WATER for TEXAS

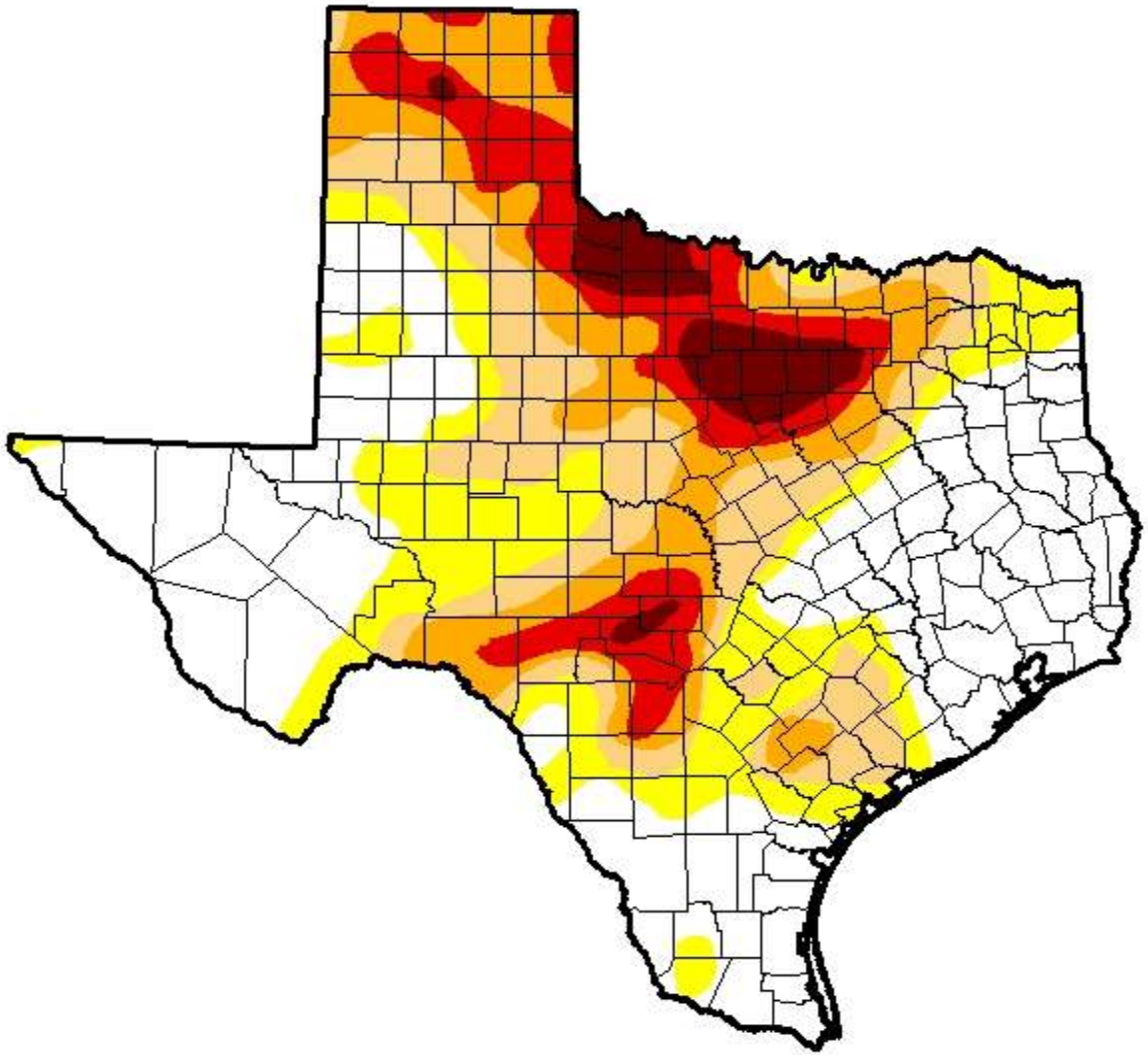
Water for the Future

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

Texas Water Development Board

U.S. Drought Monitor

Texas



February 17, 2015

(Released Thursday, Feb. 19, 2015)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	39.21	60.79	43.39	27.81	13.92	4.46
Last Week *2/10/2015*	43.30	56.70	39.19	24.71	13.21	4.46
3 Months Ago *11/18/2014*	31.21	68.79	43.91	23.89	9.82	3.45
Start of Calendar Year *12/30/2014*	34.37	65.63	44.68	25.73	11.70	3.17
Start of Water Year *9/30/2014*	28.92	71.08	48.95	29.54	11.26	2.69
One Year Ago *2/18/2014*	11.96	88.04	58.20	27.48	8.54	0.71

