



International Boundary and Water Commission United States Section

For immediate release
July 2, 2024

USIBWC San Diego Citizens Forum Public Meeting in Coronado on July 10

The U.S. Section of the International Boundary and Water Commission (USIBWC) San Diego Citizens Forum board is pleased to announce it will host an in-person and virtual public meeting on Wednesday, **July 10, from 5:30–7:30 p.m. PDT.**

Morgan Rogers, Area Operations Manager of the USIBWC San Diego Field Office, will present updates on the South Bay International Wastewater Treatment Plant, San Diego–Tijuana wastewater infrastructure improvement projects, and other Commission activities in the region.

The County of San Diego Department of Parks and Recreation will give a presentation “Current Efforts on Dredging and Berm Repair in the Tijuana River Valley by the County and City of San Diego.”

The public meeting will be held in person at:

**Coronado Community Center
Triton Room
1845 Strand Way
Coronado, CA 92118**

The public meeting will also be held virtually: [Click here to join the meeting](#). If possible, it may be helpful for you to test connectivity on your own prior to the meeting by clicking on the “Join” link and ensuring your camera and microphone are functioning. Or join by phone: Call-in number +1 872-240-1286 Conference ID: 792697497#

For those connecting via phone, the presentations will be available before the start of the meeting. Go to the San Diego Citizens Forum page <https://www.ibwc.gov/meetings/category/san-diego/>, and look for the links for the 7/10/2024 meeting.

If you would like to speak during the public comment period, please sign up ahead of time by contacting Frank Fisher at frank.fisher@ibwc.gov or 915-494-6027 by noon on July 8, 2024.

News Media Contact:

Frank Fisher
frank.fisher@ibwc.gov
915-494-6027

SAN DIEGO CITIZENS FORUM

Wednesday, July 10, 2024, 5:30–7:30 p.m. PDT
Triton Room - Coronado Community Center
1845 Strand Way
Coronado, CA 92118
And via Teams Webinar

Agenda

- **Welcome and Introductions**
- **Update of IBWC Activities in San Diego Region** – Morgan Rogers, P.E., Area Operations Manager, USIBWC San Diego Field Office
- **Current Efforts on Dredging and Berm Repair in the Tijuana River Valley by the County and City of San Diego** - County of San Diego Department of Parks and Recreation
- **Public Comment**
- **Board Discussion**
- **Suggested Future Agenda Items**

If you have a disability that you wish to self-identify confidentially that requires accommodation, please advise us ahead of time. For more information call or email Frank Fisher at frank.fisher@ibwc.gov or 915-494-6027.

Microsoft Teams meeting

Join on your computer, mobile app or room device: [Click here to join the meeting](#)

Meeting ID: 259 463 243 377
Passcode: mTSPyf

[Download Teams](#) | [Join on the web](#)

Or call in (audio only)

+1 872-240-1286,,792697497# United States, Chicago
Phone conference ID: 792 697 497#



INTERNATIONAL BOUNDARY AND WATER COMMISSION

UNITED STATES SECTION

San Diego Field Office Update

Morgan Rogers, P.E.
Area Operations Manager

July 10, 2024



San Diego Field Office Update

Agenda

- San Diego – Tijuana Infrastructure **Progress**
 - SBIWTP
 - San Antonio de los Buenos (SAB) Wastewater Treatment Plant
 - International Collector
 - Minute 328 Projects
- San Diego – Tijuana Infrastructure **Challenges**
 - Transboundary Flows
 - Sediment transport
 - Mass Balance Flows Accounting
- USIBWC **Ongoing Efforts**





San Diego – Tijuana Wastewater System Progress

South Bay International Wastewater Treatment Plant (SBIWTP)

- \$31M USIBWC funds redirected to SBIWTP since FY21 to present
- NPDES Permit compliance August 2024





San Diego – Tijuana Wastewater System Progress

South Bay International Wastewater Treatment Plant (SBIWTP)



Influent Pumps

- **Issue:** 1 of 6 pumps operational after Tropical Storm Hilary, August 2023
- **Current:** 5 of 6 pumps operational
- **Pending:** 4 new pumps ordered
- **Resilience:** 3 spare pumps



Influent Meter & Valves

- **Issue:** Influent meter inoperable since 2017
- **Current:** construction in progress
- **Pending:** construction complete July 2024
- **Resilience:** 2 flow meters; influent & effluent



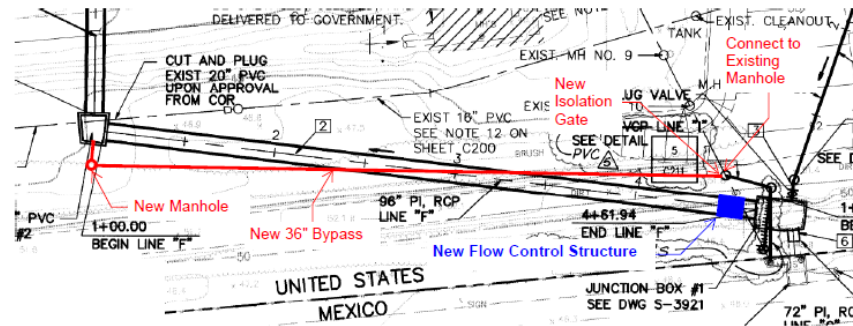
Primary Sedimentation Tanks

- **Issue:** 0 of 5 PSTs operational March 2023
- **Current:** 2 PSTs operational, third PST next week
- **Pending:** 2 PSTs cleaning & rehab in progress; minimum 3 PSTs operational July 2024 & required for permit compliance
- **Resilience :** 5 of 5 PSTs operational September 2024 & providing 2 redundant PSTs



