



# **TIJUANA RIVER BASIN PROJECT AND PROGRAM STATUS**

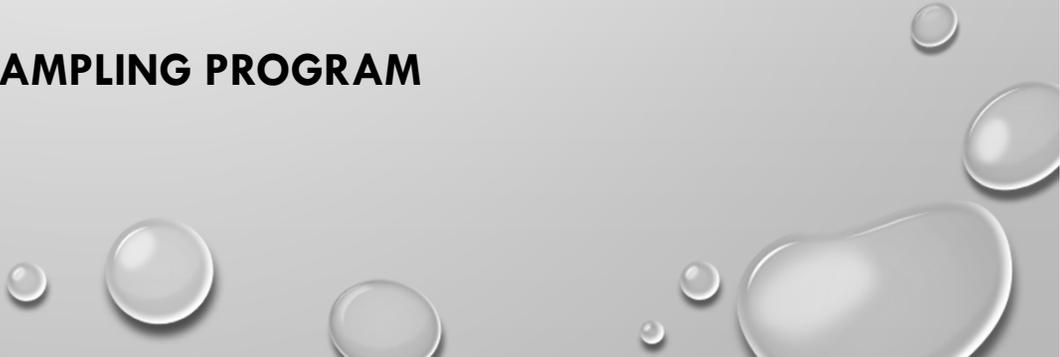
**US Section, International Boundary and  
Water Commission**

**San Diego Field Office**

**September 2019**



## **US SECTION PROJECTS AND INITIATIVES STATUS**

- **SOUTH BAY INT'L WWTP**
  - **TRANSBOUNDARY FLOWS**
  - **PUMP STATION CILA**
  - **CANYON COLLECTORS**
  - **TJ RIVER LEVEE**
  - **TJ RIVER SEDIMENT BASIN FEASIBILITY STUDY**
  - **BINATIONAL WATER QUALITY SAMPLING PROGRAM**
- 



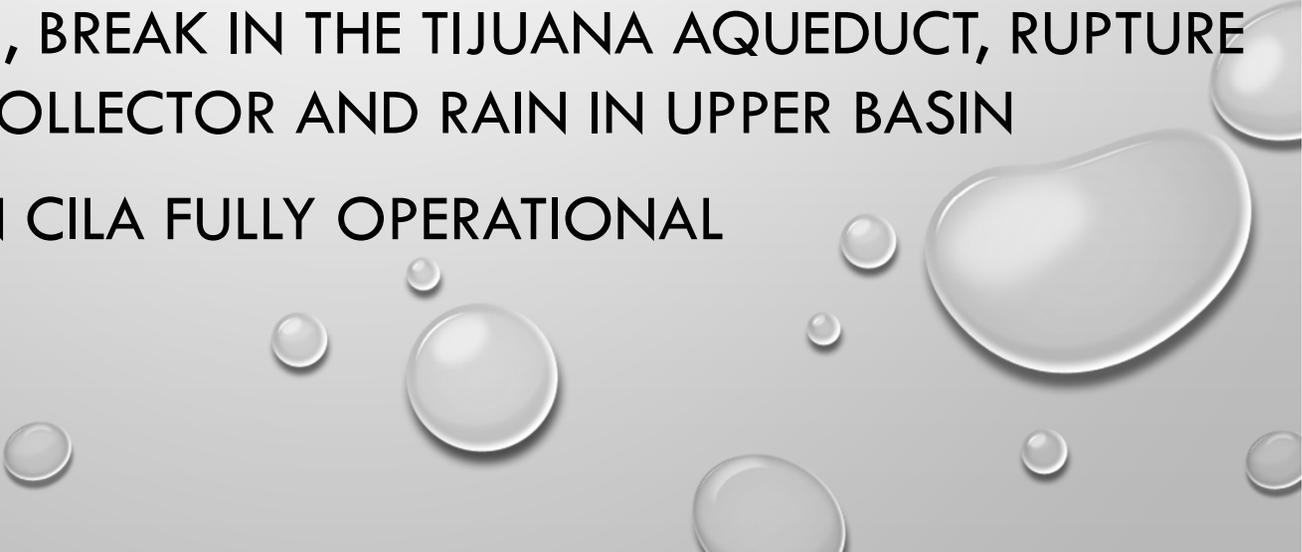
# **SOUTH BAY INT'L WWTP**

- **FOR THE MONTHS OF JUNE, JULY AND AUGUST 2019 TREATED APPROXIMATELY 2.45 BILLION GALLONS OF WASTEWATER**
  - **NO EXCEEDANCES OF DISCHARGE PERMIT REPORTED**
- 



# TRANSBOUNDARY FLOWS

(SINCE JUNE )

- NO CANYON COLLECTOR ISSUES (DRY WEATHER FLOW IS INTERCEPTED AND TREATED AT SBIWTP)
  - 10 EVENTS IN TIJUANA RIVER
  - **CAUSE:** BASE FLOWS ABOVE CAPACITY, ELECTRICAL MALFUNCTION, BREAK IN THE TIJUANA AQUEDUCT, RUPTURE OF SEWAGE COLLECTOR AND RAIN IN UPPER BASIN
  - PUMP STATION CILA FULLY OPERATIONAL
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# Tijuana Pump Station CILA

- ◆ Pump Station CILA diverts Tijuana River flows into Mexico's sewer system or reclaimed water system
- ◆ TJ River flows are combination of secondary effluent, storm runoff, and wastewater discharges
- ◆ Eliminates dry weather flow into the US, wet weather flows continue to affect US beaches



