Virginia Drought Monitoring Task Force

Current Conditions and Outlook

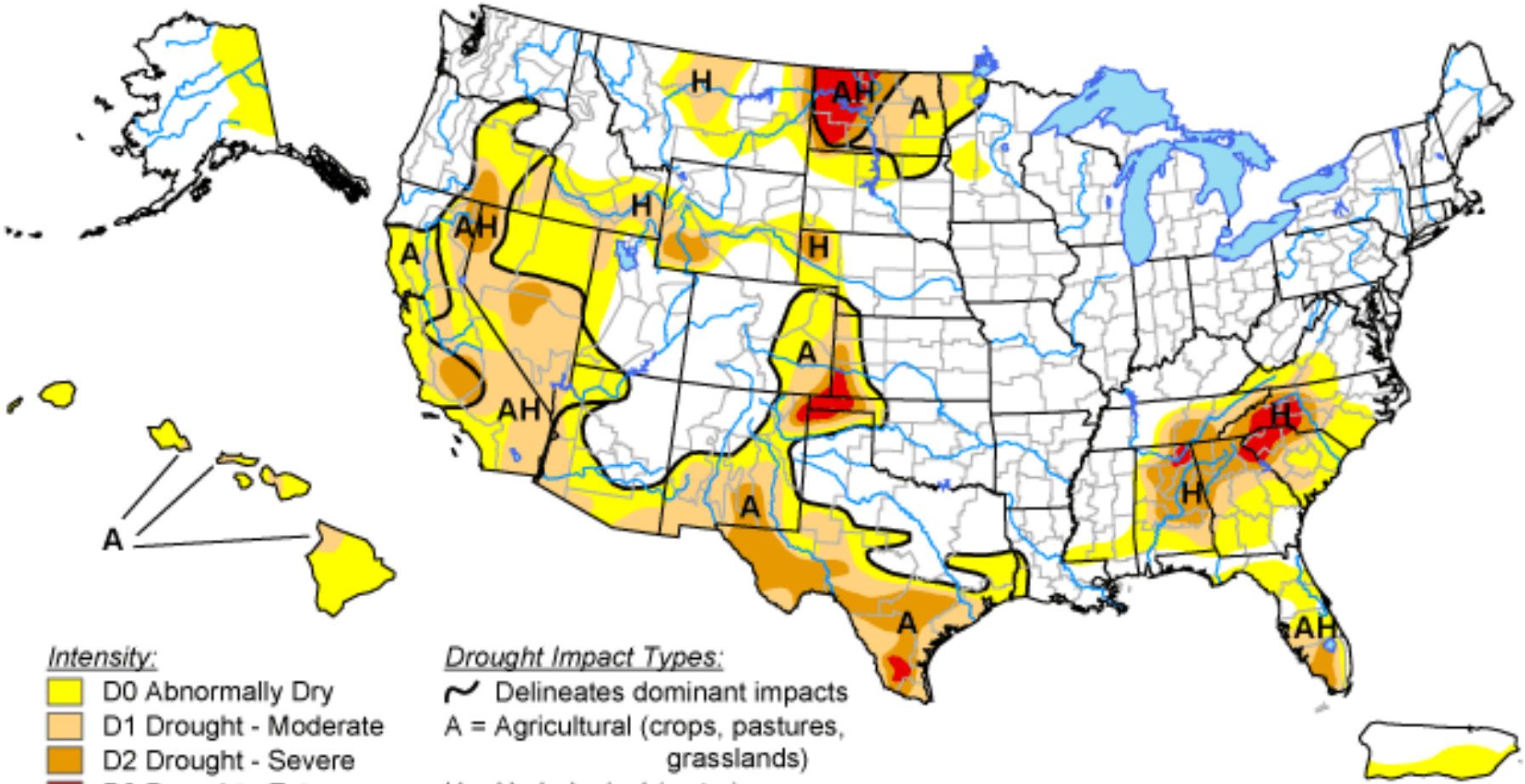
Monthly Reports

http://www.deq.virginia.gov/

“What’s new at DEQ”

U.S. Drought Monitor

May 27, 2008
Valid 8 a.m. EDT



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

Drought Impact Types:
- Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)

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

http://drought.unl.edu/dm

Released Thursday, May 29, 2008
Author: David Miskus, JAWF/CPC/NOAA

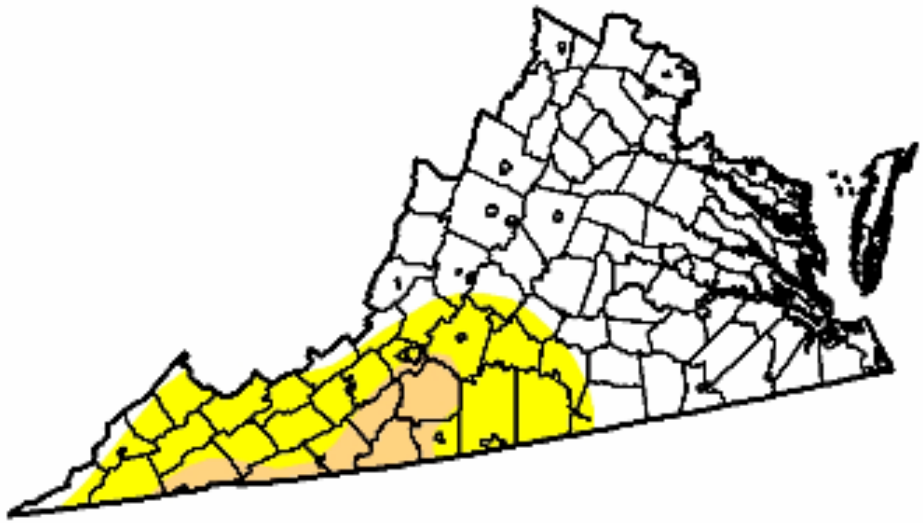
U.S. Drought Monitor

Virginia

May 27, 2008
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	66.9	33.1	7.6	0.0	0.0	0.0
Last Week (05/20/2008 map)	66.9	33.1	7.6	0.0	0.0	0.0
3 Months Ago (03/04/2008 map)	6.7	93.3	81.2	37.8	2.7	0.0
Start of Calendar Year (01/01/2008 map)	8.0	92.0	74.8	27.3	9.2	6.3
Start of Water Year (10/02/2007 map)	0.1	99.9	92.7	76.4	25.0	5.0
One Year Ago (05/29/2007 map)	64.8	35.2	9.3	0.7	0.0	0.0



