




USMCA Mitigation of Contaminated Transboundary Flows Project

*T-MEC Proyecto de Mitigación de Flujos
Transfronterizos Contaminados*

Public Scoping Meeting

April 20, 2021, 6pm (PDT)

Agenda

- 
- 1 Welcome & Overview** Bienvenido & Visión General
 - 2 NEPA & Public Scoping** NEPA & Alcance Público
 - 3 Technical Analysis Overview** Descripción General del Análisis Técnico
 - 4 Comment Period** Período de Comentarios
 - 5 Closing Remarks** Comentarios Finales

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Welcome & Overview

Bienvenido & Visión General

Dave Smith

Water Division Assistant Director, EPA Region 9

- The USMCA Section 821 mandates EPA, in coordination with eligible public entities, to carry out the planning, design, construction, operation and maintenance of high priority treatment works in the covered area to treat wastewater (including stormwater), nonpoint sources of pollution, and related matters resulting from international transboundary water flows originating in Mexico.
- *La Sección 821 del T-MEC obliga a la EPA, en coordinación con las entidades públicas elegibles, a llevar a cabo la planificación, diseño, construcción, operación y mantenimiento de obras de tratamiento de alta prioridad en la zona cubierta para tratar las aguas residuales (incluidas las aguas pluviales), las fuentes no señaladas de contaminación y los asuntos relacionados resultantes de los flujos internacionales de agua transfronteriza originarios de México.*

- The USMCA has appropriated \$300 million to support border water infrastructure projects along the US-Mexico Border.
- EPA is currently assessing, with contractor support, technical options to address the transboundary wastewater flows.
- *El T-MEC ha apropiado 300 millones de dólares para apoyar proyectos de infraestructura hídrica fronteriza a lo largo de la frontera entre Estados Unidos y México.*
- *La EPA está evaluando actualmente, con el apoyo de los contratistas, opciones técnicas para abordar los flujos transfronterizos de aguas residuales.*

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NEPA & Public Scoping

NEPA & Alcance Público

Thomas Konner

Environmental Engineer, EPA Region 9

- **What is NEPA?**

- National Environmental Policy Act of 1969
- Requires federal agencies to evaluate environmental and related social and economic impacts of proposed federal actions prior to making decisions.
- Provides opportunity for public review and comment on those evaluations (public scoping).

- ***¿Qué es NEPA?***

- *Ley Nacional de Política Ambiental de 1969*
- *Requiere que las agencias federales evalúen los impactos ambientales de las acciones propuestas y sus relacionados impactos sociales y económicos antes de tomar decisiones.*
- *Brinda oportunidades para revisión y comentario público sobre esas evaluaciones (alcance público).*

- **Purpose of Public Scoping**

- Identify significant environmental issues deserving of study
- Eliminate non-significant issues from further study
- Invite comments on the scope of the EIS, including alternatives to be evaluated

- ***Propósito del Alcance Público***

- *Identificar cuestiones ambientales significativas que merecen estudio*
- *Eliminar cuestiones no significativas de estudios adicionales*
- *Invitar comentarios sobre el alcance del EIS, incluido las alternativas a evaluar*

Anticipated Schedule

NEPA Activity	Dates
NOI published in Federal Register – initiate 45-day scoping period <i>(NOI publicado en el Registro Federal – inicio del período de alcance de 45 días)</i>	April 5, 2021 <i>(5 de abril de 2021)</i>
Hold virtual scoping meeting, 6-8p.m. PDT <i>(La Reunión del alcance público)</i>	April 20, 2021 <i>(20 de abril de 2021)</i>
End of Public Comment Period <i>(Fin del período de comentarios públicos)</i>	May 20, 2021 <i>(20 de mayo de 2021)</i>

- Public Scoping Meeting was Advertised in the Federal Register, Local Newspapers, the North American Development Bank’s List Serve and the EPA webpage (went live in March).
- *La reunión del alcance público fue anunciada en el Registro Federal, periódicos locales, el Servicio de Lista del Banco de Desarrollo de América del Norte y la página web de la EPA (entró en funcionamiento en marzo).*

Email: Tijuana-Transboundary-EIS@epa.gov

Website: <https://www.epa.gov/sustainable-water-infrastructure/usmca-tijuana-river-watershed>

Public meeting today: Oral or written

Last day to submit comments: May 20, 2021

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Technical Analysis Overview

Descripción General del Análisis Técnico

Douglas Eberhardt

Environmental Engineer, EPA Region 9

Transboundary Flow

- Tijuana River
- San Antonio de los Buenos (SAB) Creek
- Cross-border Canyon

Pollutants in the Flow

- Untreated wastewater
- Trash
- Sediment

Negative Impacts of these Pollutants

- Public Health & Beach Water Quality
- Wildlife & Habitat
- Government Activities

El Flujo Transfronterizo

- *Rio Tijuana*
- *Arroyo San Antonio de los Buenos (SAB)*
- *Los afluentes transfronterizos del cañón*