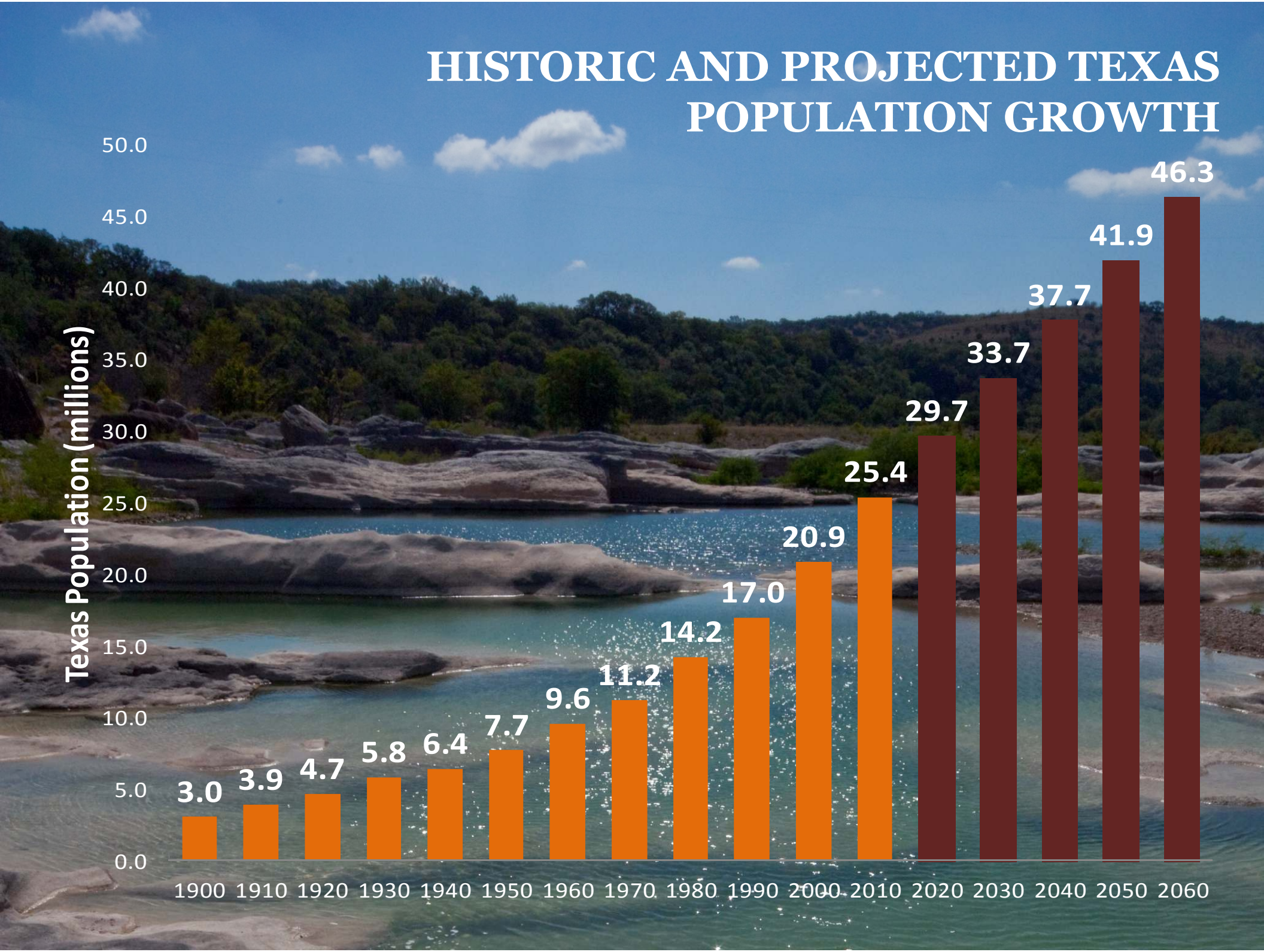
Intensity:

- 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:
Richard Heim
NCDC/NOAA

http://droughtmonitor.unl.edu/


HISTORIC AND PROJECTED TEXAS POPULATION GROWTH
Texas Population (millions)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
3.0
3.9
4.7
5.8
6.4
7.7
9.6
11.2
14.2
17.0
20.9
25.4
29.7
33.7
37.7
41.9
46.3
1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010 2020 2030 2040 2050 2060

HOW CAN WE RESPOND TO DROUGHT & GROWTH?