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http://drought.unl.edu/dm

Released Thursday, May 29, 2008

Author: David Miskus, JAWF/CPC/NOAA

U.S. Drought Monitor

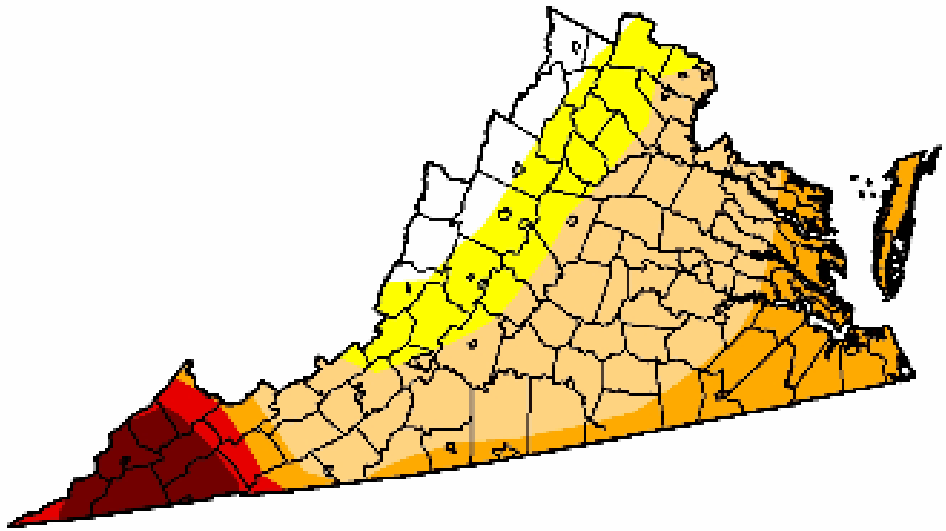
Virginia

December 18, 2007

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	8.0	92.0	74.8	29.5	9.2	6.3
Last Week (12/11/2007 map)	4.6	95.4	81.6	30.7	9.2	6.3
3 Months Ago (09/25/2007 map)	0.1	99.9	92.7	50.9	7.5	1.3