San Diego – Tijuana Wastewater System Progress

South Bay International Wastewater Treatment Plant (SBIWTP)



Hollister Pump Station

- **Issue:** 0 of 4 pumps operational after Hilary, August 2023
- **Status:** 4 of 4 pumps operational
- **Pending:** 1 new pumps ordered
- **Resilience:** 1 spare pump

Junction Box #1 (JB1)

- **Issue:** JB1 inoperable
- **Status:** Contract Awarded
- **Pending:** 90% design due August 2024, new gates on order, construction complete February 2025
- **Resilience:** Flow control to the SBIWTP



San Diego – Tijuana Wastewater System Progress

San Antonio de Los Buenos Wastewater Treatment Plant (SAB)

Background:

- Capacity 18 MGD
- Will treat approximately 1/3 of Tijuana Wastewater
- Reduces volume of untreated wastewater discharged to the ocean
- Funded and construction started Feb 2024
- Closely monitoring progress, initiated communications with new administration on completion



Before



June 20, 2024



San Diego – Tijuana Wastewater System Progress

International Collector Pipeline

Background:

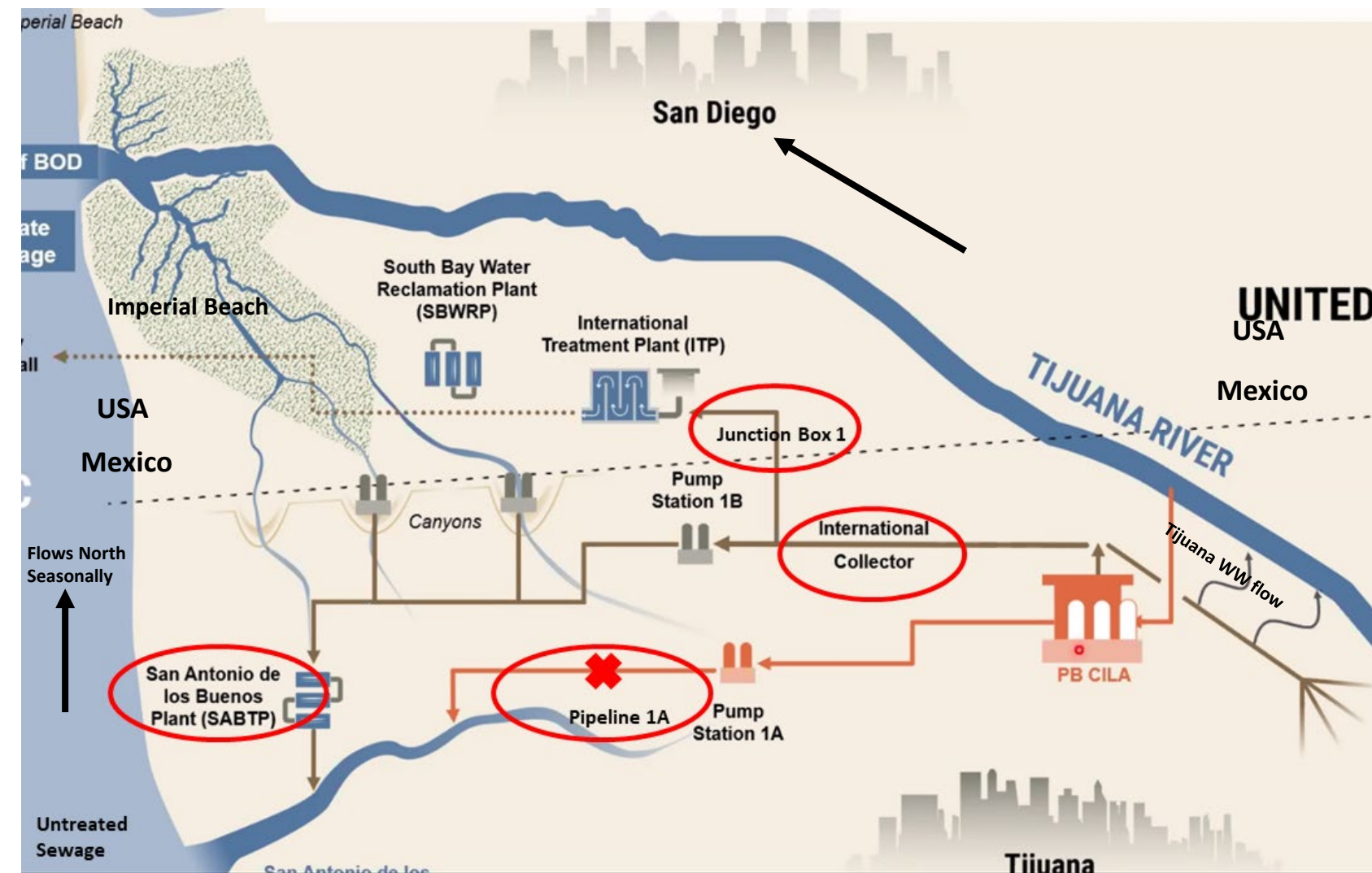
- Transports 16% of Tijuana generated wastewater
- Source of flow to SBIWTP
- Pipeline compromised by fractures and leaks and contributing to Tijuana River transboundary flows
- Construction in progress
- Construction complete summer 2024
- Rehabilitation includes relining and replacing sections of piping and will increase the reliability of international collector and reduce leaks and spills.





