

DROUGHT AND WATER USE UPDATE

Water Authority Board

January 16, 2013



Albuquerque Bernalillo County
Water Utility Authority

U.S. Drought Monitor

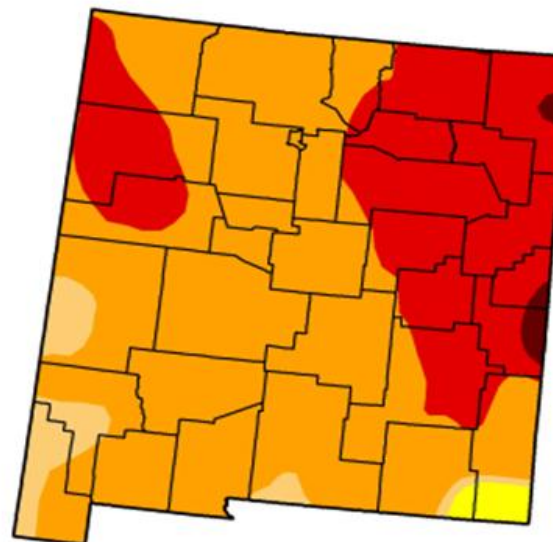
New Mexico

January 1, 2013
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	98.83	94.05	31.88	0.97
Last Week (12/25/2012 map)	0.00	100.00	98.83	92.35	23.73	0.97
3 Months Ago (10/02/2012 map)	0.00	100.00	99.73	62.37	12.28	0.68
Start of Calendar Year (01/01/2013 map)	0.00	100.00	98.83	94.05	31.88	0.97
Start of Water Year (09/25/2012 map)	0.00	100.00	100.00	62.56	12.25	0.66
One Year Ago (12/27/2011 map)	8.63	91.37	87.60	72.15	23.37	7.57

Intensity:

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



...Small Area of Exceptional Drought in Curry, Roosevelt & Union Counties...

...Extreme Drought in Much of Eastern and Far Northwest New Mexico...

...Severe Drought Nearly Everywhere Else...

