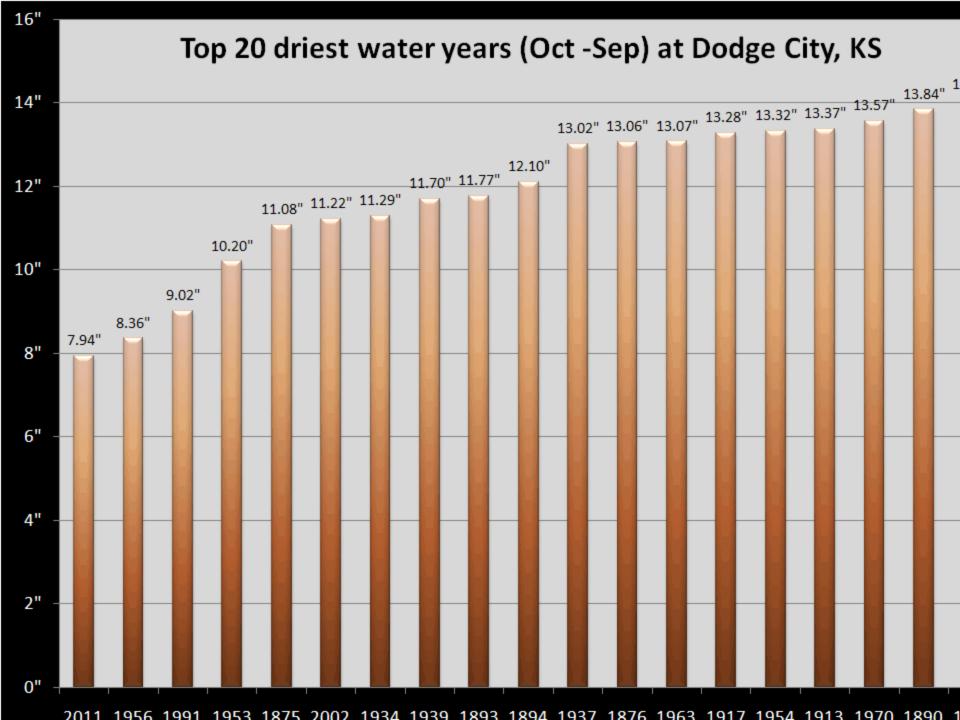


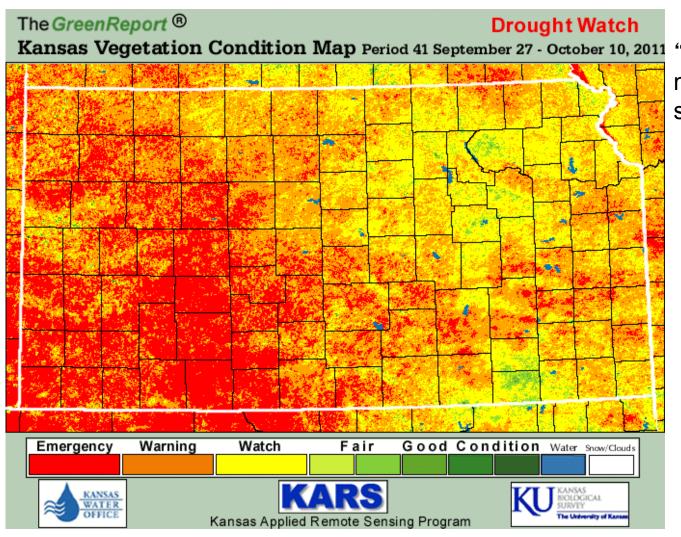
Department of Agriculture

Division of Water Resources

Lane Letourneau, L.G. Water Appropriation Program Manager



