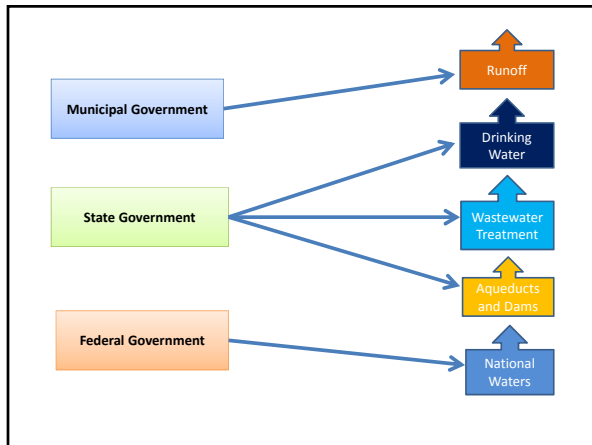


**Water Quality Management in the Tijuana River Watershed:**  
*an overview of Mexican Local, State and Federal resource management agencies*

Oscar Romo ©

### Mexico's water management history

- Secretaria de Fomento y Colonización ,1877
- Dirección de Aguas, Tierras y Colonización, 1917
- Comisión Nacional de Irrigación, 1926
- Secretaría de Recursos Hidráulicos, 1946
- Secretaría de Agricultura y Recursos Hidráulicos, 1976
- Secretaría de Medio Ambiente, Recursos Naturales y Pesca (1994-2000)
- Secretaría de Medio Ambiente y Recursos Naturales (2000-Present)



### Tijuana Municipal Agencies

- Municipal Secretariat of Urban Development
- Municipal Secretariat of Social Development
- Municipal Direction of Environmental Protection
- Metropolitan Planning Institute

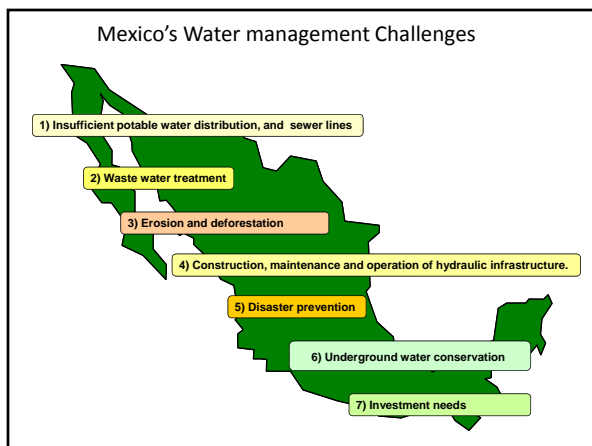
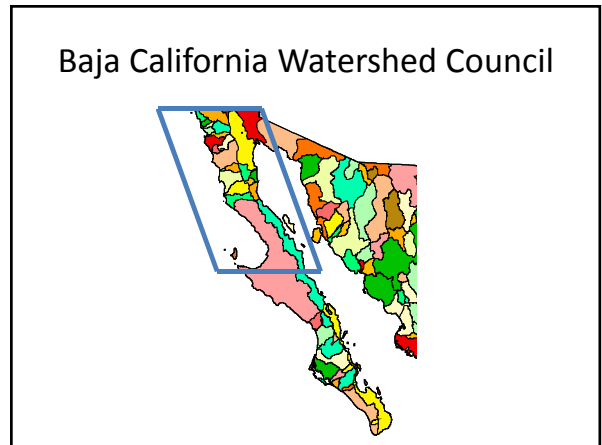
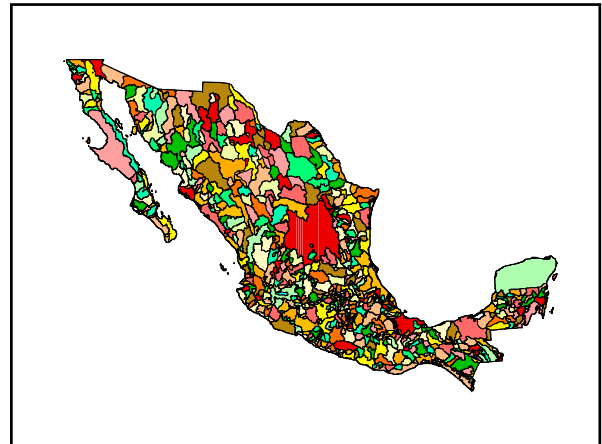
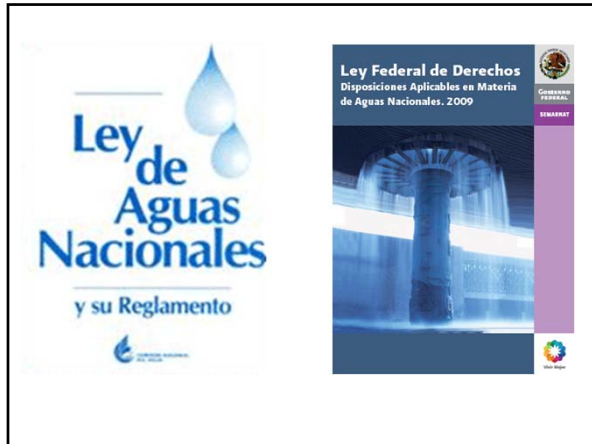
### Baja California State Agencies

