

Transportation & Storm Water Department

# **Tijuana River Valley Recovery Team:**

## **Five-Year Action Plan Update**

June 21, 2017

## City of San Diego: Vision for the Valley



- Committed Recovery Strategy vision
- Federal interest in bi-national sediment/storm flows
- Currently implementing planning studies
- Basis for potential future federal projects
- Coordinating with IBWC

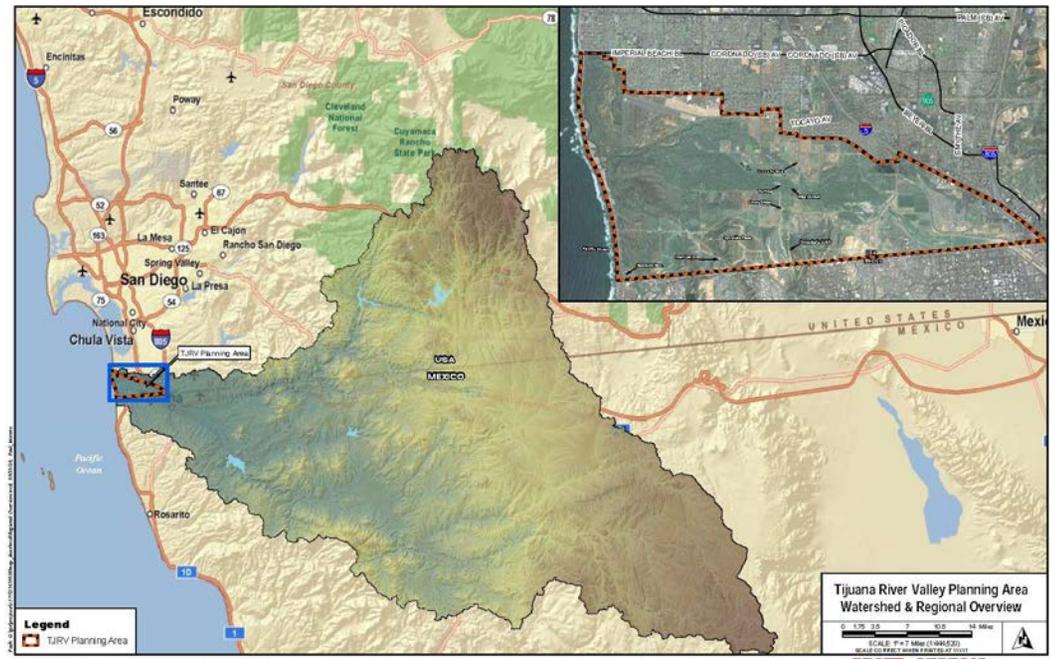
## Tier 1 Project 3: New Start Feasibility Study

**Project Lead: City of San Diego**

**Project Alternate: IBWC**

**Status: Ongoing**

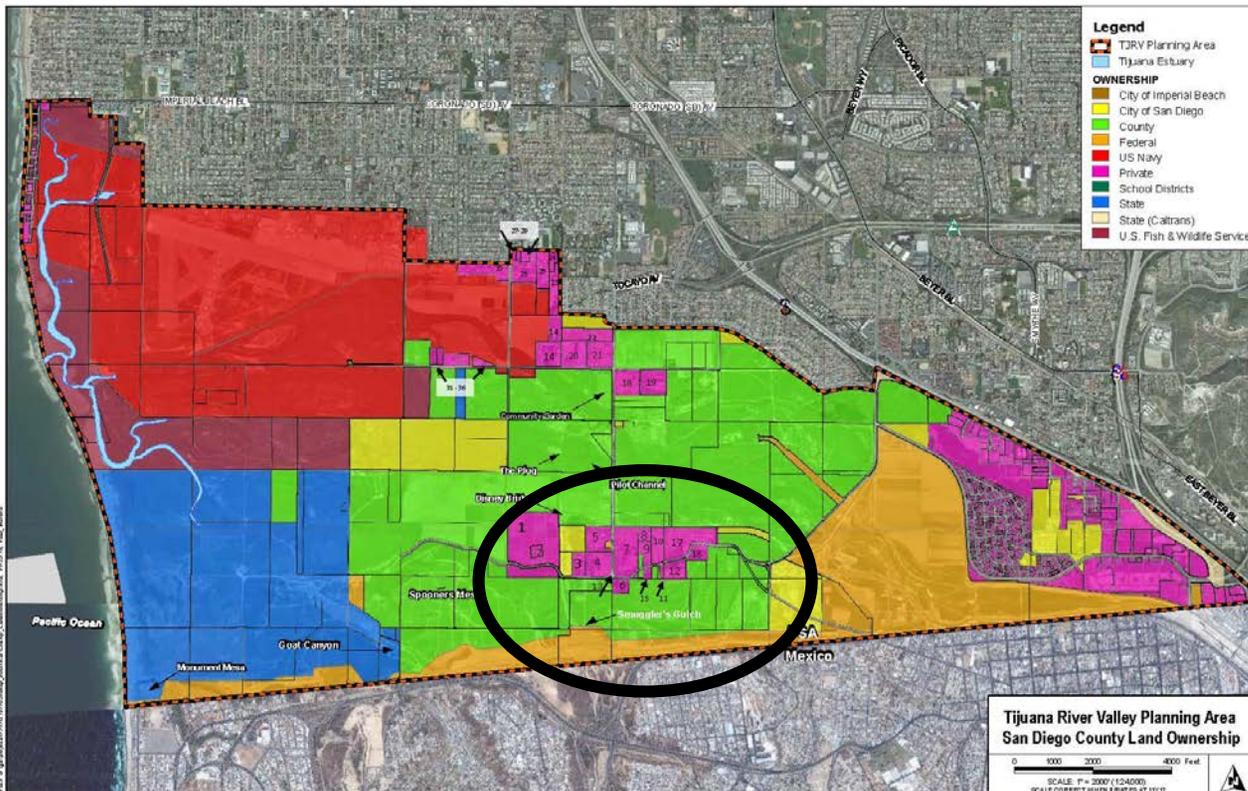
- **USACE: PAS (H&H)**
  - Phase I: Oct 2015 – August 2017
  - Phase II: begin Sept 2017
  - Sediment Management Study– Request funding Oct 2018
- **Request USACE New Start Feasibility Study**
  - Congressional Resolution
  - City target: FY 2022
- **Basis for IBWC Joint Engineers Report**



