

Trusted life source for generations



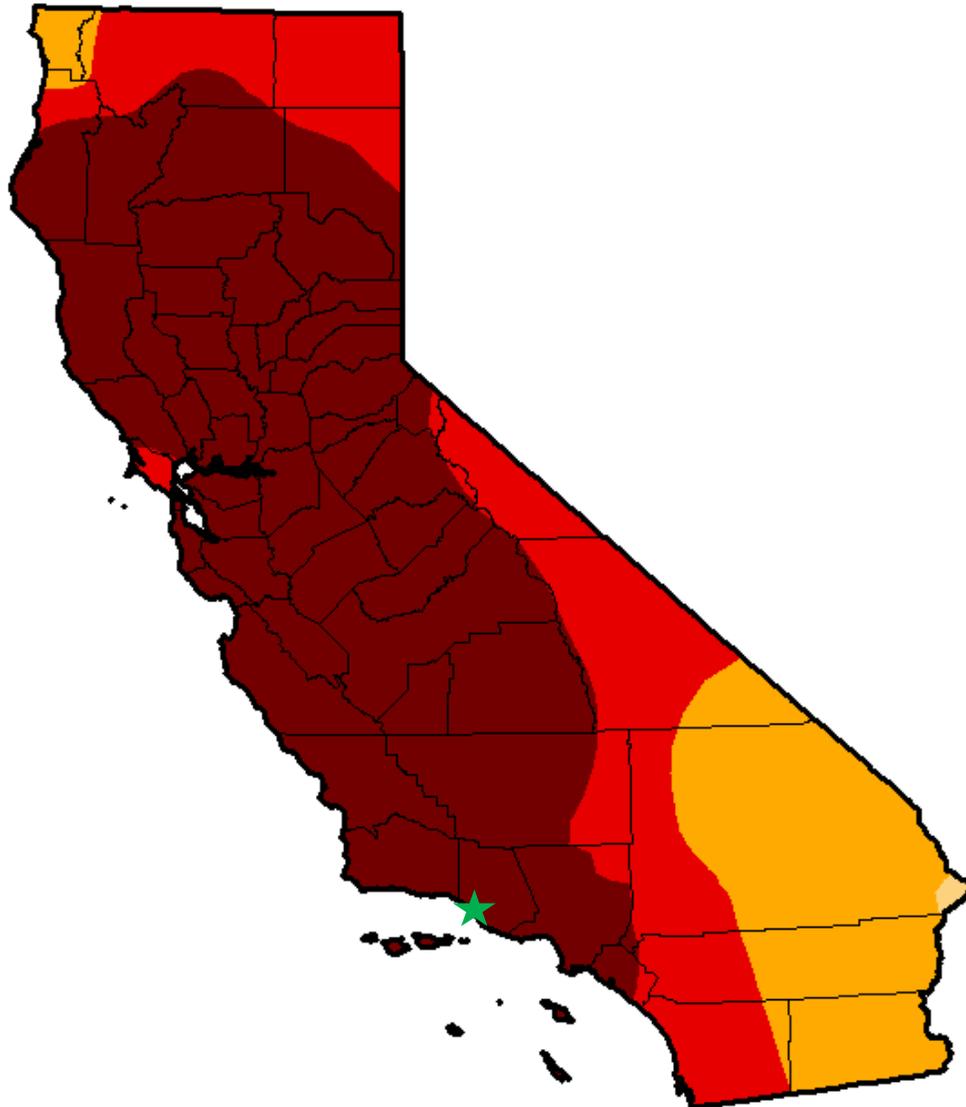
Water Shortage Task Force

Shana Epstein
Ventura Water General Manager

August 13, 2014

U.S. Drought Monitor California

August 5, 2014
(Released Thursday, Aug. 7, 2014)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	99.80	81.92	58.41
Last Week <i>7/29/2014</i>	0.00	100.00	100.00	100.00	81.89	58.41
3 Months Ago <i>5/6/2014</i>	0.00	100.00	100.00	95.93	76.68	24.77
Start of Calendar Year <i>12/31/2013</i>	2.61	97.39	94.25	87.53	27.59	0.00
Start of Water Year <i>10/1/2013</i>	2.63	97.37	95.95	84.12	11.36	0.00
One Year Ago <i>8/6/2013</i>	0.00	100.00	98.23	93.86	0.00	0.00

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.

