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
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
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
STEWARTS DRAIN

TYPICAL DRY WEATHER CONDITION

September 12, 2019
SILVA DRAIN

SEPTEMBER, 2019
CANYON DEL SOL 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

60% Complete
Alternative A – In-Channel Sediment Basins
Alternative A – In-Channel Sediment Basins
Alternative B – Off-Channel Sediment Basin
Alternative B - Off-Channel Sediment Basin

- Dairy Mart Road Bridge
- Tijuana River Valley Regional Park
- Existing 36" Gravity Sewer
- Existing 30" Gravity Sewer
- Training Dike
- Diversion Channel
- Trash Booms
- Basin 1
Alternative C – Combination of In-Channel and Off-Channel Sediment Basins
Alternative C – Combination of In-Channel and Off-Channel Sediment Basins
WATER QUALITY SAMPLING OF THE TIJUANA RIVER AND ADJACENT CANYONS
BINATIONAL WATER QUALITY SAMPLING