



WORLD WATER WEEK 25



WATER: STATES AND TRANSFORMATIONS

Challenges & Collaborative Solutions: Migration, Diplomacy, and Water Management in Bilateral Relations

Panel 2. Role of Academia and Research Institutions

Opportunities to unify our efforts across various initiatives

Alfredo Granados-Olivas

UACJ

UTEP Interdisciplinary Research Building Auditorium

March, 17 2025

Binational Water Resources...Transboundary Aquifers

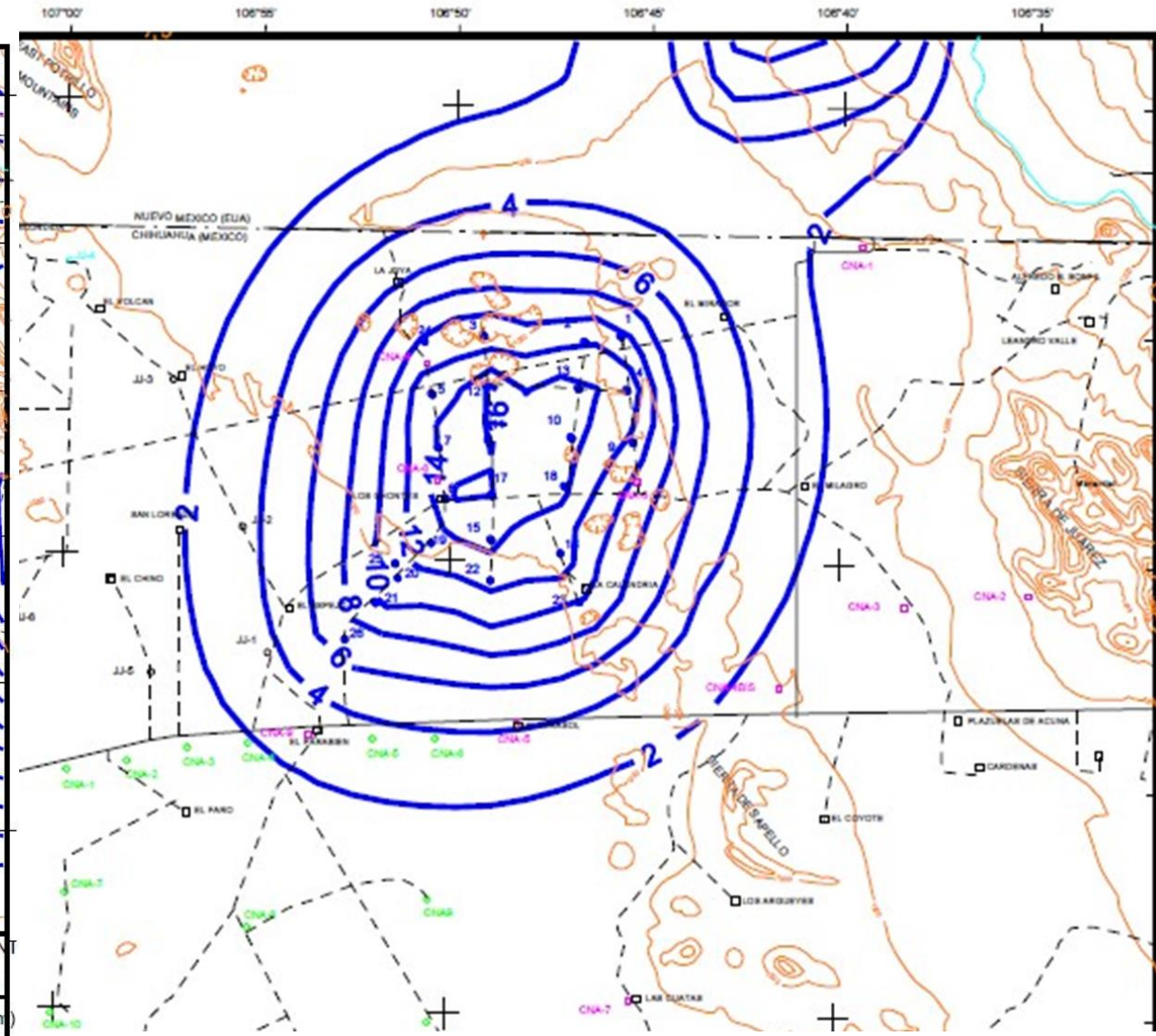
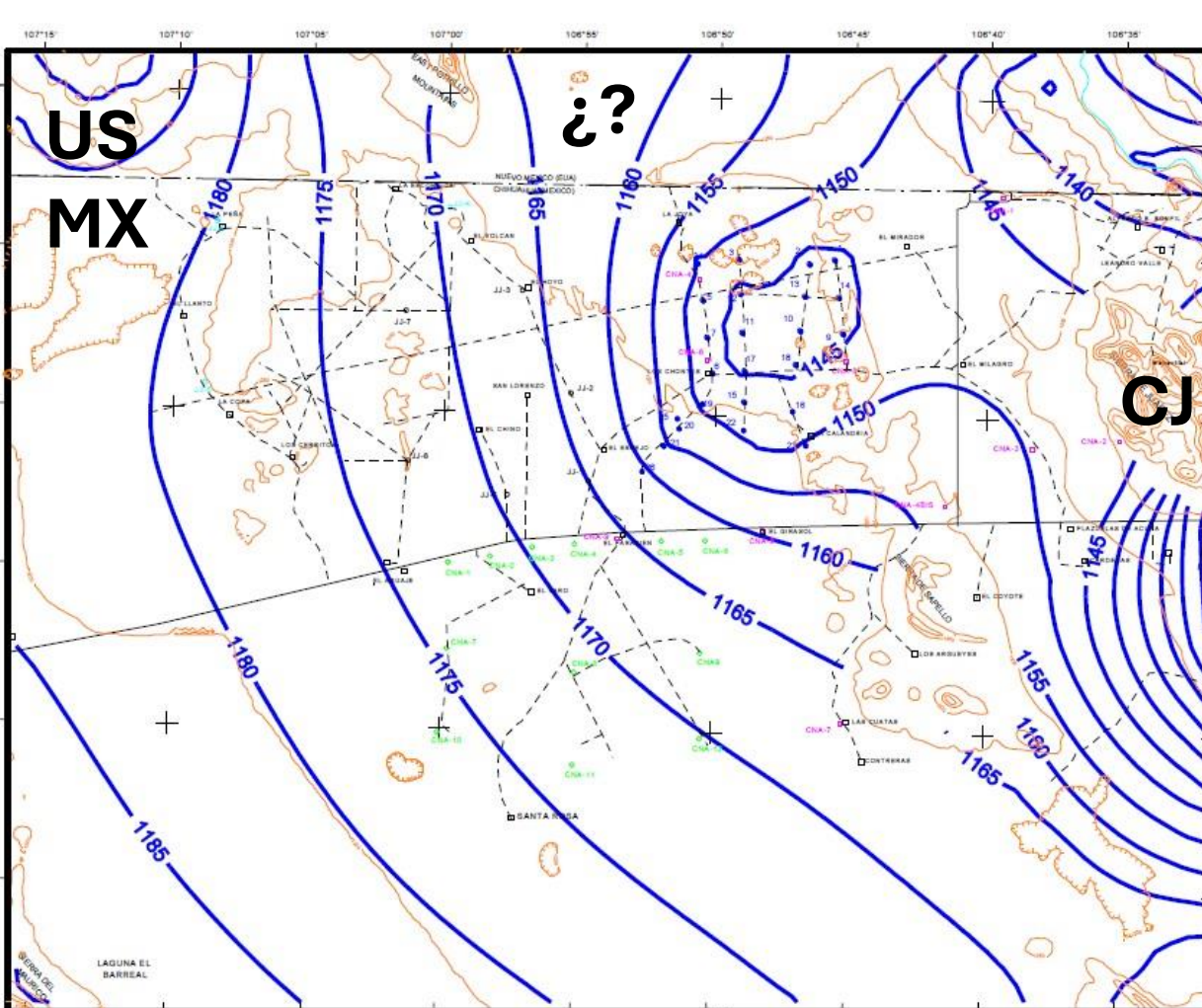
Challenge tasks...

