

WATER for TEXAS

Water for the Future



Carlos Rubinstein, Chairman
Bech Bruun, Director
Kathleen Jackson, Director

Texas Water
Development Board

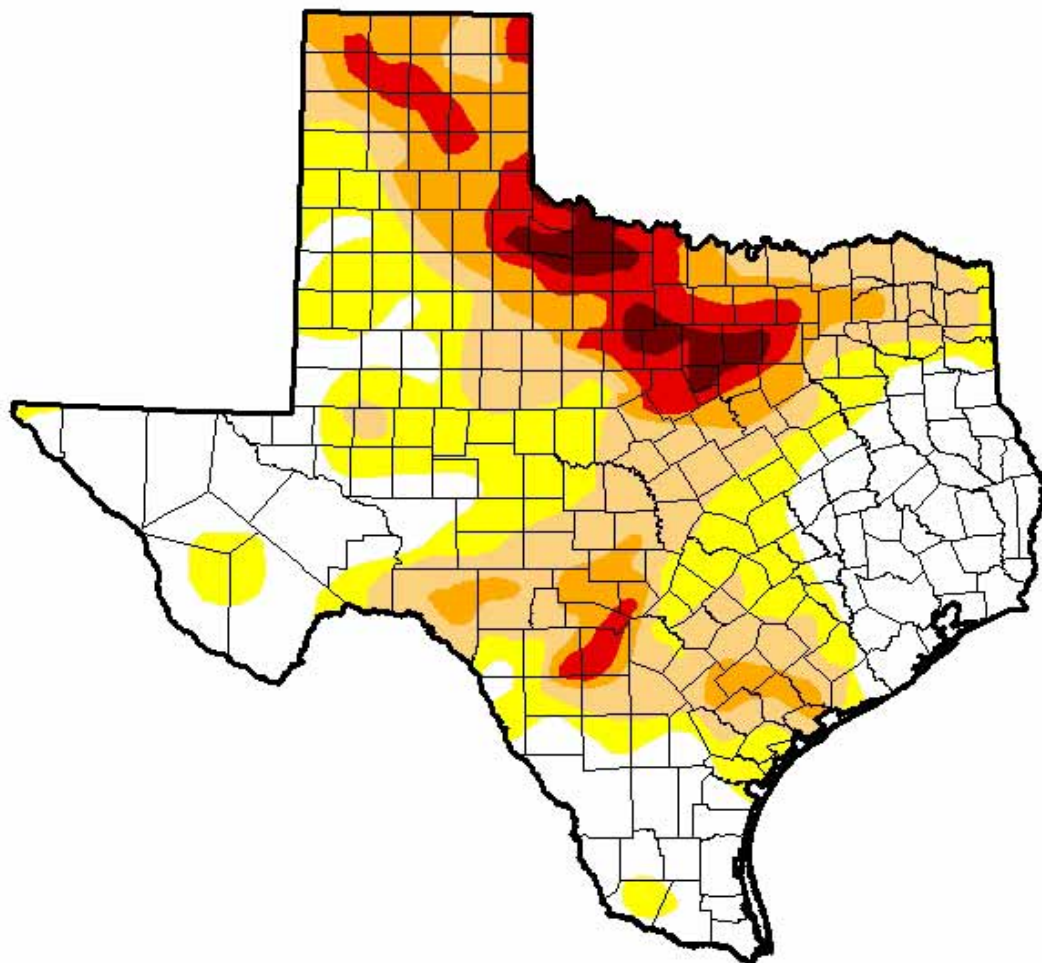
U.S. Drought Monitor

Texas

December 2, 2014
 (Released Thursday, Dec. 4, 2014)
 Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	34.05	65.95	43.29	22.05	9.50	2.57
Last Week <i>11/25/2014</i>	34.11	65.89	42.56	22.05	9.50	2.57
3 Months Ago <i>9/2/2014</i>	13.26	86.74	61.39	37.92	16.18	2.76
Start of Calendar Year <i>12/01/2013</i>	28.48	71.52	43.84	21.15	5.82	0.79
Start of Water Year <i>9/30/2014</i>	28.92	71.08	48.95	29.54	11.26	2.69
One Year Ago <i>12/3/2013</i>	24.58	75.42	47.39	21.29	5.84	0.96