San Diego – Tijuana Wastewater System Progress

Infrastructure Weak Points Improvements



Issues:

- JB1- operable Feb 2025
- International Collector integrity restored summer 2024
- SAB wastewater treatment plant is operable 2024
- Pipeline 1A downstream remains untested

Impacts:

- Decreased dry weather flows in Tijuana River to San Diego beaches
- Decreased untreated flows to Tijuana beaches that seasonally flow north reach San Diego beaches



San Diego – Tijuana Wastewater System Progress

SBIWTP Expansion

Facility Assessment/Pre-design: Start: Oct 2022, End: November 2023

Procurement phase:

- Start: December 8, 2023.
- Phase 1 Proposals received February 8, 2024
- Phase 2 Proposals received June 11, 2024
- Award: Mid-August 2024

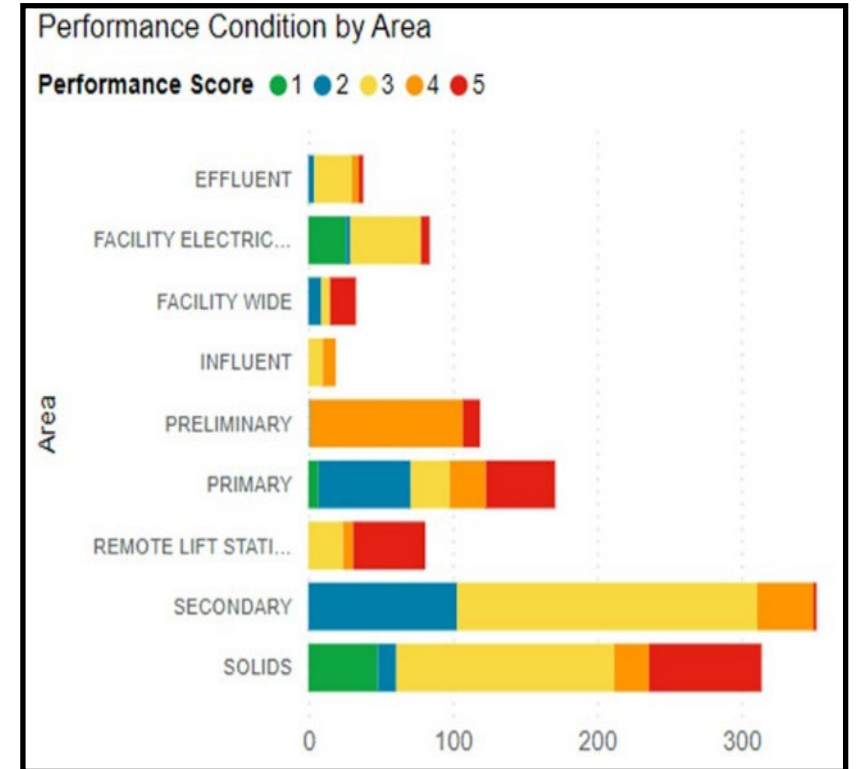
Design/Construction: Start mid-August 2024.

Program Support: USACE (QA) and Arcadis (QC) award in parallel with progressive design/construction contract

Project under procurement as a design build:

- Final design, rehabilitation, expansion to 50 MGD & 25 MGD peak.
- Estimated cost \$600M +- 30%.
- Phasing in Procurement Process
 - Base Project: Full design, rehabilitation & 45-mgd expansion
 - Phase 1: Expansion to target capacity of 50 MGD
 - Phase 2: Peaking factor up to 75 MGD

Rehabilitation and Expansion



Equipment failures, conditions, and age are impacting performance.
(Assets in 4-5 need immediate attention)
430 assets/36% need immediate attention



San Diego – Tijuana Wastewater System Progress

Minute 328 Projects

	Project	Status	Progress (%)	Completion Date	April 2024 Status Updates
1	Expansion of SBIWTP to 50 mgd- Solicitation Phase	Procurement	60%	Late summer 2024	Design Build solicitation. Phase 1 completed March 2024. Phase 2 started April 3, 2024 with proposals expected the week of June 10, 2024.
1a	Rehabilitation of PBCILA	Complete	100%		
1b	Rehabilitation of PB1	Contracting	0%	Jul-26	Contracts for project to be issued in May 2024, with construction expected to start in July 2024. Construction is expected to take 2 years.
2	Oriente Collector	Complete	100%	Jul-23	
3	Rehabilitation of the International Collector, Phase 1	Construction	50%	Jun-24	
	Rehabilitation of the International Collector, Phase 2		0%		Pending completion of Phase 1 and funding.
4	Rehabilitation of the parallel gravity line		0%		
5	Rehabilitation of the Antiguo Force Main		0%		
6	Encasement of the open channel from PB-IA to San Antonio de los Buenos		0%		
7	Rehabilitation of the Insurgentes Collector		0%		Pending funding
8	Rehabilitation of Poniente Interceptor		0%		Pending funding
9	Rehabilitation of the Carranza Collector		0%		