2012 Calendar Year Review

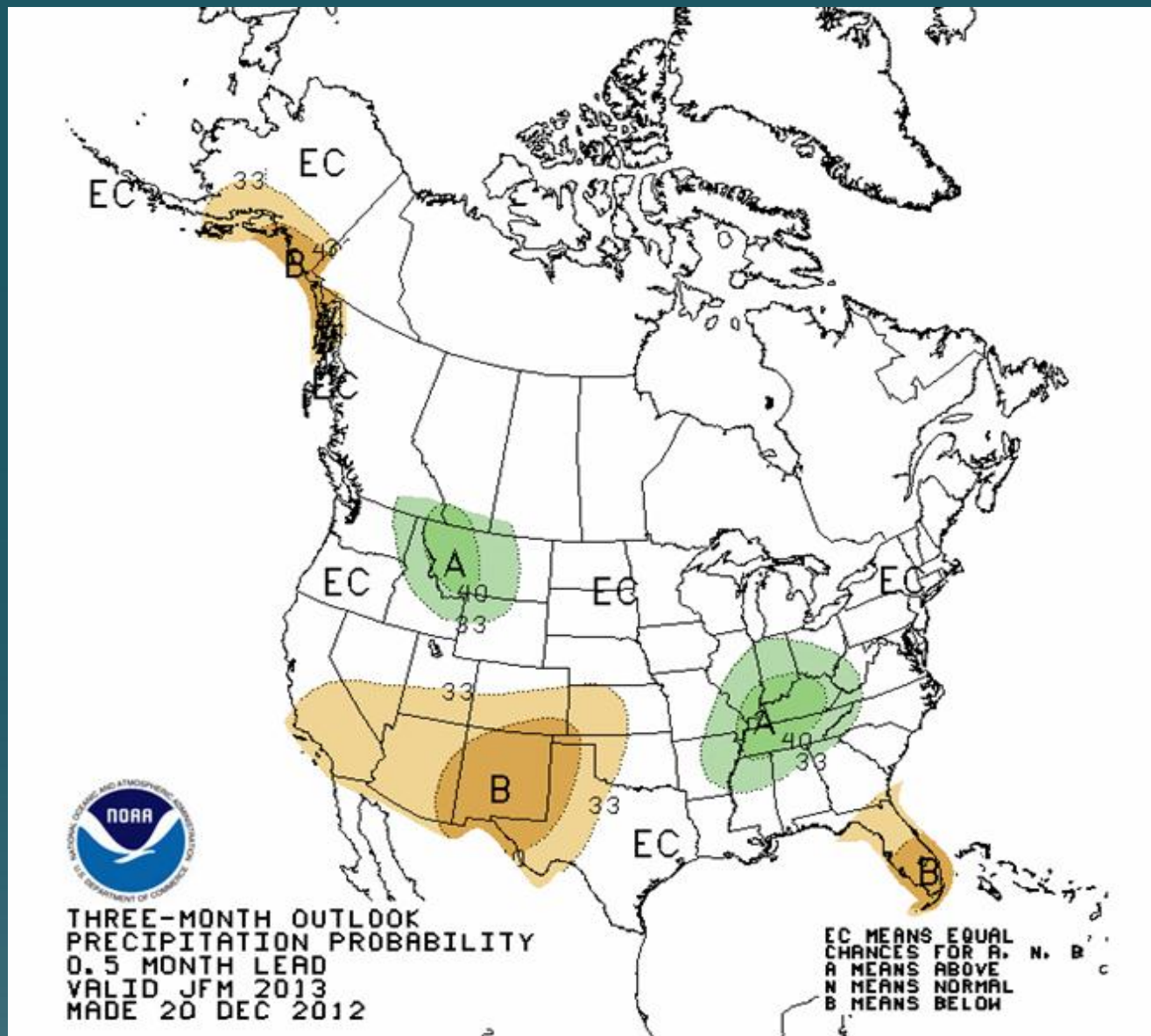
January through November 2012 statewide average precipitation was 58 percent of normal and the 2nd driest first eleven months of any year on record (since 1892). The Northeast Plains and Southern Deserts were the driest Climate Divisions with 50% and 51% of normal respectively, while the Southwest Mountains were the



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EC MEANS EQUAL
CHANCES FOR A. N. B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