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

REGIONAL WATER PLANNING GROUPS

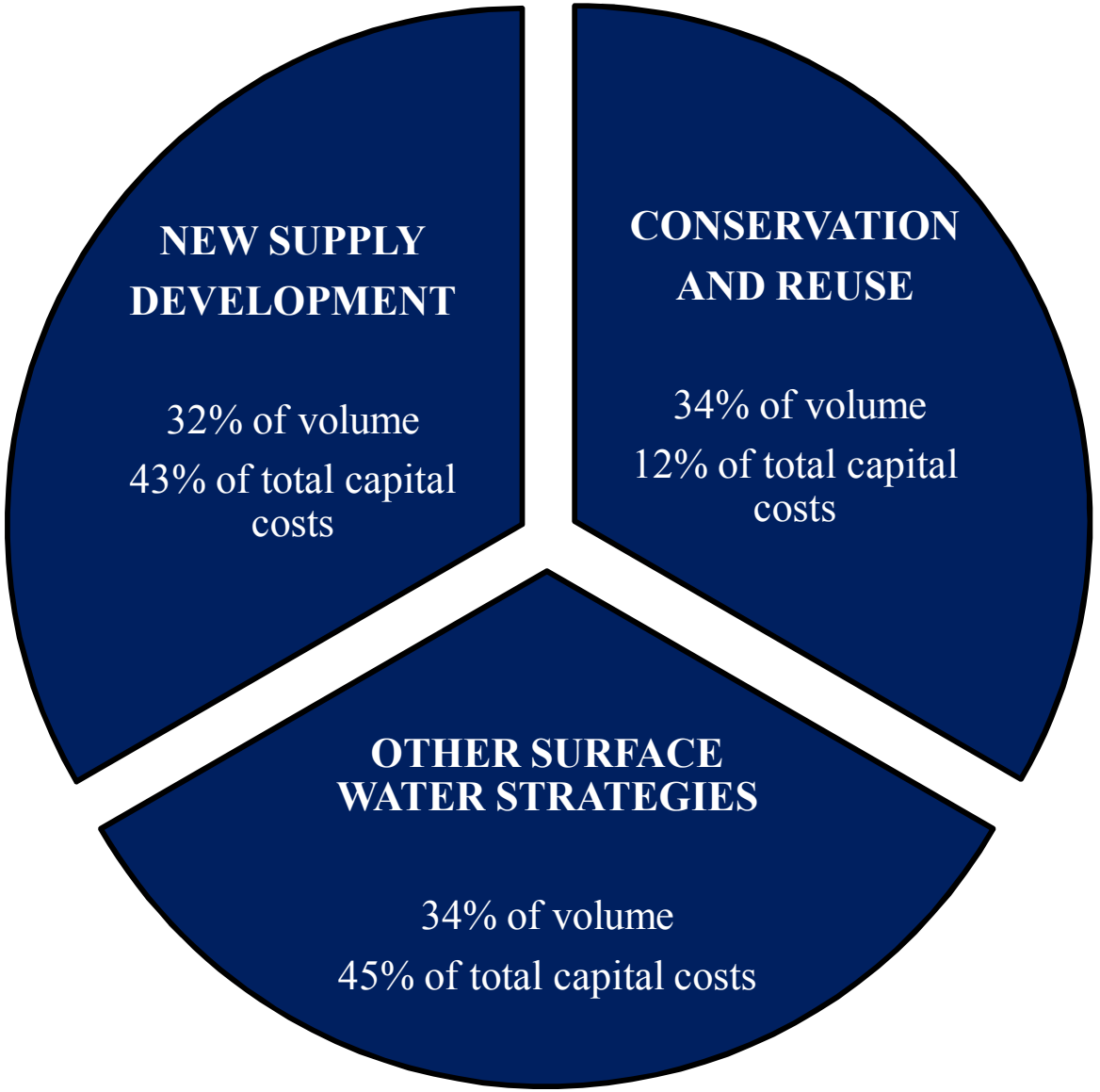
Region C (Northeast)
January 2015

Region D (Northeast)
February 2015

- Local Political Subdivision serves as administrator
- Public, consensus-driven
- Local/regional decision making process

Region H (East)
November 2014

2012 STATE WATER PLAN



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
Serve a large population	30
Assist a diverse urban and rural population	30
Provide regionalization	30
Meet a high percentage of water supply needs	30
Max "Highest Consideration" Subtotal	**50**