Start of Calendar Year (01/02/2007 map)	95.2	4.8	0.0	0.0	0.0	0.0
Start of Water Year (10/02/2007 map)	0.1	99.9	92.7	76.4	25.0	5.0
One Year Ago (12/19/2006 map)	99.7	0.3	0.0	0.0	0.0	0.0



Intensity:

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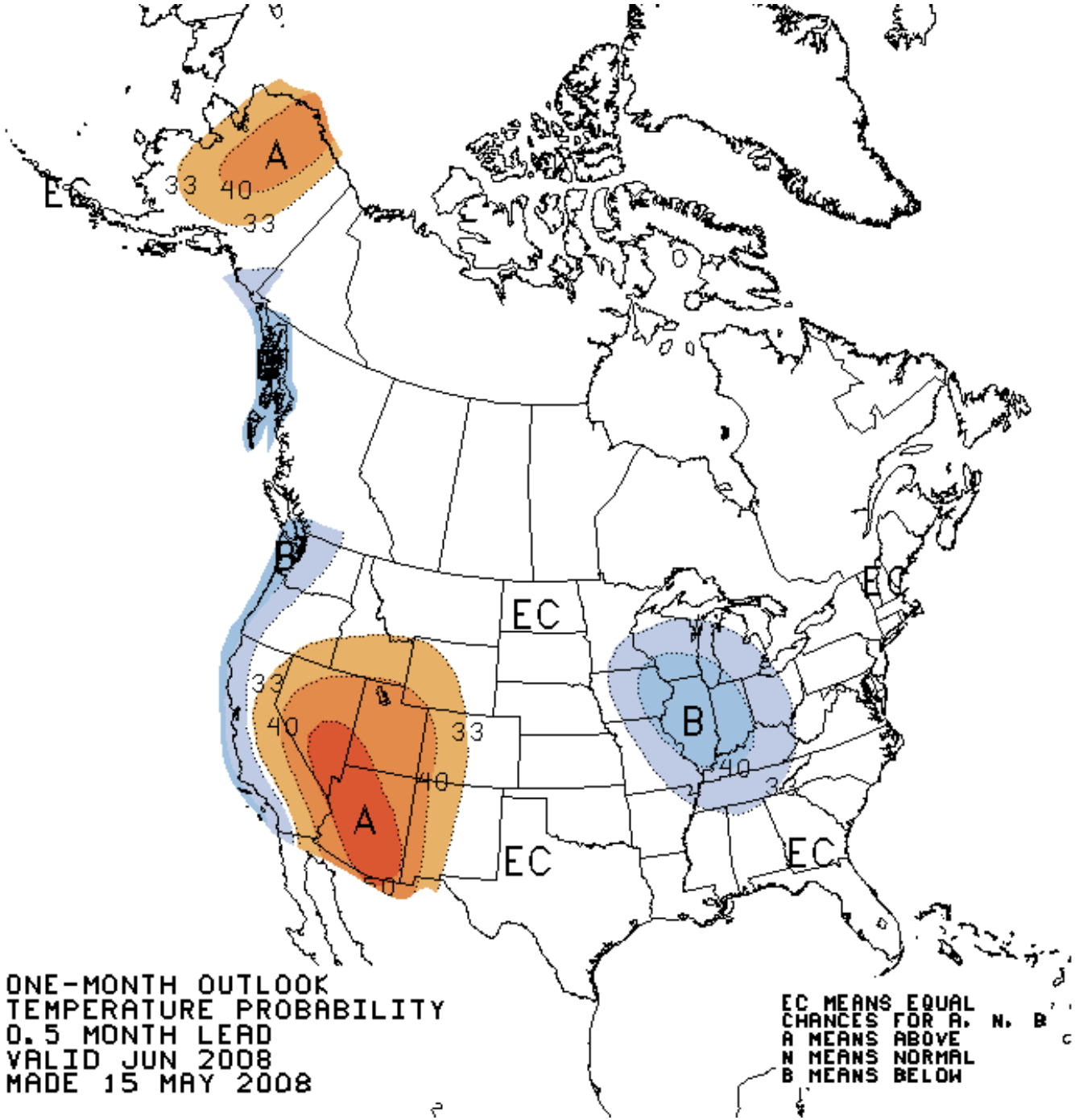
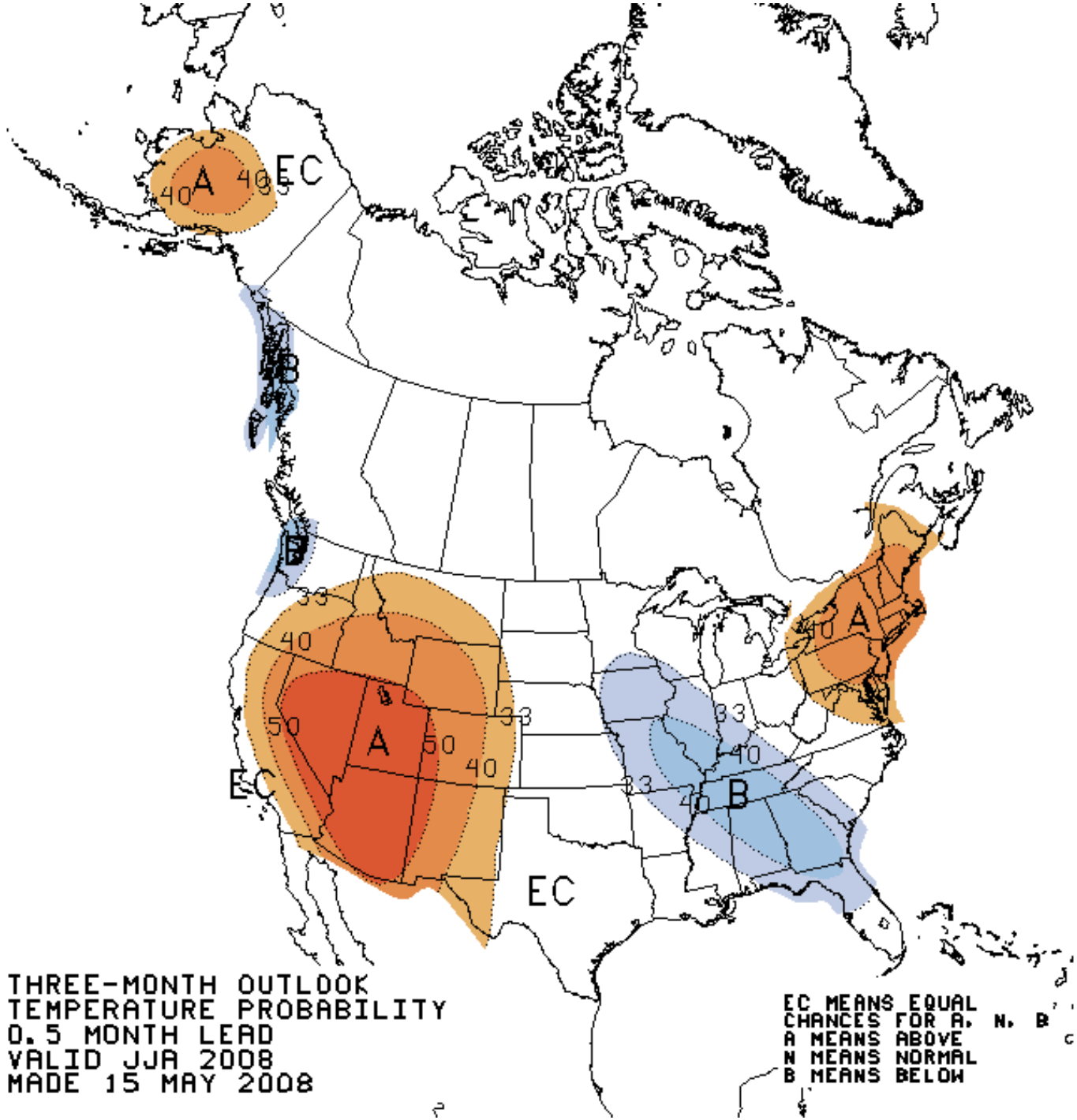
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements