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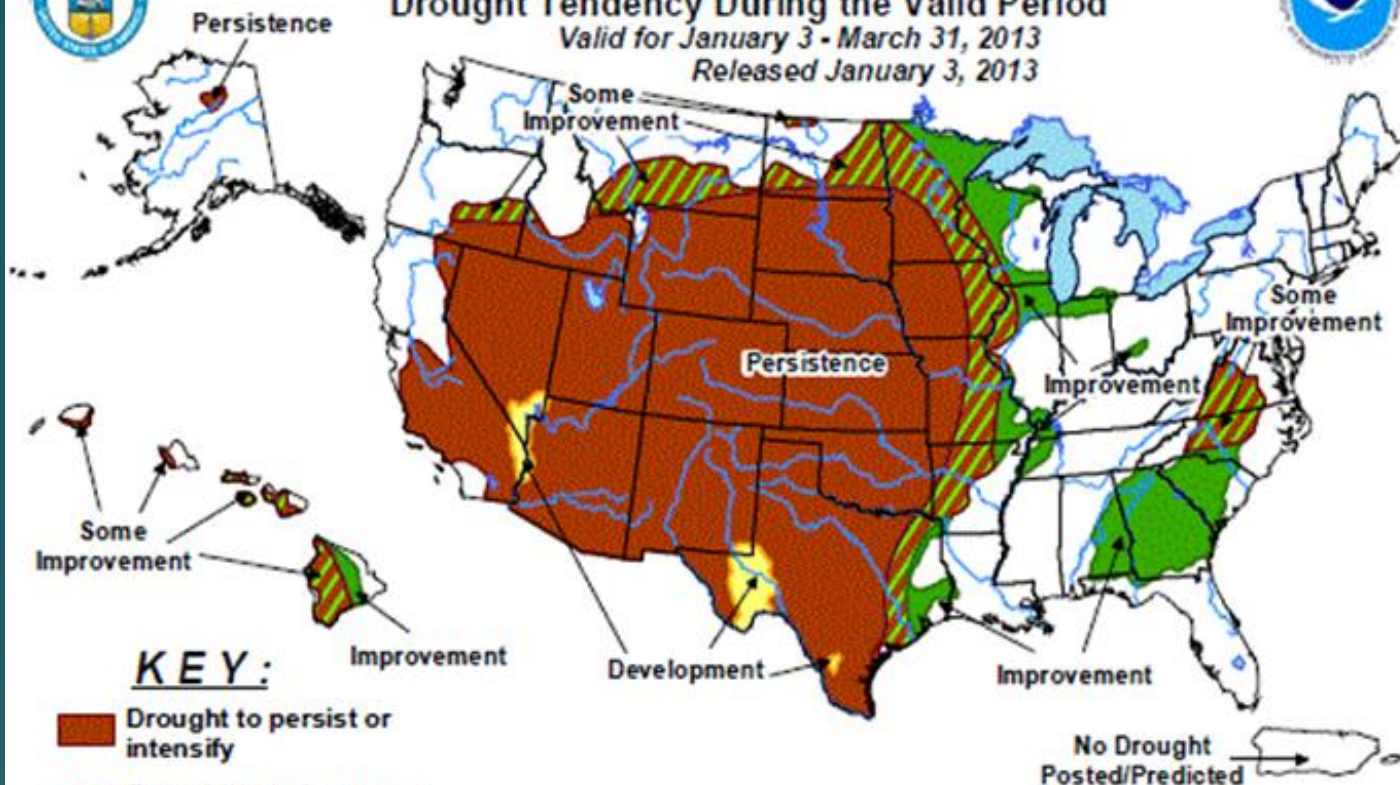


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for January 3 - March 31, 2013

Released January 3, 2013



KEY:

-  Drought to persist or intensify
-  Drought ongoing, some improvement
-  Drought likely to improve, impacts ease
-  Drought development likely

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events – such as individual storms – cannot be accurately forecast more than a few days in advance. Use caution for applications – such as crops – that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.



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Mid-Dec 2012 Plume of Model ENSO Predictions