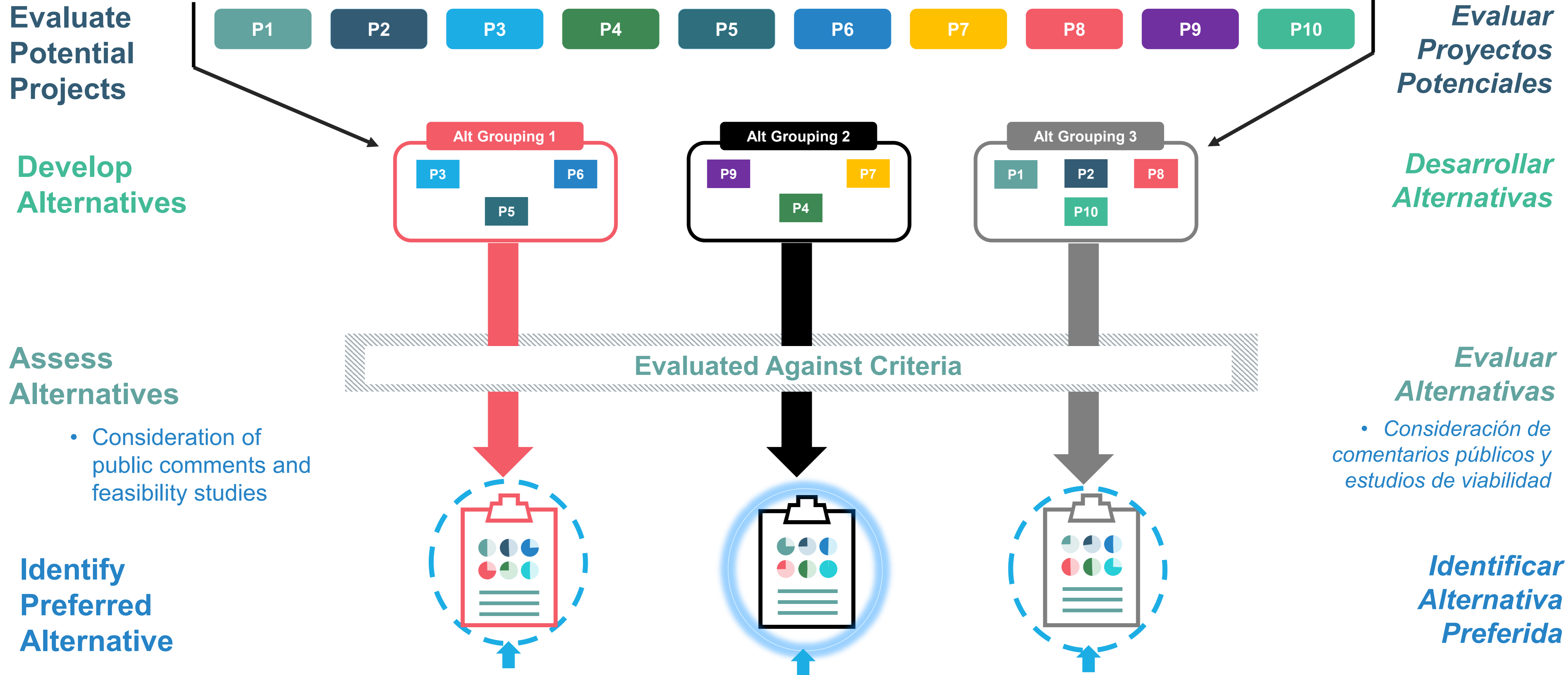
Contaminantes en el Flujo

- *Aguas residuales no tratadas*
- *Basura*
- *Sedimento*

Los Impactos Negativos de estos Contaminantes

- *Salud Pública y Calidad del Agua Costera*
- *Vida silvestre y hábitat*
- *Actividades gubernamentales*

USMCA Technical Analysis Milestones



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Existing System Overview

Visión General del Sistema Actual

Existing System

NW Waves (Winter)

Imperial Beach

San Diego

1,590 tons/yr of BOD

BOD is a surrogate measure for sewage

South Bay Water Reclamation Plant (SBWRP)

International Treatment Plant (ITP)

UNITED STATES

South Bay Ocean Outfall

TIJUANA RIVER

PACIFIC OCEAN

MEXICO

Pump Station 1B

International Collector

Canyons

PB CILA

San Antonio de los Buenos Plant (SABTP)

