

Nexus Between Water Supply Planning And Environmental Flows: The Texas Experience



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Texas Water Development Board

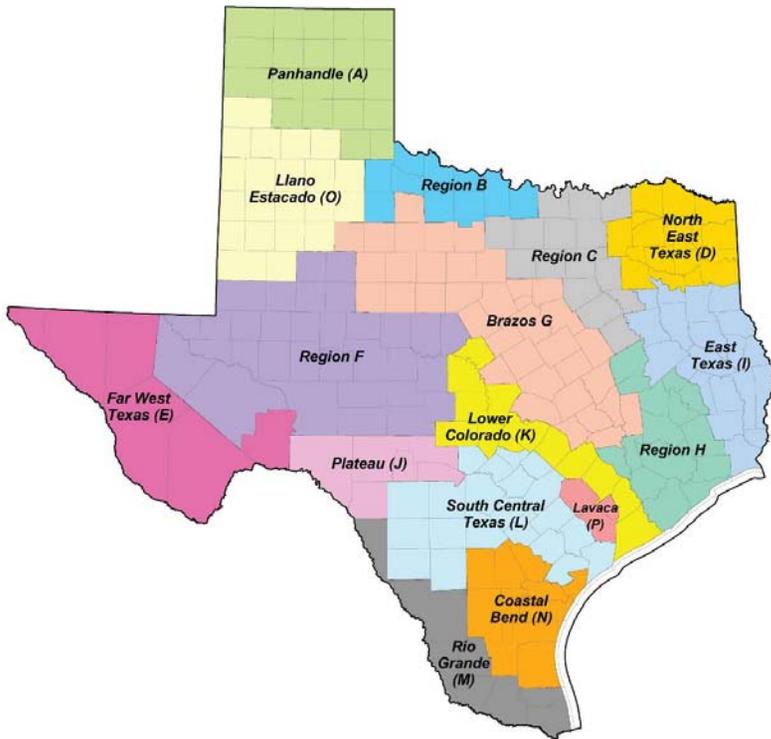
Overview of Presentation

- Regional Water Planning in Texas
- Texas Environmental Flow Programs
- New Legislation on Environmental Flows