+

Additional criteria:	Max Points
Local contribution & leveraging state, local, and federal funds	5
Financial capability of the applicant to repay	2
Emergency Need	5
Readiness to proceed	8
Effect on water conservation	15
Priority assigned by regional water planning group	15
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

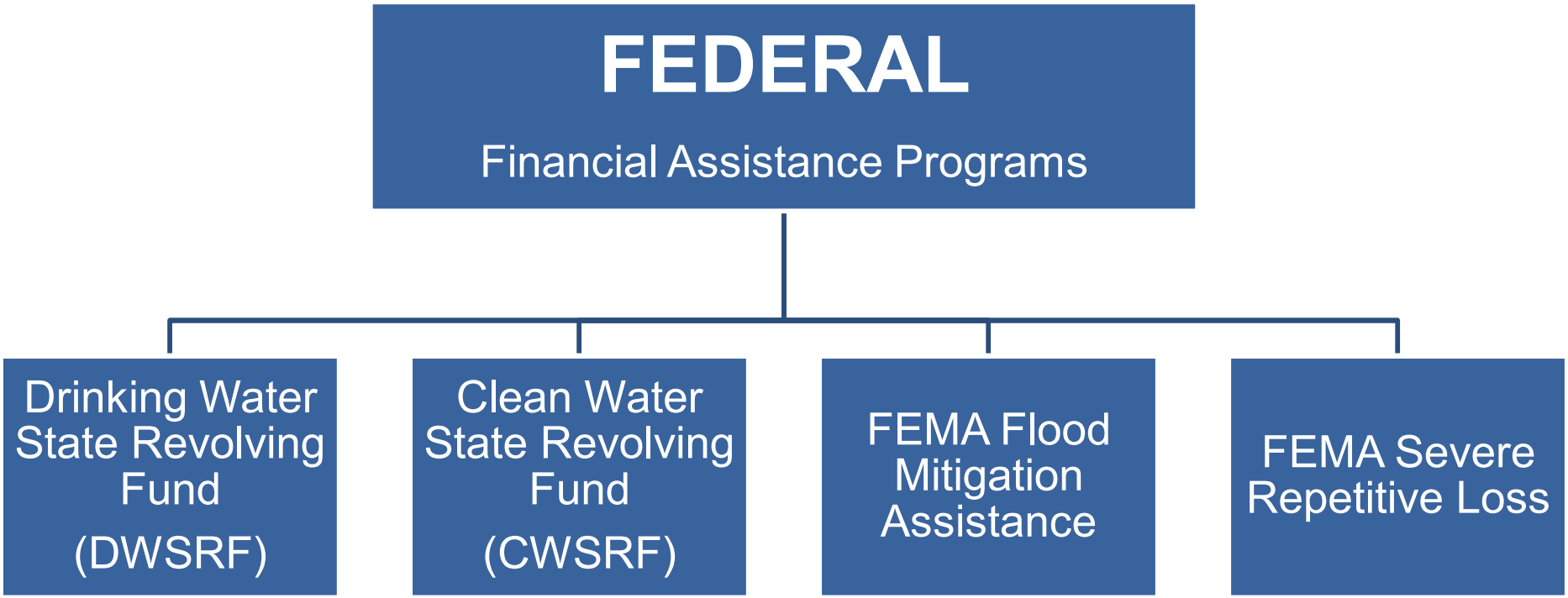
Summer, 2015