Minute 328 Signed by US & MX July 2022

- US committed \$330M; fully funded
- MX committed \$144M, 50% funded



San Diego – Tijuana Wastewater System Progress

Minute 328 Projects

	Project	Status	Progress (%)	Completion Date	April 2024 Status Updates
10	Rehabilitation of the Oriente Interceptor		0%		Pending funding
11	Phase 1 of reuse of effluent from the La Morita and Arturo Herrera plants- CESPT planning	Study	20%		No update provided.
	NADB study for La Morita and Arturo Herrera	Study	60%		Draft report provided to NADB for review by consultant, comments provided by team.
12	Lift station and force main from Sainz Canyon to Arturo Herrera plant		0%		Pending funding
13	Rehabilitation of PB Matadero and Laureles 1 and 2	Repair/rehab	28%		Laureles 1 is underway, work is ongoing, Mexican Section reported progress.
					PB Matadero and Laureles 2 are pending funding.
14	New San Antonio de los Buenos treatment plant	Construction	10%	TBD	Construction has started. Mexican government has reported the estimated completion of the plant to be September 2024. Binational meeting held on Apr 19, the plant is primary/secondary with digesters planned.
15	Tijuana River Gates	Planning	0%		The first group of gates will be designed by Sep 2024. Construction planned for early 2025. NADB is working with CESPT to issue the first 4 gates during this phase.
16	Backup power supply for PB-1		0%		Meeting scheduled between CESPT and SDG&E May 2024



San Diego – Tijuana Wastewater System Challenges

- Tijuana infrastructure not capable of capturing and treating generated wastewater
- Transboundary wastewater flows continues into the US from the Tijuana River and canyons
- Untreated wastewater discharged directing into the ocean south of Tijuana
- Negative impacts of transboundary flows on human health and the environment and local economies