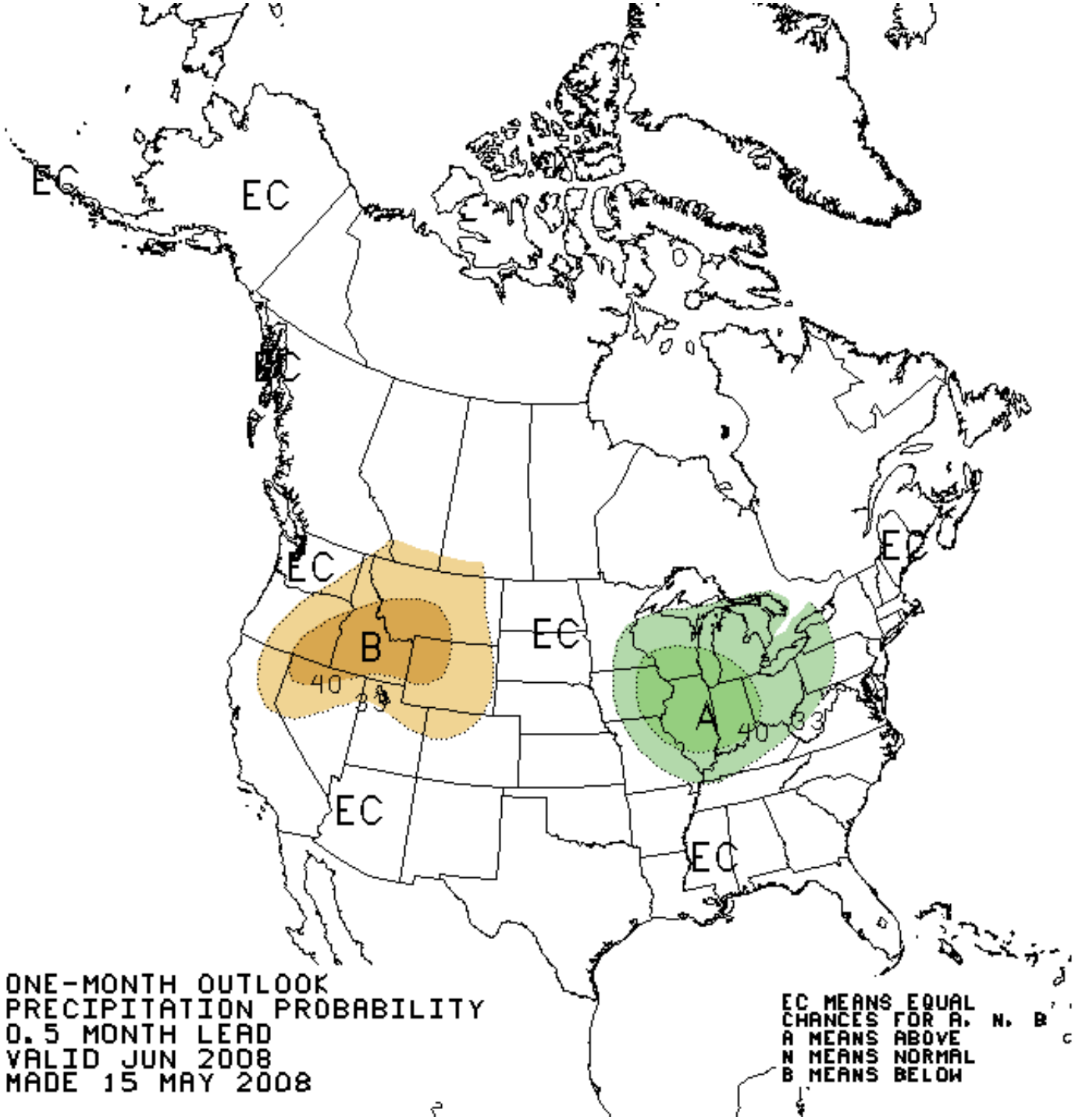
http://drought.unl.edu/dm

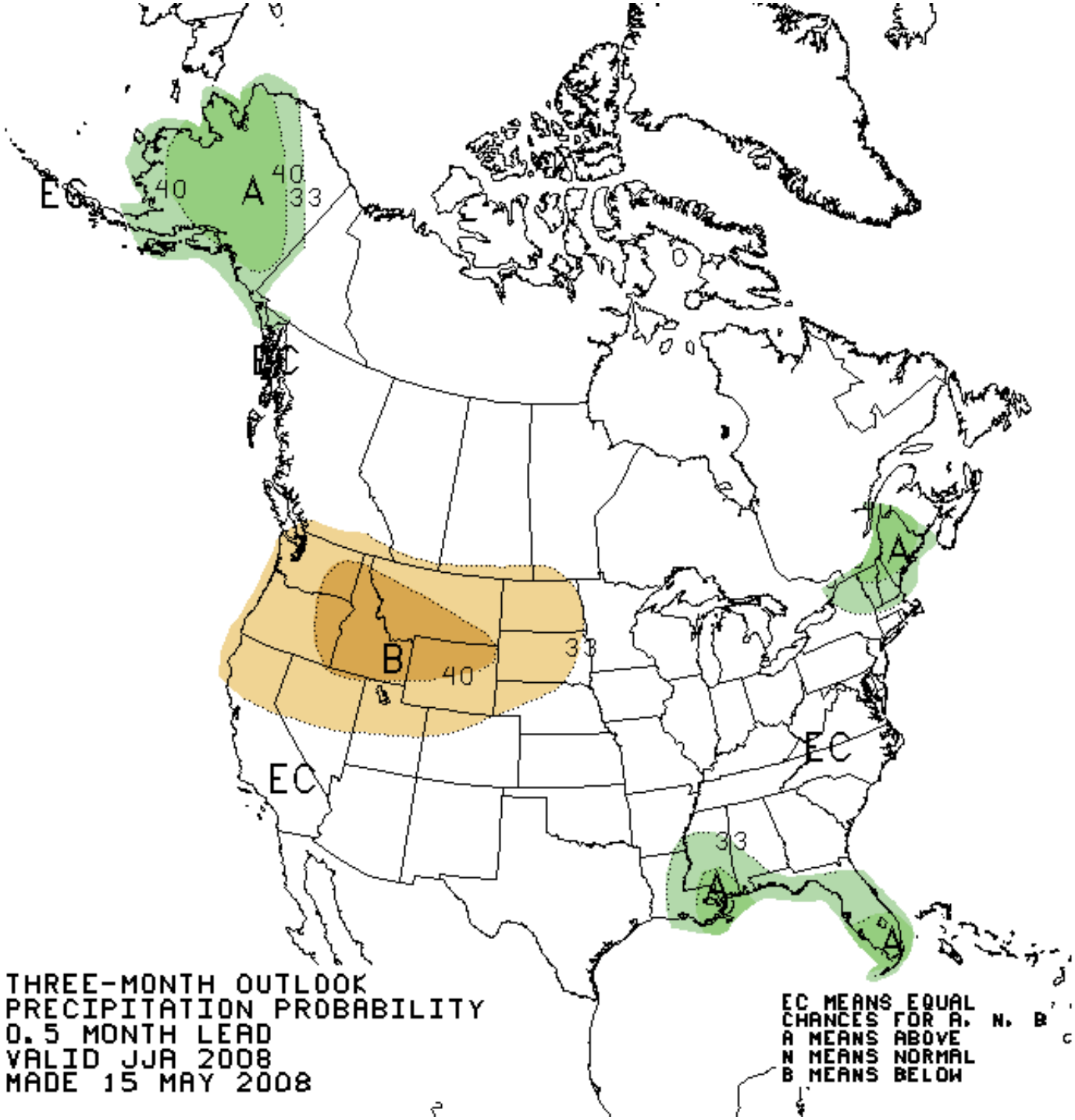
Released Thursday, December 20, 2007

Author: Brian Fuchs, National Drought Mitigation Center

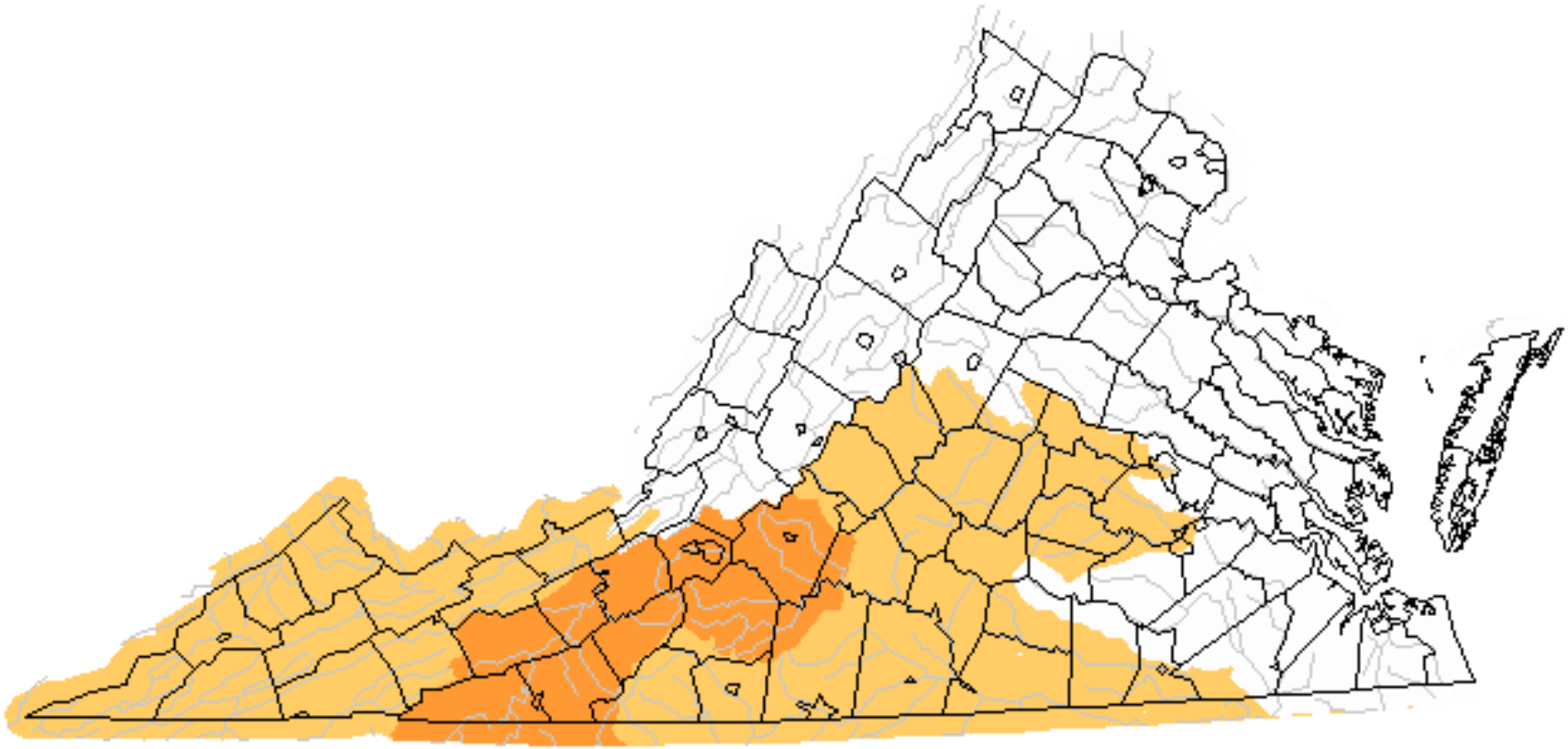

A
33
40
33
EC
B
EC
EC
33
40
33
40
A
B
40
33
EC
EC
ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID JUN 2008
MADE 15 MAY 2008
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW


THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID JJA 2008
MADE 15 MAY 2008
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW
EC
A
40
B
33