- TWDB considers and approves applications
- TWDB authorizes bond sale

Fall, 2015

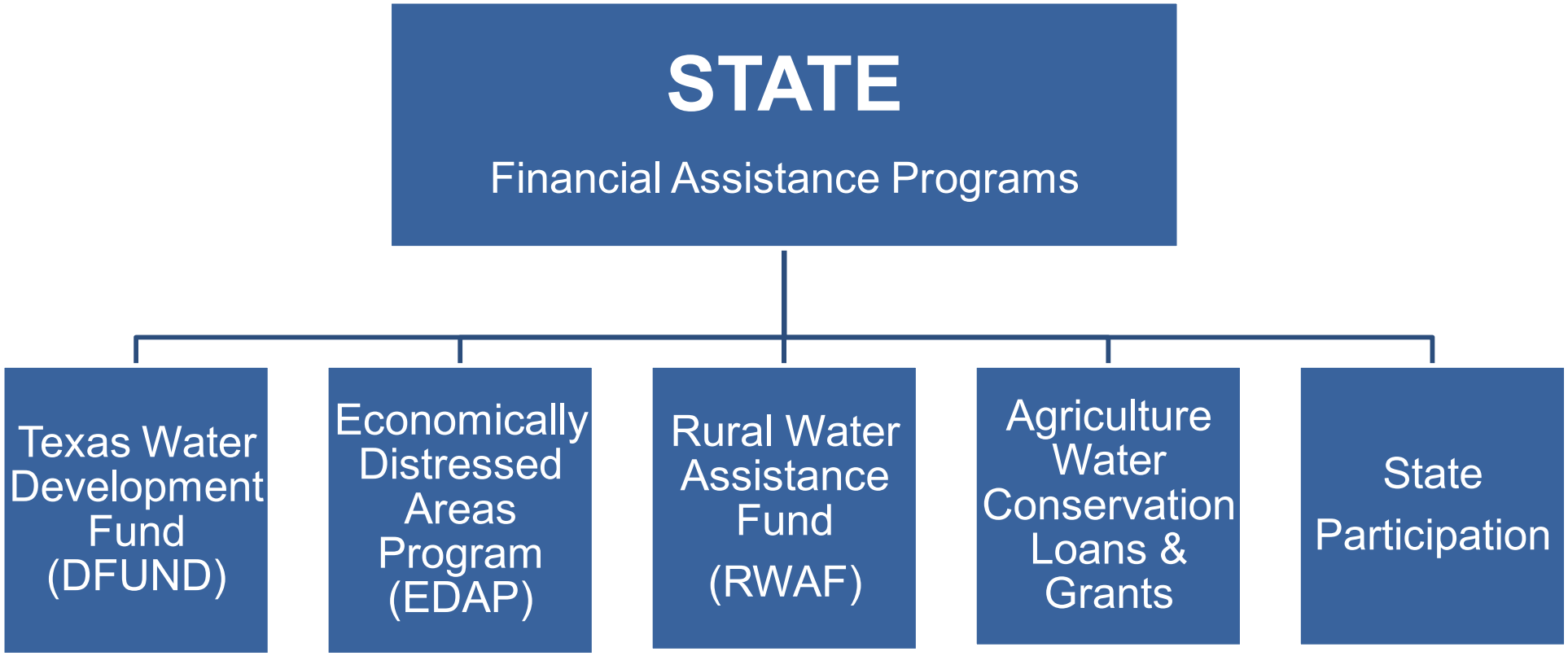
- TWDB bond sale and closing
- **Borrowers close loans**

ADDITIONAL TWDB FINANCIAL ASSISTANCE PROGRAMS



The TWDB then allocates this funding to projects throughout the State

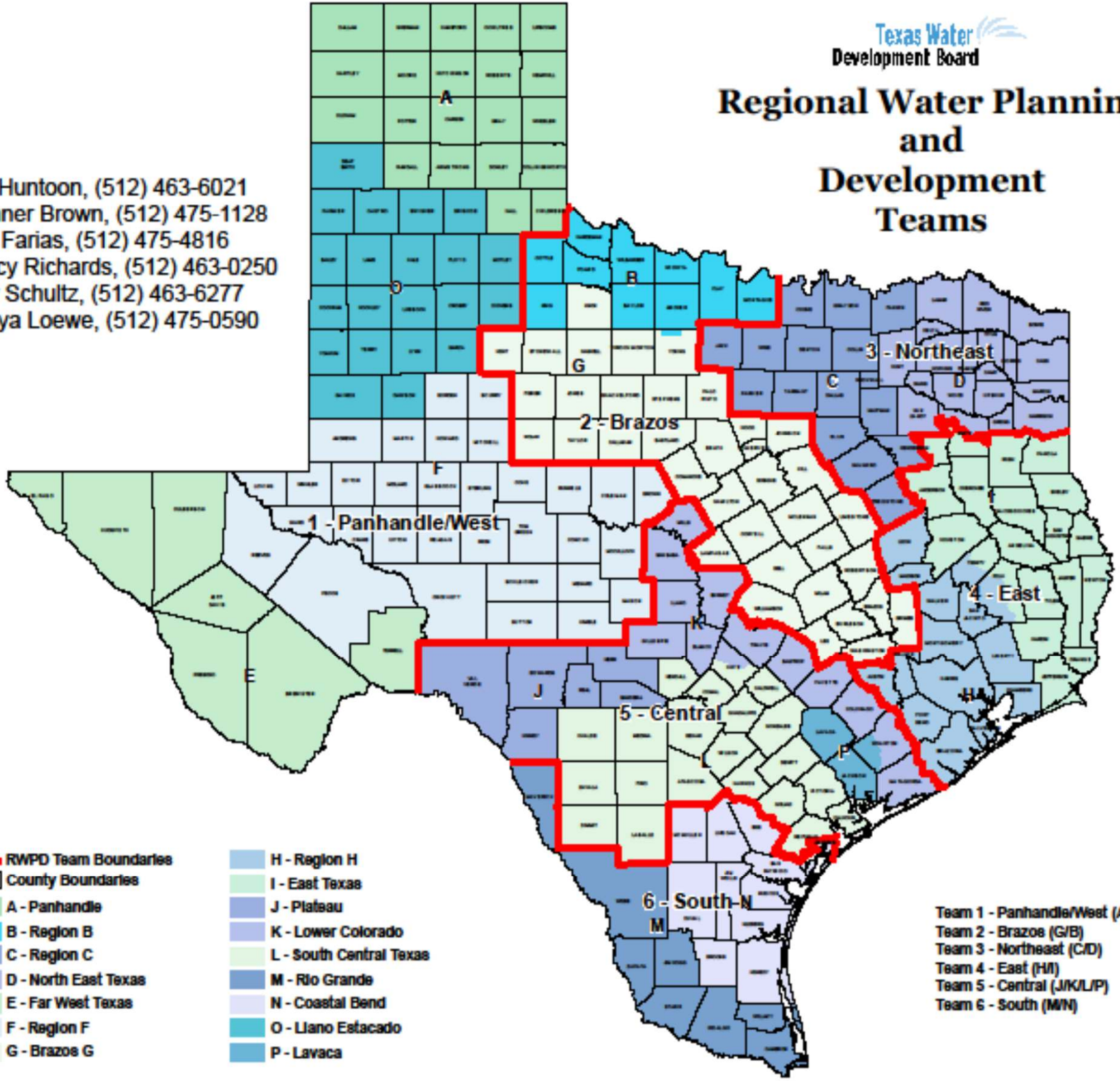
ADDITIONAL TWDB FINANCIAL ASSISTANCE PROGRAMS