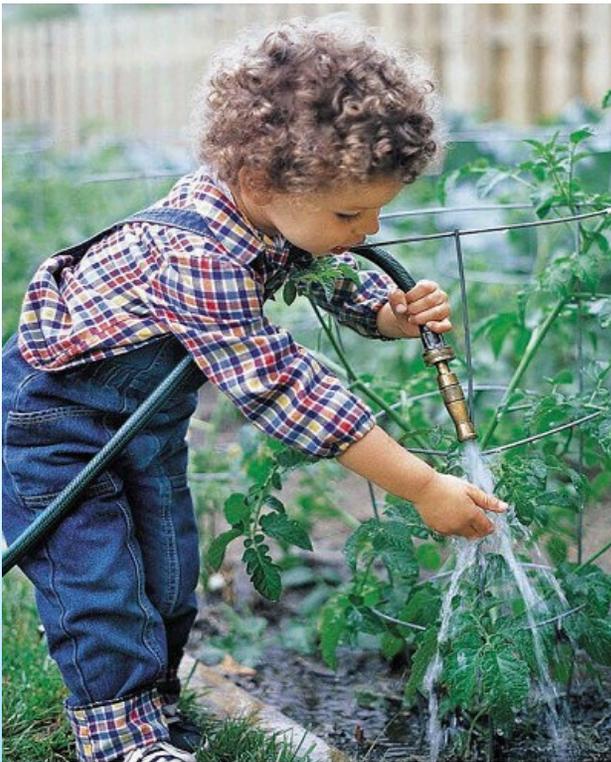
Author:

