Drought Update

April 2015

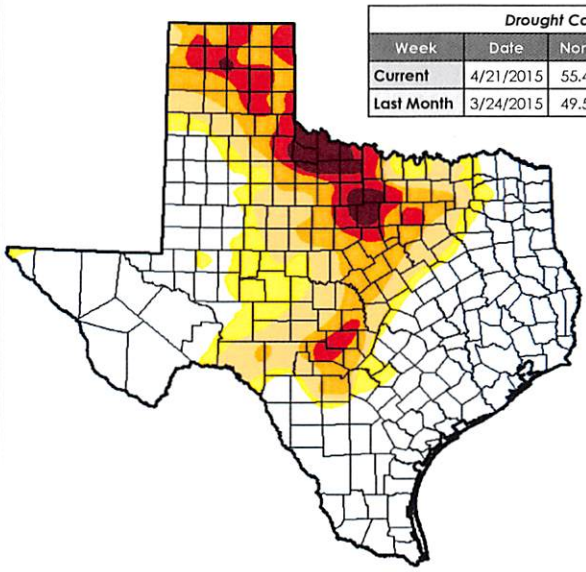
Mark Wentzel
Surface Water Resources Division
Water Science and Conservation

U.S. Drought Monitor

Texas

April 21, 2015
(Released Thursday, Apr. 23, 2015)
Valid 7 a.m. EST

Drought Conditions (Percent Area)							
Week	Date	None	D0	D1	D2	D3	D4
Current	4/21/2015	55.48	9.96	12.63	12.58	6.80	2.55
Last Month	3/24/2015	49.50	14.14	11.44	11.25	10.35	3.31

