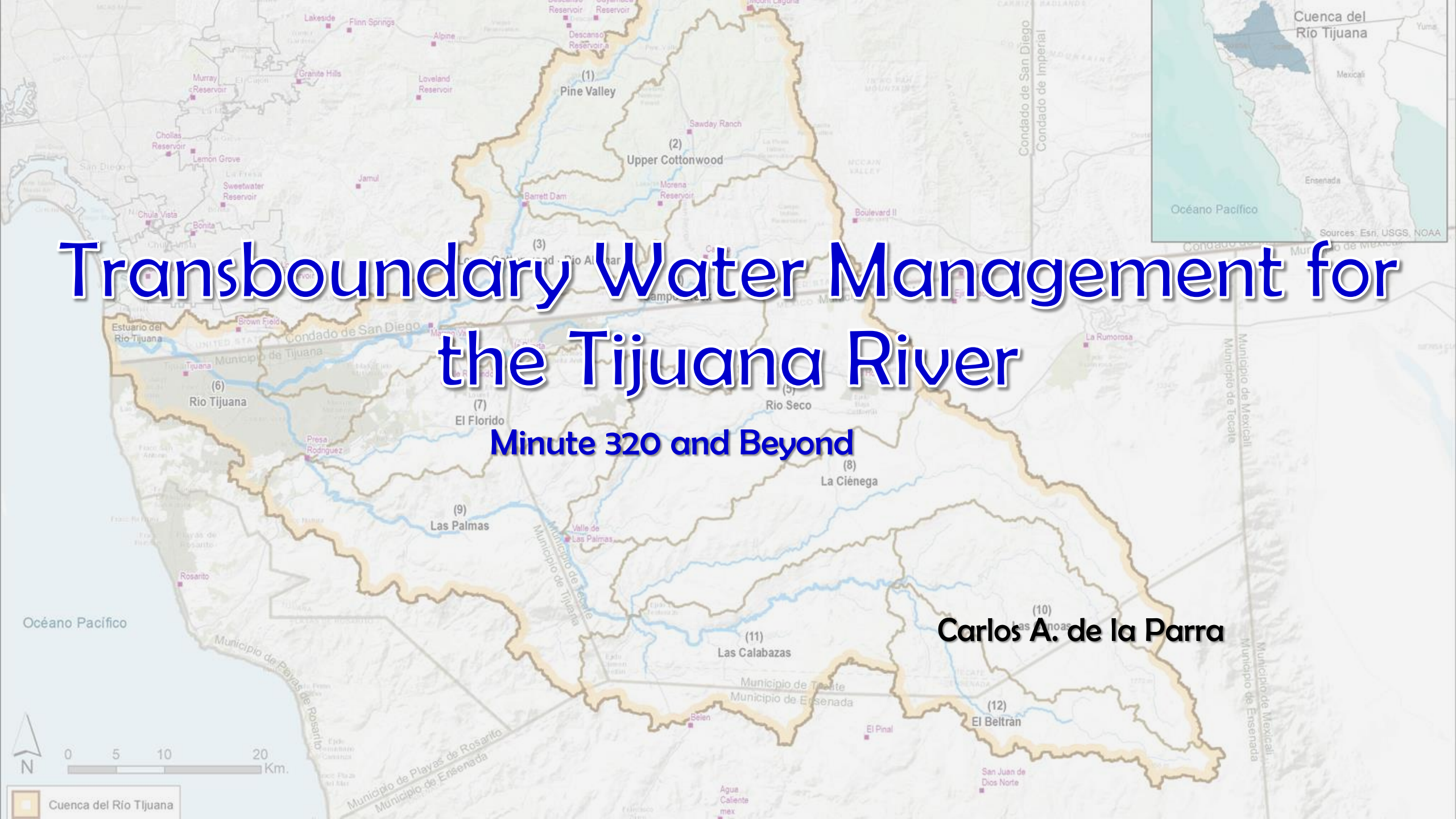


# Transboundary Water Management for the Tijuana River

Minute 320 and Beyond

Carlos A. de la Parra

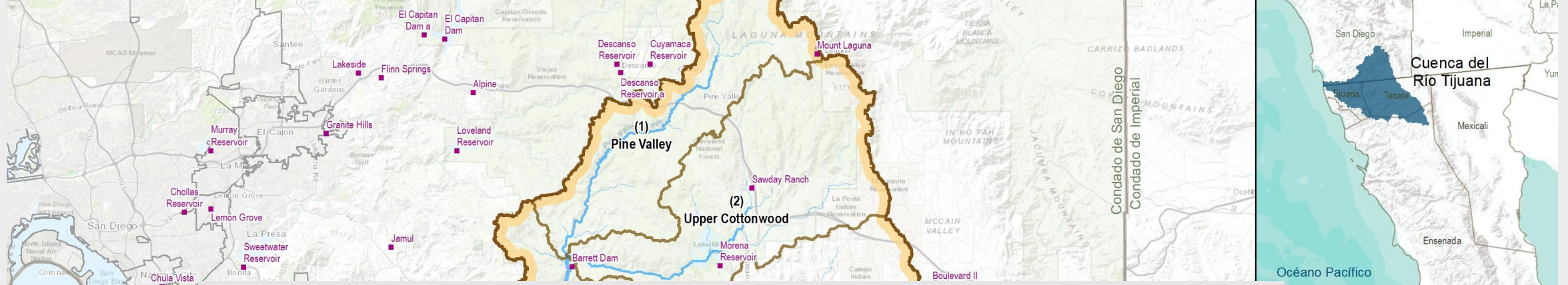


## 🔥 Cuencas Transfronterizas

- 🔥 Cuenca del Río Colorado (634,840 km<sup>2</sup>) ➔ México recibe 1,850 Hm<sup>3</sup> – 2,097 Hm<sup>3</sup>/año.
- 🔥 Cuenca del Río Bravo (444,560 km<sup>2</sup>) ➔ México recibe 74 Hm<sup>3</sup>/año, EUA recibe 431.7 Hm<sup>3</sup>/año.
- 🔥 Cuenca del Río Tijuana (4,424 km<sup>2</sup>)