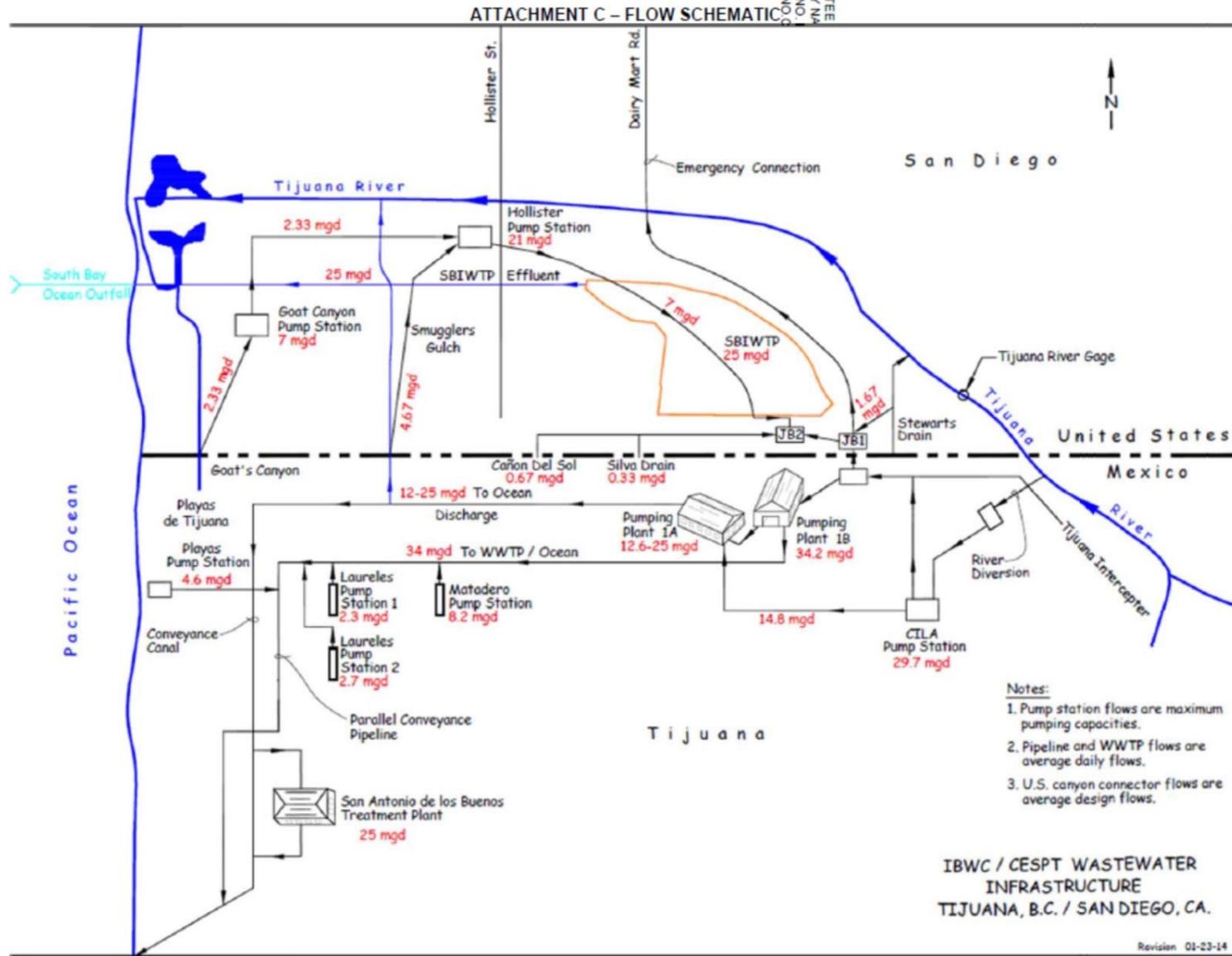
# PUMP STATION CILA DIVERSION STRUCTURE



Sandbag berm

PS CILA  
Intake Screen

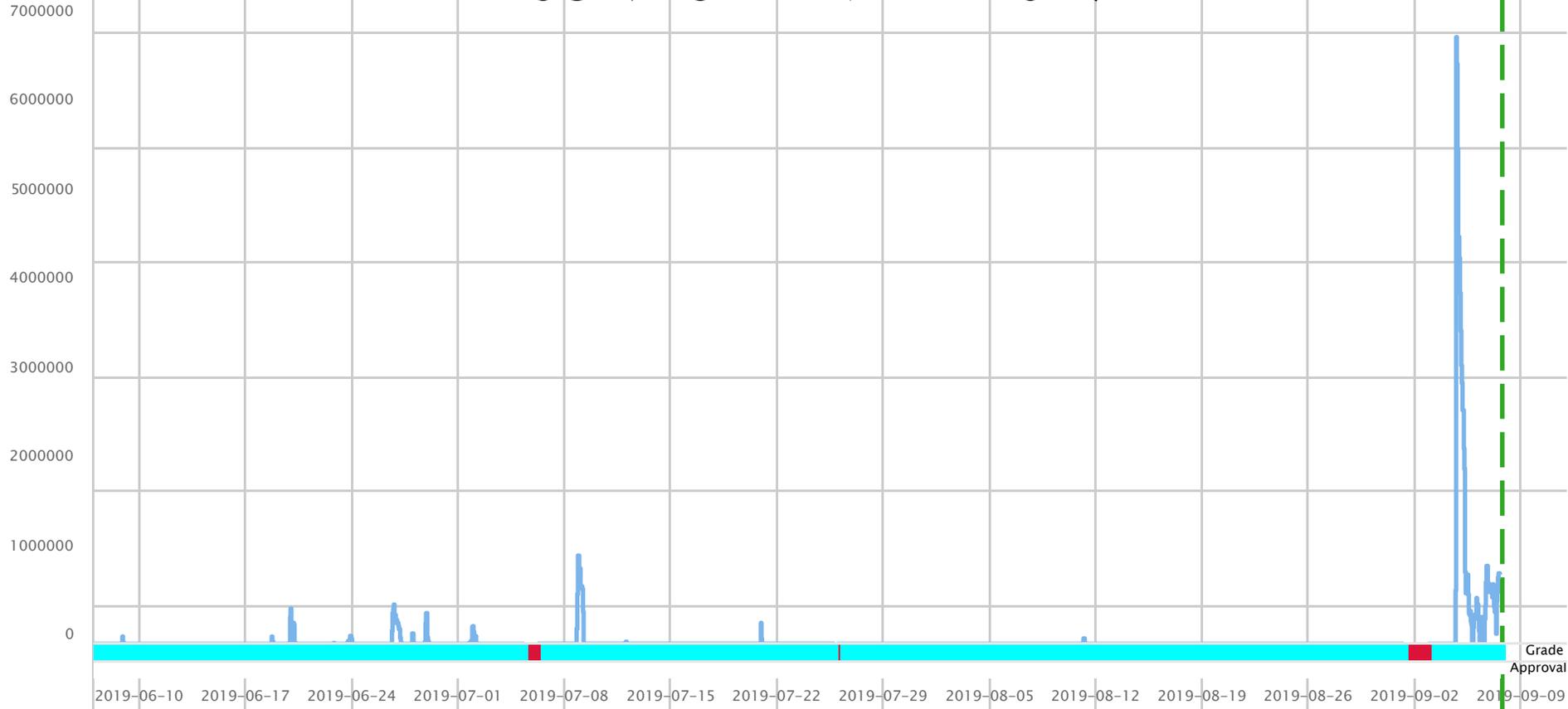
PERMITTEE  
 FACILITY NAME  
 ORDER NO.  
 NPDES NO.



# Schematic of Wastewater Infrastructure

# FLOW IN TJ RIVER

## JUNE-SEPTEMBER 2019



— Discharge Total.US Gal Hourly@11013300, Tijuana River At International Boundary, Discharge cumulative volume increment

# 2019 WORK PLAN

- NO TRANSBOUNDARY FLOWS BETWEEN OCTOBER AND DECEMBER
- BERM IN TJ RIVER CHANNEL IN MEXICO
- INSTALL TEMPORARY BERM AT INTERNATIONAL BORDER WITH POTENTIAL BUILT IN PUMP BACK SYSTEM



# STATUS OF IBWC INFRASTRUCTURE

- STEWART'S DRAIN
  - SILVA DRAIN
  - CANYON DEL SOL
  - SMUGGLERS DRAIN
  - GOAT CANYON
- 



**Goat Canyon CC**

**Smuggler's CC**

**Canyon Del Sol CC**

**Silva Drain CC**

**Stewart's Drain  
CC**

# Canyon Collectors

# STEWARTS DRAIN

TYPICAL DRY  
WEATHER  
CONDITION



September 12, 2019

# SILVA DRAIN



**SEPTEMBER , 2019**

# CANYON DEL SOL CANYON COLLECTOR



**SEPTEMBER 12, 2019**

# SMUGGLERS GULCH CANYON COLLECTOR



**SEPTEMBER 12, 2019**

# GOAT CANYON CANYON COLLECTOR



SEPTEMBER 12, 2019

# OTHER INITIATIVES

- **TIJUANA RIVER LEVEE**
- **SEDIMENTATION BASIN FEASIBILITY STUDY**
- **BINATIONAL WATER QUALITY SAMPLING PLAN**

## TJ River North Levee

- \* About 4,000' of levee raise
- \* Road (DMR) to along Camino De La Plaza (CDLP)
- \* Ranging from 0-8' of