TJ River, 7/3/2024, 45 MGD



Goats Canyon, 7/3/2024, 1 MGD

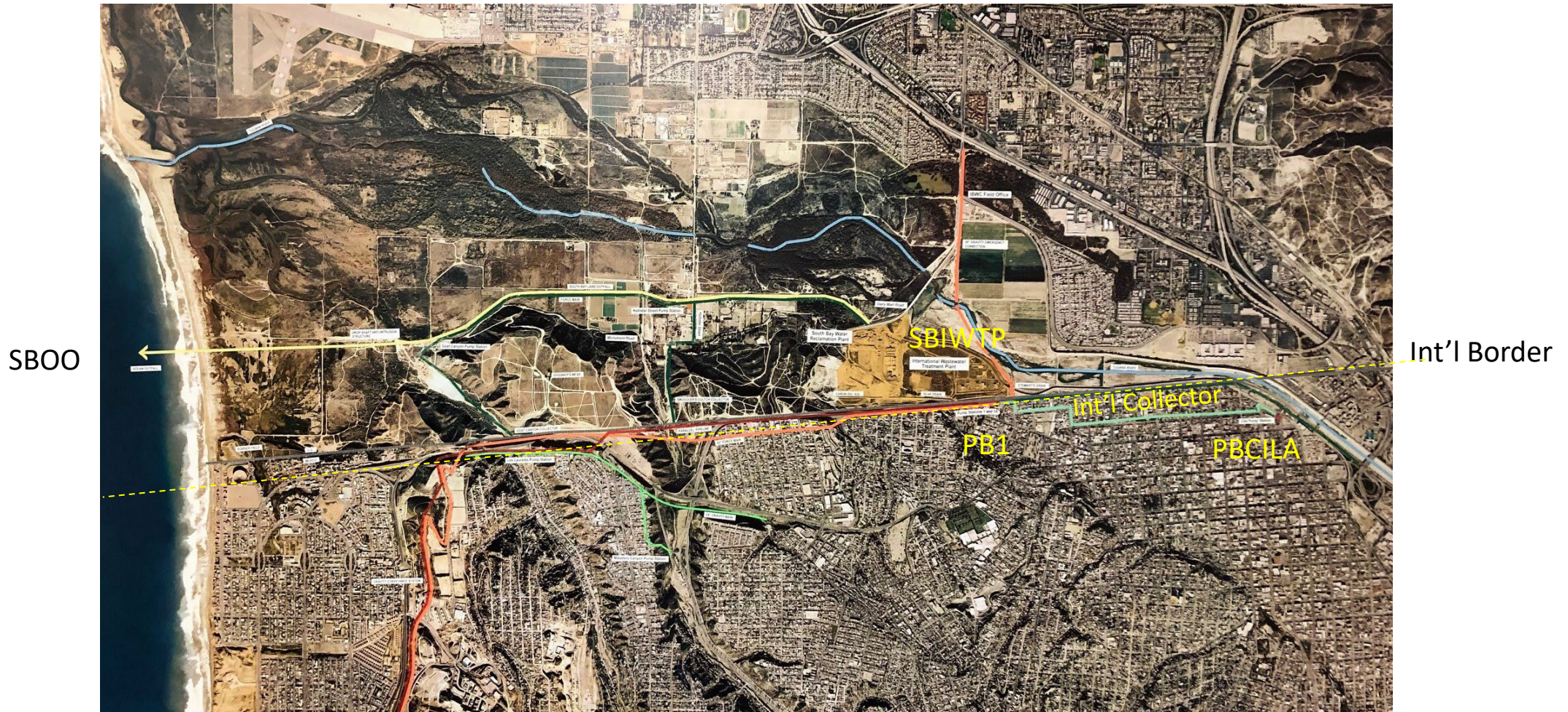


MX Ocean Discharge, undated, 35-45 MGD



San Diego – Tijuana Wastewater System Challenges

Transboundary Flows





San Diego – Tijuana Wastewater System Challenges

Transboundary Flows



Smugglers Gulch Canyon Collector

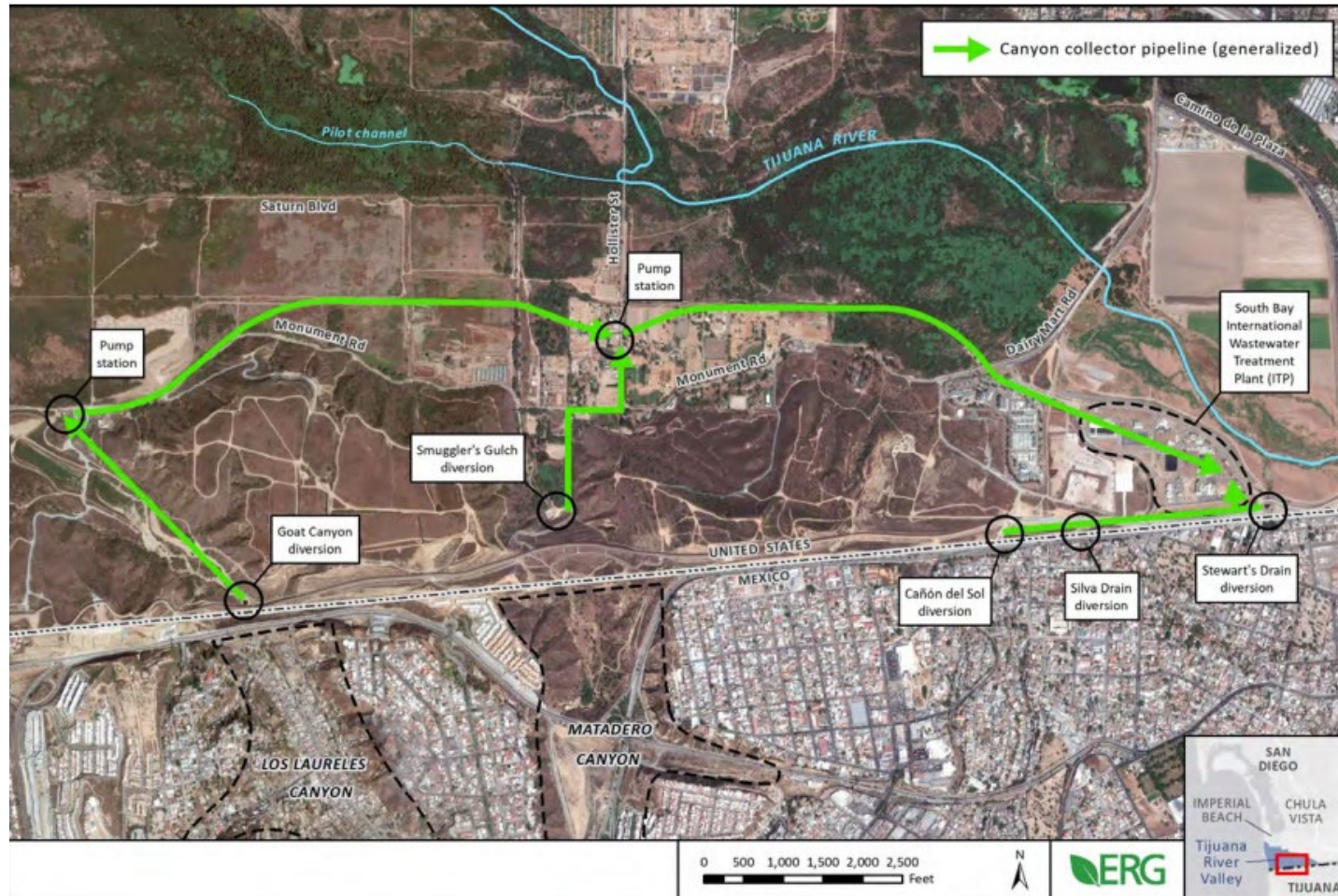


Goats Canyon Collector



San Diego – Tijuana Wastewater System Challenges

Transboundary Flows/Spills – Hollister Pump Station





San Diego – Tijuana Wastewater System Challenges

Sediment Intrusion – Smugglers Gulch Canyon Collector