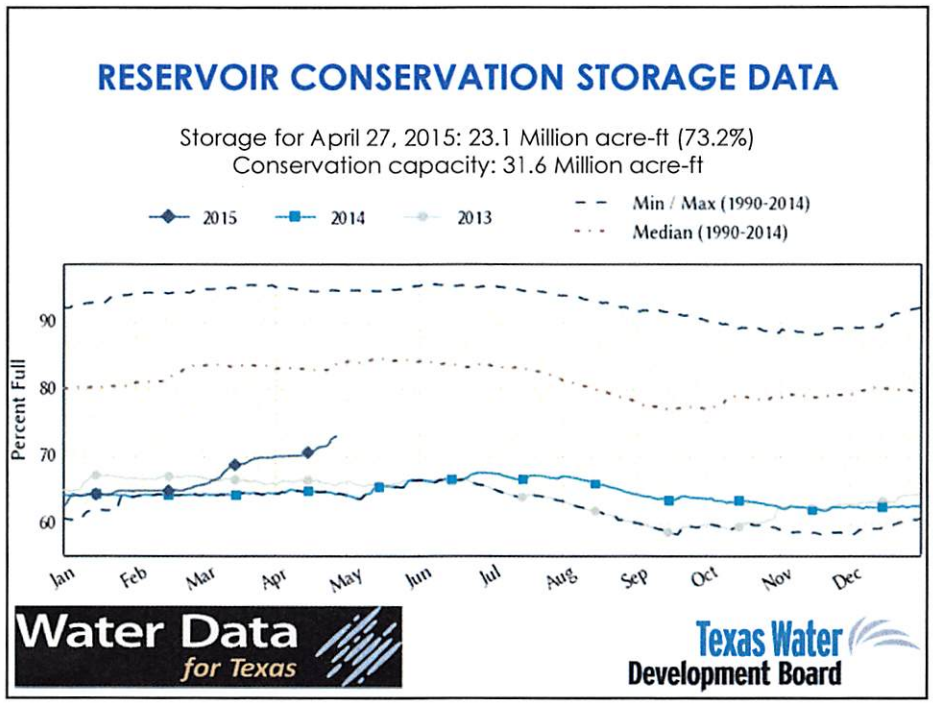


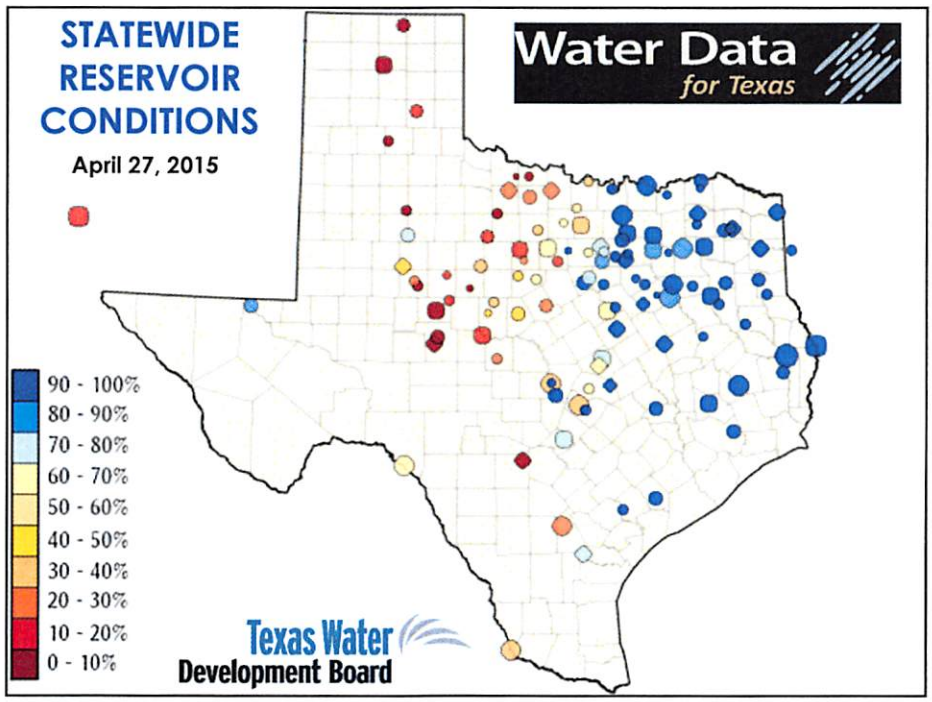
Intensity:
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

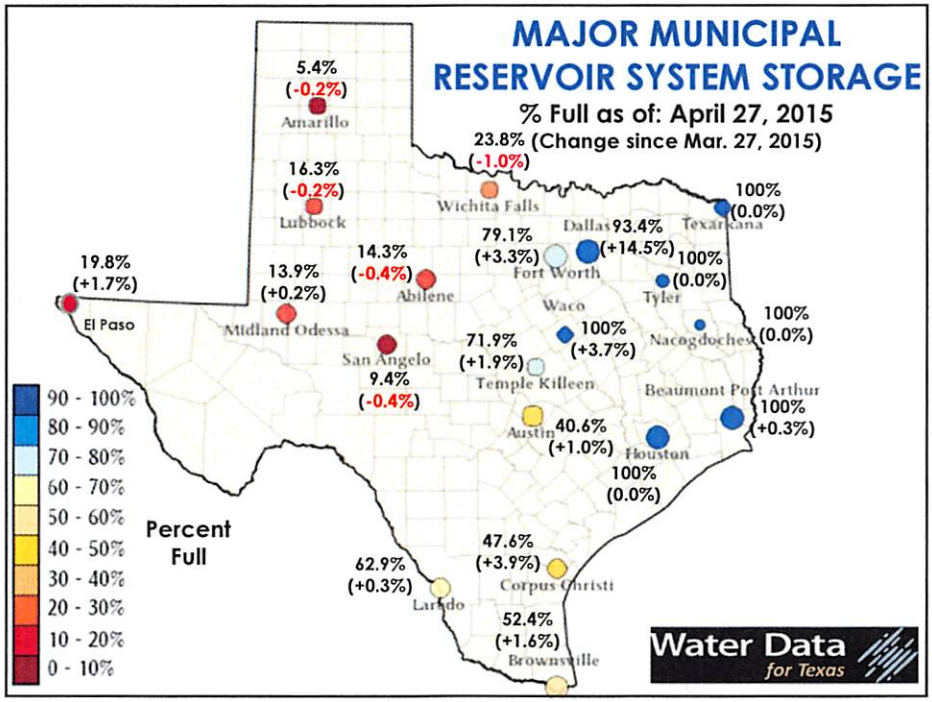
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