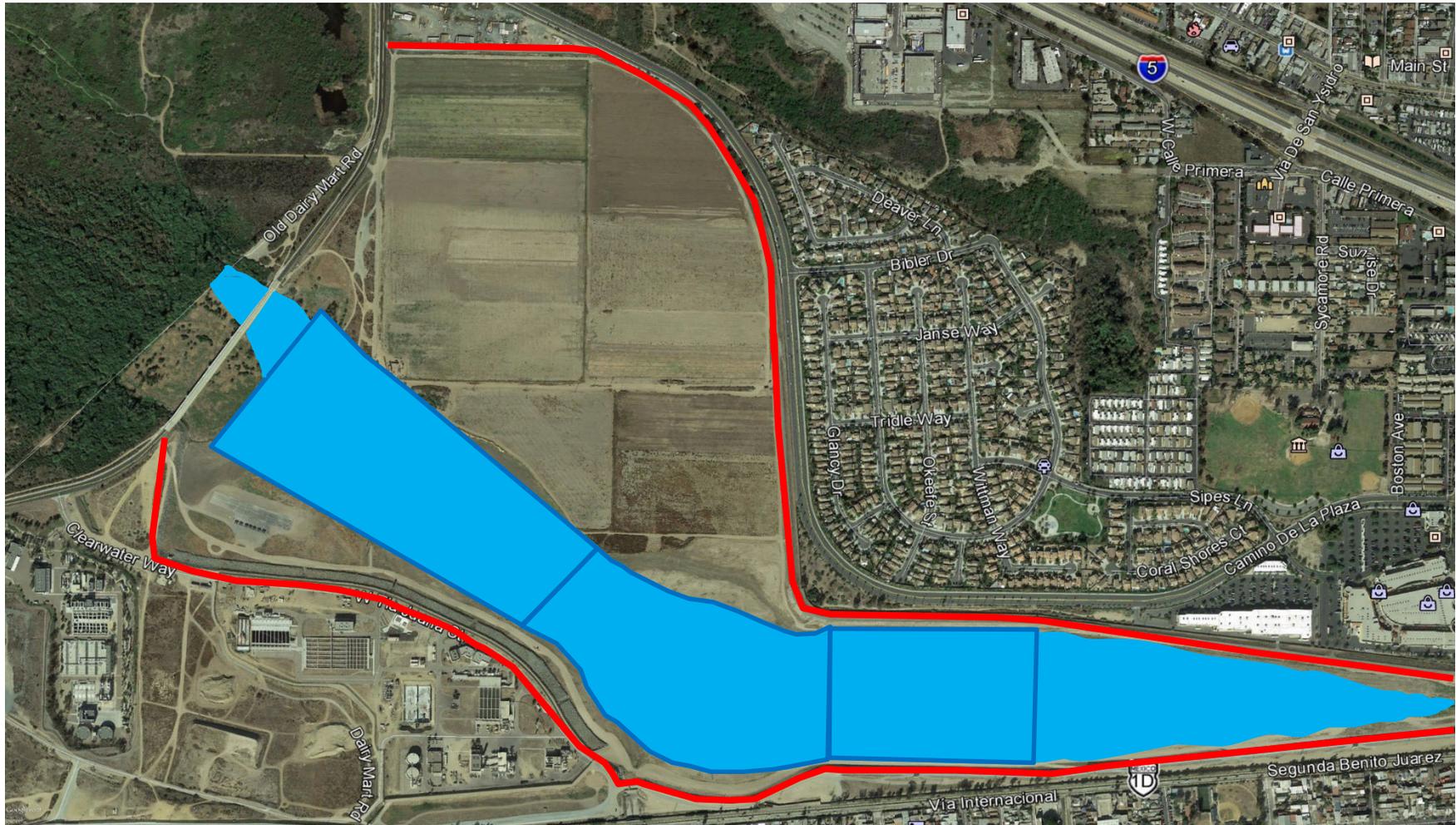
# USIBWC

Feasibility Study for  
Sediment Basins – Tijuana  
River

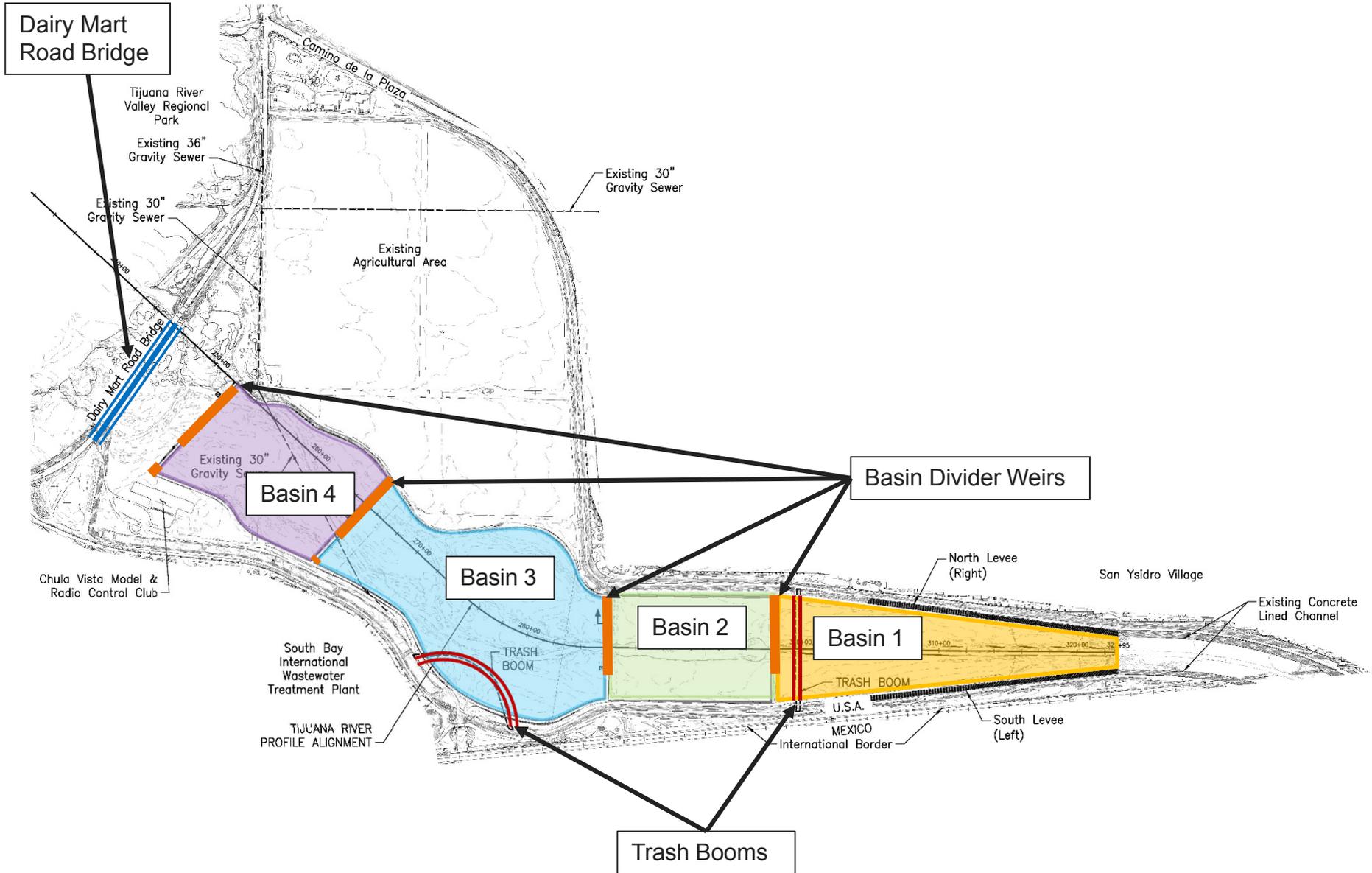