# Registro Agrario Nacional - Catastro Rural

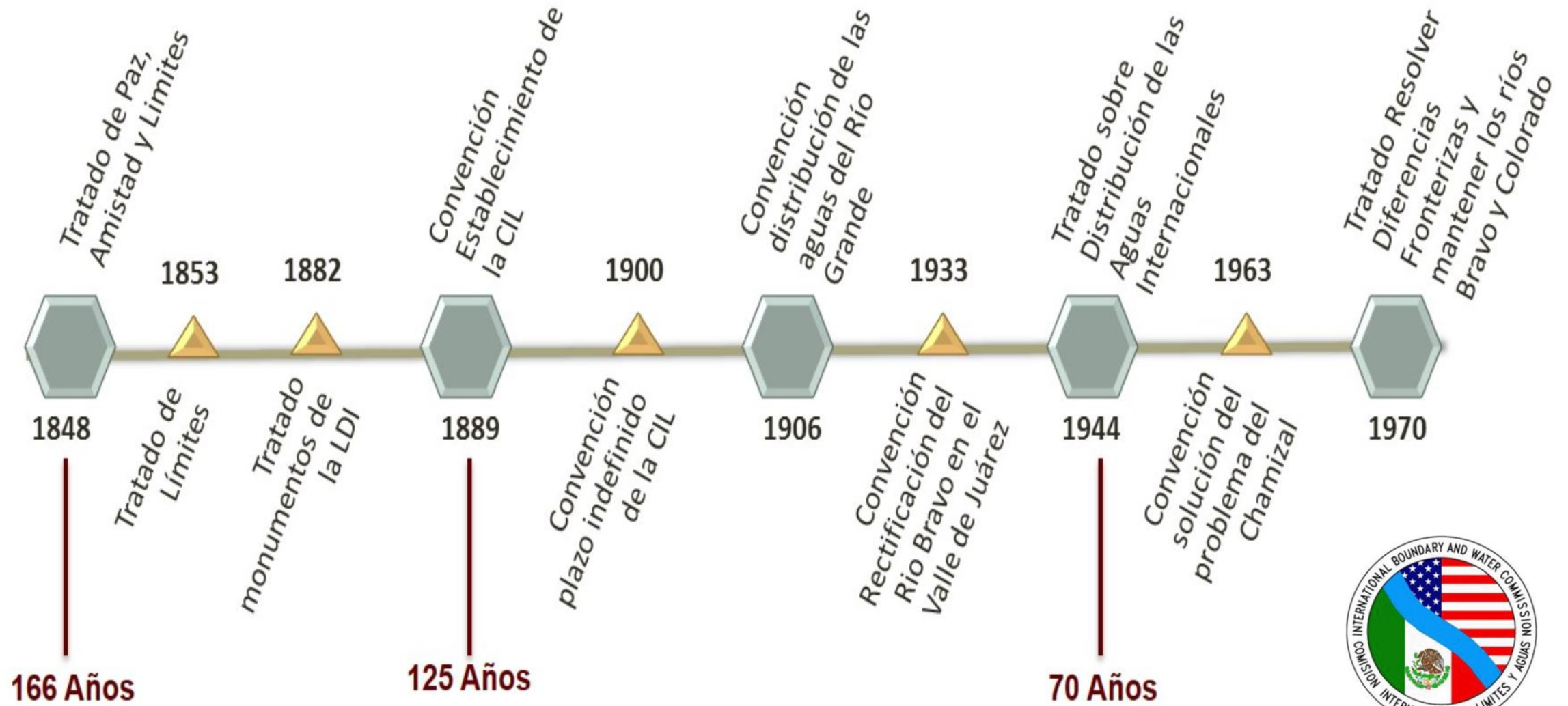


## Uniqueness of the Tijuana River Watershed

1. The geopolitical importance of the San Diego-Tijuana cross-border metropolitan area
2. Relatively small-scale, in contrast to Colorado and Rio Grande/Bravo
3. Absence of conflict or dispute for water



# History of the International Boundary and Water Commission



**BIENVENIDOS A LA INTRANET DE LA COMISIÓN INTERNACIONAL DE LÍMITES Y AGUAS ENTRE MÉXICO Y LOS ESTADOS UNIDOS SECCIÓN MEXICANA**



Oficinas Centrales en Cd. Juárez, Chih.

- Portal de la Sección mexicana de la CILA
- Boletines de Prensa emitidos por la Sección mexicana de la CILA
- Convocatorias y Contratos de la CILA MEX-EUA
- Sistema de Gestión de la Calidad de la Sección Mexicana de la CILA
- Fotomapas que conforman el Mosaico Aerofotográfico del Río Colorado y la Frontera Terrestre 2012



**International Boundary & Water Commission United States and Mexico United States Section Est. 1889**

**Welcome**

Our mission is to provide binational solutions to issues that arise during the application of United States - Mexico treaties regarding boundary demarcation, national ownership of waters, sanitation, water quality, and flood control in the border region.

**About Us**

The U.S. Section of the International Boundary and Water Commission (USIBWC), is headed by Commissioner Jayne Harkins, a federal government agency and the U.S. component of the International Boundary and Water Commission (IBWC), which applies the boundary and water treaties of the United States and Mexico and settles differences that may arise in their application. [More](#)

**IBWC News & Press Releases**

- 9/30/2019 Rio Grande Fish Habitat and Sediment Removal Projects on Agenda for October 10 Public Meetings in Las Cruces
- 9/26/2019 FY 2020 Absence of Appropriations Plan
- 9/25/2019 Amistad Dam Road to Close September 27th and 28th for Dam Maintenance
- 9/12/2019 Officials Celebrate Amistad Dam's 50<sup>th</sup> Anniversary
- 9/6/2019 Amistad Dam Road to Close September 11 - 12 for 50<sup>th</sup> Anniversary Ceremony
- 9/3/2019 Assessing Projects to Improve

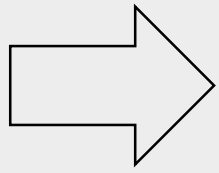
The Commission shall in all respects have the status of an international body, and shall consist of a United States Section and a Mexican Section. The head of each Section shall be an Engineer Commissioner. Wherever there are provisions in this Treaty for joint action or joint agreement by the two Governments, or for the furnishing of reports, studies...

njan en este Tratado.

La Comisión tendrá, plenamente el carácter de un organismo internacional y estará, constituida por una Sección de los Estados Unidos y por una Sección Mexicana. Cada Sección será encabezada por un Comisionado Ingeniero. Cuando en este Tratado se establece acción conjunta o el acuerdo de los dos Gobiernos

...in all respects have the status of an international body

**Manejo de aguas transfronterizas / Transboundary Water Management**



**“The jurisdiction of the Commission shall extend to the limitrophe parts of the Rio Grande (Rio Bravo) and the Colorado River, to the land boundary between the two countries, and to works located upon their common boundary.”**

**Article 2. 1944 U.S.-Mexico International Treaty**

# The Tijuana River in the 1944 Treaty

## (23 Minutes)

- SANITATION (4), Emergency connection, Parallel System, Waste treatment (1965 – 1999)
- WATER DELIVERY (15), Emergency delivery, Temporary delivery, Equipment (1972 – 2017)

### 1944, US-MX Water Treaty

○ Article 16: (rendered obsolete by growth)

- 1967, Channelization of river, (M.225)
- 1970, Channel construction approval (M.236)
- 1977, Modification of U.S. Portion of the Plan (M.258)
- 2015, Framework Minute 320

# Binational Governance: Early years (1967)

(English text of Minute 225 dated June 19, 1967)

INTERNATIONAL BOUNDARY AND WATER COMMISSION  
UNITED STATES AND MEXICO

El Paso, Texas,  
June 19, 1967.