- State Water Commission
- State Water Commission for Public Services
- State Environmental Protection Agency
- State Secretariat for Urban Development
- State Secretariat for Social Development

### Federal Agencies

- Ministry of the Environment and Natural Resources
  - National Water Commission
- Ministry of Social Development
- Ministry of Foreign Affairs
  - International Boundary and Water Commission, Mexican Section





- U.S./Mexico Agreements**
- 1848 Guadalupe Hidalgo Treaty
  - 1853 Gadsden Treaty (Temporary IBWC)
  - 1882 Convention (Temporary IBWC)
  - 1905 Banco Convention (Colorado and Grand Rivers)
  - 1944 Water Treaty
  - 1983 La Paz Agreement
  - 1989 Minute 279
  - 1994 NAFTA (environmental side agreements)
    - NadBank
    - BECC
    - CEC



- Oldest binational organization in the America's
- Build and supervises border crossings, and environmental infrastructure projects for border communities
- Manages and deliver water from shared resources

### NAFTA Organizations

- Border Environment Cooperation Commission
- North American Development Bank
- Commission for Environmental Cooperation





### TRW Bi-national challenges

- Tecate creek crosses the international boundary 4 times
- All the water falling in the northern section of the TRW flows into Mexico before returning to the U.S. at the TRV
- Water rights
- Water scarcity

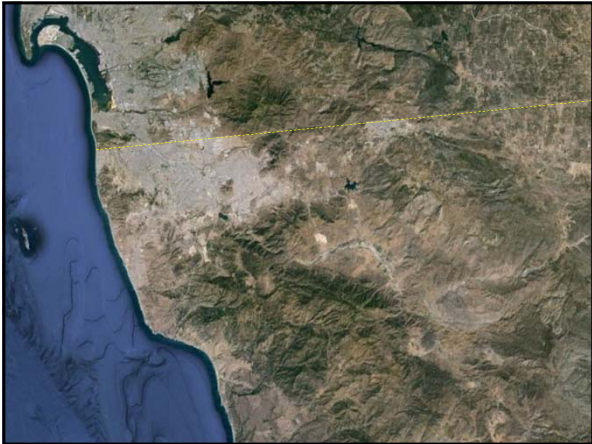
- IRWM Plan Vision
- *An integrated, balanced, and consensus-based approach to ensuring the long-term sustainability of the Region's water supply, water quality, and natural resources.*

- IRWM Plan Mission
- *To develop and implement an integrated strategy to guide the Region toward protecting, managing, and developing reliable and sustainable water resources. Through a stakeholder-driven and adaptive process, the Region can develop solutions to water-related issues and conflicts that are economically and environmentally preferable, and that provide equitable resource protection for the entire Region.*

- ### IRWM Plan Goals
- Improve the reliability and sustainability of regional water supplies.
  - Protect and enhance water quality.
  - Protect and enhance our watersheds and natural resources.
  - Promote and support sustainable integrated water resource management.

- ### IRWM Plan Objectives
- **Objective A** - Encourage integrated solutions to water management issues and conflicts
  - **Objective B** - Maximize stakeholder and community involvement and stewardship
  - **Objective C** - Effectively obtain, manage, and assess water resources data and information
  - **Objective D** - Further the scientific and technical foundation of water management
  - **Objective E** - Develop and maintain a diverse mix of water resources
  - **Objective F** - Construct, operate, and maintain a reliable infrastructure system
  - **Objective G** - Enhance natural hydrologic processes to reduce the negative effects of hydromodification and flooding
  - **Objective H** - Effectively reduce sources of pollutants and environmental stressors
  - **Objective I** - Protect, restore, and maintain habitat and open space
  - **Objective J** - Optimize water-based recreational opportunities
  - **Objective K** - Effectively address climate change through greenhouse gas reduction, adaptation, or mitigation

- ### Opportunities
- Improve and maintain coordination with Mexico's water management agencies
  - Support legislative work:
    - Local: City Council
    - Regional: State Assembly
    - Bi-national: Federal Congress and Senate
  - Elevate TRW issues at the Federal level
  - Expand outreach efforts
  - Innovative solutions
  - Trans-boundary resource conservation efforts



### Questions?

[www.alterterra.org](http://www.alterterra.org)  
[www.trashtracking.com](http://www.trashtracking.com)  
[www.sdcoastalstorms.org](http://www.sdcoastalstorms.org)

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