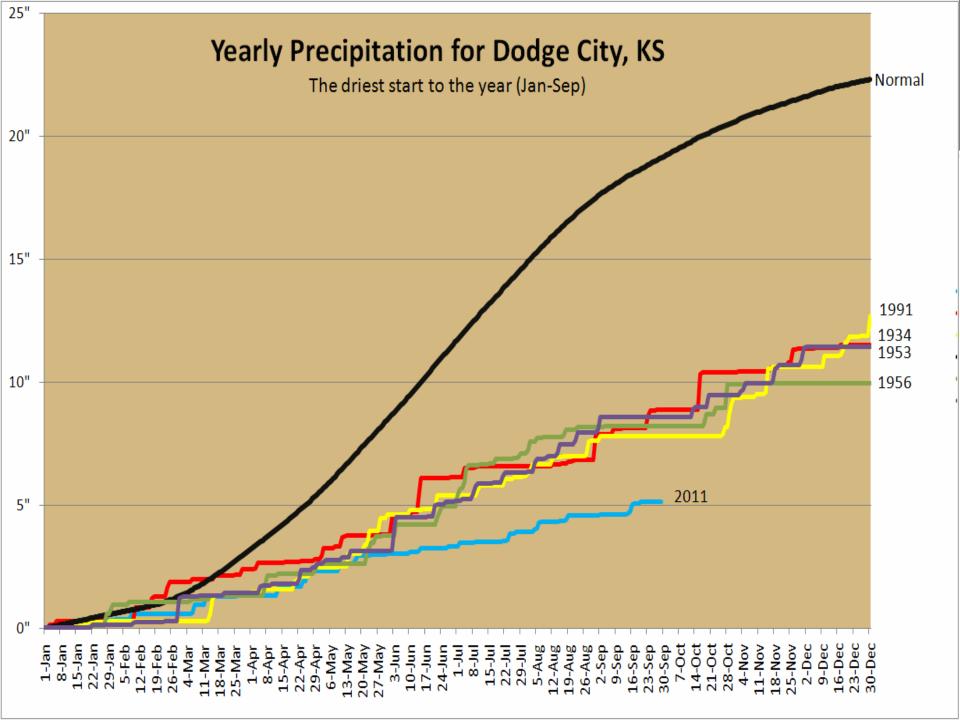
Severe Drought of 2011

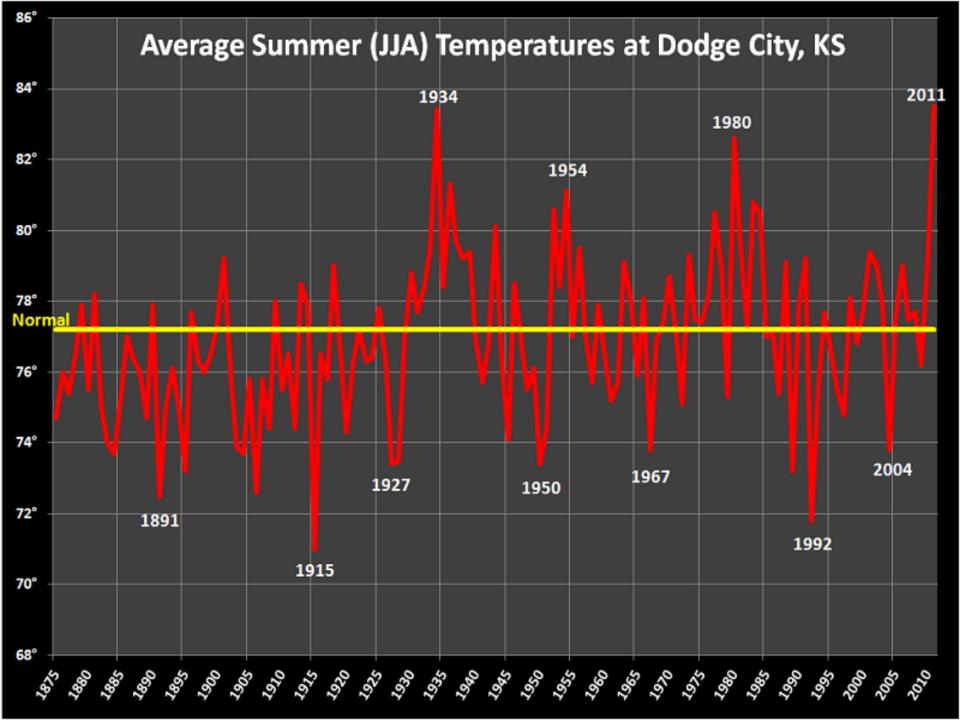


"This is the worst map I have ever seen."