2.28.2024



5.31.2024

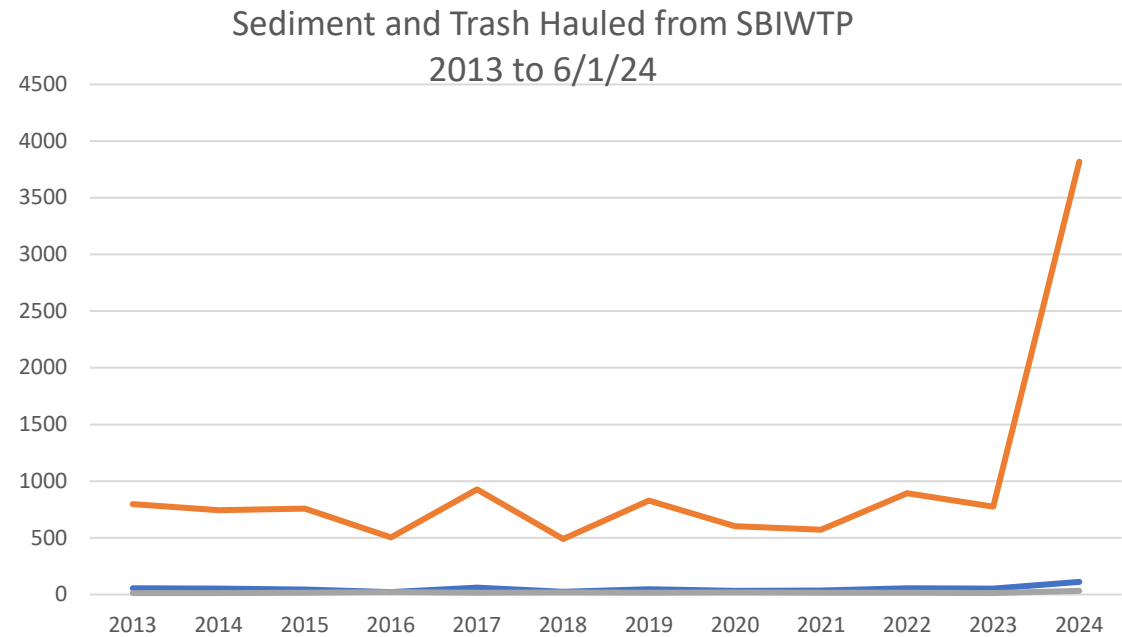


San Diego – Tijuana Wastewater System Challenges

Sediment Intrusion

- Excessive sediment in wastewater continues to compromise SBIWTP and canyon collectors' operations
- Significant increase in sediment & trash in 2024
- Communicated with MX on need for sediment control
 - Pre-construction erosion control measures
 - Post-construction sediment basins Matadero Canyon

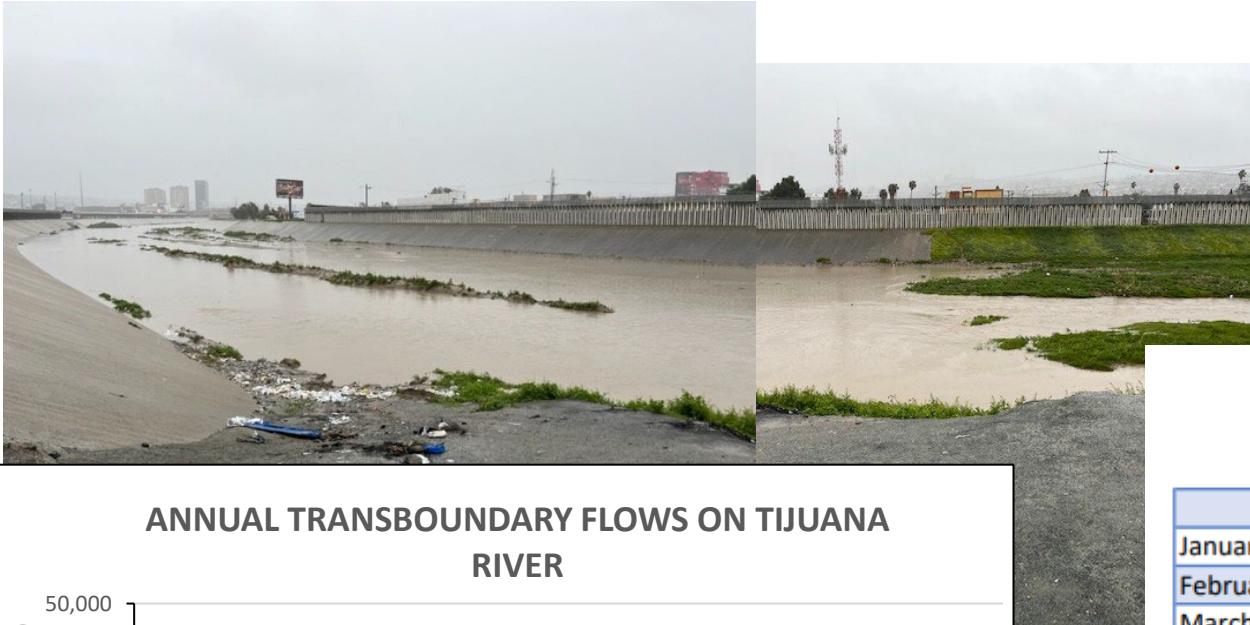
SBIWTP Annual Average Effluent	
	MGD
2020	27.2
2021	23.3
2022	30.2
2023	27.1
2024	22.7



