

Transboundary Aquifer Assessment Program San Pedro Aquifer

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U.S. Section International Boundary and Water
Commission

Citizens Forum
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TAAP- Background

- Transboundary Aquifer Assessment Program (Public Law 109-448) approved in Dec 2006
- USGS lead federal agency
- Water Resources Institutes (AZ, NM, TX)
- IBWC to coordinate data collection in Mexico
- \$50 M authorized under TAAP
- Provide scientific information for better decision making

TAAP- Background

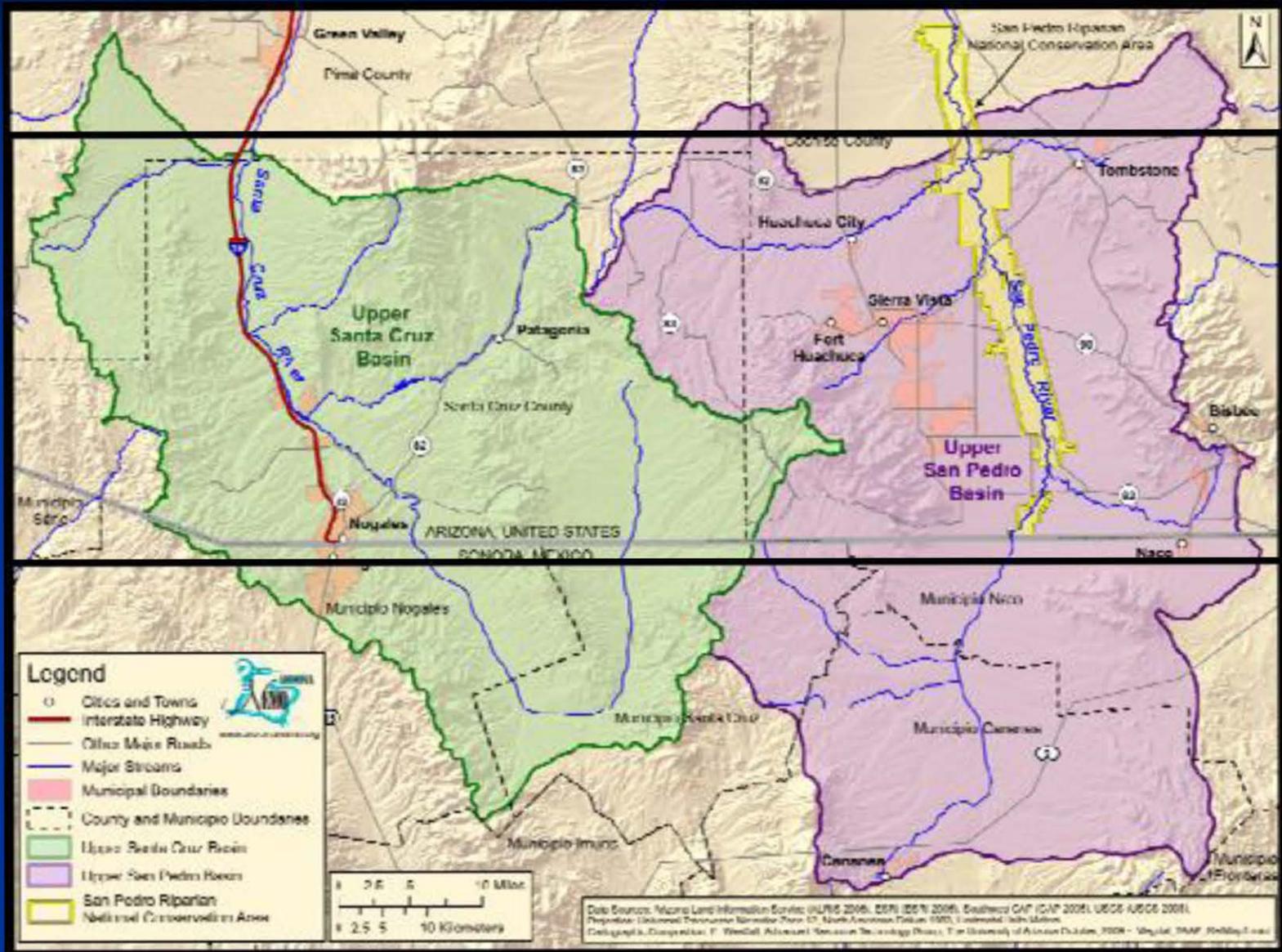
- IBWC Joint Report of Principal Engineers- August 2009- Agreement signed to facilitate binational work



TAAP- Background

- Binational technical workgroups- IBWC, USGS, UA, CONAGUA, UNISON, CEA-SON
- Development of binational workplan for San Pedro aquifer
- Funding: 50-50 cost share between U.S. and Mexico

Santa Cruz and San Pedro Watersheds



TAAP- San Pedro

- U.S. activities in the San Pedro aquifer:
 - Data collection of land use, zoning, economic and population growth, and infrastructure (GIS data, census, economic indicators)
 - Urban growth and effect on watershed land use and hydrology
 - Binational water balances and supply/demand analysis
 - Groundwater vulnerability assessment

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- U.S. Activities:
 - Water Quality Assessments
 - Assessment of asymmetries and binational cooperation frameworks
 - Participation in ISARM initiatives

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- Mexican activities:
 - Geologic conceptual model
 - Hydrogeology
 - Physicochemico sampling and analysis of water
 - Conceptual model of the hydrodynamic behavior

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- Mexican activities:
 - Compilation, integration, summary and critical analysis of prior studies of the aquifer
 - Description of the physical geography and geological, geomorphological, climatological and hydrological analyses
 - Compilation and integration of the well survey and piezometric and hydrometric historical records

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- Work began late 2010 by UNISON and will continue through Oct 2011.
- Binational technical workgroup (UNISON, UA, USGS, CONAGUA) met Feb 2011 to discuss project
 - Work on data exchange
 - Data compatibility
- Binational group met today to discuss project updates

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- Next steps:
 - Continued dialogue with Mexico on study progress
 - Binational meeting- August
 - Report reviews- Sep-Oct
 - Data exchange
 - Final report Oct 31, 2011

TAAP- Contacts

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