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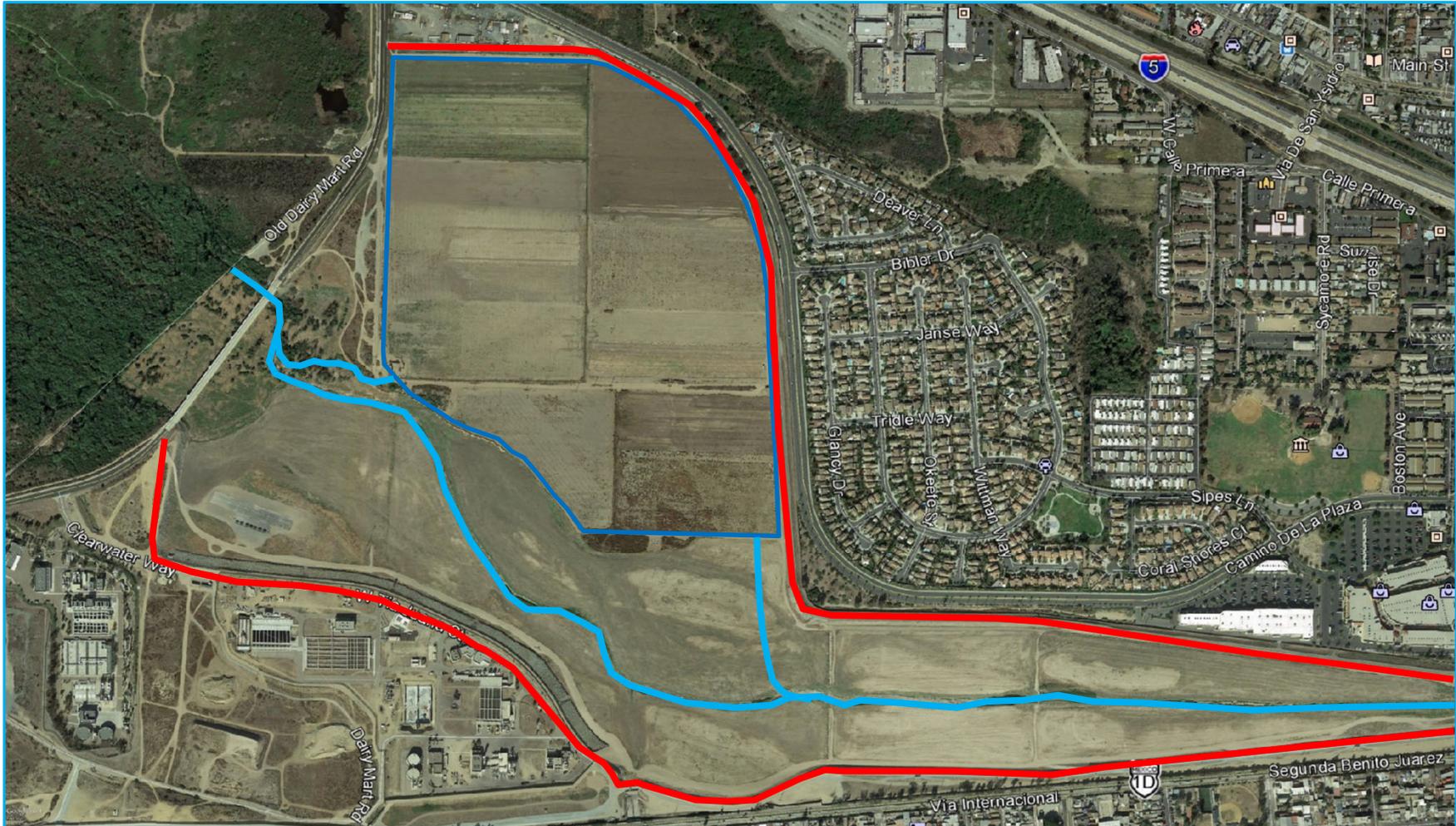
# Alternative A – In-Channel Sediment Basins