MINUTE NO. 225

CHANNELIZATION OF THE TIJUANA RIVER

The Commission met in the offices of the United States Section at El Paso, Texas, at 10:00 a.m. on June 19, 1967, to consider the measures required for solu-

The Commission thereupon adopted the following resolution subject to the approval of the two Governments:

1. It is recommended that the two Governments approve the construction, operation and maintenance of an international flood control project for the Tijuana River of the type described in the Joint Report of the Principal Engineers which is made a part of the present Minute, with the reservation contained in paragraph 4 of this resolution.

# Binational Governance: Early years (1970)

INTERNATIONAL BOUNDARY AND WATER COMMISSION  
UNITED STATES AND MEXICO

Ciudad Juárez, Chih.,  
July 2, 1970.

MINUTE NO. 236.

CONSTRUCTION OF WORKS FOR CHANNELIZATION OF  
THE TIJUANA RIVER. -----  
-----

The Commission met in the offices of -  
the Mexican Section in Ciudad Juárez, Chi-  
huahua, at 10:00 a.m., on July 2, 1970, to

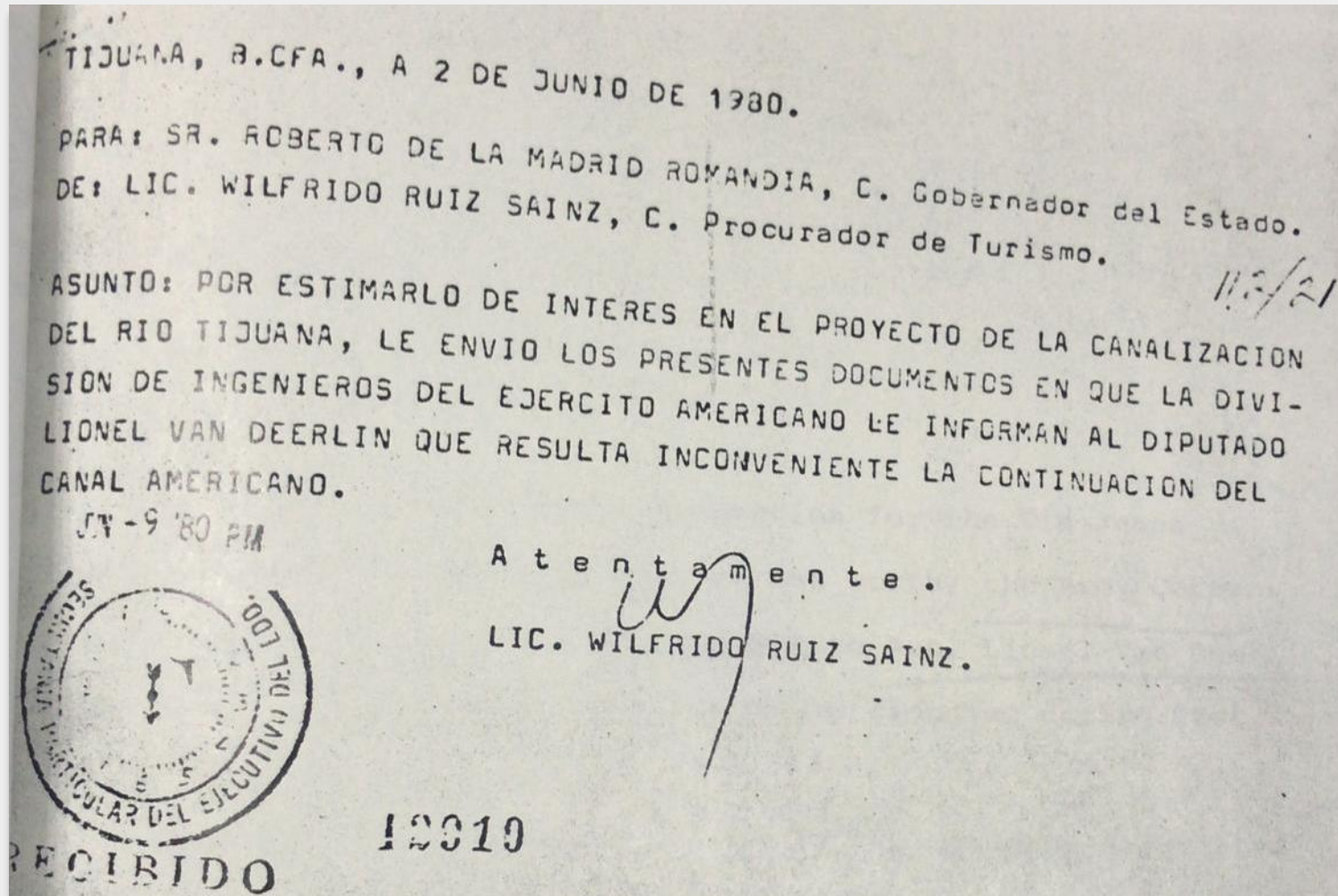
Consequently, the Commission adopted --  
the following resolution, subject to the ap-  
proval of the two Governments: -----  
-----

1. Point 4 of the resolution of Minute  
No. 225 of June 19, 1967 will be --  
applied only to the reach of the --  
channelization of the Tijuana River  
comprised within approximately ----  
1,312 feet (400 meters) upstream of  
the international boundary to ap- -  
proximately 1,312 feet (400 meters)  
downstream therefrom. -----  
-----  
-----

(Continued on Sheet 2)



# Binational Governance: Early years (1980)



Cable on June 2, 1980

to: Governor of Baja California

Roberto de la Madrid Romandía

“...I’m forwarding the following documents in which the U.S. Army Corps of Engineers informs Congressman Lionel Van Deerlin that continuing channelization is inconvenient.”

The rest is history



# A tale of two rivers



# A tale of two rivers



# River or drainage channel...?



# Chronicles of frustration or *Lessons in cause and effect*

The Border Environment Infrastructure Fund (BEIF), for project implementation, and the Project Development Assistance Program (PDAP), for project development, are grant programs funded by the U.S. Congress through the U.S. Environmental Protection Agency (EPA) and administered by NADB.



## Border Environment Infrastructure Fund (BEIF)

This program offers grant financing exclusively for the implementation of high-priority municipal drinking water and wastewater infrastructure projects located within 100 kilometers of the U.S.-Mexico border.