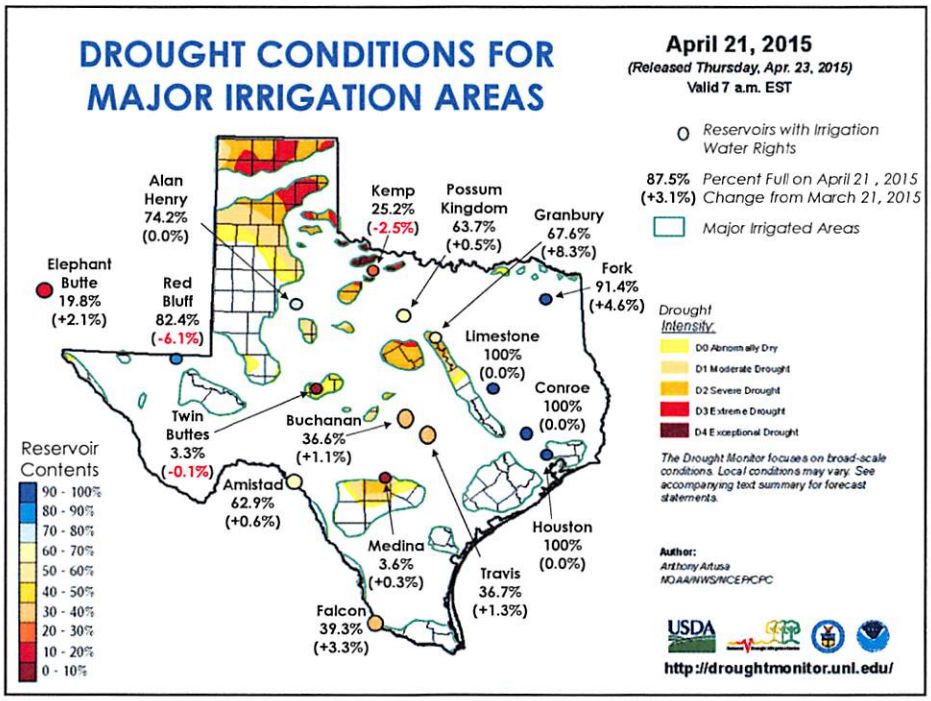
Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC

http://droughtmonitor.unl.edu/


RESERVOIR CONSERVATION STORAGE DATA
Storage for April 27, 2015: 23.1 Million acre-ft (73.2%)
Conservation capacity: 31.6 Million acre-ft
2015
2014
2013
Min / Max (1990-2014)
Median (1990-2014)
Percent Full
90
80
70
60
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Water Data for Texas
Texas Water Development Board


STATEWIDE RESERVOIR CONDITIONS
April 27, 2015
Water Data for Texas
90 - 100%
80 - 90%
70 - 80%
60 - 70%
50 - 60%
40 - 50%
30 - 40%
20 - 30%
10 - 20%
0 - 10%
Texas Water Development Board


MAJOR MUNICIPAL
RESERVOIR SYSTEM STORAGE
% Full as of: April 27, 2015
23.8% (Change since Mar. 27, 2015)
(-1.0%)
5.4%
(-0.2%)
Amarillo
16.3%
(-0.2%)
Lubbock
Wichita Falls
100%
(0.0%)
Texarkana
Dallas 93.4%
(+14.5%)
79.1%
(+3.3%)
Fort Worth
100%
(0.0%)
Tyler
19.8%
(+1.7%)
El Paso
13.9%
(+0.2%)
Midland Odessa
14.3%
(-0.4%)
Abilene
Waco
100%
(+3.7%)
Nacogdoches
100%
(0.0%)
San Angelo
9.4%
(-0.4%)
71.9%
(+1.9%)
Temple Killeen
Beaumont Port Arthur
100%
(+0.3%)
Austin
40.6%
(+1.0%)
Houston
100%
(0.0%)
90 - 100%
80 - 90%
70 - 80%
60 - 70%
50 - 60%
40 - 50%
30 - 40%
20 - 30%
10 - 20%
0 - 10%
Percent
Full
62.9%
(+0.3%)
Laredo
47.6%
(+3.9%)
Corpus Christi
52.4%
(+1.6%)
Brownsville
Water Data
for Texas