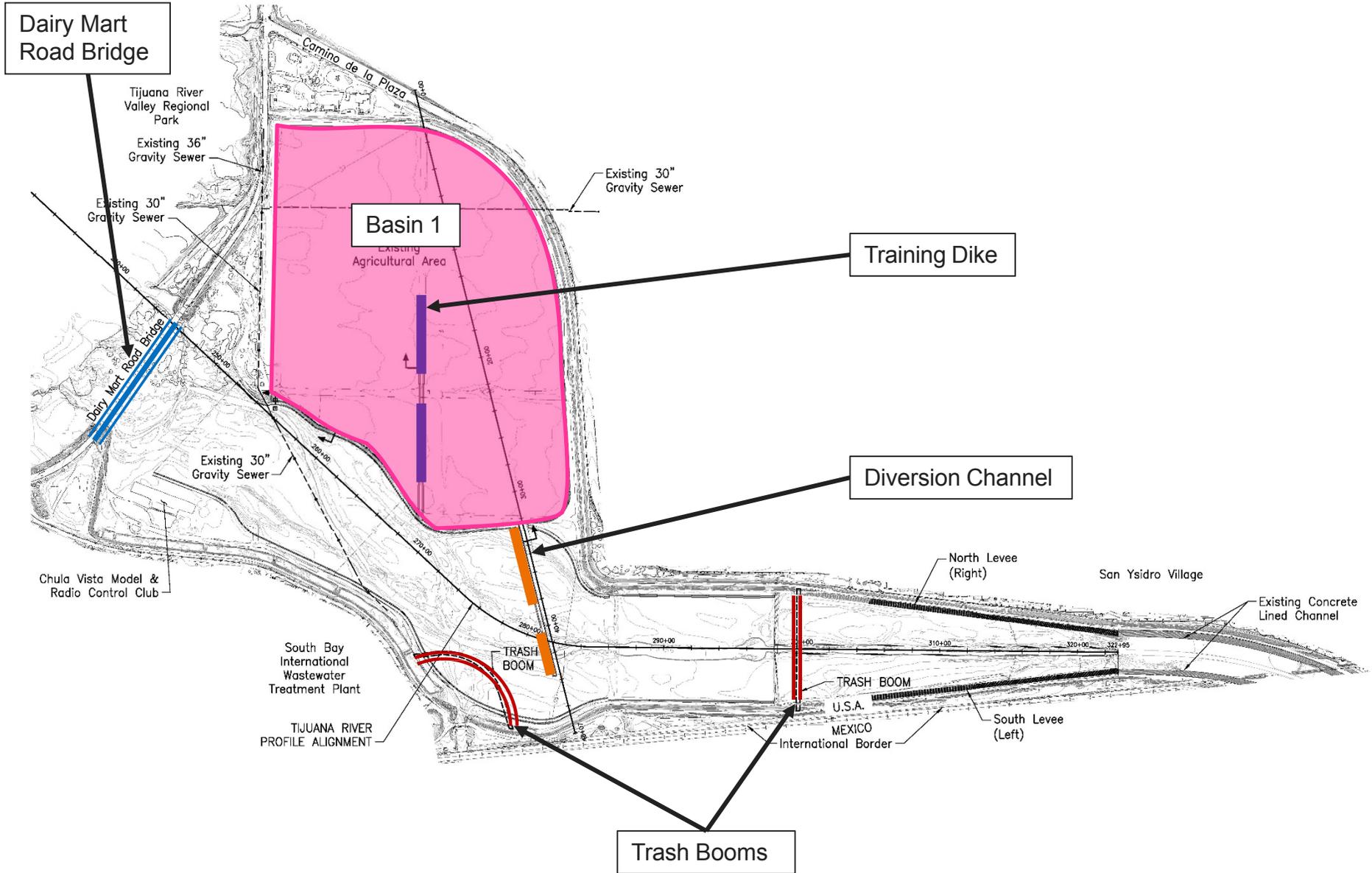
# Alternative A – In-Channel Sediment Basins