- "Blank Map" Syndrome: Scale, units, language, definitions, terms
- Hydrodiplomacy: Treaty, Minutes, Users
- Health: Reusable WWTP (Circular Economy)
- CC and Drought: La Niña 2025? FHW? Extreme winds? Recharge?
- REPDA: Paper water? Planning and decision-making with data
- Hydrocensus Update: Wells and tributaries without concessions? Metric?
- Increasing demand for the resource: Domestic priority over agricultural?
- Sector efficiency: 15% to 50% domestic leakage vs. 40% agricultural efficiency?

Advances...

- Academia and Advances in Science
- National Agreement for the Human Right to Water and Sustainability
- New vision under the concept of the Circular Economy
- CC generates cooperation between countries when there is a water crisis
- Electromechanical Efficiency Projects in Basins and Water Culture
- National investment in urban and rural systems (National Water Plan and new General Water Law)
- Investment in transboundary sanitation (26 agreement minutes: 39% in 1980; 90% in 2024); Minute 331: Progress or Challenge?
- Diplomatic discussions evaluate the possibility of a "Binational Academic Council"

Binational pumping effect...who is monitoring this?



SIMBOLOGIA:

EXPLORACION JMAS (1990-1993)		EXPLORACION JMAS (1998-1999)	
EXPLORACION JMAS (PROY. 1999)		EXPLORACION CNA (1987-1989)	
EXPLORACION CNA (1997-1998)		EXPLORACION CNA (PROY. 1999)	

JUNTA MUNICIPAL DE AGUA Y SANEAMIENTO
 DIRECCION DE SANEAMIENTO
 DEPARTAMENTO DE GEOHIDROLOGIA
CARGA HIDRAULICA SIMULADA A 20 AÑOS (msnm)
CON UNA EXTRACCION DE 1 m/s
 Ciudad Juárez, Chih, Nov. del 2000 Figura IV.7(1)

Successful academic binational collaboration...

Collaborating Universities

- UTEP, Lead
- NMSU
- UNM
- Texas A&M Agrilife – El Paso
- UACJ
- Michigan Tech University



Funded by USDA, \$4.95 million, 2015-2020



United States
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Agriculture

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Agriculture