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

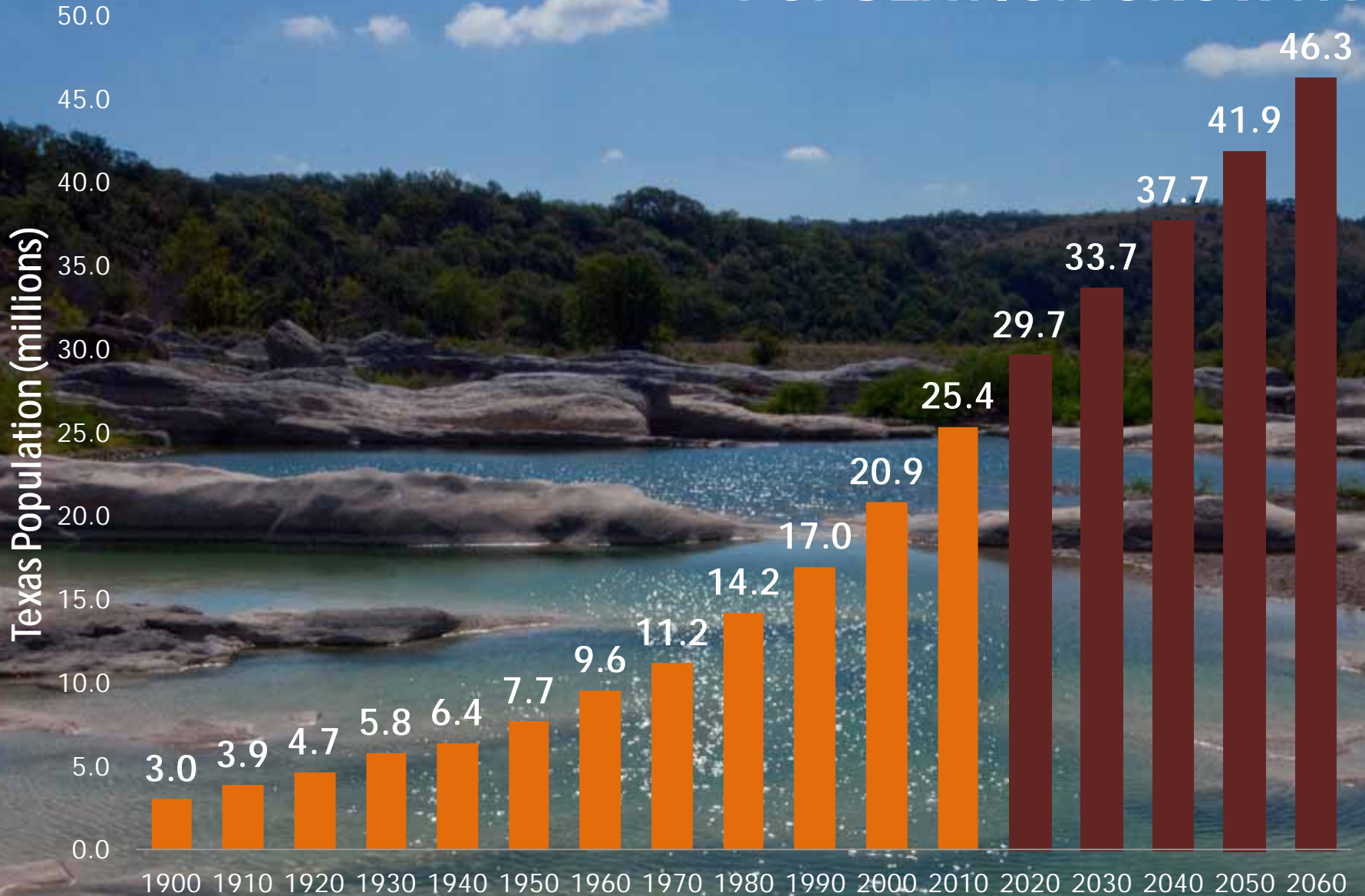
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Anthony Artusa
 NOAA/NWS/NCEP/CPC