John Lomas
Research
Analyst
Kansas Applied
Remote Sensing
Program







U.S. Drought Monitor

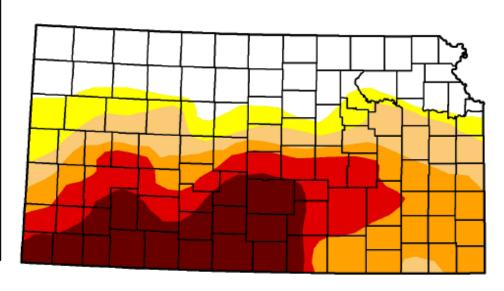
August 30, 2011

Valid 7 a.m. EST

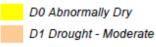
Kansas

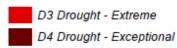
Drought Conditions (Percent Area)

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	27.92	72.08	62.31	49.78	31.86	17.46
Last Week (08/23/2011 map)	28.77	71.23	62.24	49.07	23.54	14.55
3 Months Ago (05/31/2011 map)	24.53	75.47	57.17	35.80	11.60	1.05
Start of Calendar Year (12/28/2010 map)	17.82	82.18	43.85	3.48	0.00	0.00
Start of Water Year (09/28/2010 map)	83.23	16.77	0.00	0.00	0.00	0.00
One Year Ago (08/24/2010 map)	92.17	7.83	0.00	0.00	0.00	0.00



Intensity:





D2 Drought - Severe

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





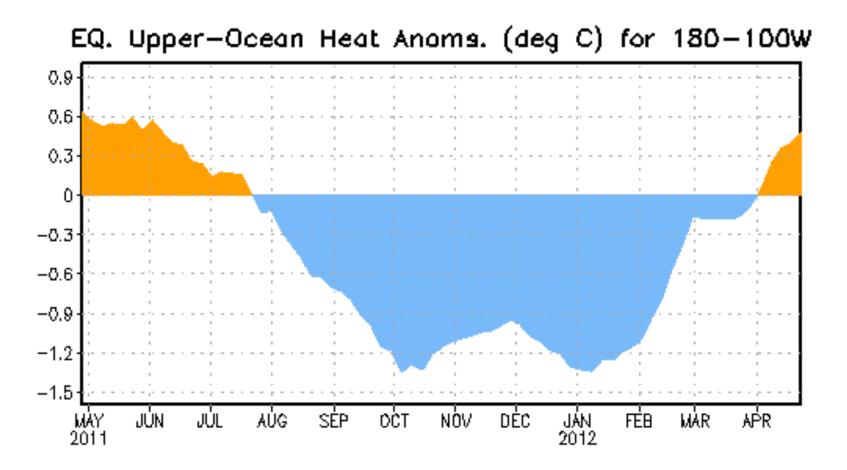




Released Thursday, September 1, 2011 Eric Luebehusen, USDA

La Niña Link

During La Niña, cooler-than-average Pacific Ocean temperatures influence global weather patterns.



Multi-Year Flex Account

- Average Water Use From 2000 to 2009 x 5
- Mandatory 10% conservation factor
- Example:
 - Average Use 2000-2009 = 100 AF
 - 100 x 5 = 500 AF
 - 500 AF x 10% conservation factor= 50 AF
 - 500 AF- 50 AF= 450 AF
 - 5 year MYFA allocation= 450 AF
- If significant water conservation measures were implemented during the period from 2000 to 2009 we may consider years prior to implementation.

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Why Drought Term Permits?

- When the significance of the drought became apparent in late June, Kansas Legislators began talking to DWR about the potential of "amnesty" for individuals who over-pump
- DWR quickly came up with a plan to implement a program to deal with over-pumping, without granting amnesty.
- Extremely short timeframe (less than a week) for developing policies, forms and implementation.

Department of Agriculture
Division of Water Resources

Drought Emergency Term Permits

The Chief Engineer offered a one-time sign up for Drought Emergency Term Permits.