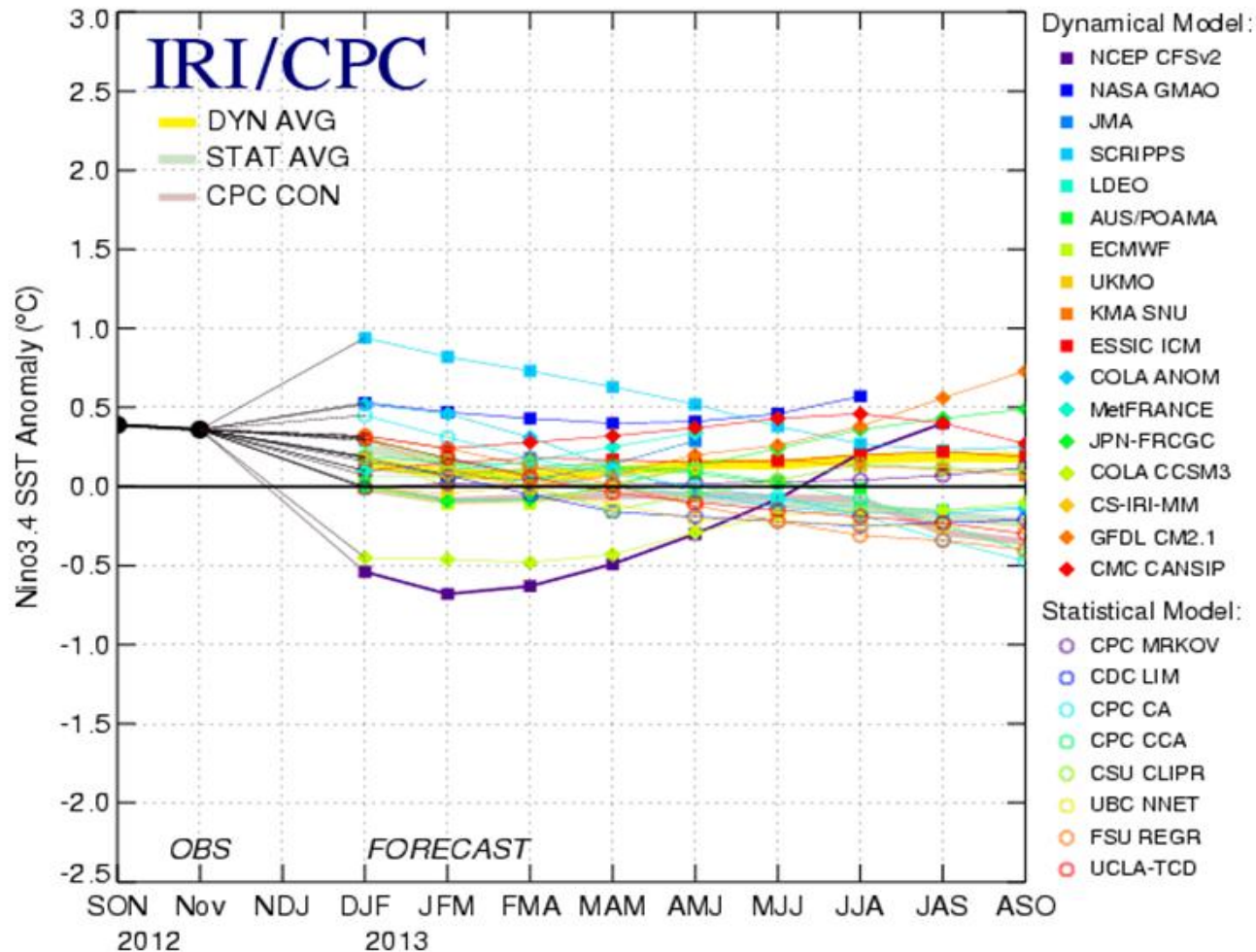


Figure provided by the International Research Institute (IRI) for Climate and Society



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Drought Stage Criteria Chart

Groundwater Pumping /GPCD	Less than 120% of the GW pumping goal	Between 120% and 130% of GW pumping goal	Between 130% and 140% of GW pumping goal	More than 140% of the GW pumping goal
< 2 GPCD over the goal	None	None	None	Stage 1
2-4 GPCD over the goal	None	Stage 1	Stage 1	Stage 2
4-6 GPCD over the goal	None	Stage 1	Stage 2	Stage 3
> 6 GPCD over the goal	Stage 1	Stage 2	Stage 3	Stage 3