2007 State Water Plan

*Water for Texas
2007*

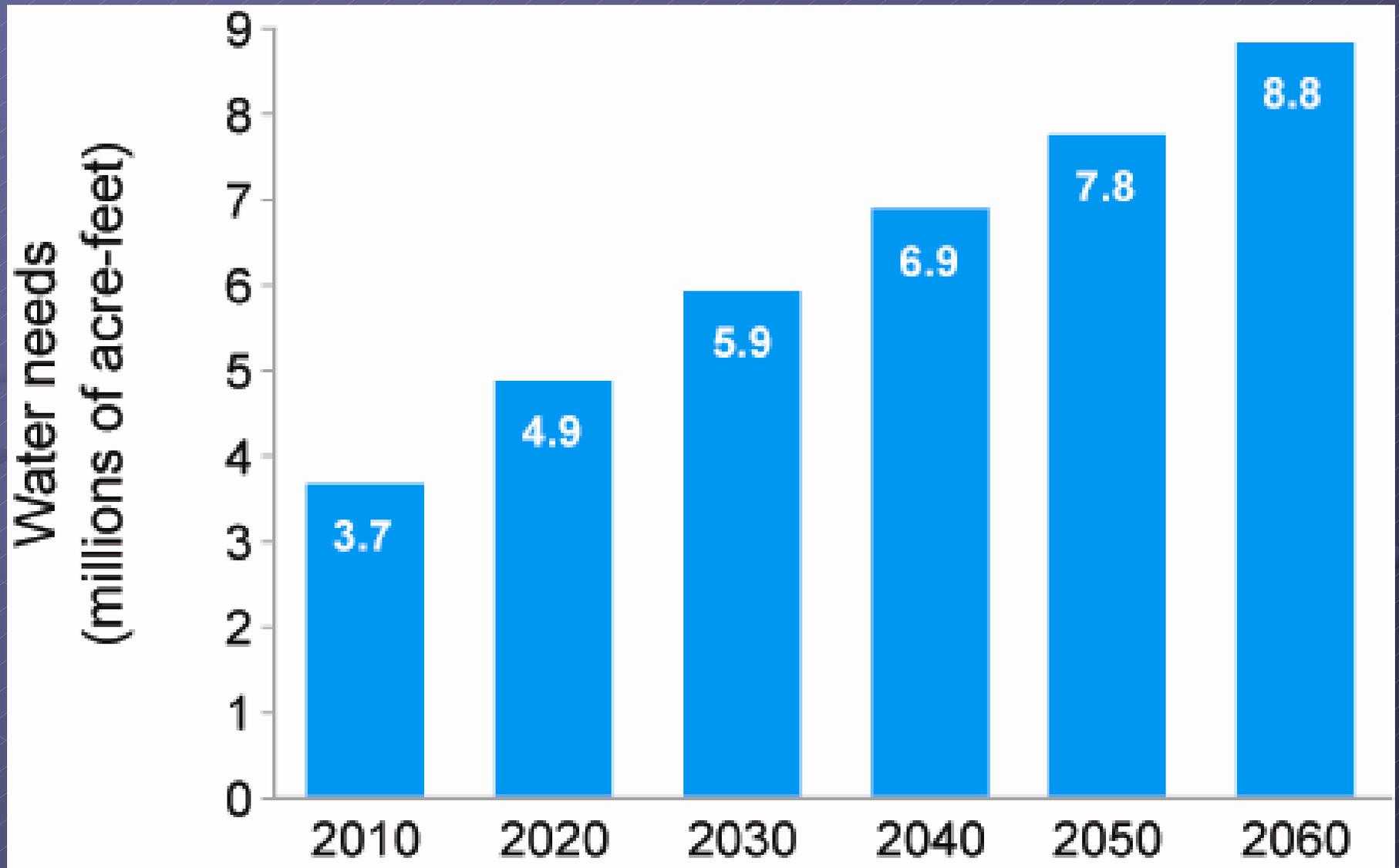


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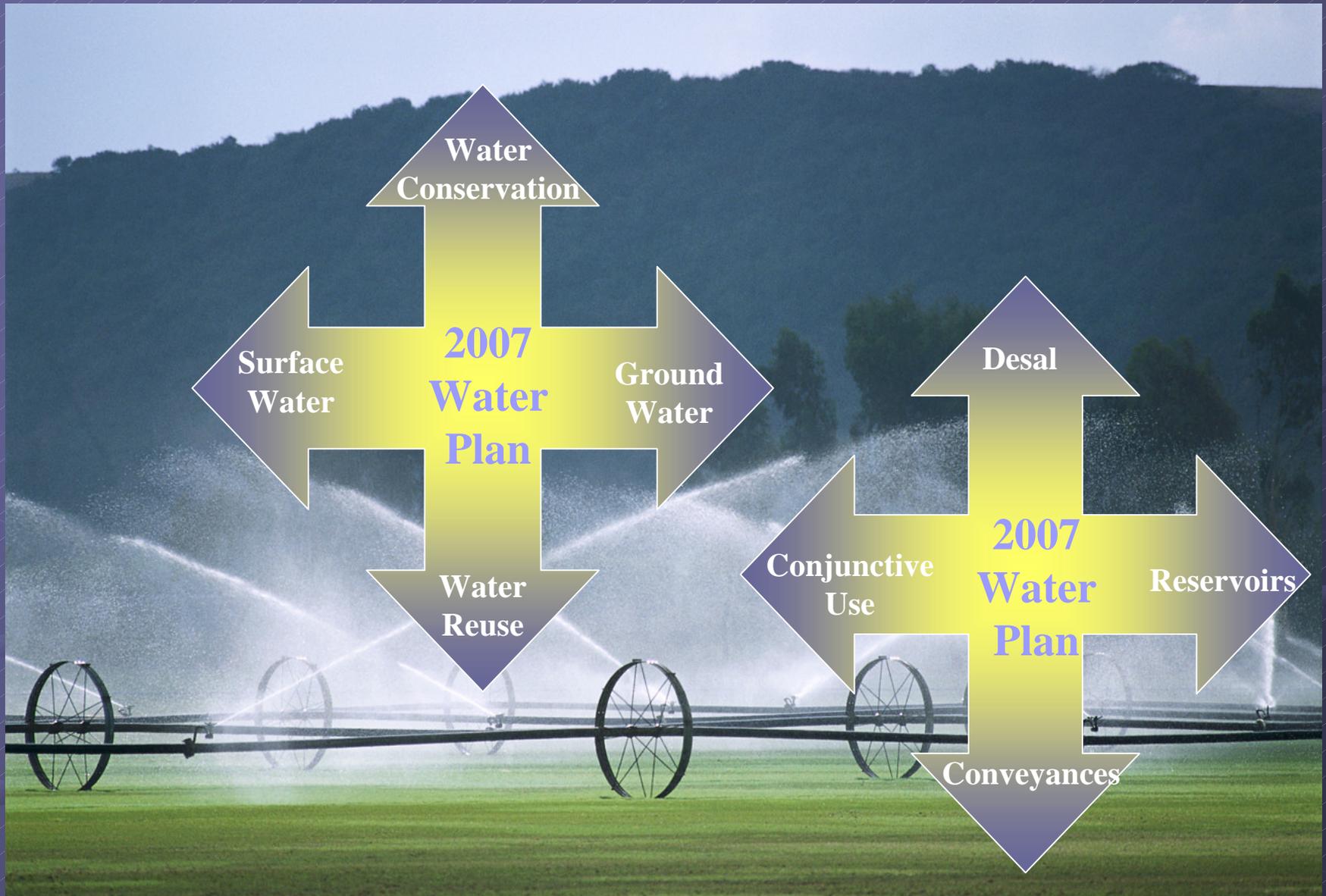
Water for Texas 2007

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Projected Water Supply Needs



4,500 Water Management Strategies!



Cost of implementation

\$30.7 billion!