- Suspend "base water right" and issue a term permit equal to original base quantity x 2.
- For use in 2011 and 2012



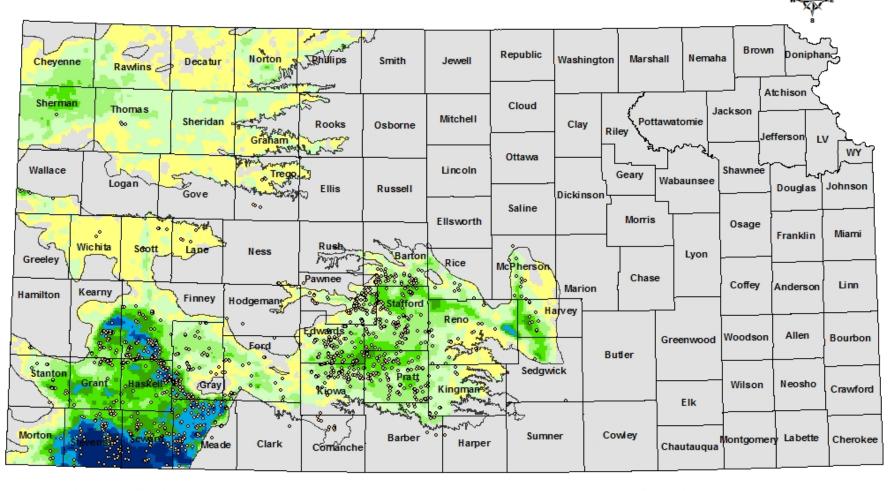
Why Drought Term Permits?

- Concept nearly identical to the Multi-Year Flex Account (MYFA) with a 2 year term instead of 5 year term.
 - Permit had to be separate from the water right, since quantity can't be increased on an existing file.
 - Had to be a type of application for which DWR already had statutory authority to accept, assess filing fees and approve a permit.

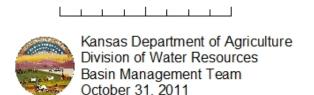
Department of Agriculture
Division of Water Resources

Intended to be aquifer neutral.

Distribution of 2011 Drought Emergency Term Permits as of October 31, 2011 and KGS Section Level Data on 2007-2009 Saturated Thickness







0

20

80 Miles

How many will we get?

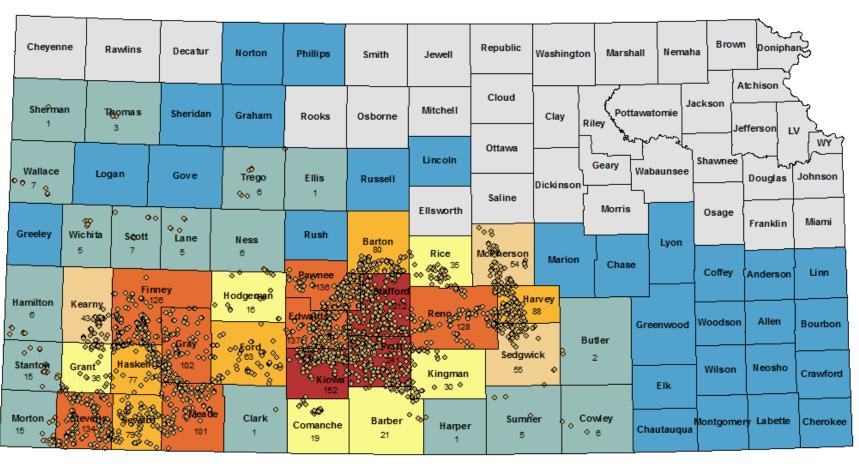
- Lane Letourneau: 25
- David Barfield: 75
- GMD 3: Hundreds