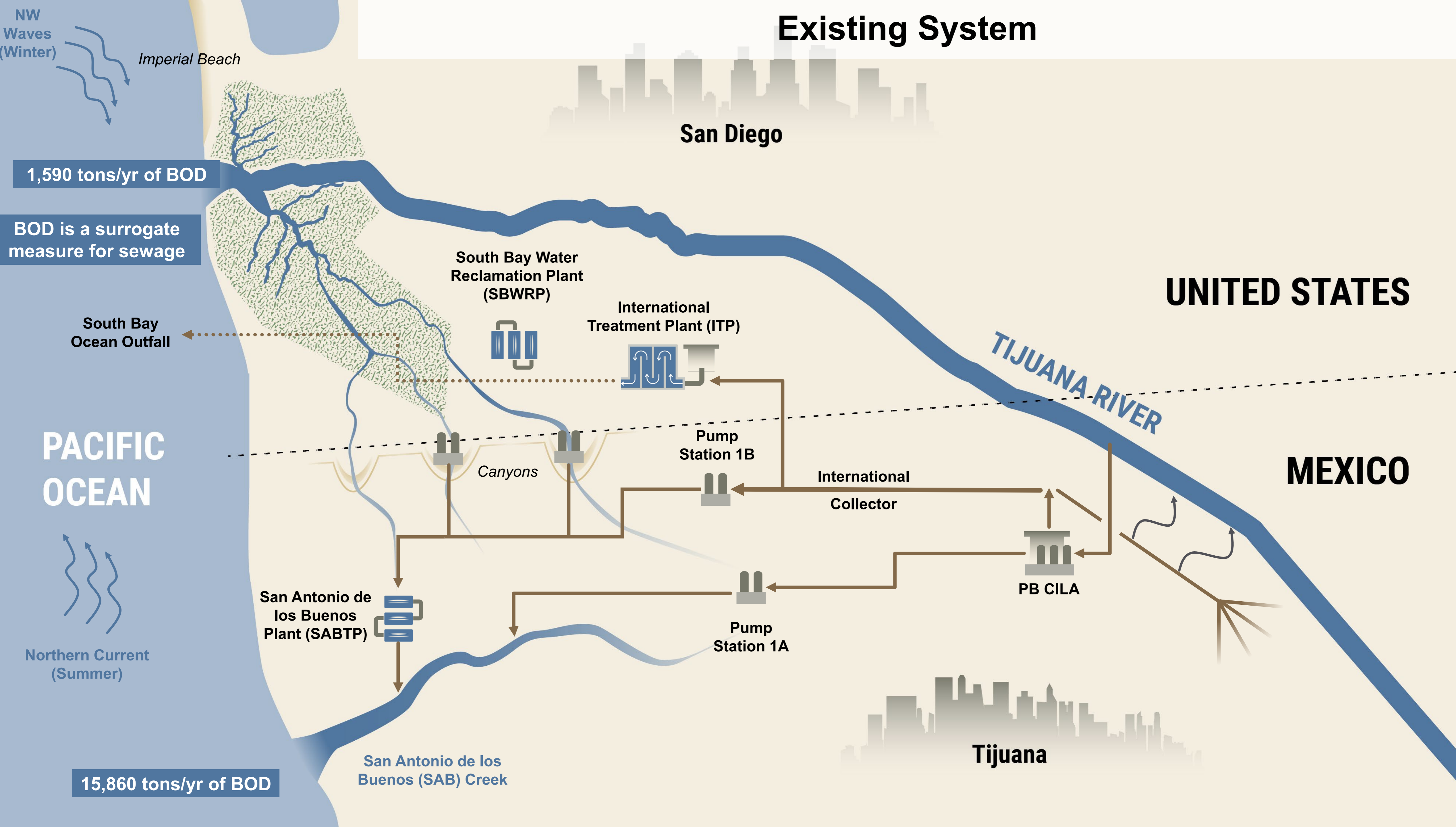
Pump Station 1A

Northern Current (Summer)