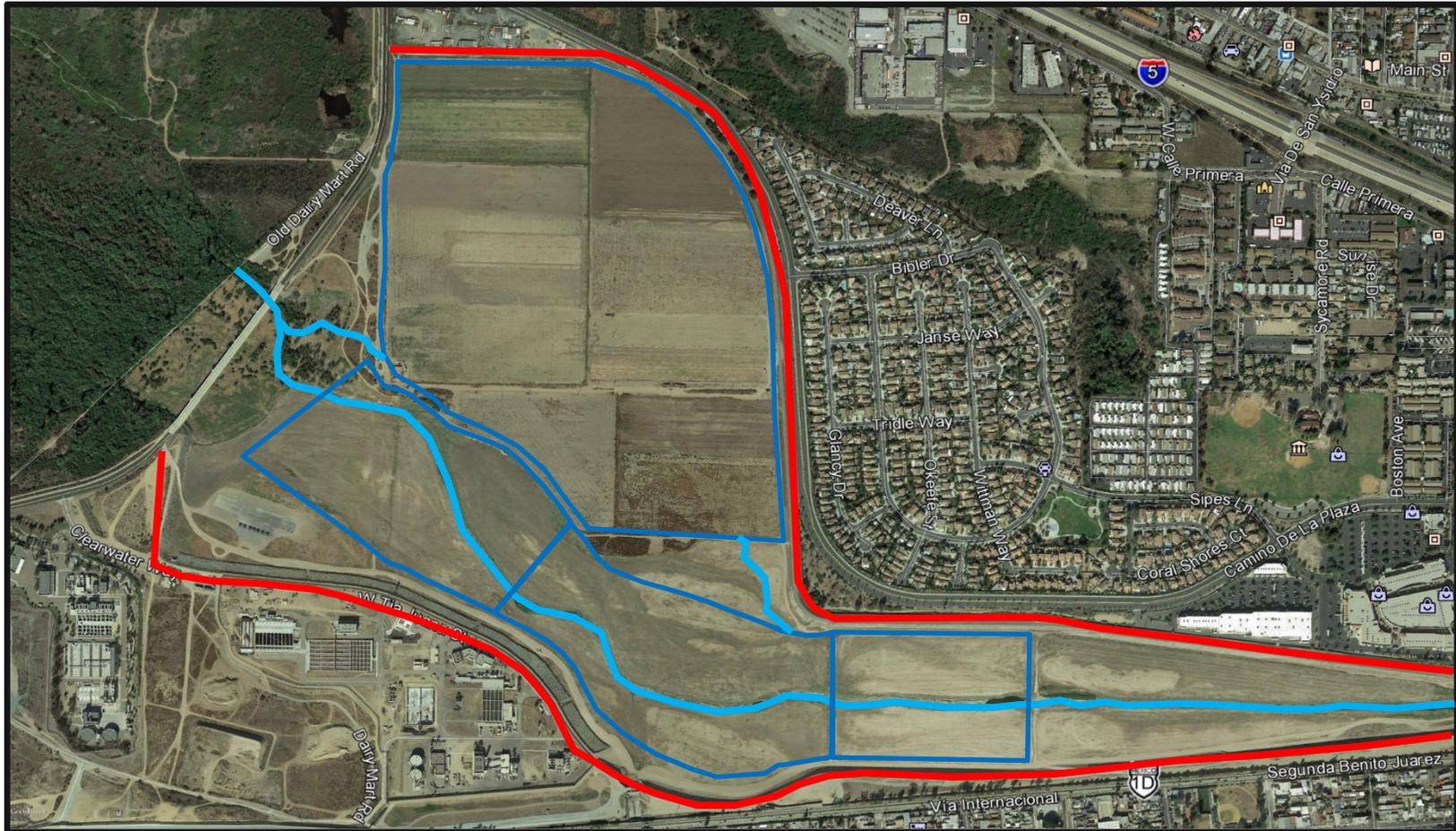
## Alternative B – Off-Channel Sediment Basin



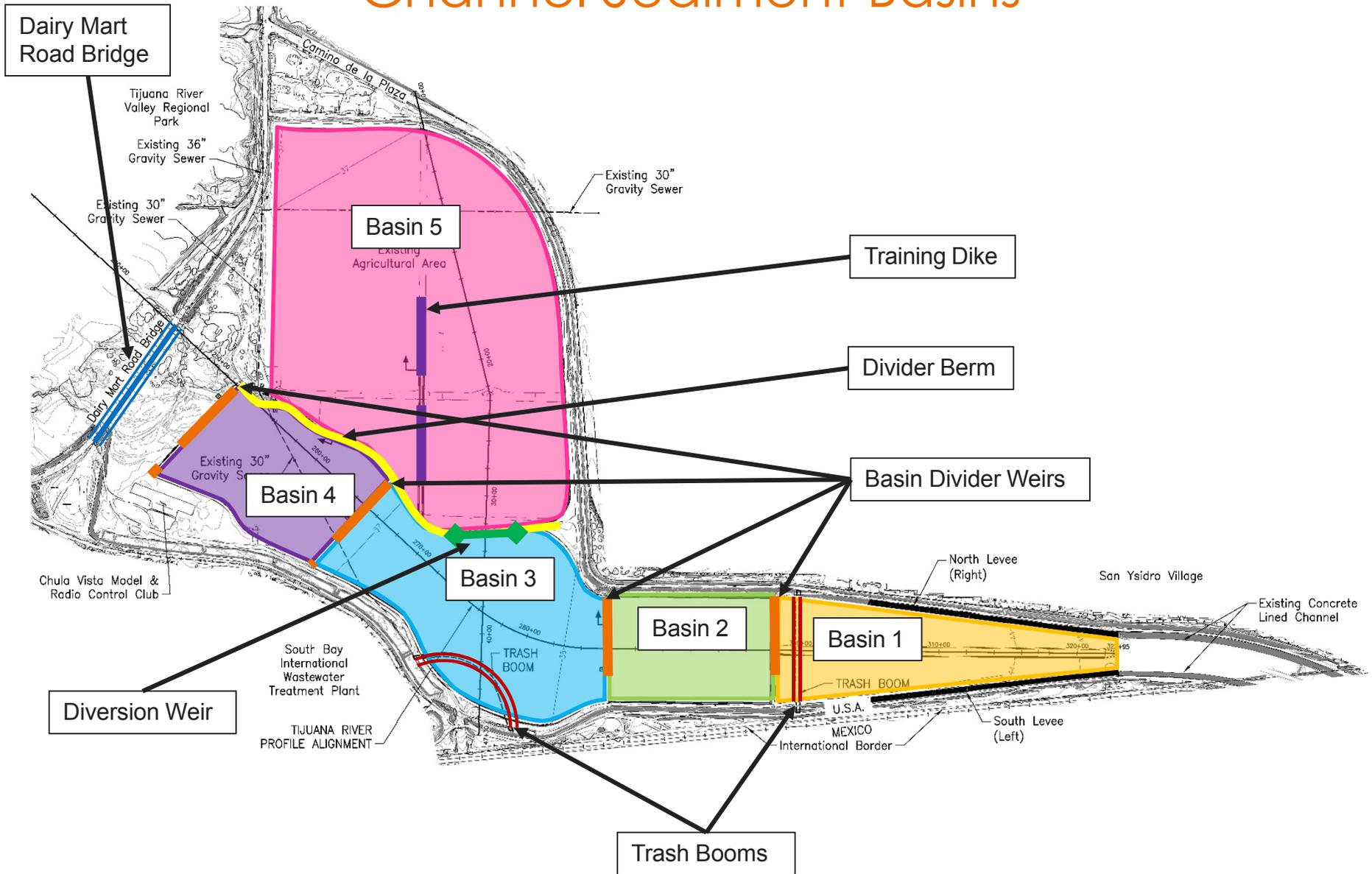
# Alternative B – Off-Channel Sediment Basin