Distribution of 2011 Drought Emergency Term Permits as of January 25, 2012

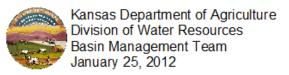


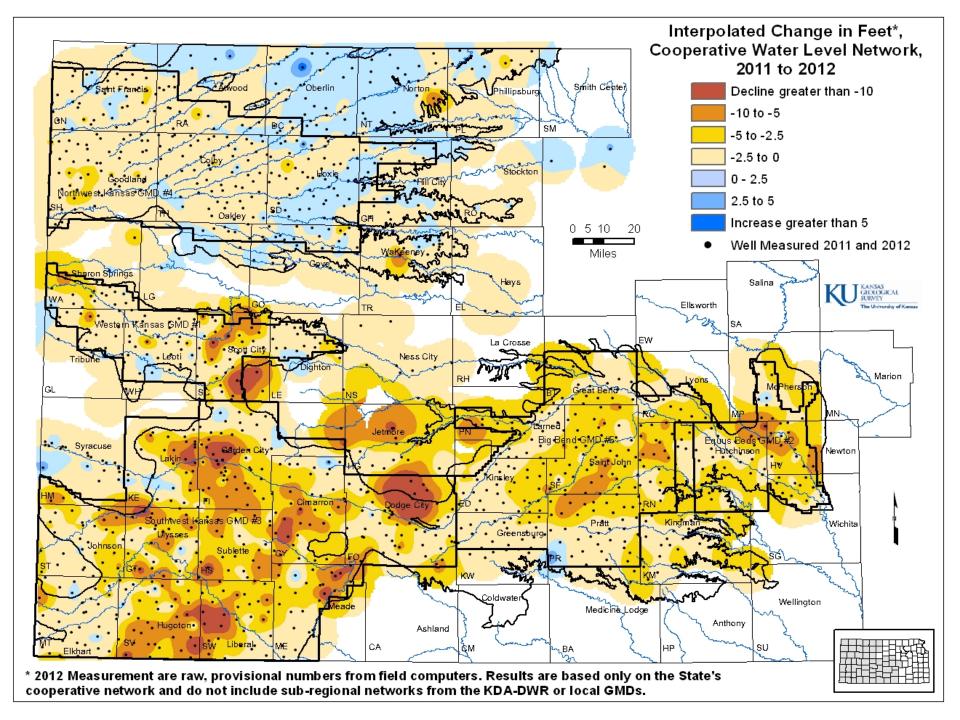
(Total of 2,257 Drought Term Permits Entered into WRIS)

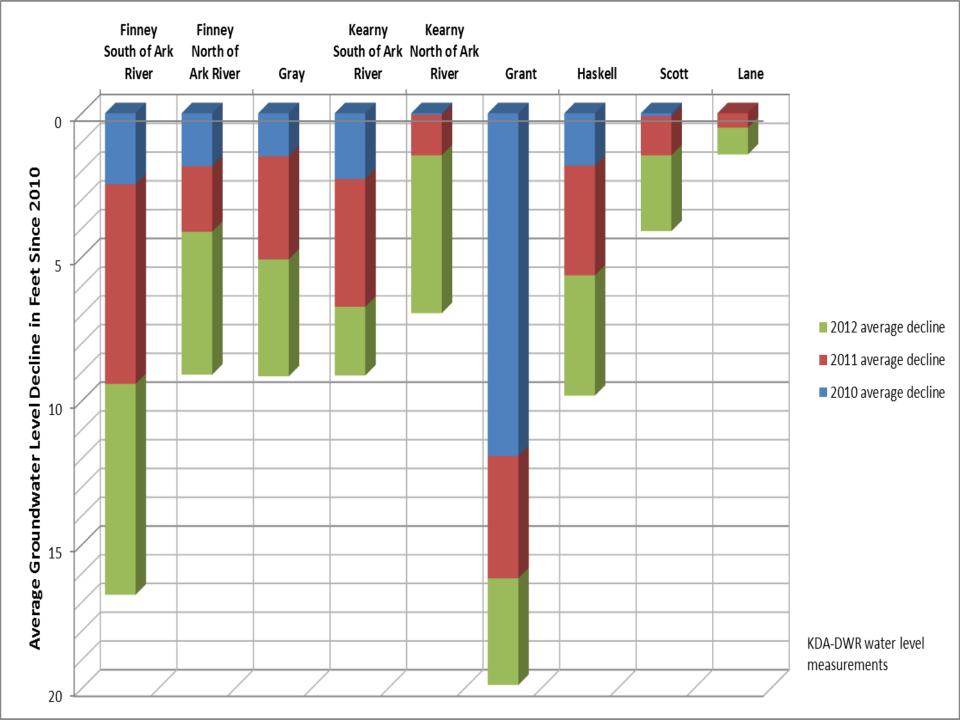












Flex Account Legislative Changes (2012)