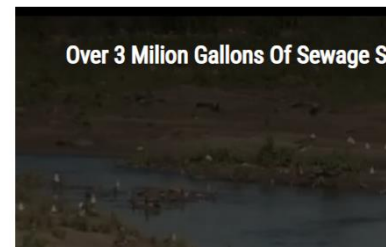
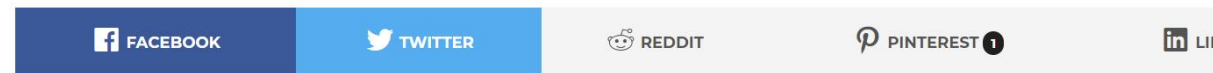


North American  
Development Bank



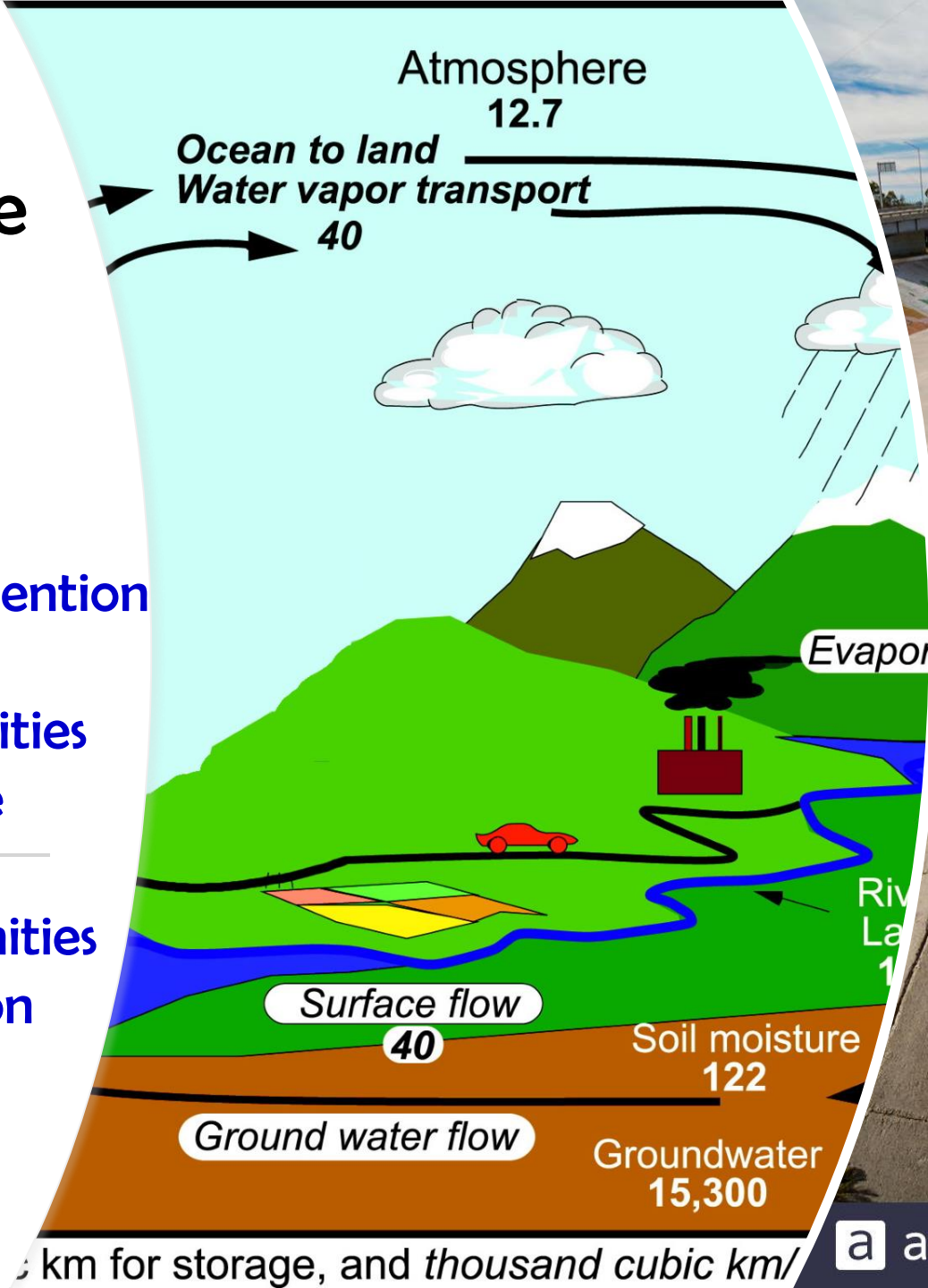
## Over 6 million gallons of sewage spill into Tijuana River

POSTED 4:12 PM, SEPTEMBER 12, 2019, BY KASIA GREGORCZYK AND CHRISTY SIMERAL, UPDATED AT 04:02PM, SEPTEMBER 13, 2019



# Taking stock of the ecosystem services from our common river

- Storm mitigation
- Sediment transport/retention
- Habitat creation
- Recreational opportunities
- Groundwater recharge
- Community and environmental amenities
- Temperature regulation
- Carbon sequestration
- Pollution control



# Exaltando el Espíritu del Río Tijuana

Iniciativa de Proyecto Urbano



## Negativa

La ciudad dividida, con suelo subutilizado y creando conflictos viales cada vez más graves, dada al falta de elementos de transporte alternativos; con una sociedad cada vez más alterada y sin identificación. Se provoca cada vez más la individualidad y la violencia al no tener apego a la tierra y a la convivencia social