San Antonio de los Buenos (SAB) Creek

15,860 tons/yr of BOD

Tijuana



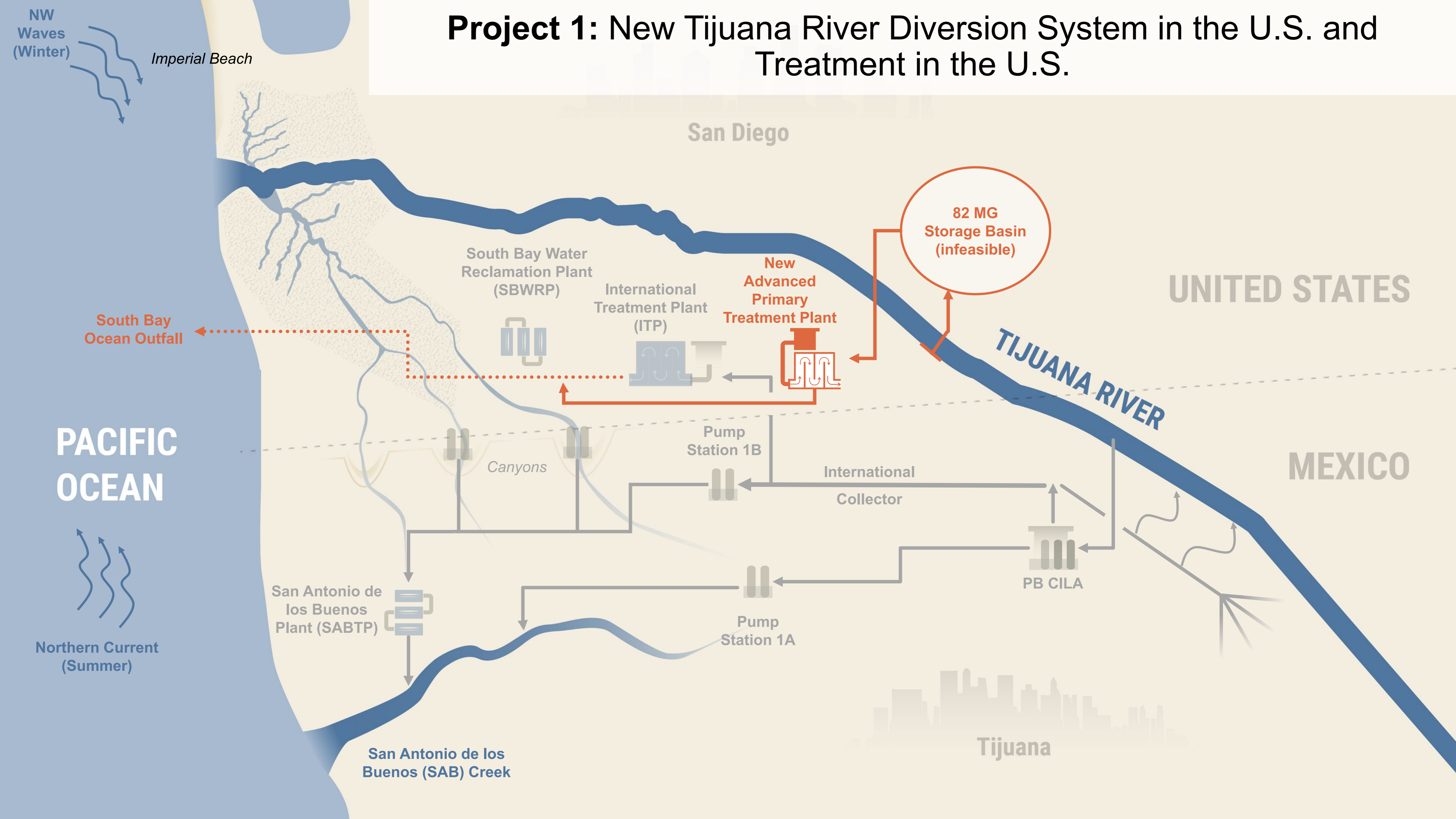
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Diverting & Treating River Water