Texas Water Development Board

Regional Water Planning and Development Teams

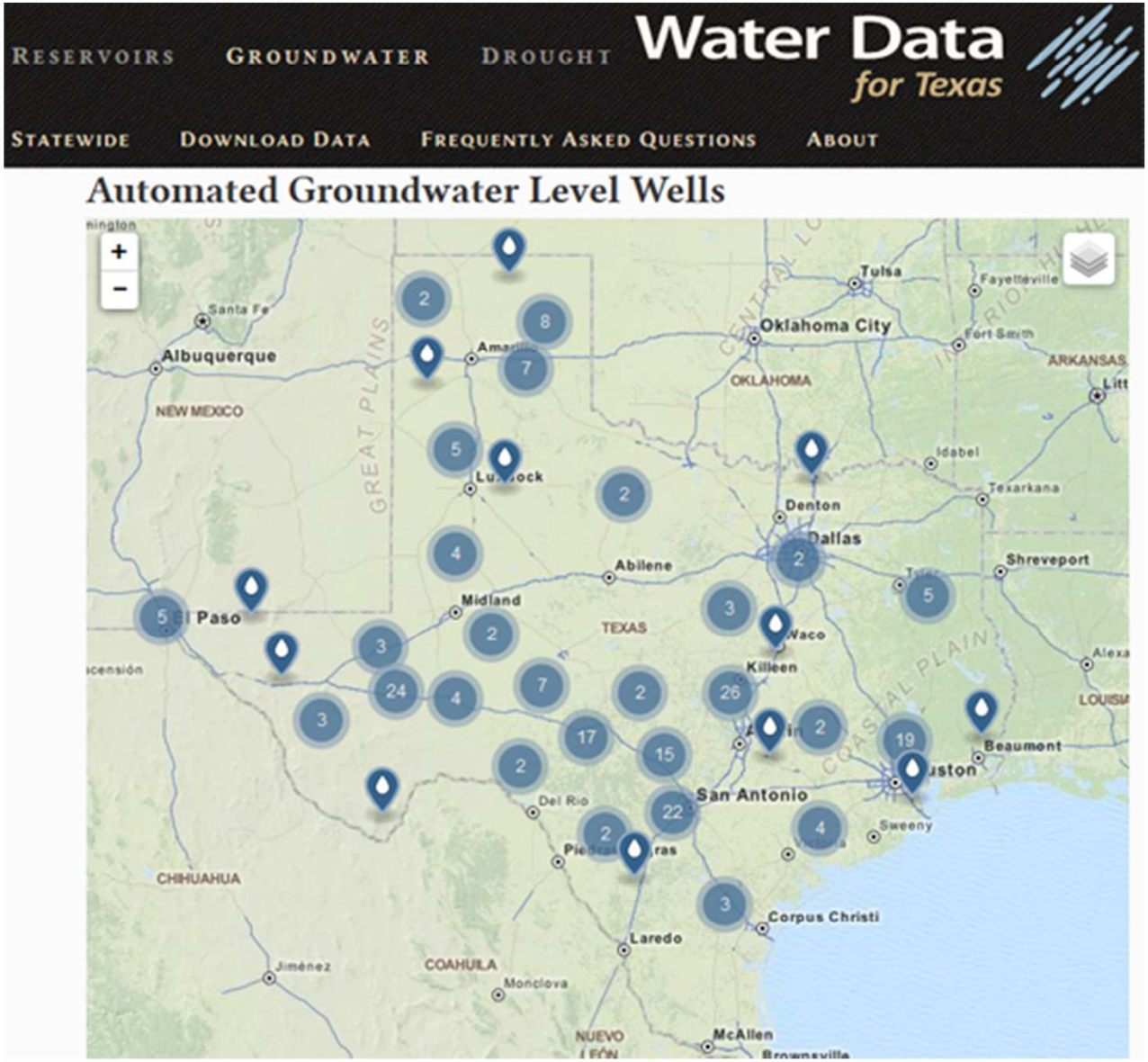
Team #1: Lee Huntoon, (512) 463-6021
Team #2: Brenner Brown, (512) 475-1128
Team #3: Luis Farias, (512) 475-4816
Team #4: Nancy Richards, (512) 463-0250
Team #5: Clay Schultz, (512) 463-6277
Team #6: Mireya Loewe, (512) 475-0590