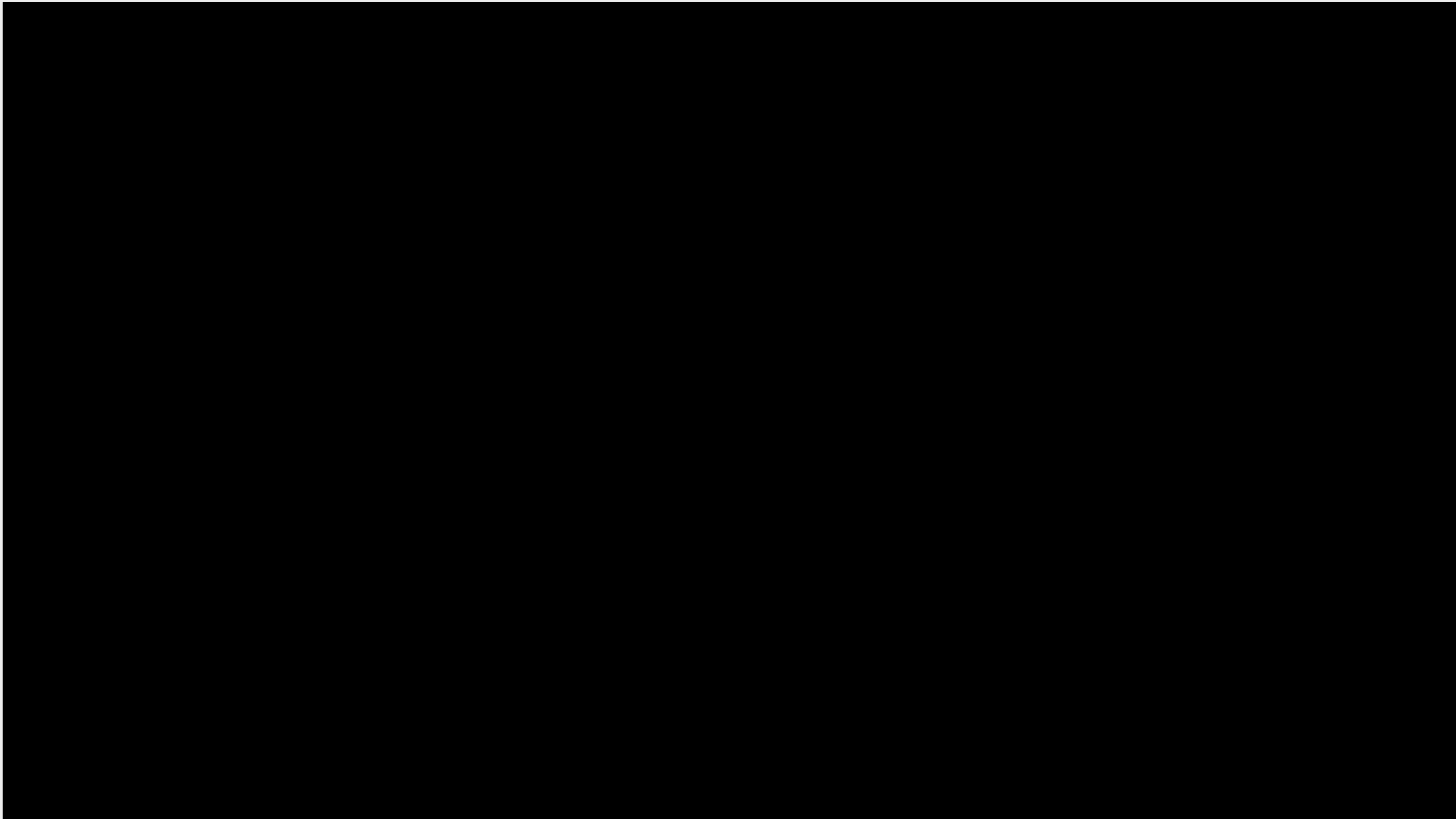
## Positiva

La cicatriz urbana representada por la cirugía mayor realizada a la ciudad de Tijuana que hizo posible la urbanización de la denominada Zona Río y que además ha protegido de inundaciones a esta ciudad, se ha borrado mediante acciones que han preservado la protección y han agregado un espacio adecuado y sustentable que genera orgullo a los ciudadanos y revive las tradiciones y el respeto por el entorno.

## La Visión

Plan Estratégico de Consolidación







[ABOUT US](#)

[TAKE ACTION](#)

[ADVOCATE](#)

[EDUCATE](#)

[EXPERIENCE](#)

[OUR NEWS](#)

[DONATE](#)

# CRACK THE CONCRETE

Together we will liberate the River and reclaim our connection to nature. Are you ready to Crack the Concrete?

[LEARN MORE](#)

## EVENTS FOR WEEK OF JULY 8, 2019

[« Previous](#)

[Next »](#)


Mon 8th	Tue 9th	Wed 10th	Thu 11th	Fri 12th	Sat 13th	Sun 14th
No Events Today	<b>ULART WORKSHOP: SYLMAR</b> July 9 @ 6:00 pm - 8:00 pm Discovery Cube-Sylmar	<b>BATS AND BREWS</b> July 10 @ 8:00 pm - 10:00 pm Frogtown Brewery	<b>ULART WORKSHOP: GLENDALE</b> July 11 @ 6:30 pm - 8:30 pm DreamWorks Animation	No Events Today	<b>NATURE WALK</b> July 13 @ 9:00 am - 10:30 am La Colombe	<b>NATURE WRITING WORKSHOP</b> July 14 @ 9:00 am - 11:30 am Lewis MacAdams Riverfront Park
	<b>GCPNC MONTHLY BOARD MEETING</b>	<b>HENPAR COMMITTEE MEETING</b>	<b>AVNC BOARD MEETING</b>			<b>39TH ANNUAL</b>

# Río Santa Catarina, Monterrey, N.L.



Cheonggyecheon River, Seoul, Korea.