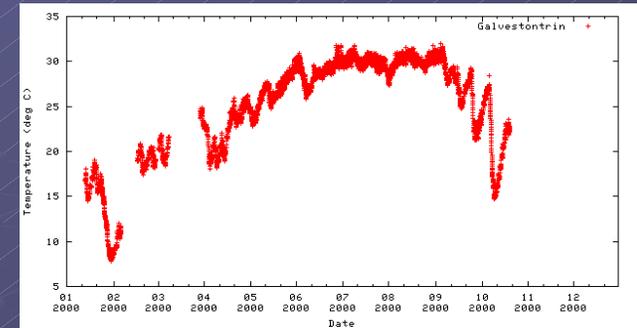


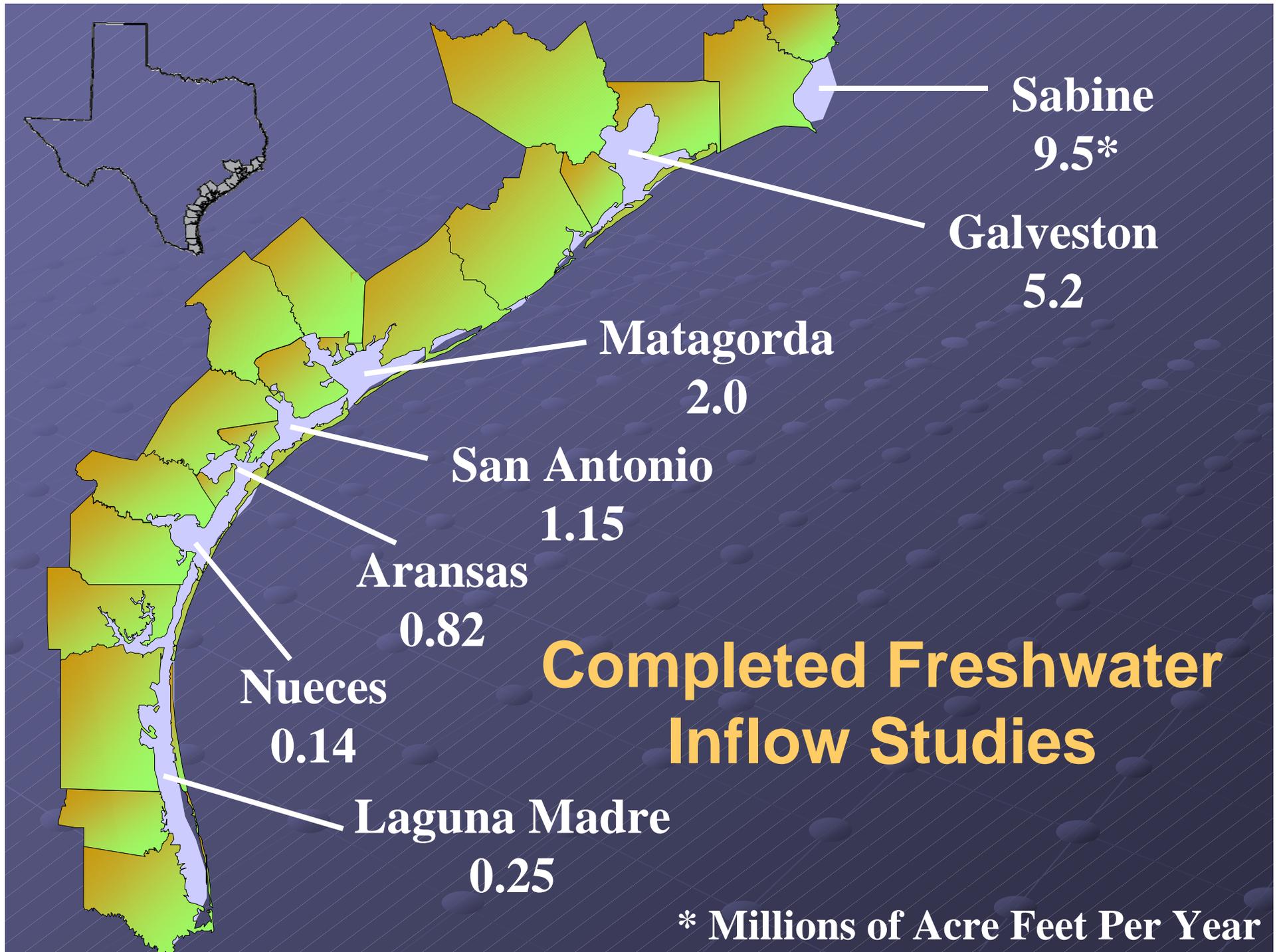
Appropriations = Project Funding

<i>PROGRAM NAME</i>	<i>FY 2008 (in Millions)</i>	<i>FY 2009 (in Millions)</i>	<i>Biennium Totals (in Millions)</i>
State Participation for State Water Plan Projects Loans with payment deferrals for construction of excess project capacity	\$55.8	\$220.3	\$276.1
Water Infrastructure Fund Low Interest Loans Low-interest loans for construction of non-excess capacity of State Participation Projects and for projects that do not meet criteria of the State Participation Program	\$69.6	\$208.6	\$278.2
Water Infrastructure Fund 10-year Deferral Payment deferred, low interest loans for development and permitting costs of water plan projects	\$80.8	\$80.8	\$161.6
Water Plan Grants Grants for economically distressed area Water Plan Projects	\$9.8	\$18.2	\$28.0
Water Plan Rural Grants and loans (50/50) for Water Plan projects in rural areas	\$6.6	\$12.4	\$19.0
TOTAL	\$222.6	\$540.3	\$762.9

