

The Future of the Tijuana River

Water Quality Decisions for a Sustainable Tomorrow

Dec 5, 2019 – IBWC Citizen Advisory Board

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CITIZENS FOR COASTAL CONSERVANCY

Vision Statement and Goals

- Compliance with the Clean Water Act of 1972. (Water that is Swimmable and Drinkable)
- Restore the Tijuana River Valley to its natural state.
- Protection of private property from flooding.
- Reduction of offshore sewage dumping by 97% in 10 years.
- Restore the historical supply of sand/cobbles our beach. (655,000 cubic yards/year)
- Capture of all dry weather event flows (DWF).
- A sustainable system of clean water for future generations.
- Restoring full access to the TRV trails system w/ restored access to our beaches/bays.

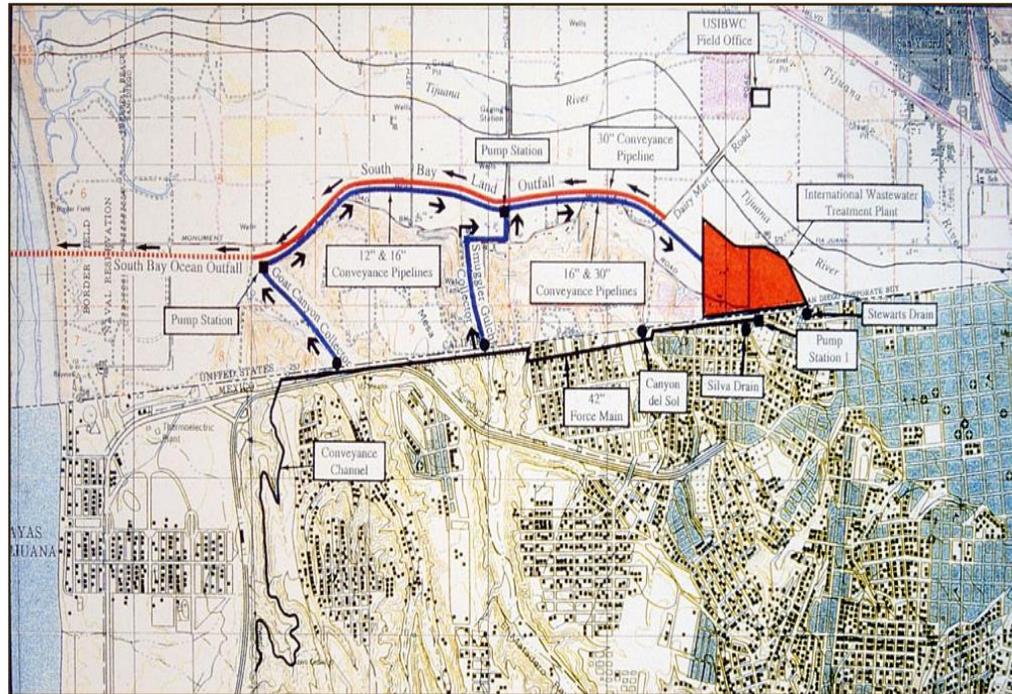


Great Decisions made by the IBWC

- IBWC Coastal Feeder Tributary Capture System
 - Smugglers Clutch, Goat Canyon and 3 others
 - 2016 IBWC Environmental Assessment for Rehab. of Levee System in TRV

Tijuana River Valley Sewage Treatment

by Steve Schoenherr



2017 IBWC Environmental Assessment for Rehabilitation of Levee System in the TRV



Results of incorrect River Management choices made by local City and State governments and associated NGO's

- Not following standard storm water management Best Management Practices (BMPS)
 - No annual maintenance of river channel - Does not allow storm water to travel quickly which carries sand and cobbles to the ocean quickly. Result is loss of (655,000 cubic yards of sand a year) - Inman 1997
 - River BMPS, like all other drainage basin, should remove of trash and non-native species from the stream bed.
 - Not performing yearly BMP's increase risk of flooding to local homes & ranches.
 - No standing water follows best practices of Mosquito Control (Vector Control) less pesticide use.



Results of proper Storm Water Management by City of San Diego – Best Practices – March 2019 to the present



Results of ocean water quality choices by City Government and local environmental NGO's

Placement of the sewage outfall (SBOO) off Imperial Beach

- Not in compliance with the Clean Water Act.
- No Secondary sewage treatment. No National Pollutant Discharge Permit (NPDES)
- No Local Public Comment – Imperial Beach public was not informed.
- Just too shallow - 90 feet of water, on-shore currents brings contaminated water to shoreline.
- Twenty (20) years later we have anemic kelp beds, aquatic life die off is common.



