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 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
CNA Regionalization

Baja California Watershed Council

Mexico’s Water management Challenges

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
The U.S. Border Region

Hydroregionalization of the U.S.-Mexico Border

NAFTA Organizations

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

TRW Bi-national challenges

- 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

- 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
www.trashtracking.com
www.sdcoastalstorms.org

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