Texas Bay and Estuaries Program

- Monitor bay conditions
- Develop flow recommendations to ensure productivity of economically important and ecologically characteristic species
- Conduct studies and develop tools to support inflow recommendations





Senate Bill 2 in 2001

Texas Instream Flow Program

- Establish data collection program
- Determine flow conditions necessary to support a sound ecological environment in Texas rivers and streams
- Complete priority studies by December 31, 2016



THE SCIENCE OF INSTREAM FLOWS

A Review of the Texas Instream Flow Program



National Academy
of Sciences (2005)

Review of the TIFP

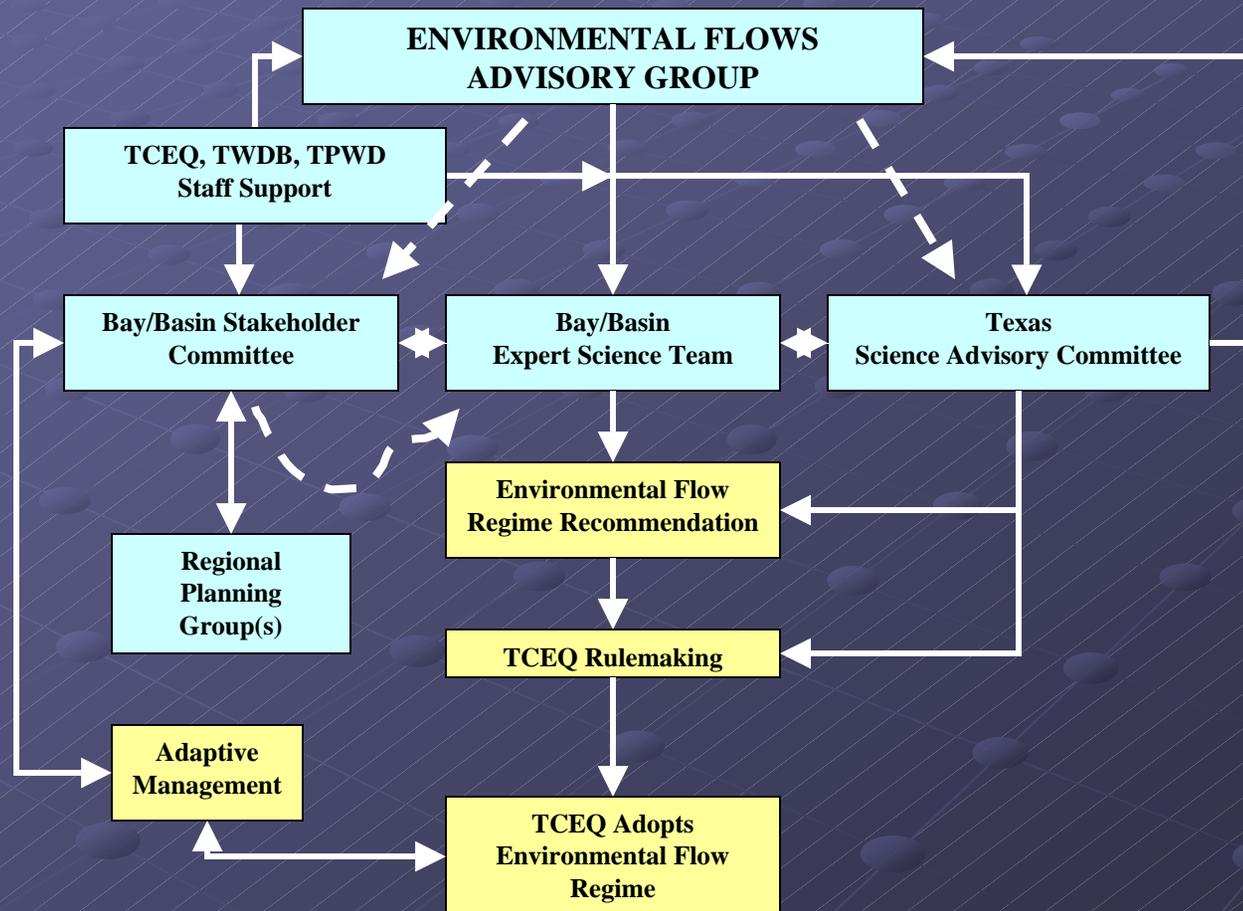
- “conforms with the best practices”
- “will provide enormous benefits to the state”
- identified several opportunities for improvement