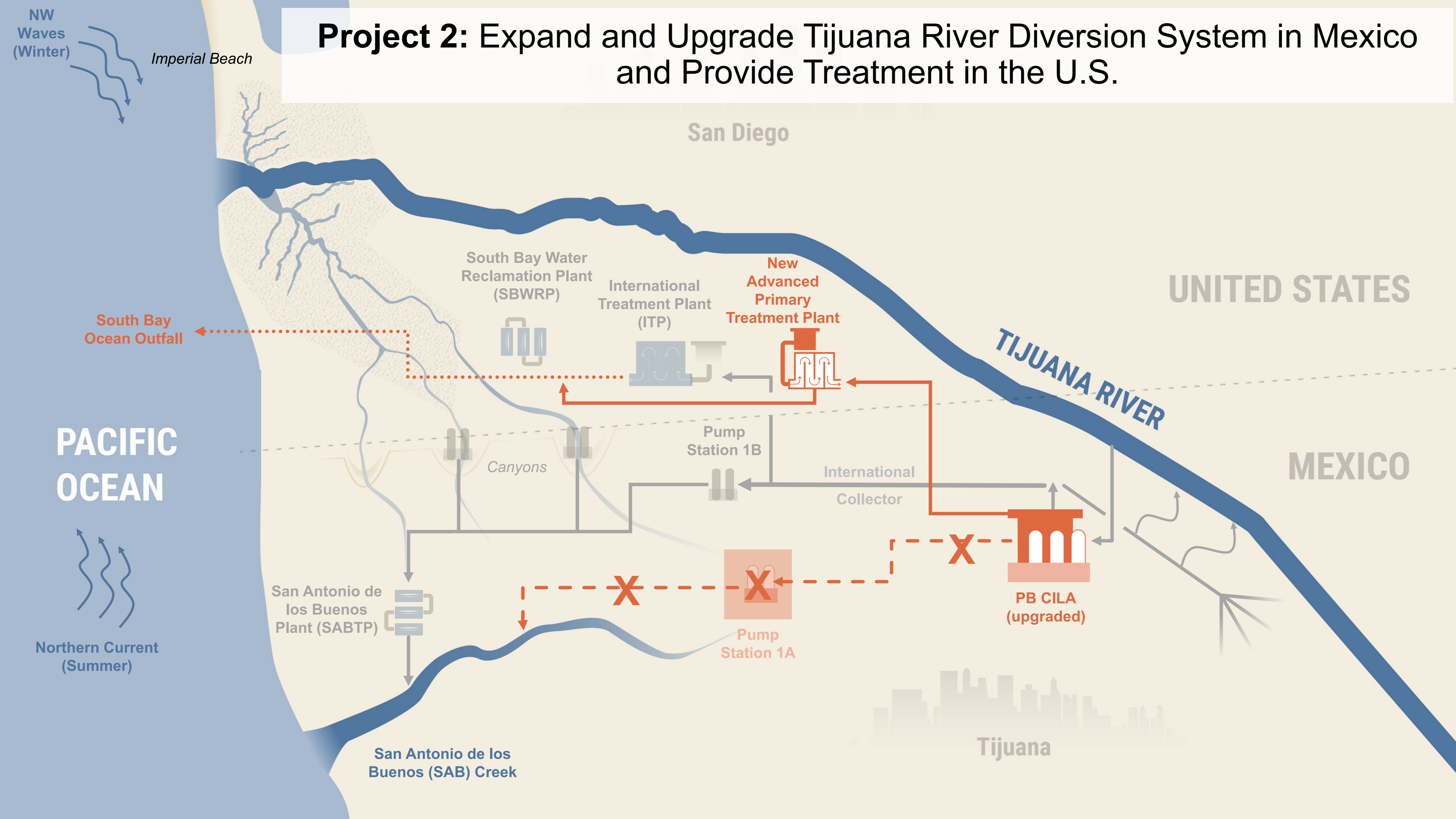
Projects 1, 2 & 7

Desviar y Tratar el Agua del Río (Proyectos 1,2 & 7)

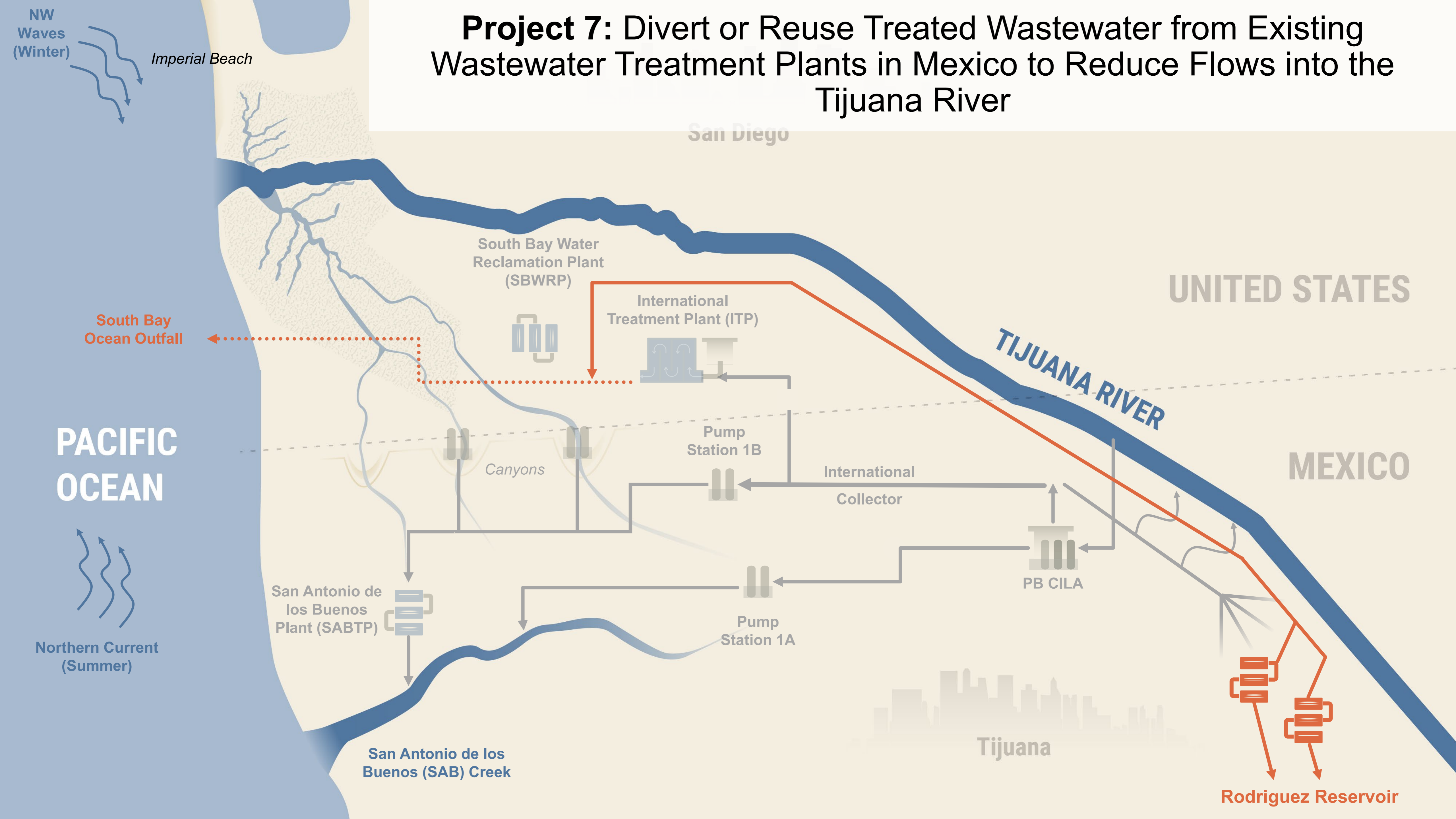
Project 1: New Tijuana River Diversion System in the U.S. and Treatment in the U.S.