DROUGHT CONDITIONS FOR
MAJOR IRRIGATION AREAS
April 21, 2015
(Released Thursday, Apr. 23, 2015)
Valid 7 a.m. EST
Reservoirs with Irrigation Water Rights
87.5% Percent Full on April 21, 2015
(+3.1%) Change from March 21, 2015
Major Irrigated Areas
Alan Henry
74.2%
(0.0%)
Kemp
25.2%
(-2.5%)
Possum Kingdom
63.7%
(+0.5%)
Granbury
67.6%
(+8.3%)
Fork
91.4%
(+4.6%)
Elephant Butte
19.8%
(+2.1%)
Red Bluff
82.4%
(-6.1%)
Limestone
100%
(0.0%)
Conroe
100%
(0.0%)
Twin Buttes
3.3%
(-0.1%)
Buchanan
36.6%
(+1.1%)
Amistad
62.9%
(+0.6%)
Medina
3.6%
(+0.3%)
Travis
36.7%
(+1.3%)
Houston
100%
(0.0%)
Falcon
39.3%
(+3.3%)
Reservoir Contents
90 - 100%
80 - 90%
70 - 80%
60 - 70%
50 - 60%
40 - 50%
30 - 40%
20 - 30%
10 - 20%
0 - 10%
Drought Intensity:
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought
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USDA
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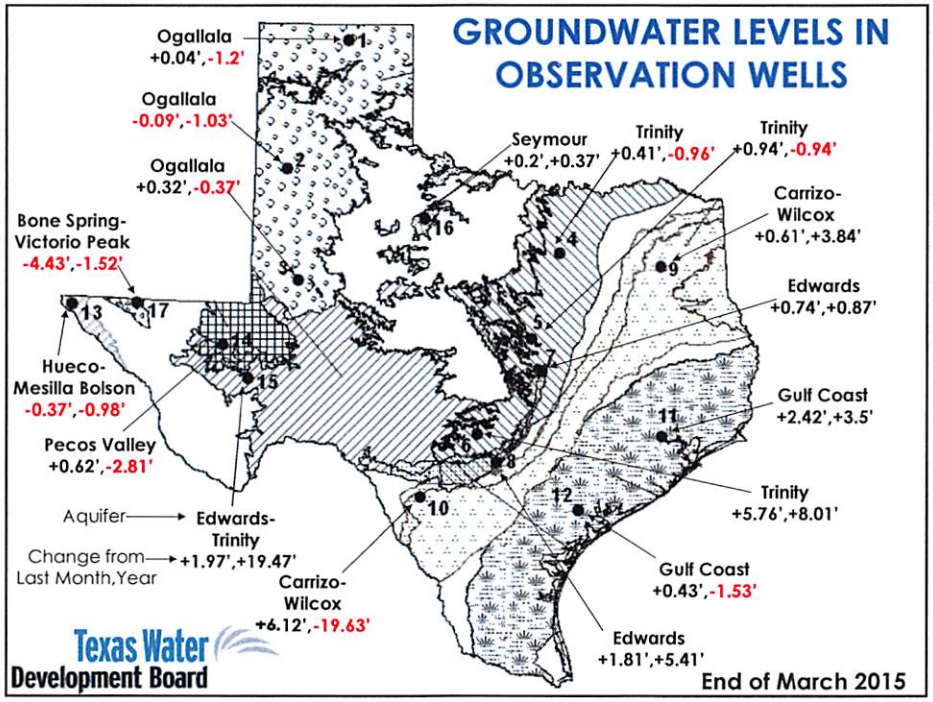
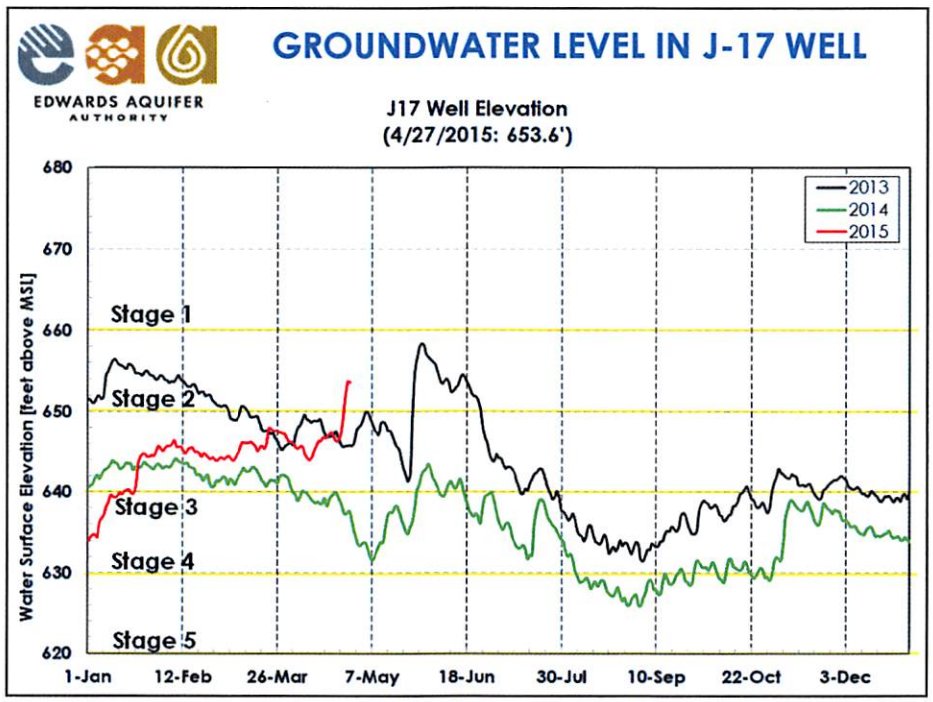
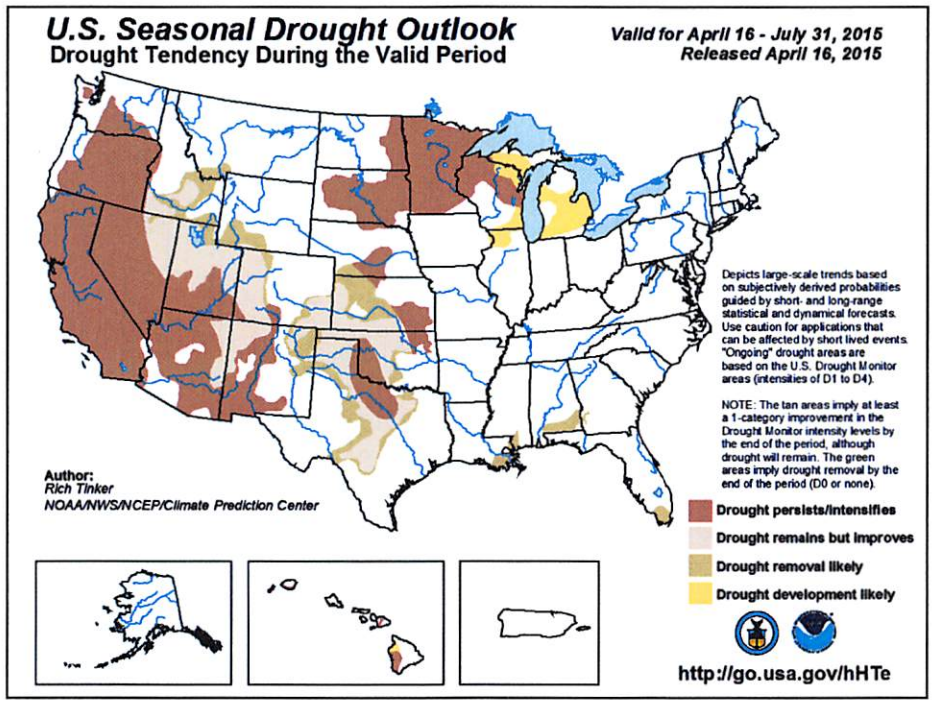