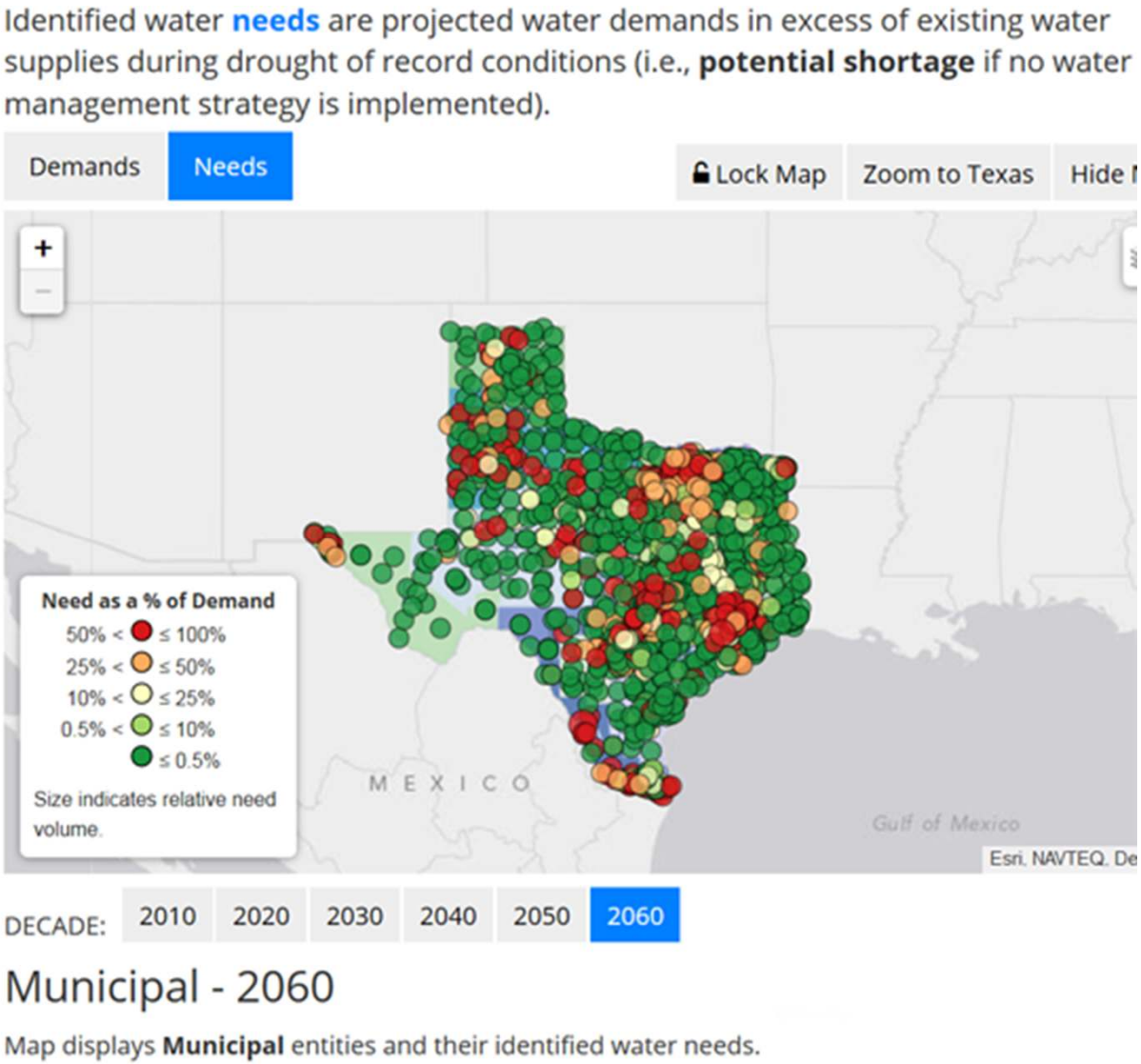
RWPD Team Boundaries
County Boundaries
A - Panhandle
B - Region B
C - Region C
D - North East Texas
E - Far West Texas
F - Region F
G - Brazos G
H - Region H
I - East Texas
J - Plateau
K - Lower Colorado
L - South Central Texas
M - Rio Grande
N - Coastal Bend
O - Llano Estacado
P - Lavaca