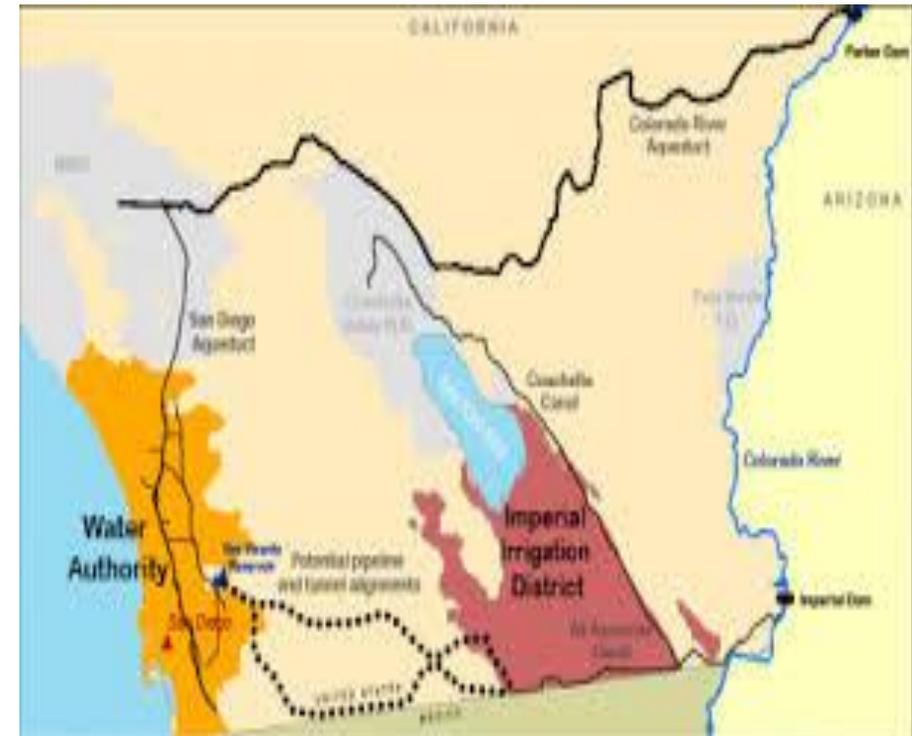
Long Term Management of the TRV

- Support the IBWC Plan for Flood Control – Consolidate Flows.
- Clean up the TRV valley and create a natural Riparian Channel.
- Capture of all Dry Weather Flows (Sewage and Sewage Solids).
- Construction of a new secondary treatment facility at Otay Mesa.
- Pump and store water to ground water injection points/Salton Sea.
- Restore all TRV horse trails & increase public use and access to TRV.



What is the plan for recycled clean TRV water

- Store water via injection wells on US side of the border/Salton Sea



The C4CC TRV Restoration Plan – IBWC



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 TIJUANA RIVER RESTORATION PLAN
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C4CC TRV Drainage Plan – Levees Protect Homes



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TIJUANA RIVER - DRAINAGE STUDY & CLEANUP PLAN
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C4CC TRV Flood Control – Protects Homes



LEVEE HORSE TRAIL  RIVER CHANNEL  FLOOD PLAN

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TIJUANA RIVER - FLOOD STAGE PLAN
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A side by side comparison of restoration plans



What are our problems? More importantly, what are our solutions?

	C4CC	SB507
Cleans up the river of all trash and restores river ecosystem	YES!	No
Reduces the risk of flooding of TRV homes and ranches	YES!	No
Eliminates almost all sewage dumped of coast in 10-20 years	YES!	No
Provides a sustainable supply of clean water	YES!	No
Capture of dry weather sewage flows	YES!	YES!
Stop sewage sludge from building up in the Tijuana River Estuary	YES!	No
Eliminates standing sewage water	YES!	No
In compliance with the Clean Water Act	YES!	No
Clean up the aquafer and helps push back saltwater intrusion	YES!	No
Elimates hormones, pharmaceuticals and manmade chemicals	YES!	No
Installs the backbone of infrastructure for the future	YES!	No