GROUNDWATER LEVELS IN OBSERVATION WELLS
Ogallala +0.04',-1.2'
Ogallala -0.09',-1.03'
Ogallala +0.32',-0.37'
Bone Spring-Victorio Peak -4.43',-1.52'
Hueco-Mesilla Bolson -0.37',-0.98'
Pecos Valley +0.62',-2.81'
Aquifer → Edwards-Trinity
Change from Last Month,Year → +1.97',+19.47'
Carrizo-Wilcox +6.12',-19.63'
Seymour +0.2',+0.37'
Trinity +0.41',-0.96'
Trinity +0.94',-0.94'
Carrizo-Wilcox +0.61',+3.84'
Edwards +0.74',+0.87'
Gulf Coast +2.42',+3.5'
Trinity +5.76',+8.01'
Gulf Coast +0.43',-1.53'
Edwards +1.81',+5.41'
Texas Water Development Board
End of March 2015


GROUNDWATER LEVEL IN J-17 WELL
EDWARDS AQUIFER AUTHORITY
J17 Well Elevation
(4/27/2015: 653.6')
Water Surface Elevation [feet above MSL]
680
670
660
650
640
630
620
Stage 1
Stage 2
Stage 3
Stage 4
Stage 5
2013
2014
2015
1-Jan
12-Feb
26-Mar
7-May
18-Jun
30-Jul
10-Sep
22-Oct
3-Dec


U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid for April 16 - July 31, 2015
Released April 16, 2015
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).
Author:
Rich Tinker
NOAA/NWS/NCEP/Climate Prediction Center
Drought persists/intensifies
Drought remains but improves
Drought removal likely
Drought development likely
http://go.usa.gov/hHTe