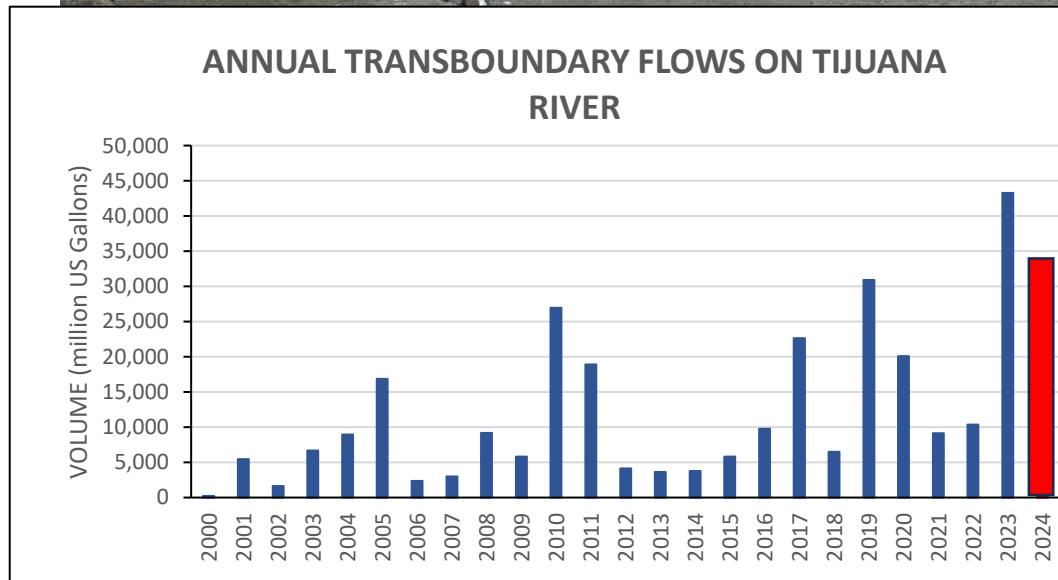


San Diego – Tijuana Wastewater System Challenges

Transboundary Flows - Tijuana River



Tijuana River Total Monthly Flows, MG

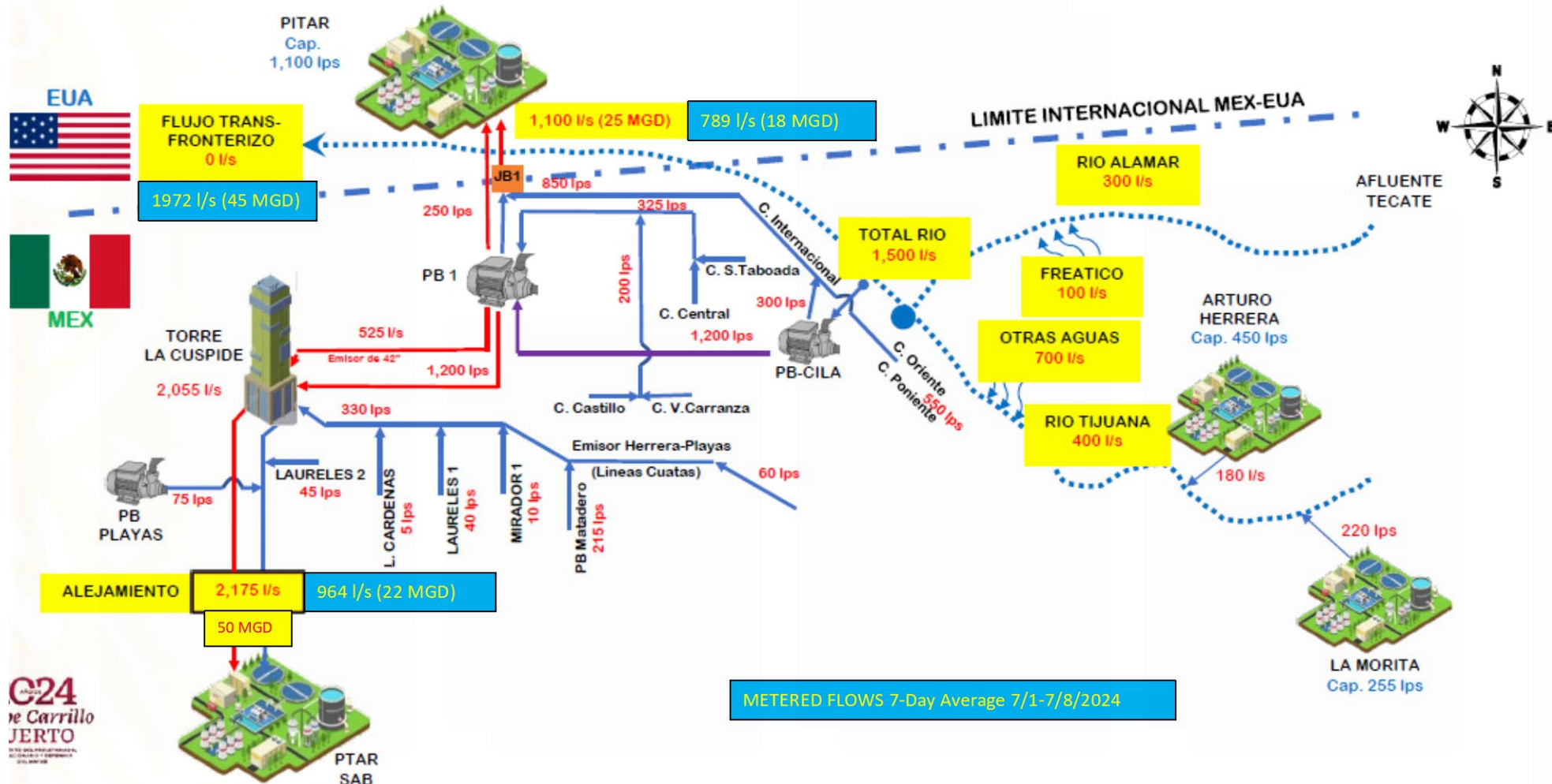


Month	Year					
	2019	2020	2021	2022	2023	2024
January	2,371	2,185	2,179	1,006	14,449	6,586
February	8,297	1,883	889	1,377	3,608	12,703
March	2,080	4,328	2,049	1,921	12,828	5,996
April	125	9,193	463	462	2,562	2,882
May	552	793	8	0	1,039	1,743
June	21	565	0	13	346	1,617
July	28	372	0	32	126	
August	0	113	18	423	3,011	
September	285	5	4	826	1,282	
October	21	0	649	126	959	
November	5,189	229	0	2,307	no data	
December	11,939	425	2,896	1,873	1,887	
Total Annual	32,928	22,111	11,176	12,387	44,119	33,551
Dry weather total	908	1,847	679	1,420	6,762	3,359



San Diego – Tijuana Wastewater System Challenges

TIJUANA SANITATION SYSTEM FLOWS UNDER NORMAL CONDITIONS DURING DRY SEASON
FLUJOS EN EL SISTEMA DE SANEAMIENTO DE TIJUANA CONDICIONES NORMALES EN ÉPOCA DE ESTIAJE



Mass Balance Flows:

- 7-Day Average
- One pump PBCILA
- PB1 max 29 MGD during construction
- TJ River dry weather flows continue
- Tecate add'l flow 300 lps (6.8 MGD)?
- Other new sources of TJ River flow?
- When PB1 fully operational 2000 lps (35MGD)?