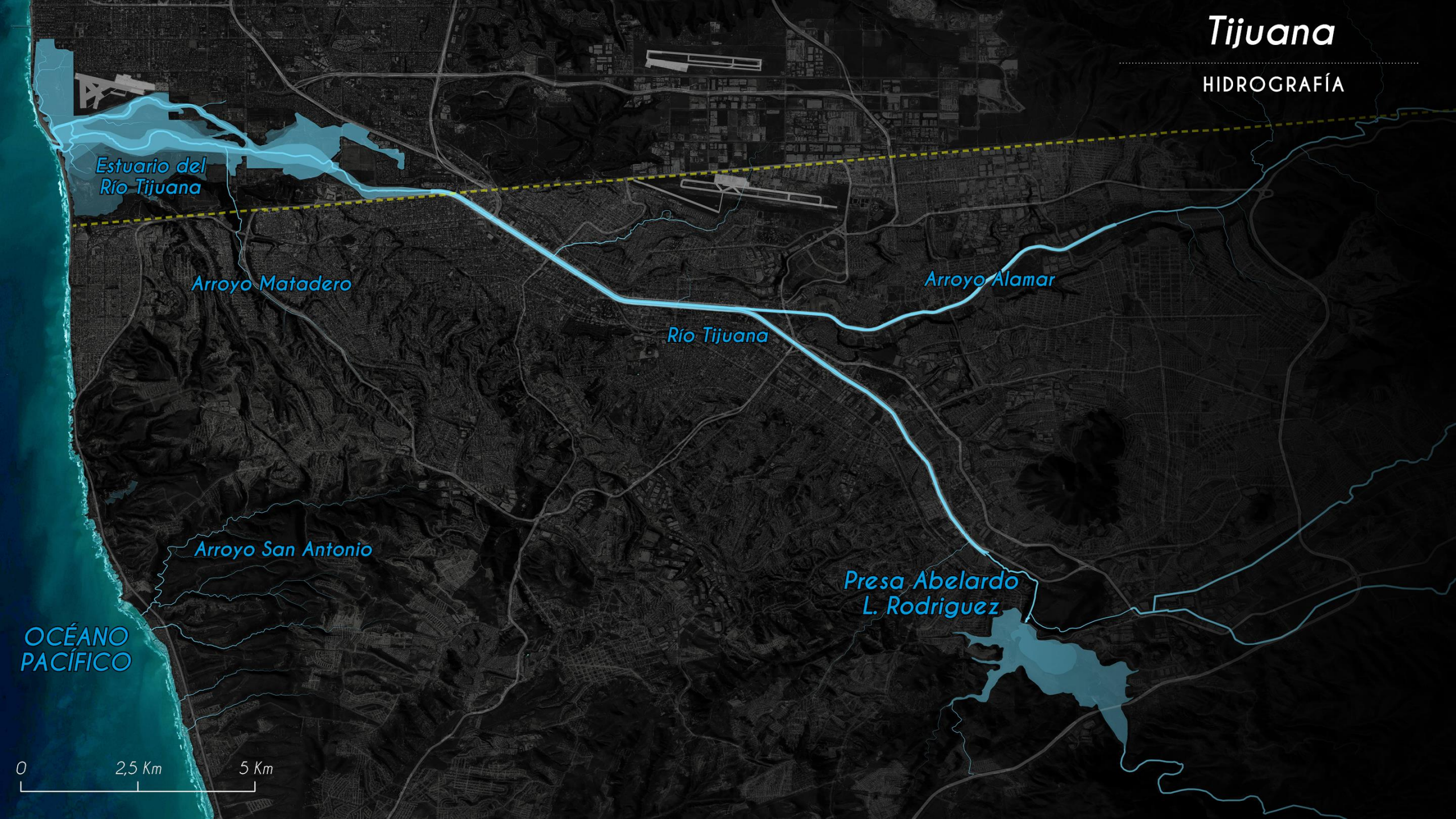




TIJUANA  
CIUDAD-RÍO

# Tijuana

## HIDROGRAFÍA



Estuario del  
Río Tijuana

Arroyo Matadero

Río Tijuana

Arroyo Alamar

Arroyo San Antonio

Presa Abelardo  
L. Rodríguez

OCÉANO  
PACÍFICO



An aerial photograph of Tijuana, Mexico, with a glowing blue river flowing through the city. A yellow dotted pattern highlights a specific urban area along the river. A dashed yellow line runs horizontally across the top of the map. The background shows the city's grid, surrounding green hills, and the ocean on the left.

# TIJUANA *Proyecto Ciudad-Río*

*UN PROYECTO PARA MEJORAR LA COMPETITIVIDAD URBANA,  
LA SOSTENIBILIDAD AMBIENTAL Y LA CALIDAD DE VIDA*

# GRUPO BASE BINACIONAL (GBB)

# BINATIONAL CORE GROUP (BCG)



## Cuenca del Río Tijuana Tijuana River Watershed

INTERNATIONAL BOUNDARY AND WATER COMMISSION  
UNITED STATES AND MEXICO.

Tijuana, Baja California  
October 5, 2015

MINUTE NO. 320

GENERAL FRAMEWORK FOR BINATIONAL COOPERATION ON  
TRANSBOUNDARY ISSUES IN THE TIJUANA RIVER BASIN

The Commission met at the Centro Cultural Tijuana facilities in Tijuana, Baja California at 6:00 p.m. on October 5, 2015 for the purpose of considering the general framework for binational cooperation between the United States and Mexico on transboundary issues in the Tijuana River Basin.



# Grupo Base Binacional (GBB) / Binational Core Group (BCG)

## El Acta 320, sobre el GBB:

- convocatoria y gestión,
- medidas de cooperación;
- propuesta de estudios necesarios;
- definición de obras prioritarias,
- Información a la comunidad
- monitoreo para evaluar avances

## Minute 320, on the BCG :

- Convene stakeholders
- Define cooperative measures
- Propose all studies needed
- Define construction needs
- Engage in community outreach
- Monitor progress

## Introducción

- Un grupo de membresía local/regional, de actores activos en el manejo del agua en la CRT desde distintos sectores,
- Un grupo proactivo, ejecutivo, con capacidad de análisis y toma de decisiones,
- Un grupo con membresía fija, sujeto a un reglamento interno

## Introduction

- A group with local/regional membership, active in water management in the TRW from different sectors,
- A proactive, executive group with capacity for analysis and decision making,
- A group with fixed membership, subject to internal by laws

# Integrantes



Comisionado, Sección México



Director del Organismo de Cuenca de la Península de Baja California



Titular SIDURT Baja California

Alcalde/Representante Gobierno Local



# Members



Commissioner, U.S. Section



Region 9, Office of Water



Secretary/Representative

Mayor/Representative Local Government

ONG

SECTOR ECONÓMICO

Academia

NGO

PRIVATE SECTOR

ACADEMIA

No podrán intervenir representantes



International Boundary and Water Commission  
Comisión Internacional de Límites y Aguas



Río Colorado  
(Gpo.Seg.Acta 323)

Río Bravo

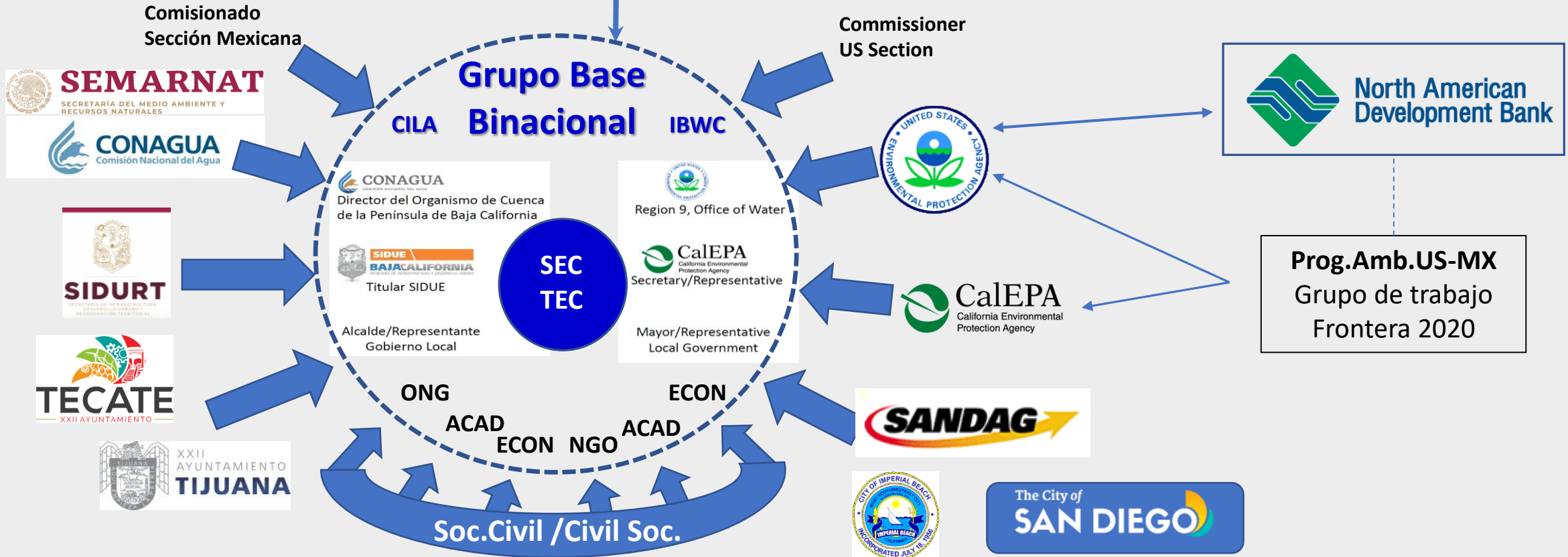
Río Tijuana  
(Acta 320)