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)

www.waterdatafortexas.org



INTERACTIVE STATE WATER PLAN WEBSITE



http://texasstatewaterplan.org

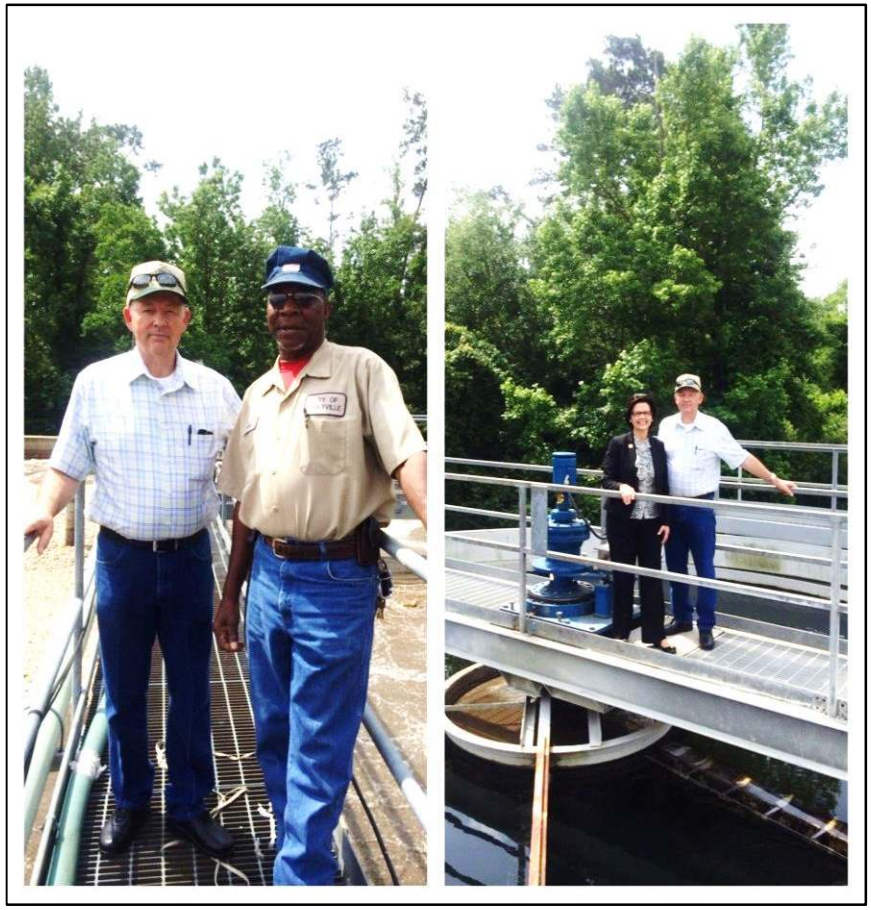
OPPORTUNITY FOR GROWTH = MORE JOBS!

Aldine
Harris County
June 2014

Stratford (Texas Panhandle)
Sherman County
September 2014

BUILDING A STRONGER TEXAS

Brownsville
Cameron County
July 2014



City of Kirbyville
Jasper County
May 2014

HOW TO CONTACT ME

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