Article 1, Senate Bill 3 in 2007

Motivation for Legislation

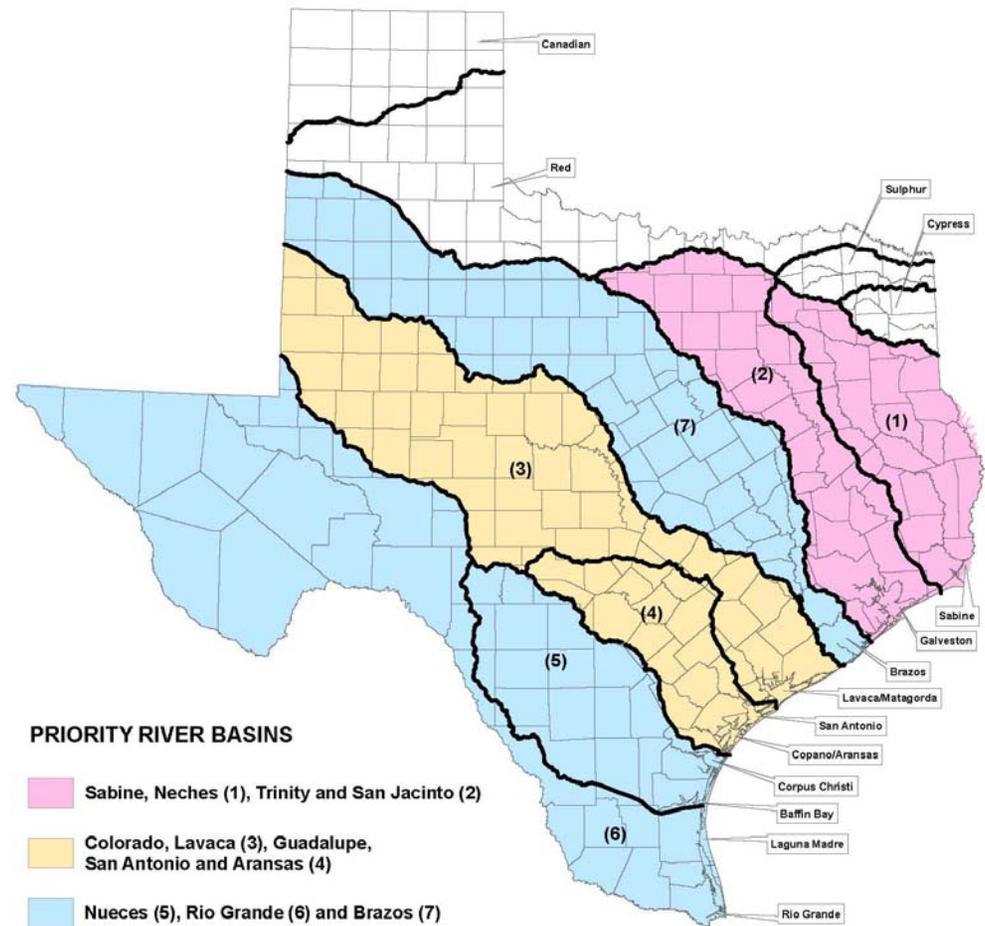
- Water Planning Issues
- Permitting Issues
- Implementation Issues
- Science Issues

Senate Bill 3 Process



SB3 Priority Basin and Bay Systems

PRIORITY RIVER BASIN AND BAY SYSTEMS



SB3 Features

- Stakeholder driven
- Best available data and science
- Expedited process
- Emergency drought measures
- Adaptive management (12.5%)
- Funded!

Questions?

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