50


EC
EC
EC
EC
EC
EC
EC
EC
B
40
33
A
40
33
ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID JUN 2008
MADE 15 MAY 2008
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW


THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID JJA 2008
MADE 15 MAY 2008
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW
EC
A
40
40
33
EC
B
40
33
A
EC
EC
33
A
A

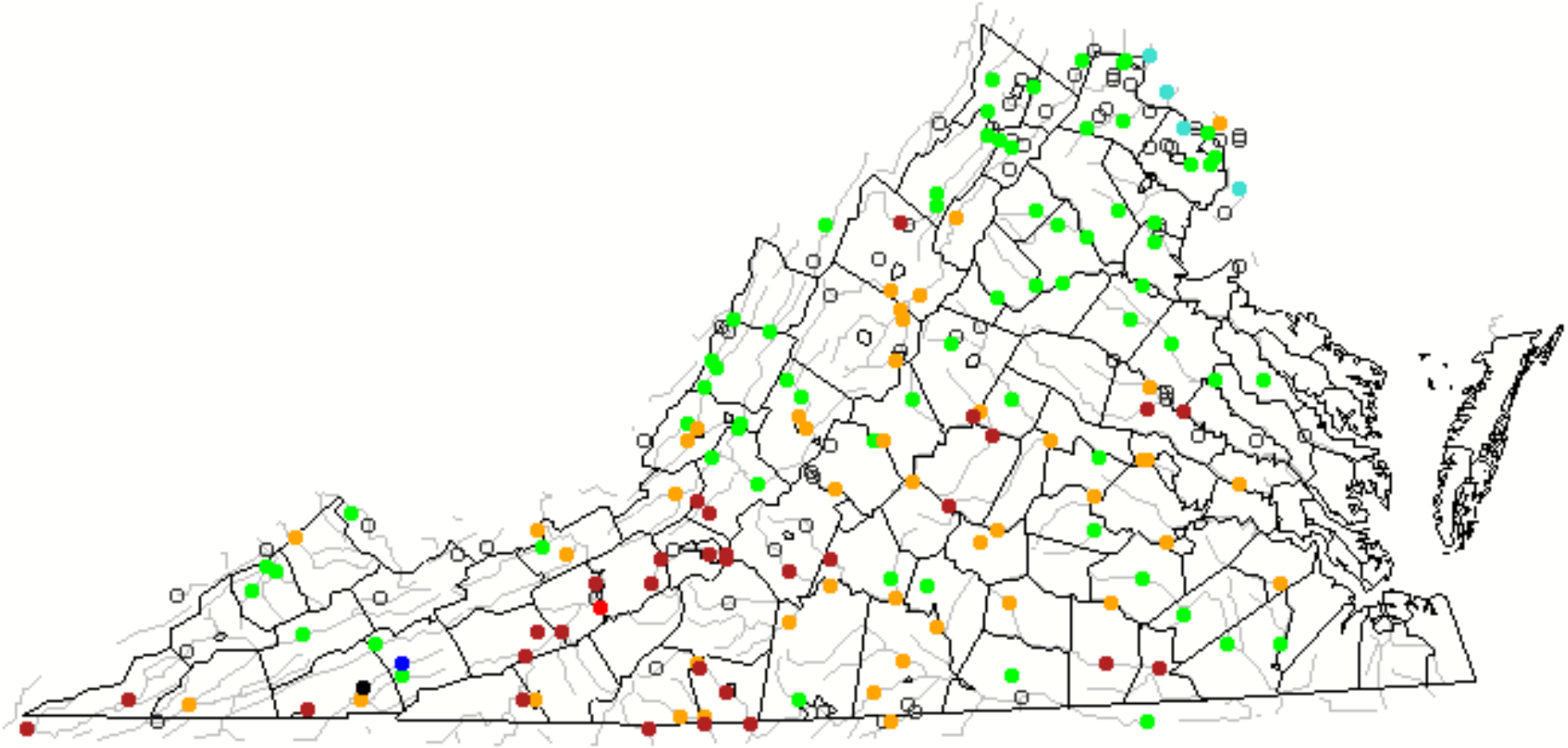
Sunday, June 01, 2008



USGS

Explanation - Percentile classes				
Low	<=5	6-9	10-24	Insufficient data for a hydrologic region
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	