## Tier 1 Project 4: Private Property Acquisition:

**Project Lead: County**

**Status: Ongoing**



### City Efforts:

- Evaluated & prioritized properties
- Completed due diligence:
  - Appraisals
  - Phase 1 ESA
  - Mitigation Analysis

Photo: © iStockphoto.com/Robert J. Gannon/Alamy

## Tier 1 Project 5: Targeted Sediment & Trash Removal:

**Project lead: City of San Diego**

**Project alternate: WILDCOAST**

**Status: Ongoing**



- WILDCOAST Sponsorship
- Channel maintenance

## Additional Efforts: Tijuana River Valley WQIP

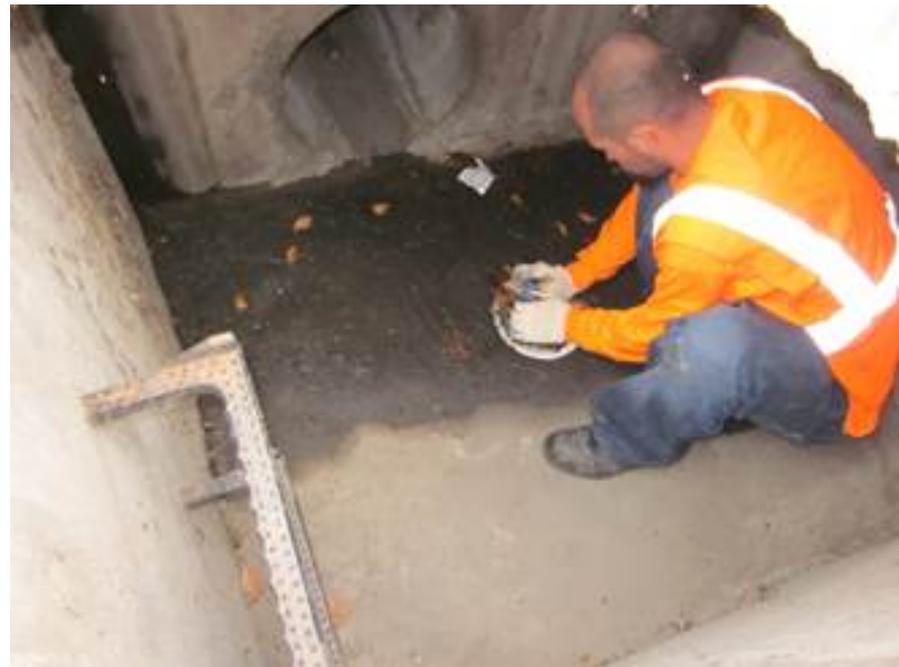
**Project leads: City of San Diego, County of San Diego, City of Imperial Beach**

**Status: Ongoing**

- Protect, preserve, enhance and restore water quality
- Focus: Sediment

### City of San Diego Efforts:

- Targeted Aggressive Street Sweeping Pilot
- Enhanced Catch Basin Cleaning Optimization



Catch basin cleaning in San Ysidro: Pilot Study to determine accumulation rates and pollutants

# USACE and City of San Diego Planning Assistance to States (PAS) Study on the Tijuana River



US Army Corps  
of Engineers.  
Los Angeles District

PLANNING ASSISTANCE FOR STATES

HYDROLOGY, FLOODPLAIN AND SEDIMENT TRANSPORT  
DRAFT REPORT

**TIJUANA RIVER**

U.S.-MEXICO INTERNATIONAL BORDER TO THE PACIFIC OCEAN  
SAN DIEGO, CALIFORNIA



APRIL 2017

## ❖ *Phase I - October 2015 – August 2017*

- Baseline conditions mapping (GIS and LiDAR)
- Hydrologic Flood Frequency Analysis
- Floodplain and Sediment Transport modeling
- \$200k effort cost shared between the City and USACE
- Draft Report is currently in the process of being finalized with the City

\*\*PAS studies do not result in construction, assist with permitting or environmental compliance (CEQA or NEPA), nor can they recommend building project(s).



## ***Future and Potential Studies***

### **❖ *Phase II - September 2017 (tentative start date):***

- Expands Phase I effort
- Includes additional information from Mexico, IBWC, other agencies, as well as sediment sampling
- Models existing and future conditions hydrology and hydraulics based on current and proposed build-out land uses as well as other physical watershed characteristics and historical precipitation and runoff records.
- Adds Goat and Smuggler Canyon to the existing floodplain and sediment transport models.

### **❖ *Phase III- October 2018 (tentative date to request funds):***

- Sediment Management Study for Tijuana River Valley
- U.S. side of border and will involve IBWC & partner agencies
- Will study sediment issues within 1,750 square mile coastal watershed

### **❖ *New Start Feasibility Study- (contingent on availability of federal funds)***

- City of San Diego request for study of Flood Risk Management, Ecosystem Restoration & other purposes