Project 2: Expand and Upgrade Tijuana River Diversion System in Mexico and Provide Treatment in the U.S.



Project 7: Divert or Reuse Treated Wastewater from Existing Wastewater Treatment Plants in Mexico to Reduce Flows into the Tijuana River



NW Waves (Winter)

Imperial Beach

San Diego

South Bay Water Reclamation Plant (SBWRP)

International Treatment Plant (ITP)

South Bay Ocean Outfall

UNITED STATES

TIJUANA RIVER

PACIFIC OCEAN

Canyons

Pump Station 1B

International Collector

MEXICO

San Antonio de los Buenos Plant (SABTP)

PB CILA

Pump Station 1A

Northern Current (Summer)

San Antonio de los Buenos (SAB) Creek

Tijuana

Rodriguez Reservoir

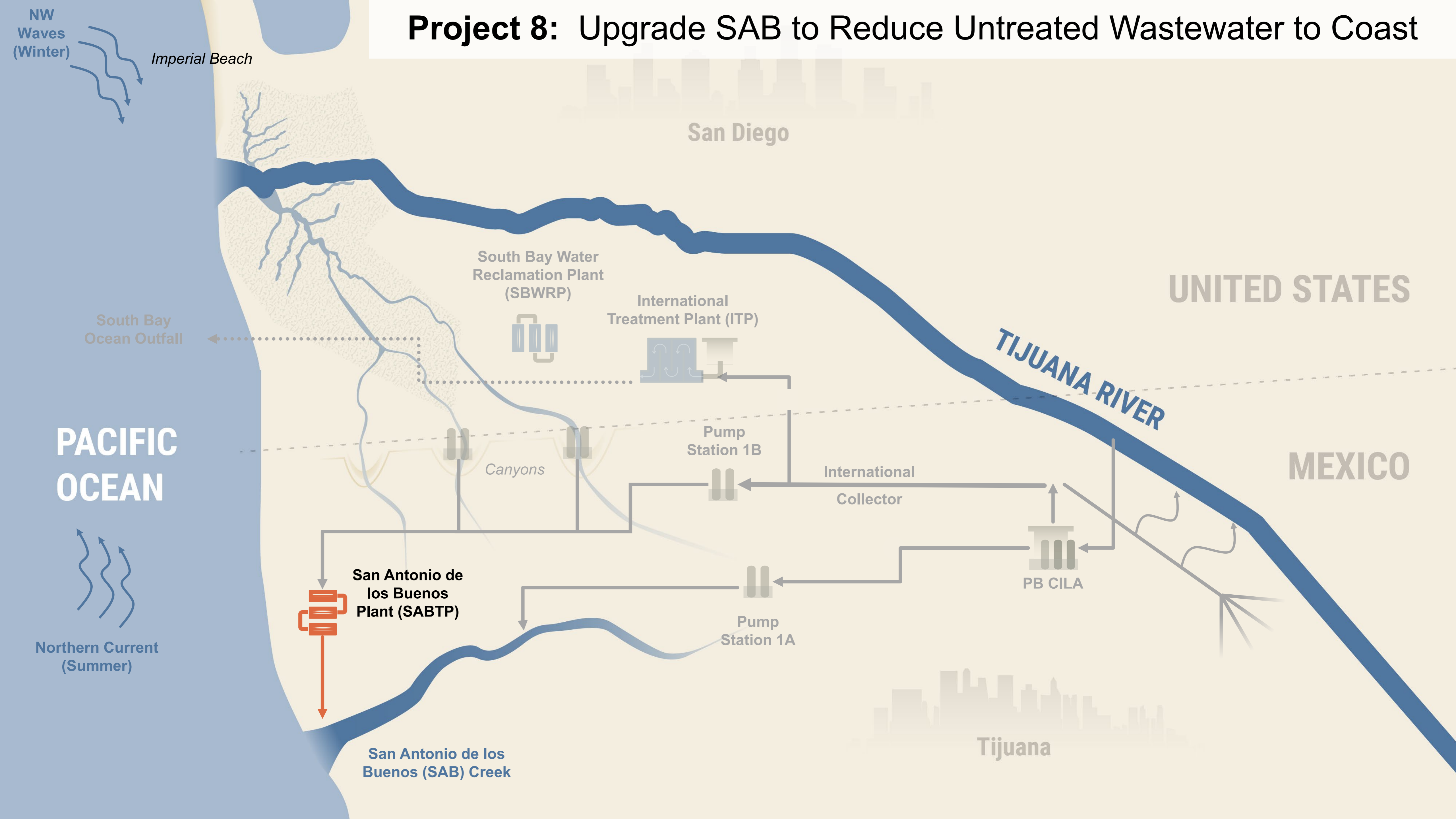
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Treating Sewage

Projects 8, 3 & 9

Tratamiento de aguas residuales (Proyectos 8, 3 & 9)