Monday, June 02, 2008 06:30ET

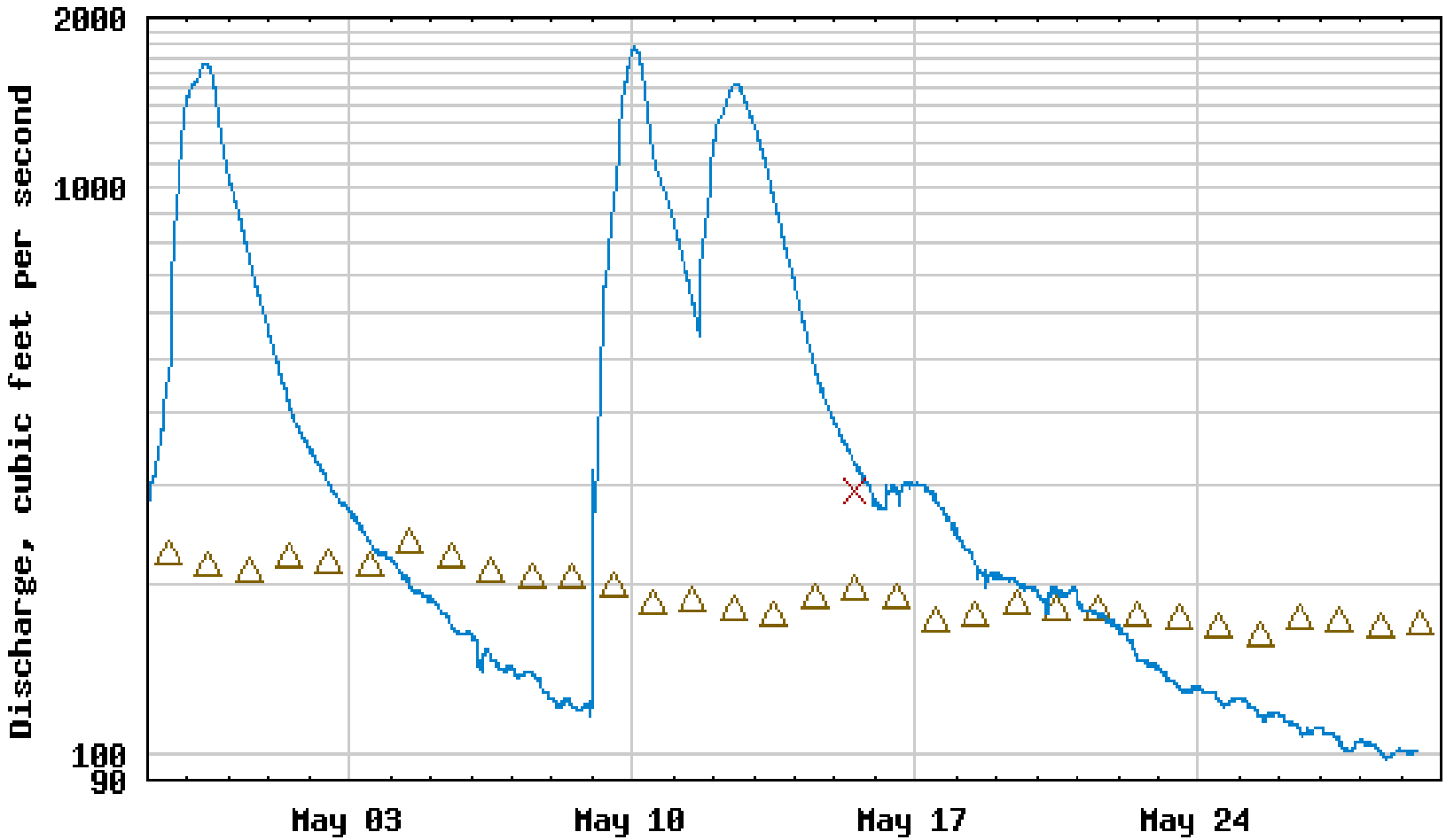


USGS

Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

USGS

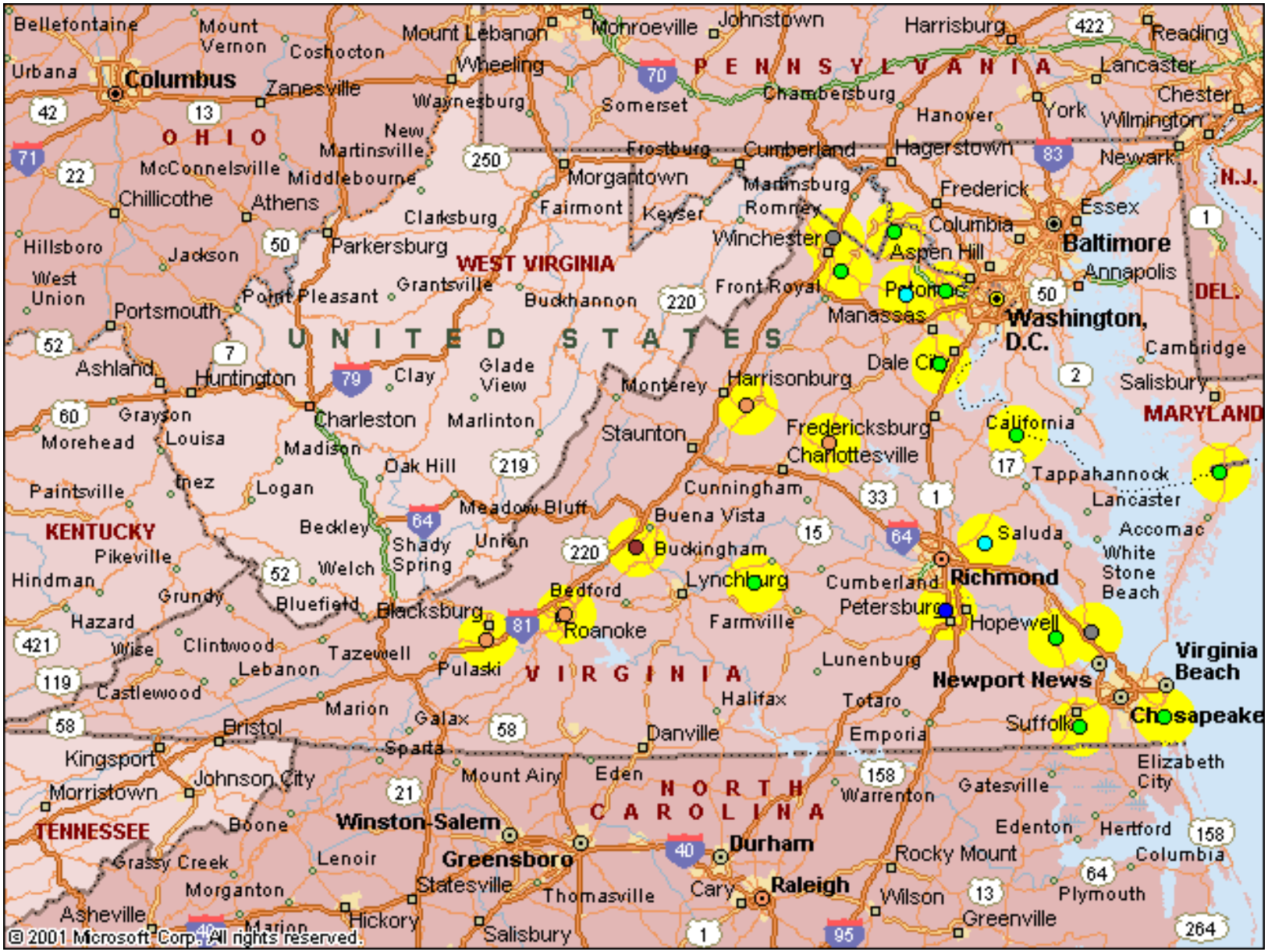
USGS 02039500 APPOMATTOX RIVER AT FARMVILLE, VA



