rate reduction	—
Sewage reduction <sup>3</sup>	—

SAB CREEK IMPACT <sup>2</sup> (Annual Benefit)	
Flow rate reduction	—
Sewage reduction	—

BEACH CLOSURE IMPACTS <sup>2</sup> (Annual Benefit)	
Closure reduction <sup>4</sup>	—

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

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