Three Option Approach: Must be aquifer neutral

- 1. Historic Water Use from 2000 to 2009
 - Current system without a mandatory 10% conservation factor
- 2. 50% NIR For the maximum acres reported irrigated during 2000 to 2009
 - Max Reported Acres x 50% NIR / 90% / 12"
- 3. A system promulgated by the Groundwater Management Districts
 - Must be accepted by the chief engineer



Drought Term -> MYFA?

- Water right holders that received 2011 drought emergency term permits are allowed to convert to a MYFA by filing an application to do so:
 - The MYFA will NOT be reduced by their 2011 overuse.
 - The application fee is reduced to \$200.
 - Filing deadline is July 15, 2012.
 - Offers producers greater flexibility in compensating for their 2011 water use overage over the next 5 years.



Drought Term → MYFA?

- For those who overpumped in 2011 but did NOT apply for a 2011 drought emergency term permit:
 - Water right holders may avoid a sanction for the violation by applying for a MYFA
 - The application must be received by July 15, 2012
 - The filing fee is \$600
 - The MYFA <u>is</u> reduced by the amount of the 2011 overuse

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Hindsight is 20/20

- DWR has received many compliments on quickly developing and implementing a program to deal with the 2011 drought.
- The severity of the drought was worse than expected.

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 Concept of a "flexible" permit will be a permanent fixture of Kansas water appropriation with the revised MYFA program.

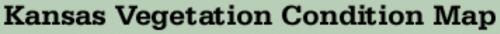
Questions?