*Brad Rippey
U.S. Department of Agriculture*

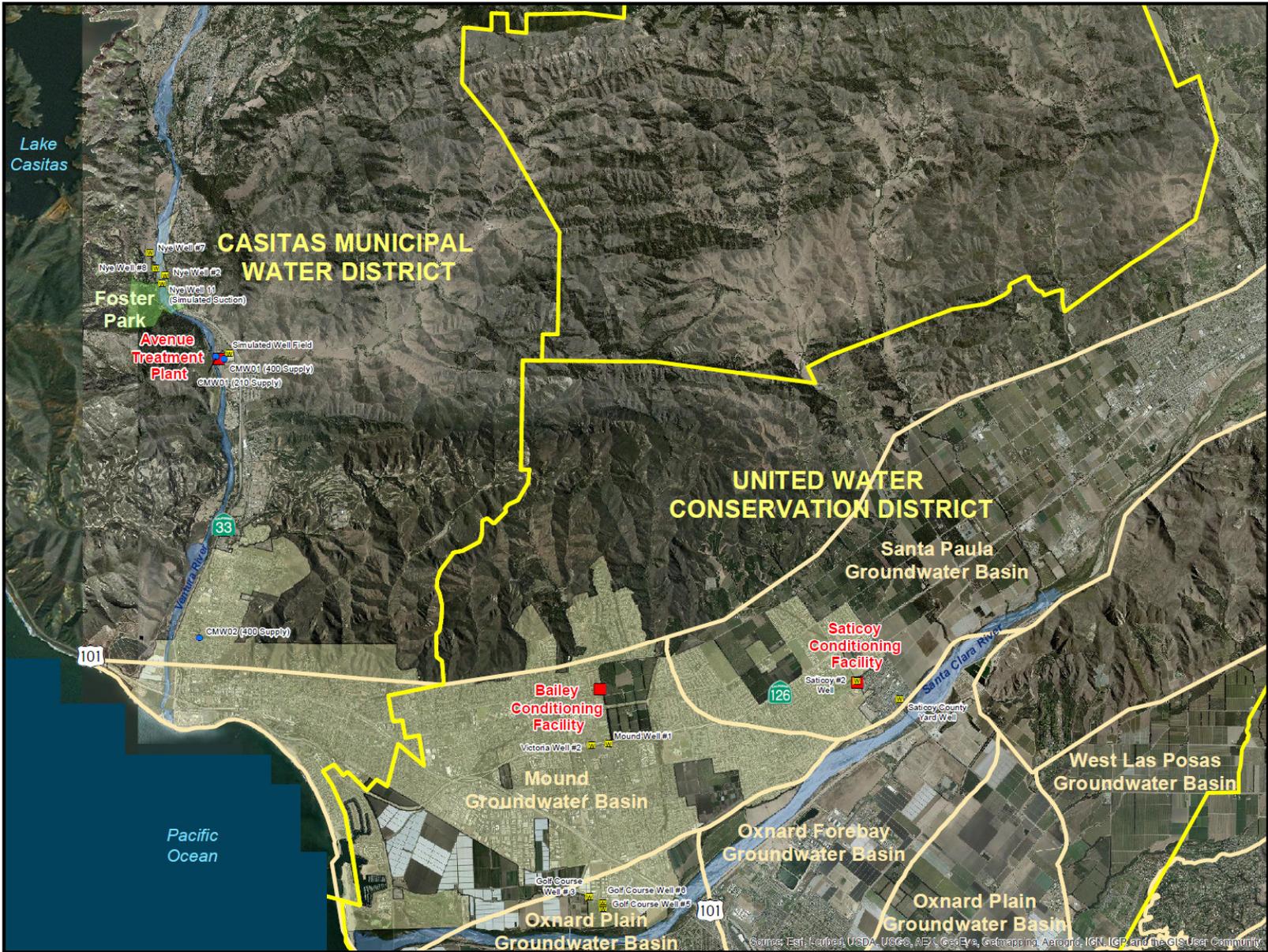


<http://droughtmonitor.unl.edu/>

100% Local Sources of Water



- **Casitas Municipal Water District (Lake Casitas)**
- **Ventura River**
- **Santa Paula Basin**
- **Mound Basin**
- **Oxnard Plain Basin**
- **Recycled Water**



CITY OF VENTURA



Supply Sources

Legend

- Casitas Turnout
- Well
- City of Ventura Treatment Plant or Conditioning Facility
- Groundwater Basins
- Regional Water District Boundaries
- Ventura City Limit



Source: Eagle Aerial, 2010



Exhibit 4-1

M:\Mdata\10104362\January 2013\EX4_1_SupplySources_L11x17.mxd 2/19/2013-- DJ

Sources: Esri, DeLorme, USDA, USGS, AeroV, GeoEye, IGN, AerGRID, IGN, IGP, and the GIS User Community