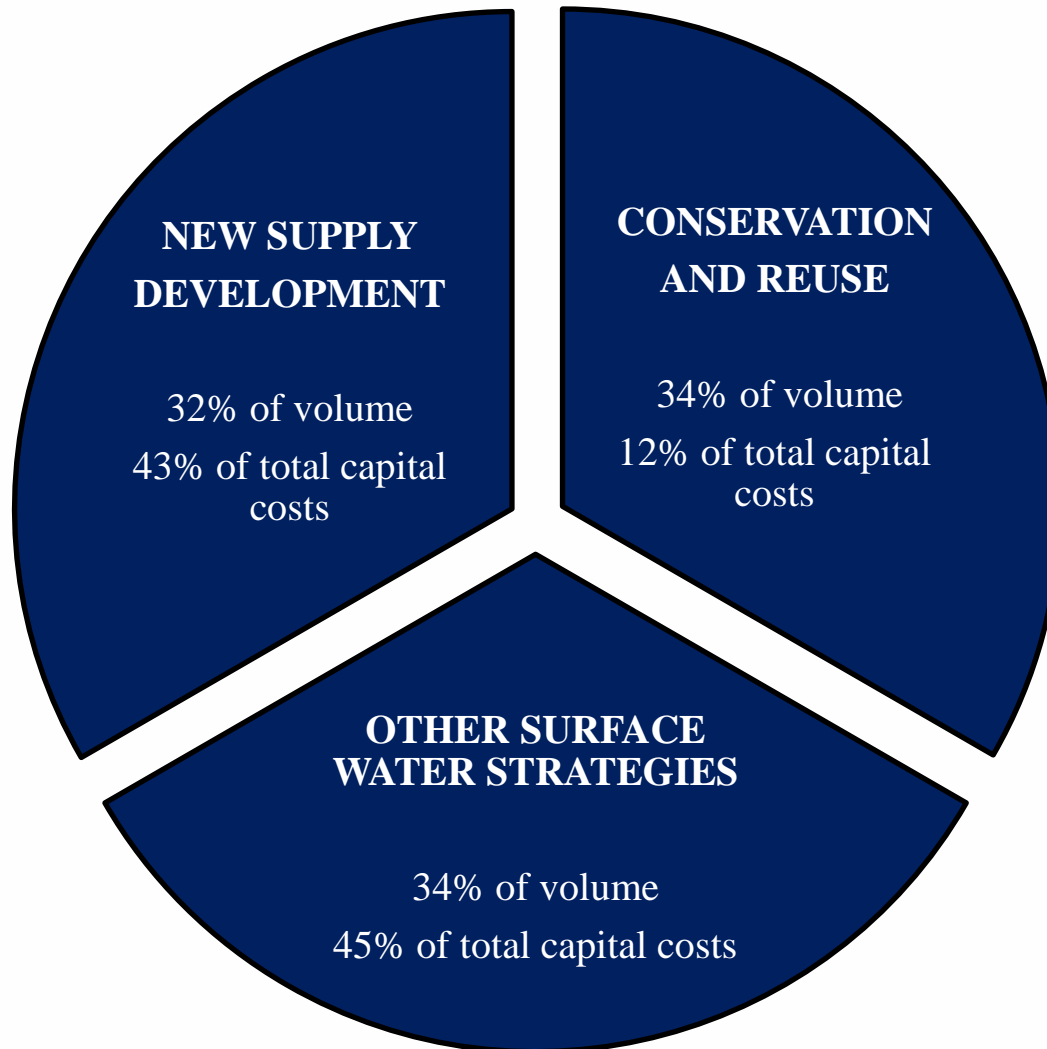
HISTORIC AND PROJECTED TEXAS POPULATION GROWTH



HOW CAN WE RESPOND TO DROUGHT & GROWTH?

- **Reservoirs**
- **Aquifers**
- **Conservation**
- **Reuse**
- **Aquifer storage and recovery**
- **Brackish groundwater desal**
- **Seawater desal**

2012 STATE WATER PLAN



*What will
the
SWIFT
fund?*



State Water Implementation Fund for Texas (SWIFT)

- Infrastructure bank
- Source of revenue for TWDB bond programs
- Cash flow mechanism
- Low-interest loans, longer loan terms, and loan deferrals

FINANCIAL ASSISTANCE THROUGH SWIFT

Benefits of SWIFT:

- \$800 million for initial round
- Financial incentives:
 - Low interest loans
 - Maturities: 20-30 yrs
 - Interest Rate Subsidy: 35.5% below TWDB cost of funds for 20 yr loans
 - Subsidy reduced for 21-30 yr loans
 - Deferred loans
 - Used for developmental costs: planning & design only
 - Principal & interest deferral for up to 8 yrs
 - Maturities: 20-30 yrs
 - Interest Rate/Subsidy: 15% below TWDB cost of funds for 20-yr loans; TWDB cost of funds for 21+ yrs loans
 - Board participation
 - Temporary TWDB ownership interest in regional facility
 - Maturities: generally 34 yrs
 - Interest rate: TWDB cost of funds

At least:

- 10% for rural communities
- 20% for conservation or reuse

PRIORITIZATION CRITERIA

Highest consideration:	Max Points	Additional criteria:	Max Points	
Serve a large population	30	Local contribution & leveraging state, local, and federal funds	5	
Assist a diverse urban and rural population	30	Financial capability of the applicant to repay	2	
Provide regionalization	30	Emergency Need	5	
Meet a high percentage of water supply needs	30	Readiness to proceed	8	
		Effect on water conservation	15	
		Priority assigned by regional water planning group	15	
Max “Highest Consideration” Subtotal	50	+	Max “Additional Criteria” Subtotal	50