**Grupo Base Binacional Composición:**

- 14 integrantes (7 de MX; 7 de EE.UU.)
- Representaciones oficiales (federal, estatal y local) nombrarán representante titular y suplente
- Representantes del público son a título personal (no institucional)

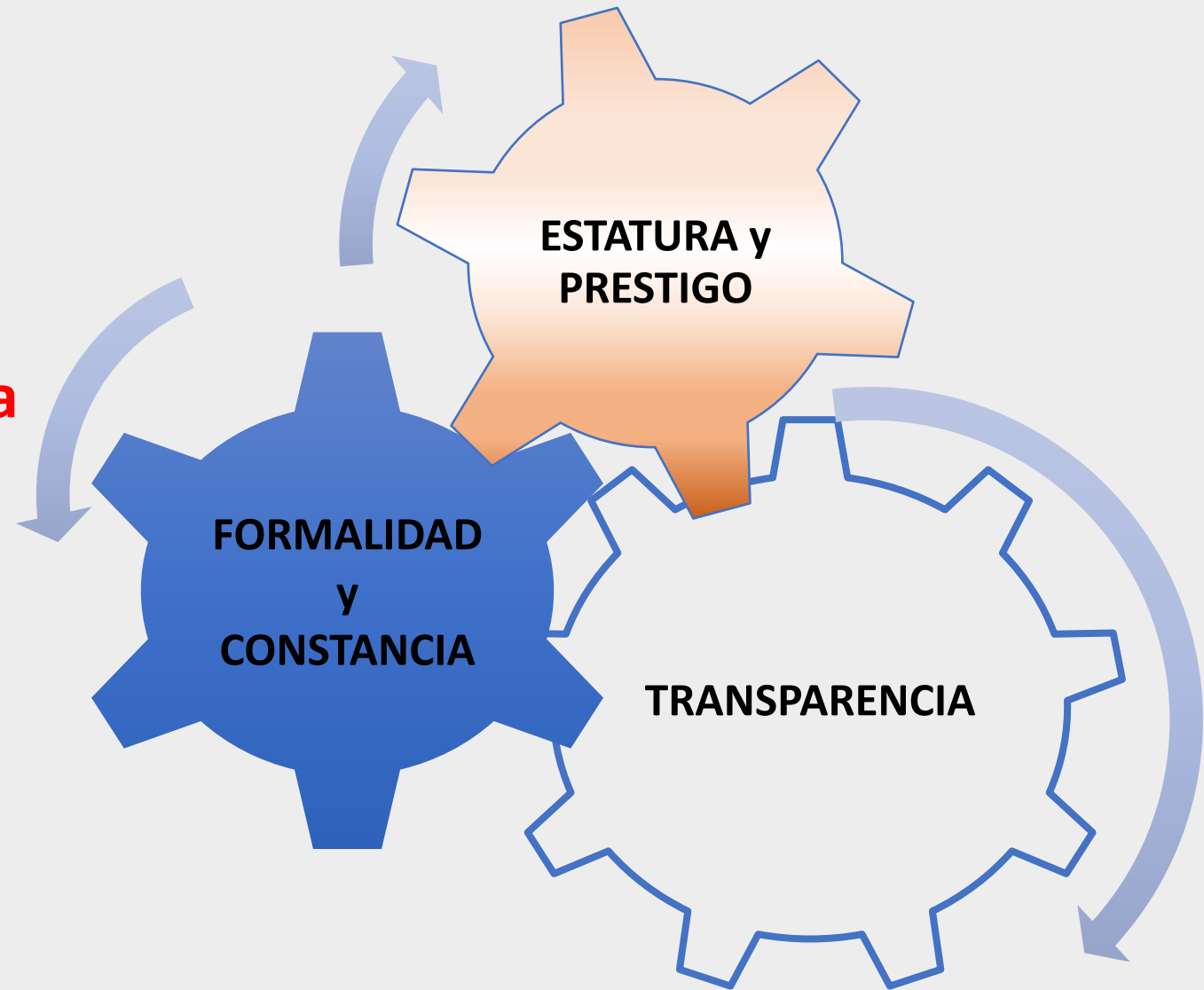
**Binational Core Group Composition:**

- 14 members (7 from US; 7 from MX)
- Official members (federal, state and local) will name designee and alternate
- Public members are personal appointments (not institutional)

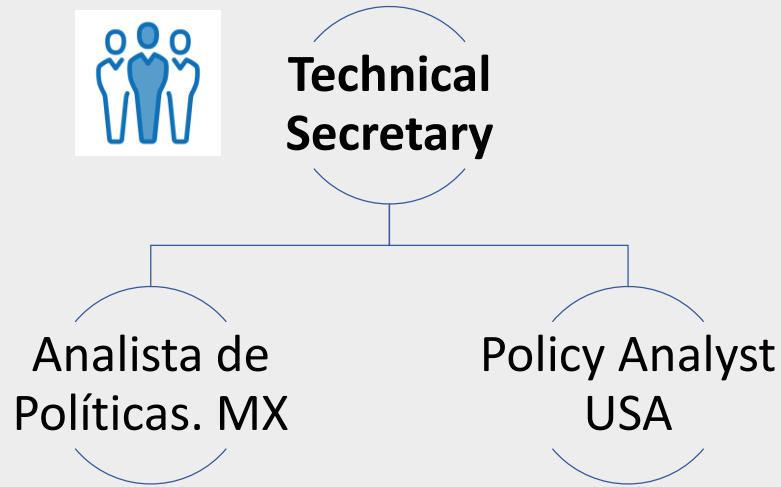


## Tres atributos importantes para garantizar el éxito

- Participación **directa y decidida** de los designados (Gobiernos, ONGs, Academia, sector económico)



# Technical Secretariat



- Technical Secretary appointed by the Commission for 3 – 4 years, [Possible renewal, for 1 period](#)
- Nationality of Technical Secretary may alternate.