Ventura Water Supply Conditions

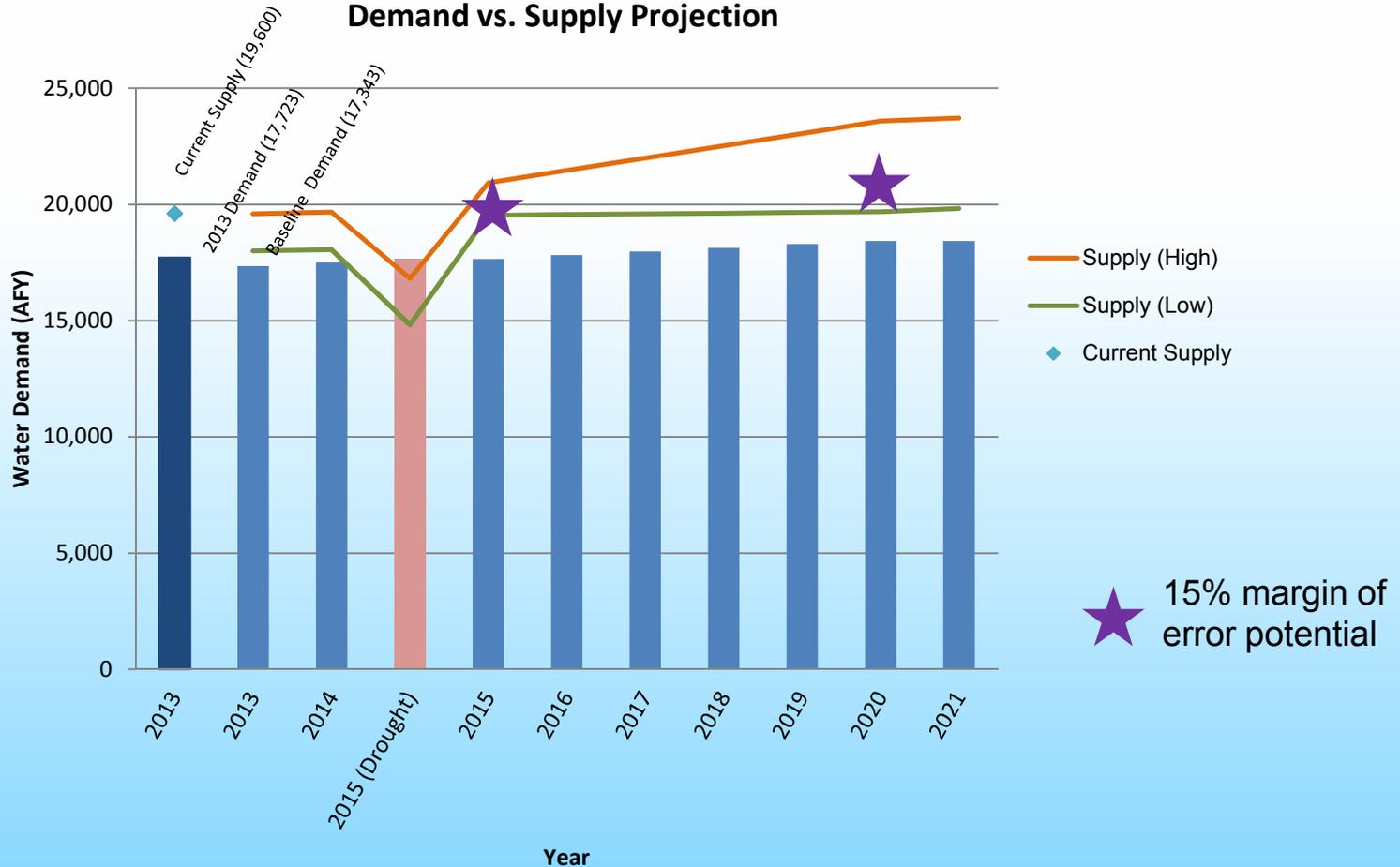
- **Diminishing Ventura River supply**
- **Groundwater wells limited operation**
- **Fox Canyon GMA restriction**
- **Casitas Lake at 55% capacity**





Demand vs Supply Projection

Figure 5-1
Demand vs. Supply Projection



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Water Supply Source	2015 Supply Drought Impact (AFY)	2015 Supply Average (AFY)
Casitas Municipal Water District	4,600	5,111
Ventura River / Foster Park	0-2,000	4,200
Mound Groundwater Basin	4,000	4,000
Oxnard Plain Groundwater Basin	3,918	3,918
Santa Paula Groundwater Basin - Original City Allocation - City Acquired Water Rights	1,600 5.8	1,600-3,000 5,8
Recycled Water	700	700
Total	14,824-16,824	19,535-20,935

10% Voluntary Reductions

- Called in February
- Targeted outdoor irrigation reductions (uses 40% to 60% of water)
- Average residential use 15,708 gallons every two months