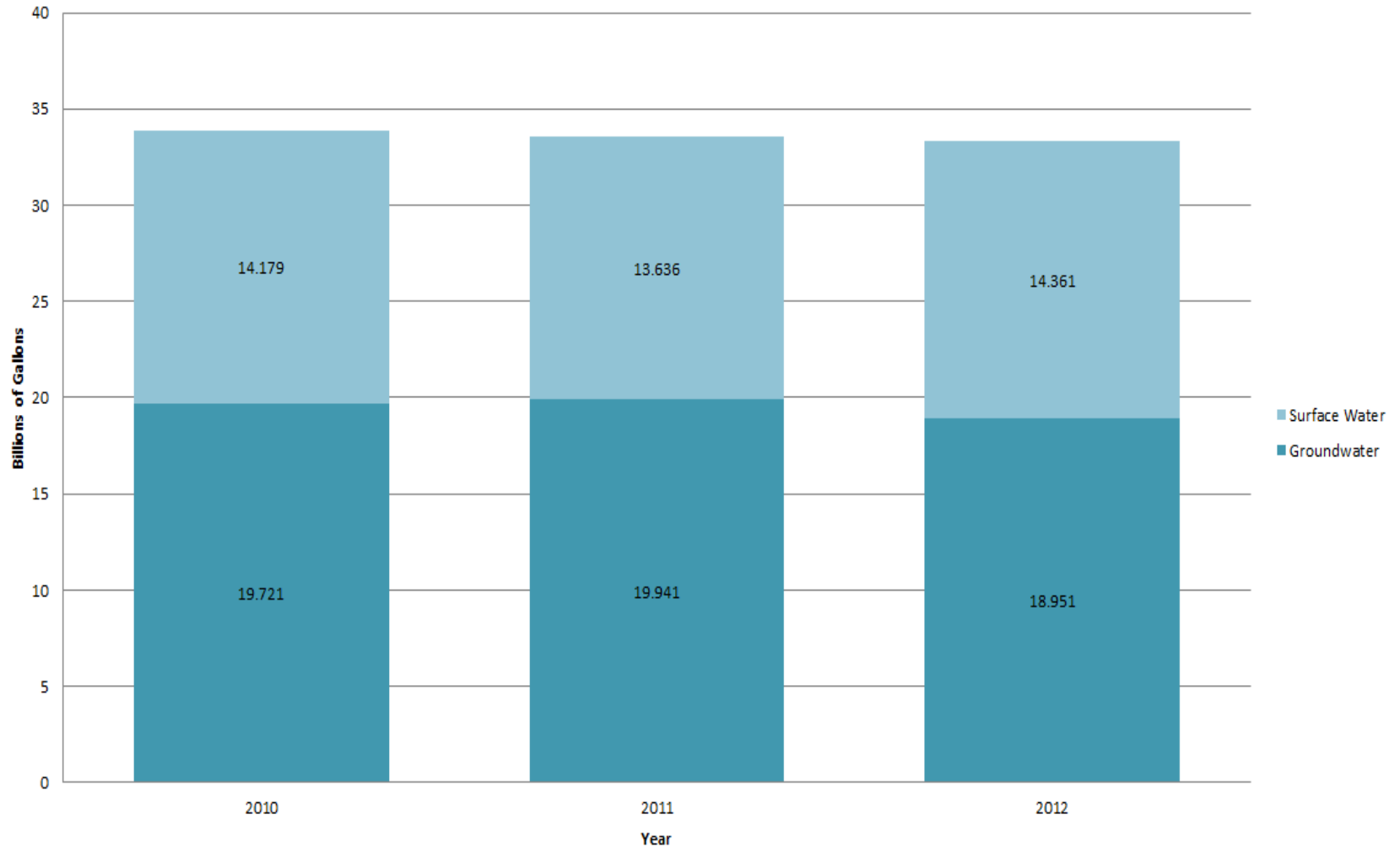


Reduction Methods for Drought Stage 1: Drought Watch

DROUGHT STAGE 1: DROUGHT WATCH		
Water Use Reduction Method	Savings Goals as a percentage of total annual ground water production	Average Savings Goals in acre-feet (based on 2012- 2022 goals)
Increase public education	12%	4,653
Double Fees for Wasting Water	5%	1,938
Offer Drought Smart \$20 rebate classes	3%	1,163
TOTAL	20%	7,754



Water Authority Groundwater and Surface Water Production Comparison 2010-2012



NOTE: Chart contains only Water Authority system wells and surface water production. Non-system wells and reuse are not included.



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