Project 8: Upgrade SAB to Reduce Untreated Wastewater to Coast



San Diego

UNITED STATES

MEXICO

TIJUANA RIVER

South Bay Water Reclamation Plant (SBWRP)

International Treatment Plant (ITP)

Pump Station 1B

International Collector

Canyons

PB CILA

Pump Station 1A

San Antonio de los Buenos Plant (SABTP)

San Antonio de los Buenos (SAB) Creek

Tijuana

PACIFIC OCEAN

Imperial Beach

NW Waves (Winter)

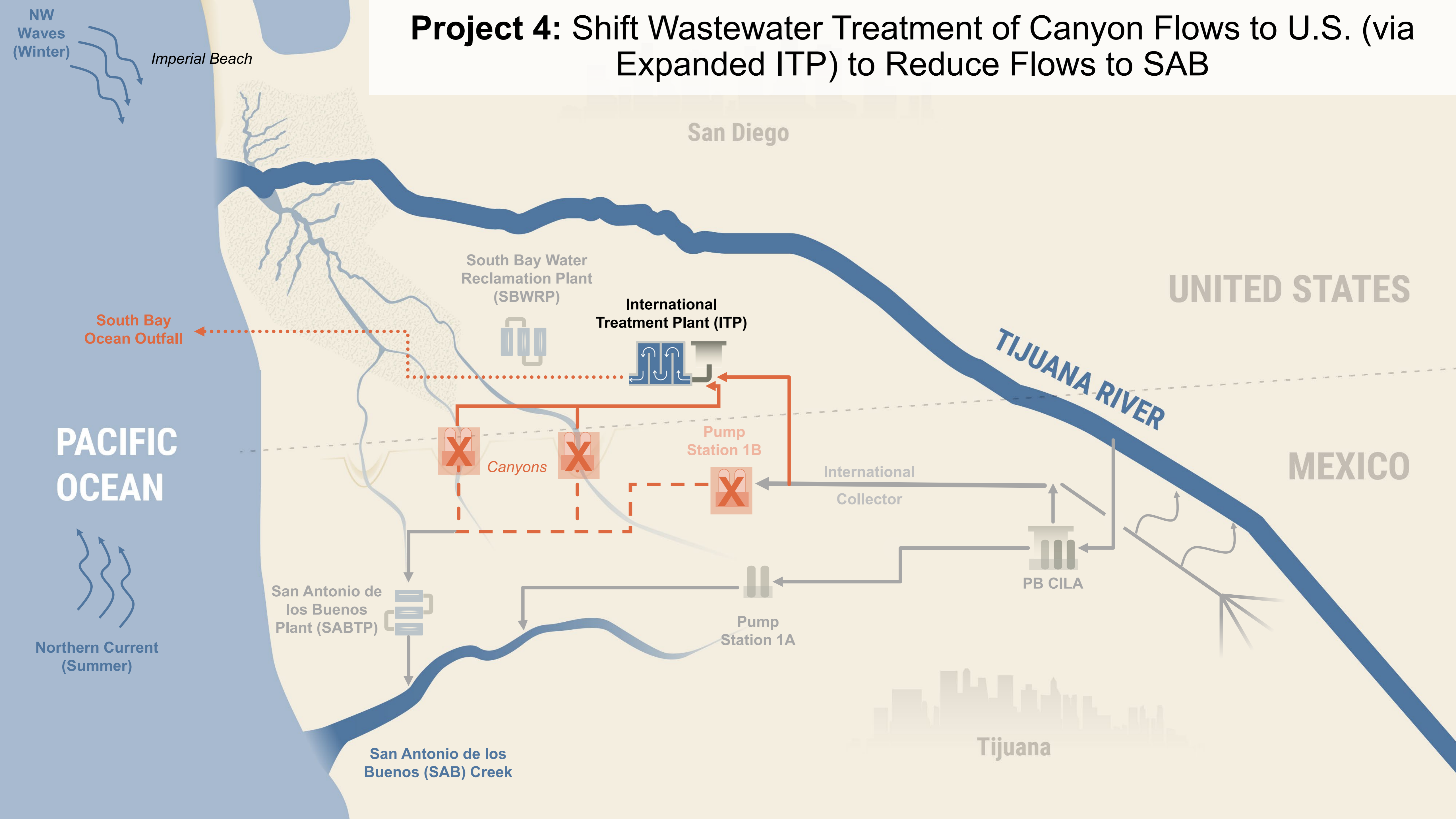
Northern Current (Summer)

South Bay Ocean Outfall

Project 3: Treat Wastewater from the International Collector at an expanded ITP



Project 4: Shift Wastewater Treatment of Canyon Flows to U.S. (via Expanded ITP) to Reduce Flows to SAB



NW Waves (Winter)

Imperial Beach

San Diego

UNITED STATES

South Bay Water Reclamation Plant (SBWRP)

International Treatment Plant (ITP)

South Bay Ocean Outfall

TIJUANA RIVER

PACIFIC OCEAN

MEXICO

X

Canyons

X

Pump Station 1B

International Collector

San Antonio de los Buenos Plant (SABTP)

Northern Current (Summer)