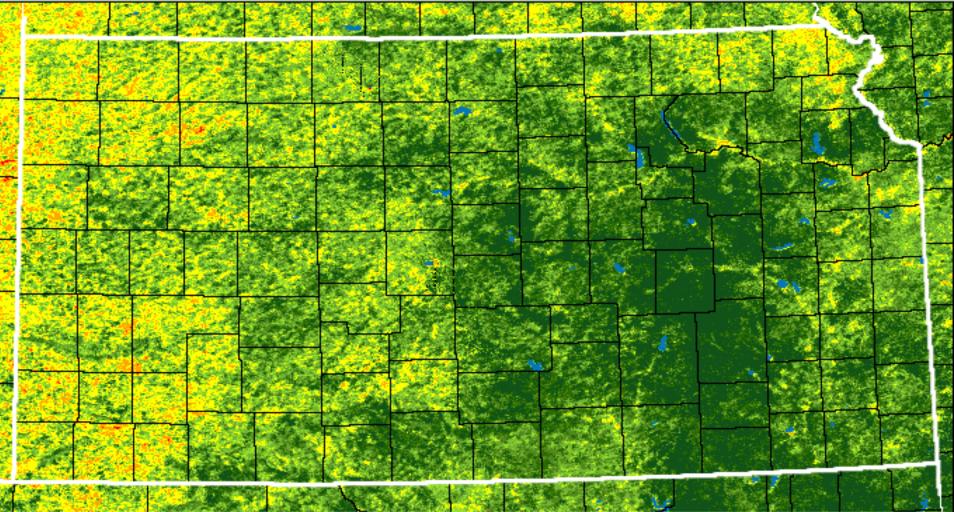


The Green Report®

Drought Watch



Period 17 April 10 - April 23, 2012

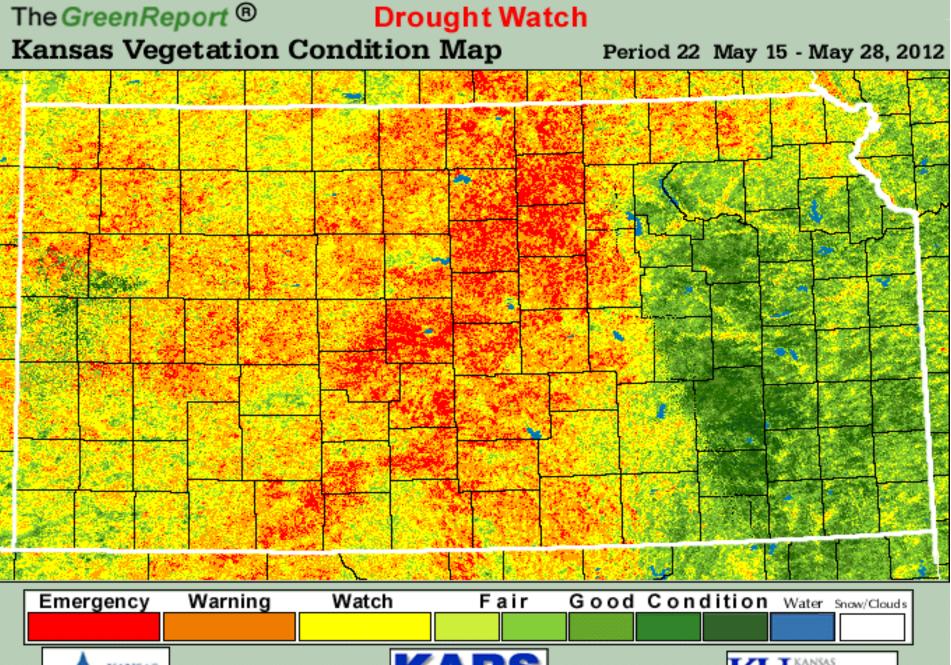


Emergency Warning Watch Fair Good Condition Water Snow/Clouds



KARS

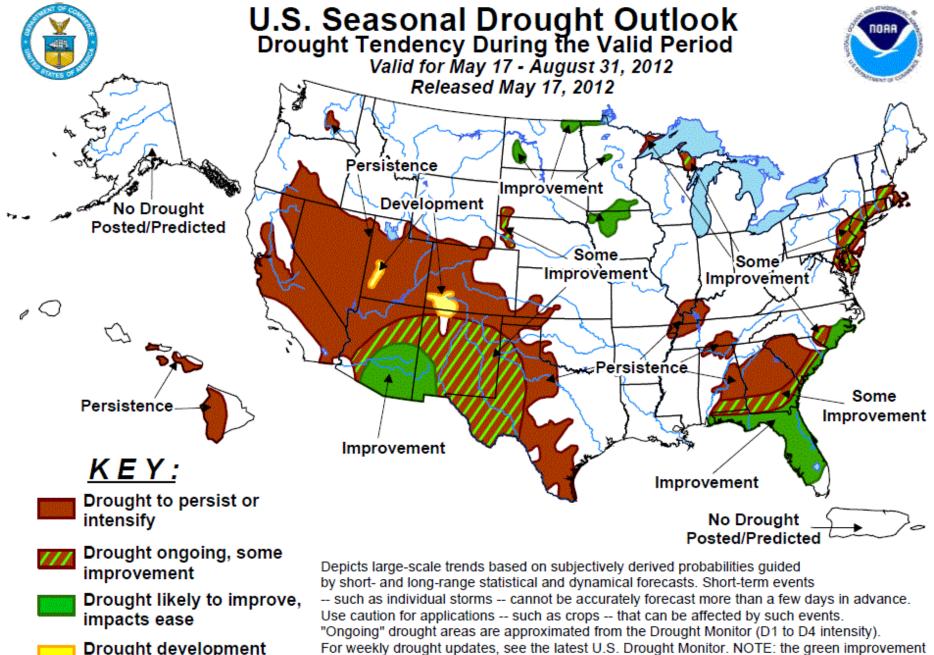












Drought development areas imply at least a 1-category improvement in the Drought Monitor intensity levels. likely but do not necessarily imply drought elimination.