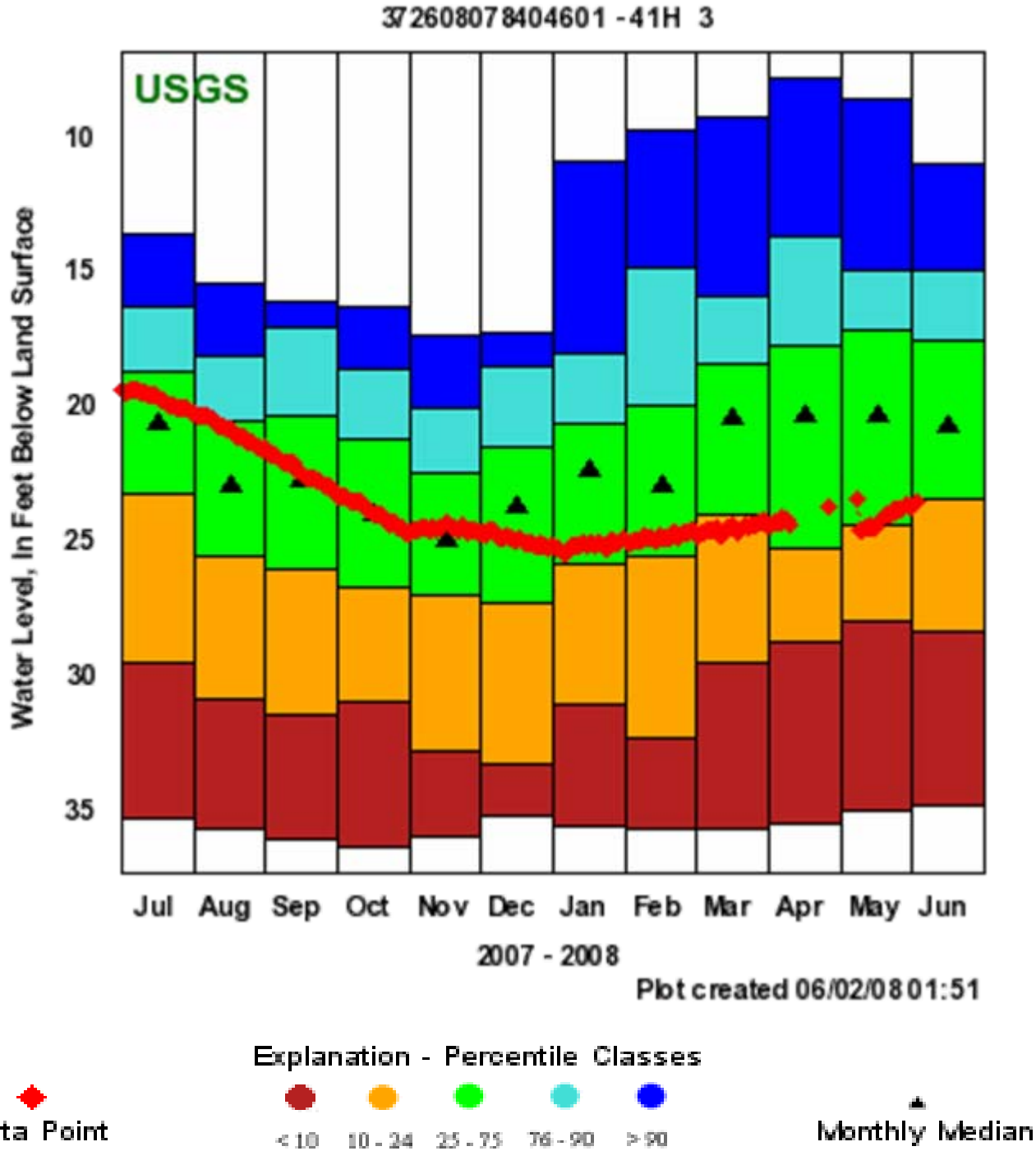
---- Provisional Data Subject to Revision ----