PB CILA

Pump Station 1A

San Antonio de los Buenos (SAB) Creek

Tijuana

Project 9: Treat Wastewater from the International Collector at the SBWRP



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Upgrading Sewage Collection in Mexico

Project 5

*Mejorando la colección de agua residuales en México
(Proyecto 5)*

Project 5: Enhance Mexico Wastewater Collection System to Reduce Flows into the Tijuana River



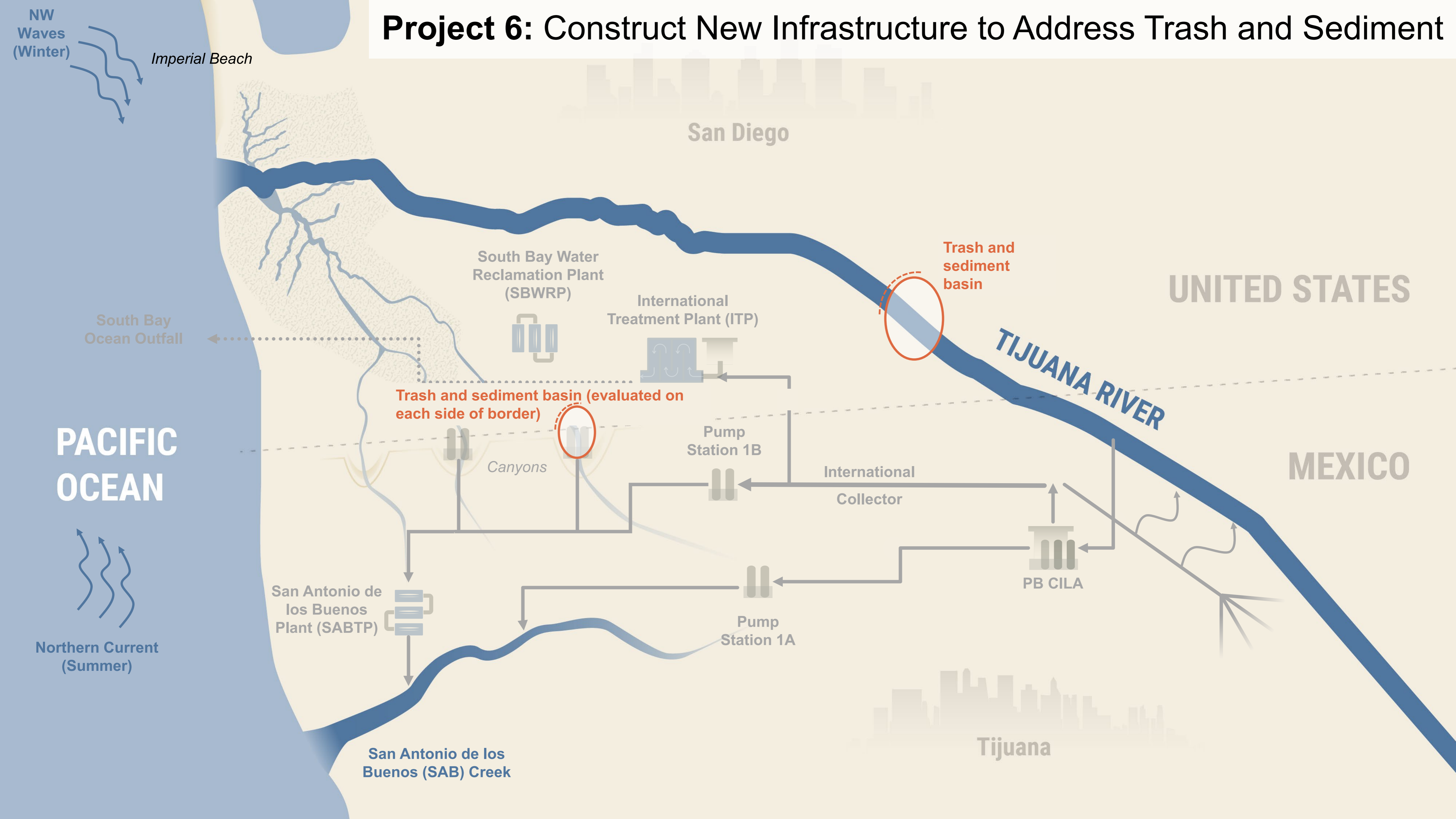
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Targeting Trash and Sediment Pollution

Projects 6 & 10

*Enfocando en la contaminación de basura y sedimentos
(Proyectos 6 & 10)*

Project 6: Construct New Infrastructure to Address Trash and Sediment



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Sediment and Trash Source Control

Project 10

Control de sedimentos y fuentes de basura (Proyecto 10)

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Comment Period

Período de Comentarios

Written & Oral: Post comments in the chat bar and/or raise your hand to make an oral comment

Email: Tijuana-Transboundary-EIS@epa.gov

Website: <https://www.epa.gov/sustainable-water-infrastructure/usmca-tijuana-river-watershed>

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Closing Remarks

Comentarios Finales

Dave Smith

Water Division Assistant Director, EPA Region 9

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Thank you
Gracias