1. Organize agenda and provide follow-up to issues for the BCG
2. Coordinate all logistics for BCG meetings
3. Provide support, management, for BCG private and public sessions
4. Maintain communication between BCG members
5. Act as custodian to the official archives for all Minute 320 minutes
6. Develop and maintain a website with basic documents,
7. Support the technical working groups established under Minute 320,
8. Ensure coordination between BCG and Working Groups (WG)
9. Convene stakeholders' groups from the watershed to establish channels of communication
10. Organize public outreach materials on the watershed, Minute 320, and other subjects of interest

## SESIÓN PÚBLICA

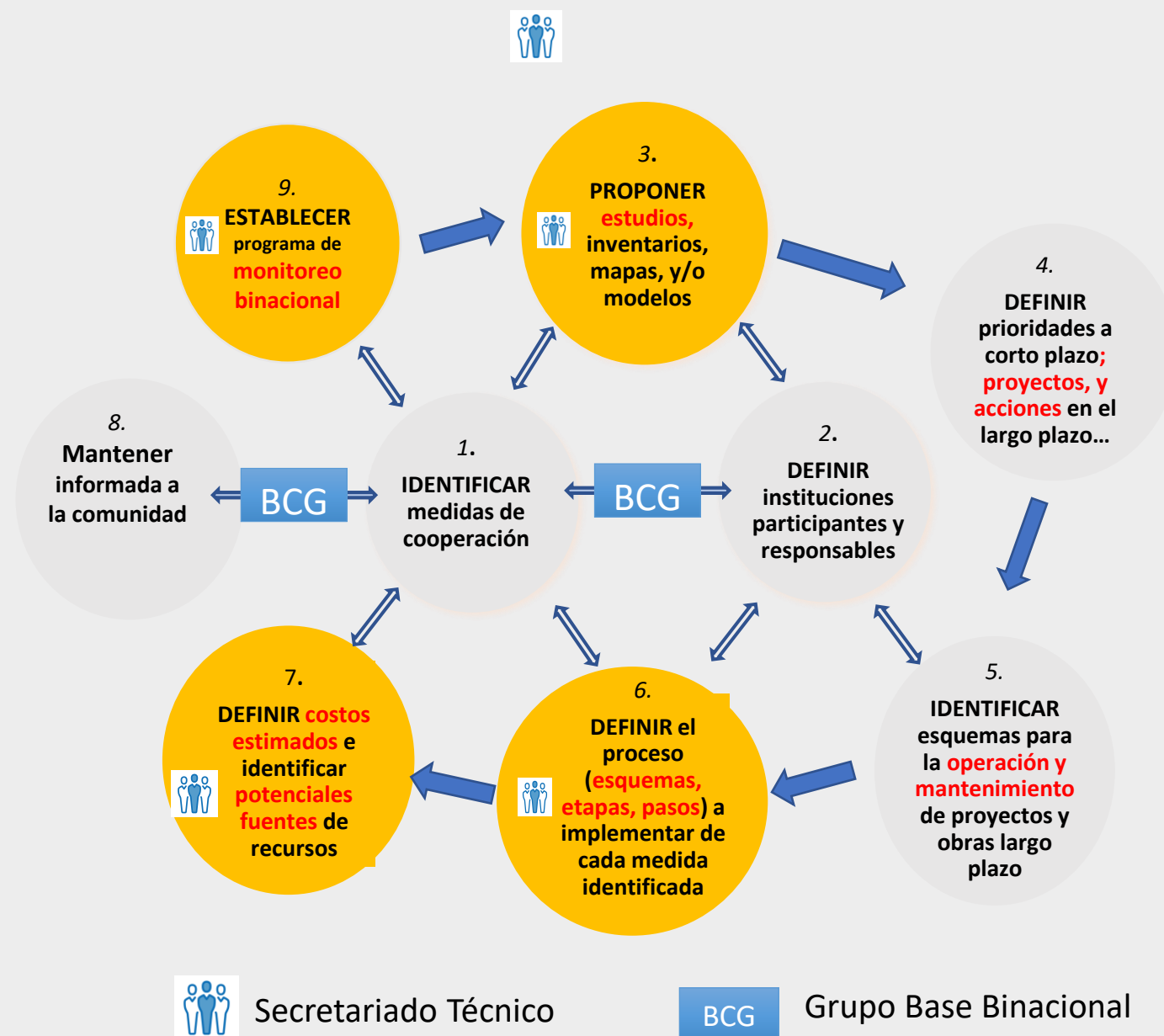
### PROPÓSITO/CARÁCTER

- Un proceso de diálogo, rendición de cuentas y participación pública abierto, incluyente
- Para todos los actores en la cuenca hagan propuestas y se manifiesten públicamente.

## SESIÓN DE TRABAJO

### PROPÓSITO/CARÁCTER

- Revisar información y datos disponibles
- Recibir testimonio de individuos o instituciones
- Explorar alternativas
- Encabezar un proceso ejecutivo de toma de decisiones
- Alcanzar acuerdos vinculantes



# Comentarios finales:

- CRT: única Cuenca de la frontera MX-US que no presenta conflicto por agua
- Es difícil evitar los efectos si no se atiende las causas
- Es una sola y la misma cuenca
- ¿Cuáles son los objetivos comunes en la CRT?
- ¿Cómo nos proponemos lograrlos?



## Resumen del marco estratégico



### Visión

El Banco de Desarrollo de América del Norte es una institución líder en la cooperación binacional, catalizando inversiones en infraestructura ambiental para lograr un desarrollo sustentable en las comunidades que atiende mediante soluciones ejemplares e innovadoras, tanto financieras como técnicas y ambientales, que satisfacen los estándares más altos.

### Misión

Proporcionar financiamiento y asistencia, tanto técnica como otra índole, para el desarrollo y la ejecución de proyectos de infraestructura ambiental que contribuyan a preservar, proteger y mejorar el medio ambiente de la región fronteriza e incrementar el bienestar de la población de México y de Estados Unidos.

### Objetivos estratégicos



SO1: Optimizar el impacto en las comunidades a través de soluciones ambientales



SO2: Generar capacidad financiera



SO3: Mejorar la eficacia estratégica



SO4: Fortalecer la alineación interna



SO5: Promover el valor estratégico del BDAN

# Acercamiento con el BDAN:



## • Proyectos de infraestructura

North American Development Bank

About NADB | Infrastructure Financing | Our Projects | Our Impact | Knowledge & Resources

### Infrastructure Projects

Location: All Locations | Sector: Public transportation | Funding Program: All Programs | Status: All Statuses | Year Certified: All Years | Closeout Report

Certified	Location	Status
September 13, 2016	Border-wide, Mexico	In process →
June 24, 2014	Border-wide, Mexico	In process →

Receive the L B Name Email →

• Gracias