# Alternative C – Combination of In-Channel and Off-Channel Sediment Basins



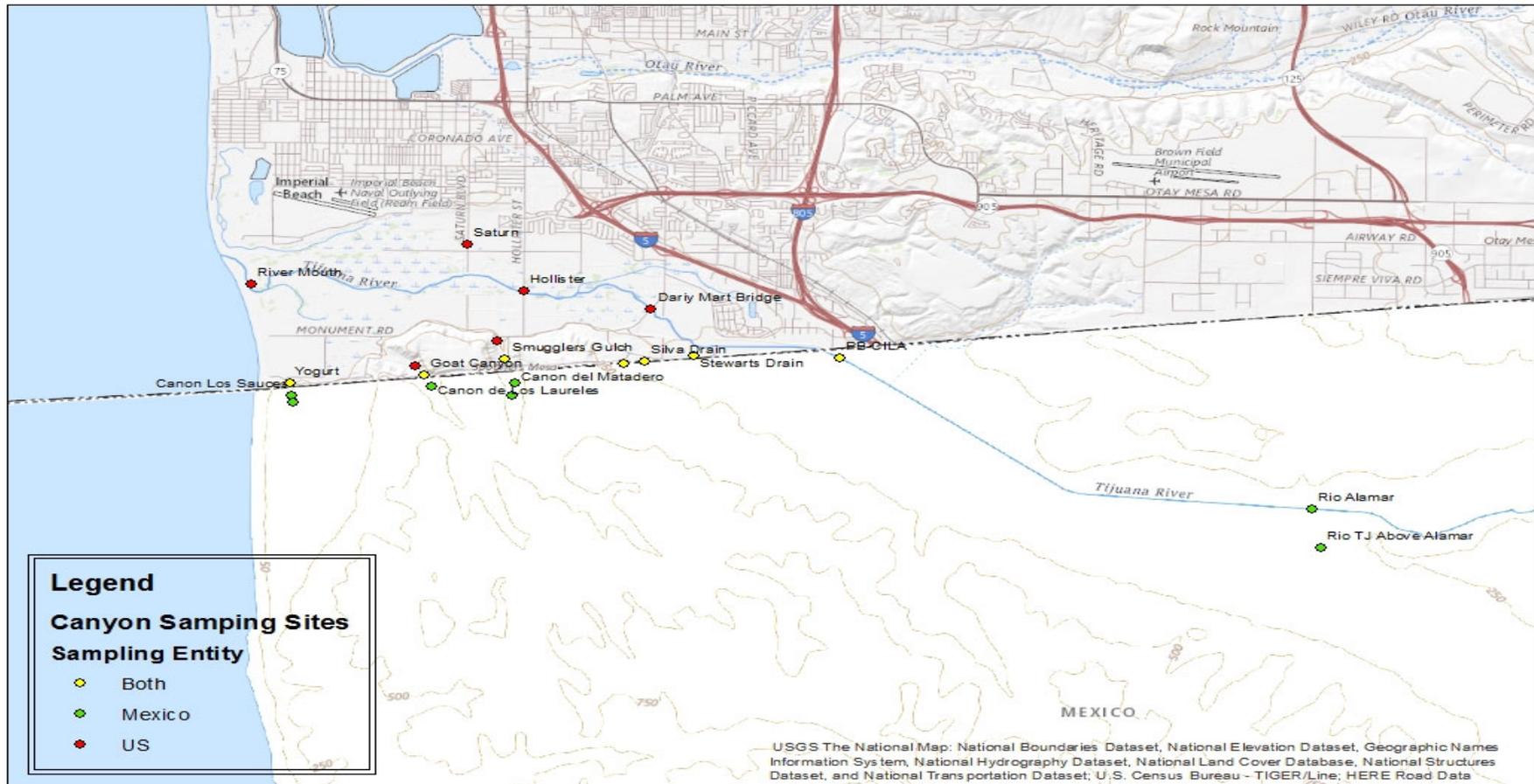
# Alternative C – Combination of In-Channel and Off-Channel Sediment Basins



The background of the slide is a light gray gradient. It is decorated with several realistic water droplets of various sizes, scattered in the corners. The droplets have highlights and shadows, giving them a three-dimensional appearance. The title text is centered in the middle of the slide.

# **WATER QUALITY SAMPLING OF THE TIJUANA RIVER AND ADJACENT CANYONS**

## Tijuana River Watershed Binational Sampling Sites



# BINATIONAL WATER QUALITY SAMPLING



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



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