Maximum Total Points: 100

SWIFT IMPLEMENTATION

Feb 3, 2015



- Abridged applications due

Spring, 2015



- TWDB prioritizes abridged applications
- TWDB determines availability of funds by category and financing terms
- Invitations to apply are extended
- Entities submit complete applications

Summer, 2015



- TWDB considers and approves applications
- TWDB authorizes bond sale

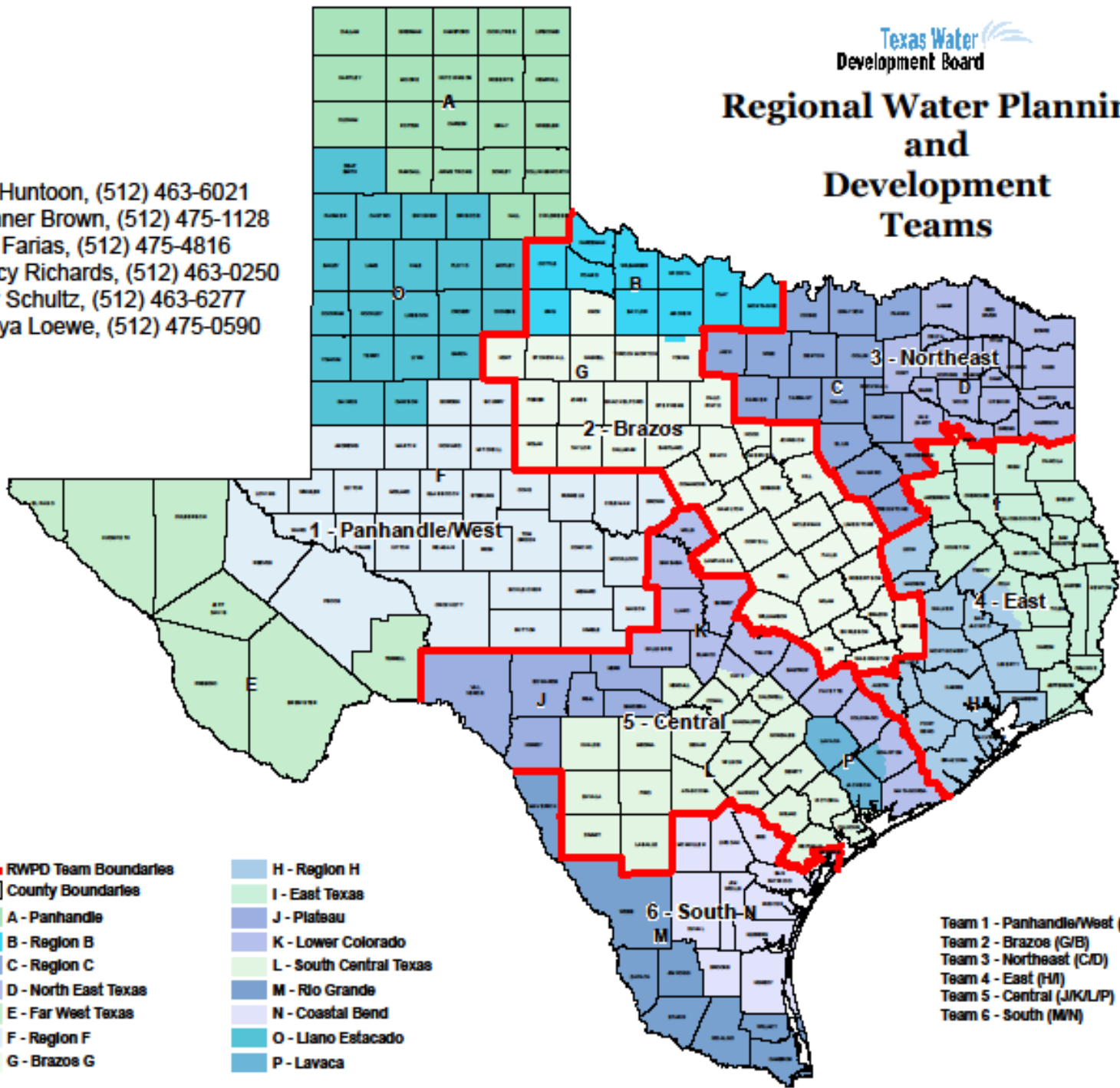
Fall, 2015



- TWDB bond sale and closing
- **Borrowers close loans**

Regional Water Planning and Development Teams

- Team #1: Lee Huntoon, (512) 463-6021
- Team #2: Brenner Brown, (512) 475-1128
- Team #3: Luis Farias, (512) 475-4816
- Team #4: Nancy Richards, (512) 463-0250
- Team #5: Clay Schultz, (512) 463-6277
- Team #6: Mireya Loewe, (512) 475-0590



