



OVERVIEW OF SAN DIEGO FIELD OFFICE RESPONSIBILITIES

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SAN DIEGO OFFICE ACTIVITIES

- Boundary demarcation
 - Demarcation at ports of entry
 - Repair or replacement of monuments
 - Address boundary encroachments
- IBWC is the official agency that determines location of the boundary



Boundary Monument

SAN DIEGO REGION MONUMENTS

MONUMENT #255

SAN YSIDRO TRAIN CROSSING



MONUMENT #258

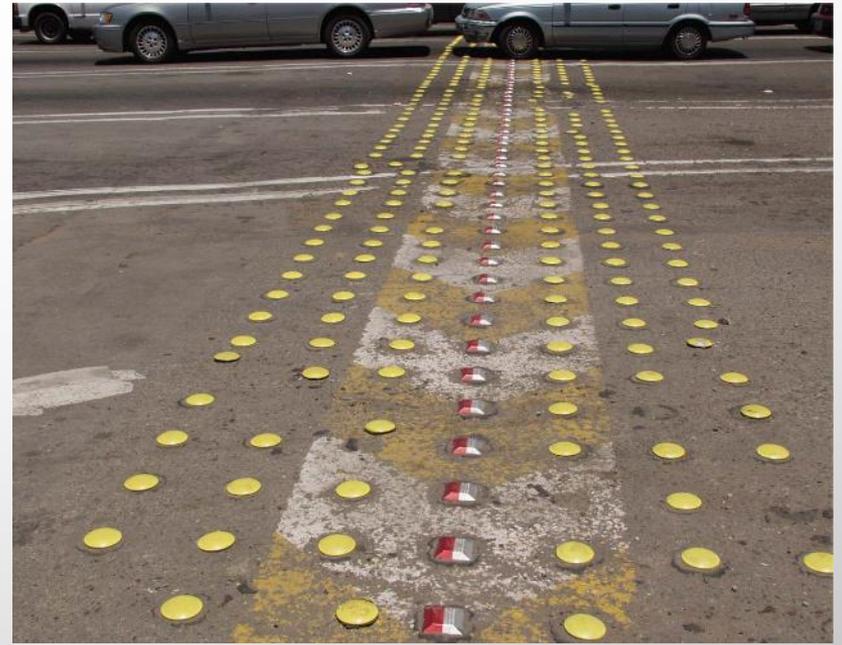
BORDER FIELD PARK



SAN DIEGO OFFICE ACTIVITIES



**Boundary Demarcation
San Ysidro, CA**



**Port-of-Entry Markings
Otay Mesa, CA**

TIJUANA RIVER WATERSHED

- 1,725 square miles, 2/3 are in Mexico
- River flows north into ocean at Imperial Beach
- Morena and Barrett dams in the U.S. operated by City of San Diego for water conservation
- Carrizo and Rodriguez Dams in Mexico operated by National Water Commission (Conagua) for water conservation and flood control



TIJUANA RIVER WATERSHED



Barrett Dam
San Diego, California



Rodriguez Dam
Tijuana, Mexico

TIJUANA RIVER FLOOD CONTROL PROJECT

- International flood control project; constructed in 1970s per Minutes 225, 236, and 258
- Design flood of 135,000 cfs, “the maximum flood that can reasonably be expected”
- Mexico has approximately 11 miles of concrete-lined channel
- Original plan for 5.3-mile concrete-lined channel in U.S. scaled back at request of City of San Diego
- U.S. Constructed a 1200-ft. concrete-lined channel connected to 3700-ft. long velocity reduction structure; levees extend to Dairy Mart Road
- U.S. Levee height of 12-23 feet
- USIBWC responsible for maintenance of U.S. portion

TIJUANA RIVER FLOOD CONTROL PROJECT



Channel at International Boundary



**During Dec. 2008 storm,
flooding occurred downstream
from IBWC project.**

SANITATION - MINUTE NO. 283 (1990)

- To address flow of sewage into the U.S. via the Tijuana River
- Mexico to help fund a “wastewater treatment plant” in San Diego in lieu of a planned plant in Tijuana
- Secondary treatment level in accordance with more stringent U.S. standards
- Construction of an ocean outfall by the U.S.

SANITATION

- 1994 – USIBWC completed environmental impact statement, selected secondary treatment via activated sludge.
- Sierra Club lawsuit challenged selection of activated sludge.
- 1996 – decision to proceed with construction of advanced primary plant as an interim solution until legal issues resolved for secondary treatment.



SANITATION

- 1994-2008 – litigation, funding constraints, and congressional action led USIBWC to consider secondary treatment ponds in U.S. and construction of the secondary component in Tijuana via a private-public partnership (BajAgua project)
- 1997 -- advanced primary plant begins operation with discharge through City of San Diego Point Loma facilities
- January 1999 – Plant discharge through South Bay Ocean Outfall begins
- April 2008 – GAO report finds secondary treatment in U.S. to be more cost-effective and with a more certain timeline than constructing secondary in Tijuana
- November 2008 – USIBWC awards contract for construction of activated sludge secondary treatment facilities in U.S.

SOUTH BAY INTERNATIONAL WASTEWATER TREATMENT PLANT

- Located at 2995 Clearwater Way San Diego, CA. 92154
- Provides secondary treatment to 25 MGD of sewage emanating from Tijuana that meets or exceeds Clean Water Act standards
- Mexico paid a portion of capital costs, and continues to contribute to the O&M costs
- Plant capacity is currently limited to 25 MGD
- Treated effluent is discharged 3.5 miles offshore via the South Bay Land and Ocean Outfall



SOUTH BAY INTERNATIONAL WASTEWATER TREATMENT PLANT



OTHER SANITATION INFRASTRUCTURE

- Water quality monitoring program for influent, effluent, ocean
- Ongoing effort to address solid waste
- Canyon collectors divert renegade wastewater flows for treatment at our SBIWTP
 - Goat Canyon / Laureles
 - Smugglers Gulch / Matadero
 - Canyon Del Sol
 - Silva Drain
 - Stewart Drain

**Smugglers Gulch
diversion structure
construction**



MINUTE 314 (2008)

- Provides for emergency delivery of a portion of Mexico's allotment of Colorado River water through California conveyance system
- Various U.S. entities cooperated:
 - SDCWA
 - MWD
 - Otay Water District
- Mexico pays all costs



Connection at Otay Mesa



INTERNATIONAL BOUNDARY AND WATER COMMISSION
UNITED STATES AND MEXICO
UNITED STATES SECTION



http://www.ibwc.gov/Citizens_Forums/CF_SBIWTP.html

www.ibwc.gov

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