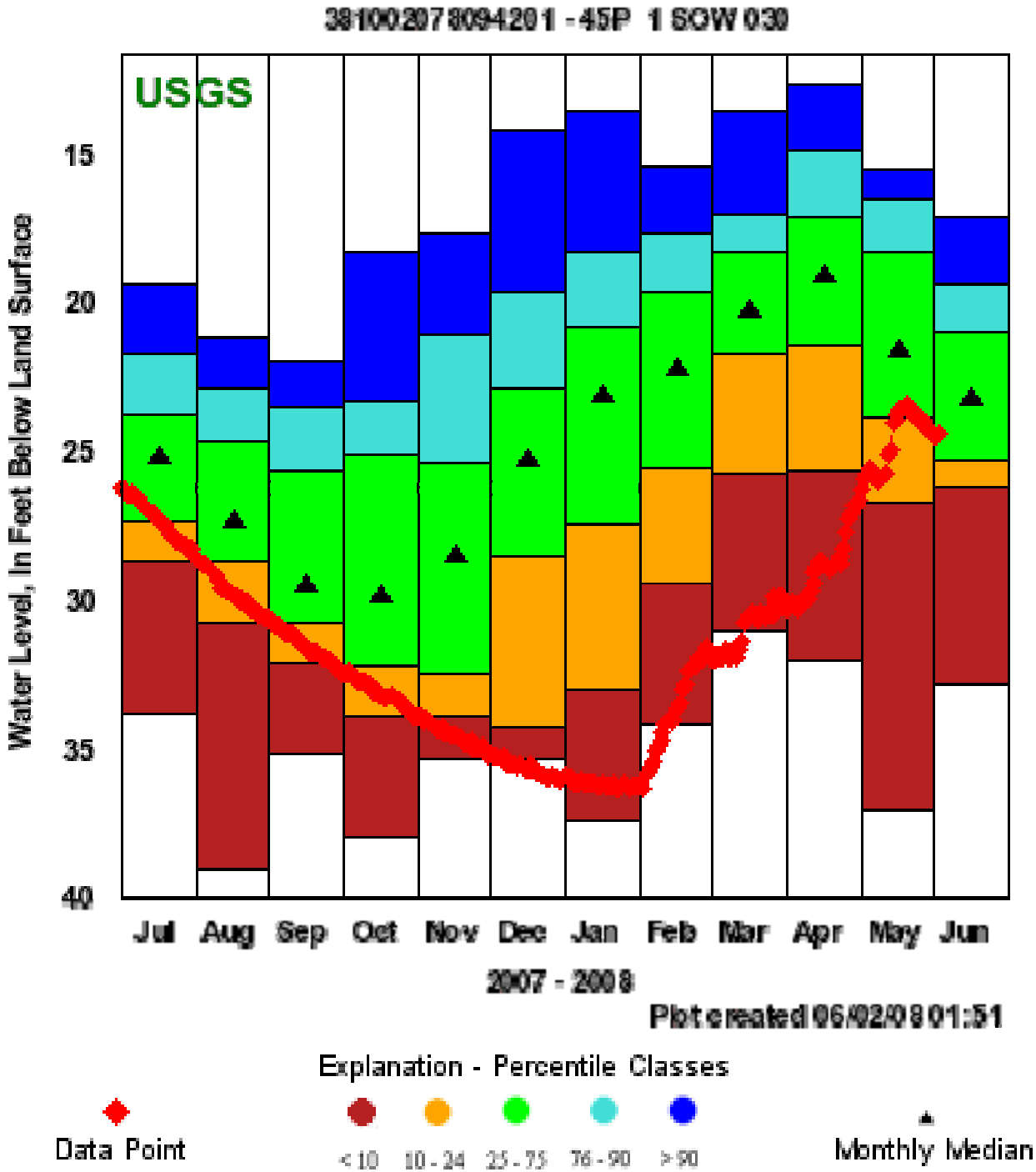
△ Median daily statistic (82 years) × Measured discharge

— Discharge



Explanation - Percentile classes							
New Low	<10 Much Below Normal	10-24 Below Normal	25-75 Normal	76-90 Above Normal	>90 Much Above Normal	New High	Not Ranked


372608078404601 -41H 3
USGS
Water Level, In Feet Below Land Surface
10
15
20
25
30
35
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
2007 - 2008
Plot created 06/02/08 01:51
Explanation - Percentile Classes
Data Point
< 10
10 - 24
25 - 75
76 - 90
> 90
Monthly Median

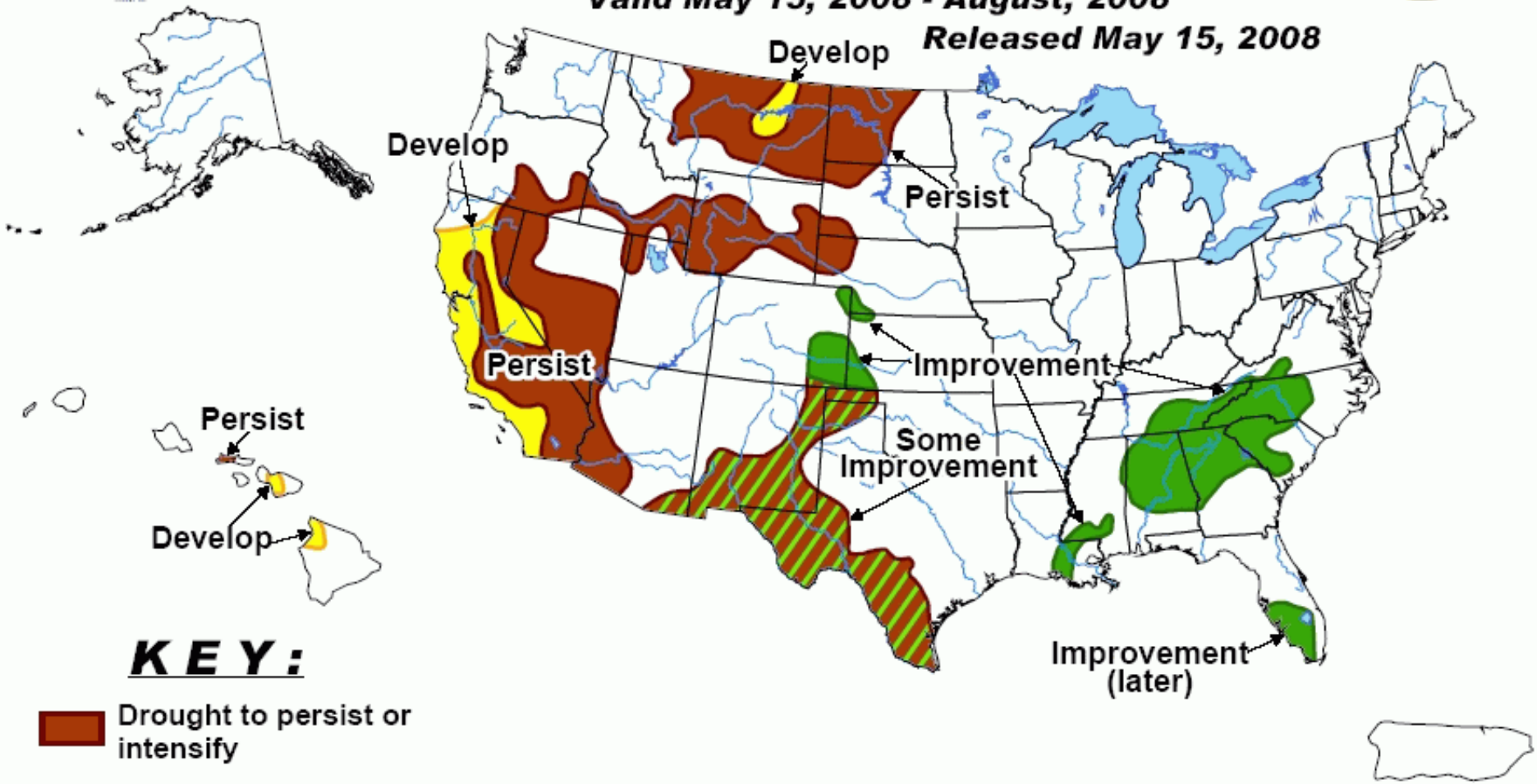

USGS
Water Level, In Feet Below Land Surface
15
20
25
30
35
40
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
2007 - 2008
Explanation - Percentile Classes
Data Point
< 10
10 - 24
25 - 75
76 - 90
> 90
Monthly Median

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid May 15, 2008 - August, 2008

Released May 15, 2008



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.