- RWPD Team Boundaries
- County Boundaries
- A - Panhandle
- B - Region B
- C - Region C
- D - North East Texas
- E - Far West Texas
- F - Region F
- G - Brazos G
- H - Region H
- I - East Texas
- J - Plateau
- K - Lower Colorado
- L - South Central Texas
- M - Rio Grande
- N - Coastal Bend
- O - Llano Estacado
- P - Lavaca

- Team 1 - Panhandle/West (A/O/E/F)
- Team 2 - Brazos (G/B)
- Team 3 - Northeast (C/D)
- Team 4 - East (H/I)
- Team 5 - Central (J/K/L/P)
- Team 6 - South (M/N)

STREAMLINING ENVIRONMENTAL REVIEW

- Replace guidance documents with template forms
- Ensure that level of review is commensurate with potential impacts
- Develop new process for federal cross-cutter compliance
- Clarify requirements

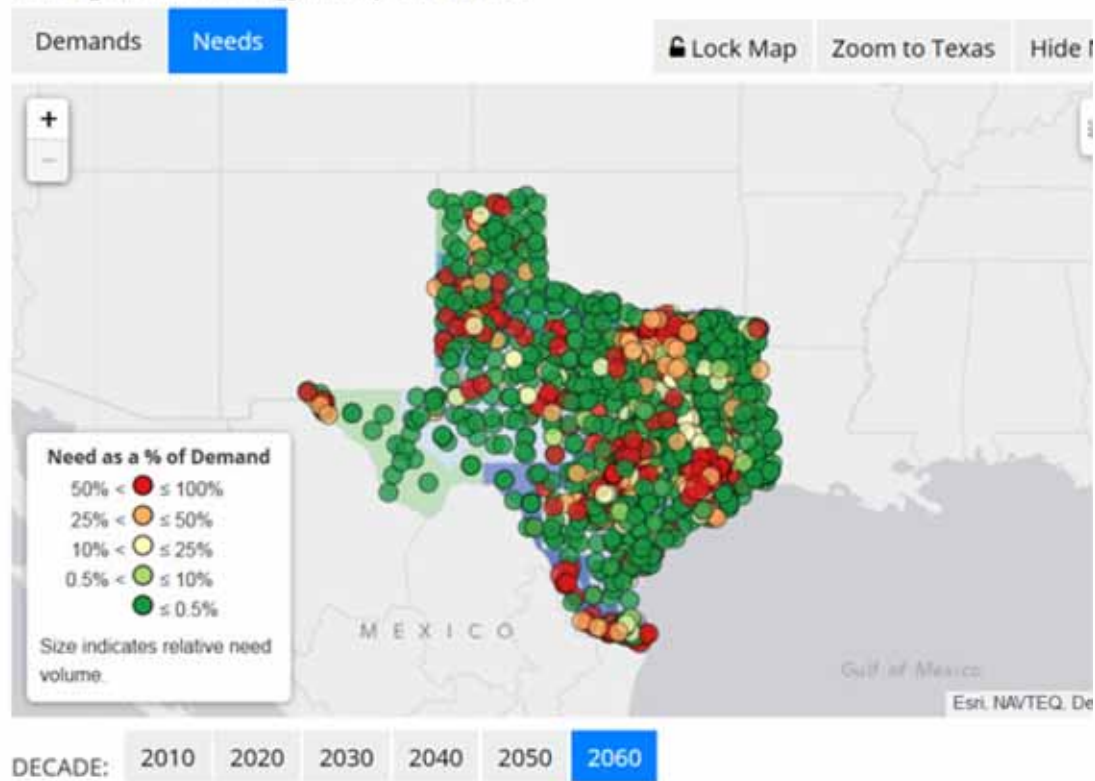


Automated Groundwater Level Wells



INTERACTIVE STATE WATER PLAN WEBSITE

Identified water **needs** are projected water demands in excess of existing water supplies during drought of record conditions (i.e., **potential shortage** if no water management strategy is implemented).



Municipal - 2060

Map displays **Municipal** entities and their identified water needs.

<http://texasstatewaterplan.org>

HOW TO CONTACT ME



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