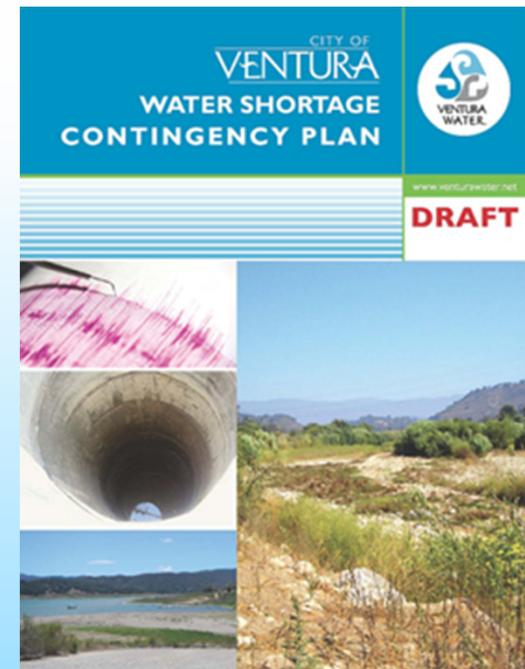
In just **10** minutes you could **save...**

- 10** percent on your water bill
- 10** thousand gallons of water
- 10** months of laundry water

Find and fix leaks!

July 15 State Action

- **Water suppliers to initiate programs**
 - **Water Surveys**
 - **Utilize Police and Fire as outreach**
- **Authorizes fines up to \$500**
 - **Specific water waste activities**
- **Implement Contingency Plan**
 - **Achieve 20% reduction from 2013**
 - **Rates and other actions**





Ventura's Compliance

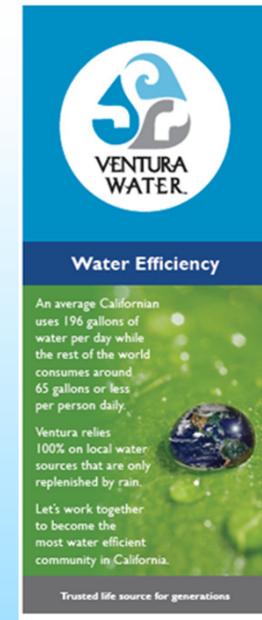
- **Water Waste Ordinance prohibited uses**
 - ***Allowing water to run to waste for outdoor use**
 - **Allowing leaks to persist past 48 hours**
 - ***Using a handheld hose to wash without a positive shutoff nozzle**
 - **Serving water to restaurant customers without first being asked**
 - ***Operating fountains without recycling the water**
 - ***Washing hardscape**
 - **Knowingly wasting water**

** Aligns with July 15 State action*



Ventura's Compliance

- **Water Waste Ordinance enforcement**
- **Begins with education**
 - **By City staff**
 - **By Neighbors**
- **City official warning**
- **Progressive fines starting at \$25**



Task Force Scope of Work

- **Define water use baseline to measure success**
 - State using 2013
- **Define additional outdoor water use restrictions per State mandate**
- **Update Water Shortage Contingency Plan**
 - Immediate 20%: water conservation behaviors/fines
 - Future: water conservation behaviors for each stage
 - Longevity for nimble response in future

Task Force Scope of Work

- **Evaluate Water Shortage Contingency Plan Rate Structure**
 - Immediate need
 - Longevity for nimble response in future
- **Evaluate potential rebate/incentive programs**
 - Types/strategy
 - Funding sources

Proposed Timeline

- **Task Force Meeting #2 recommendations**
 - **Outdoor water restrictions**
 - **Baseline methodology to measure success**
- **City Council Meeting – September 15**
 - **Declare water shortage emergency**
 - **Call for mandatory stage**
 - **Adopt ordinance to meet State mandates**



Proposed Timeline

- **Task Force Meeting #3/4**
 - **Water Shortage Contingency Plan Updates**
- **Task Force Meeting #5**
 - **Incentives/Rebates**
- **Task Force Meeting #6/7**
 - **Rates**

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Questions?

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