Ongoing Efforts

- Advancing SBIWTP repairs & rehabilitation
- Advancing SBIWTP expansion
- Regular meetings between IBWC Commissioners & Principal Engineers
 - Monitoring Minute 328 projects
 - Monitoring SAB progress
 - MX sediment control
- Bi-weekly meetings San Diego Field Office USIBWC/CILA/CESPT
 - Projects' updates & coordination
 - Monthly Tijuana River surveys
 - Mass Balance Reports
 - Identify sources of transboundary flows
 - Develop plans of action to eliminate transboundary flows
- Improved communications and sharing of information





Questions?

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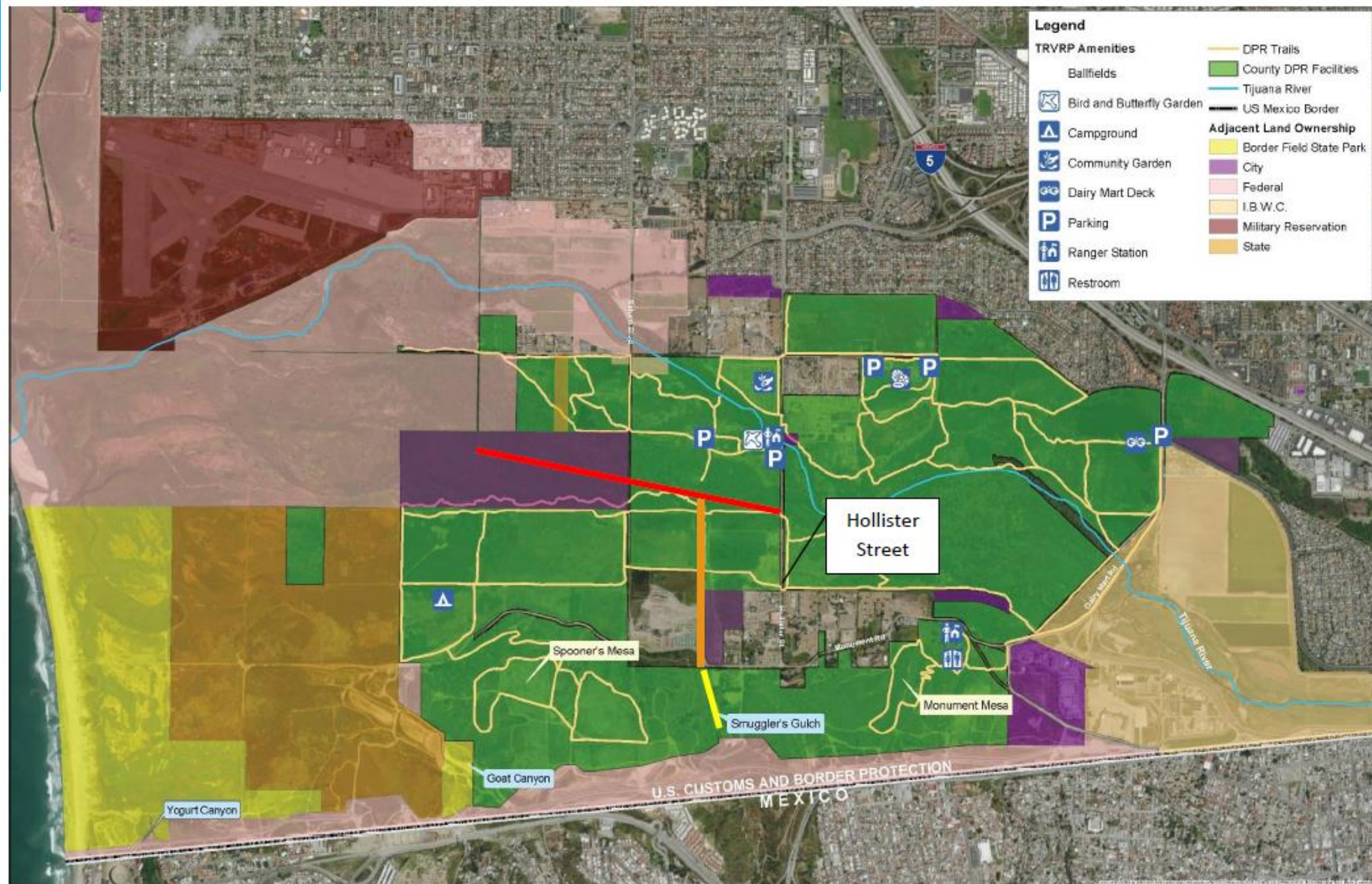
Smuggler's Gulch Dredging Project and Related County Efforts

July 10, 2024

Crystal Benham, Parks and Recreation
Moises Pinedo, Parks and Recreation



Tijuana River Valley Overview



Efforts to Manage Trash & Sediment

- Source Control
 - Tijuana River Mainstem
 - Goat Canyon
 - Smuggler's Gulch
- Long-Term Maintenance

Smuggler's Gulch Emergency Dredging



- \$5M one-time State Water Resources Control Board grant and County funding
- Started March 2024; expected to continue into Winter 2024

Looking Ahead - Sediment/Trash Management



- Smuggler's Gulch Sediment Basins and Trash Booms
- Smuggler's Gulch Dredging
 - Fiscal Year 25/26 one-time funding



Long-Term Approach - Sediment/Trash Management



- Nelson Sloan Quarry Restoration Project
 - Currently in environmental permitting phase
- Multi-agency cooperation

Questions?

County Staff Contacts

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- Moises Pinedo: Moises.Pinedo@sdcounty.ca.gov