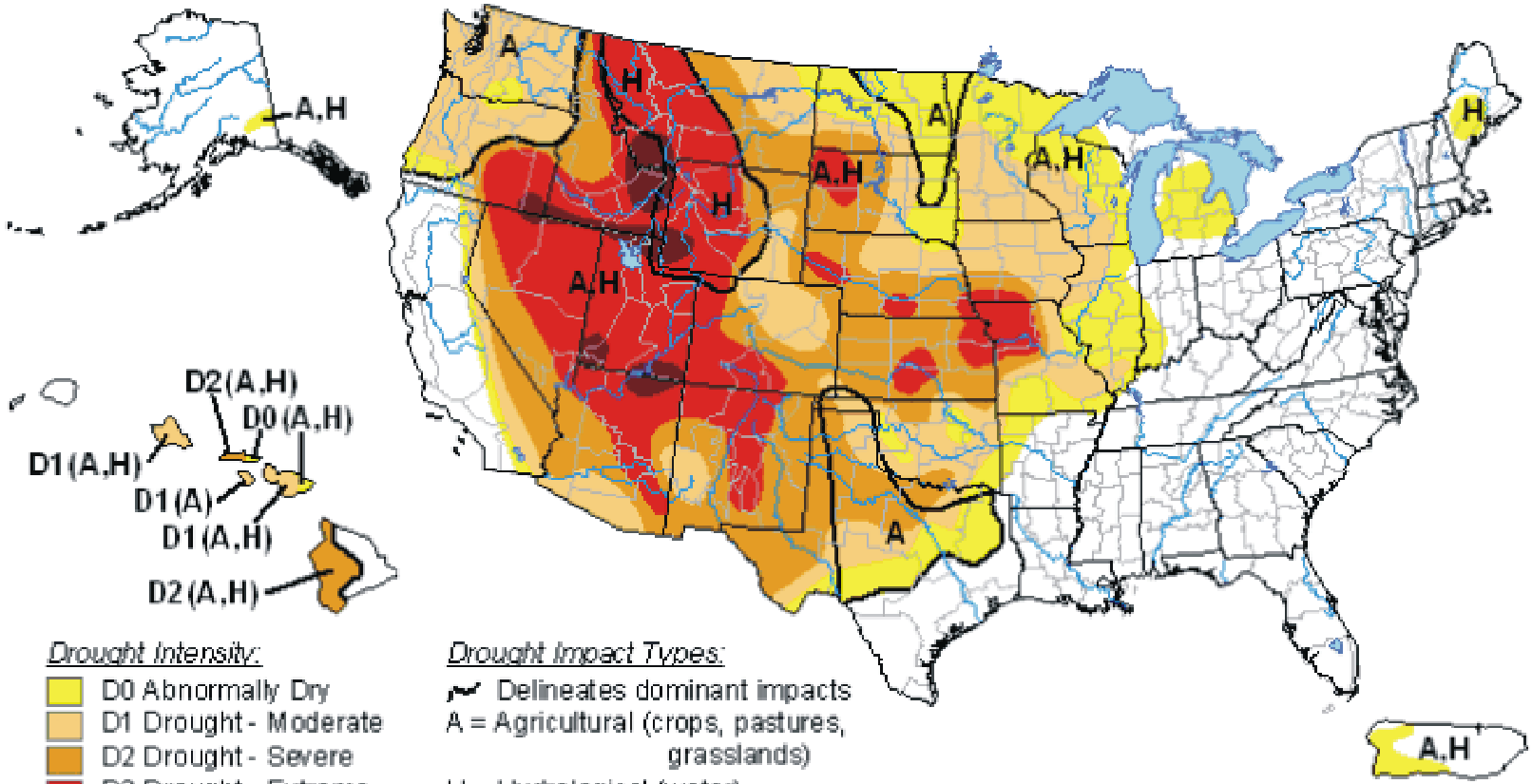
DNR Drought Assessment Committee Meeting September 5, 2003

Missouri
Department of
Natural Resources

U.S. Drought Monitor

August 26, 2003
Valid 8 a.m. EDT



Drought 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)
(No type = Both impacts)

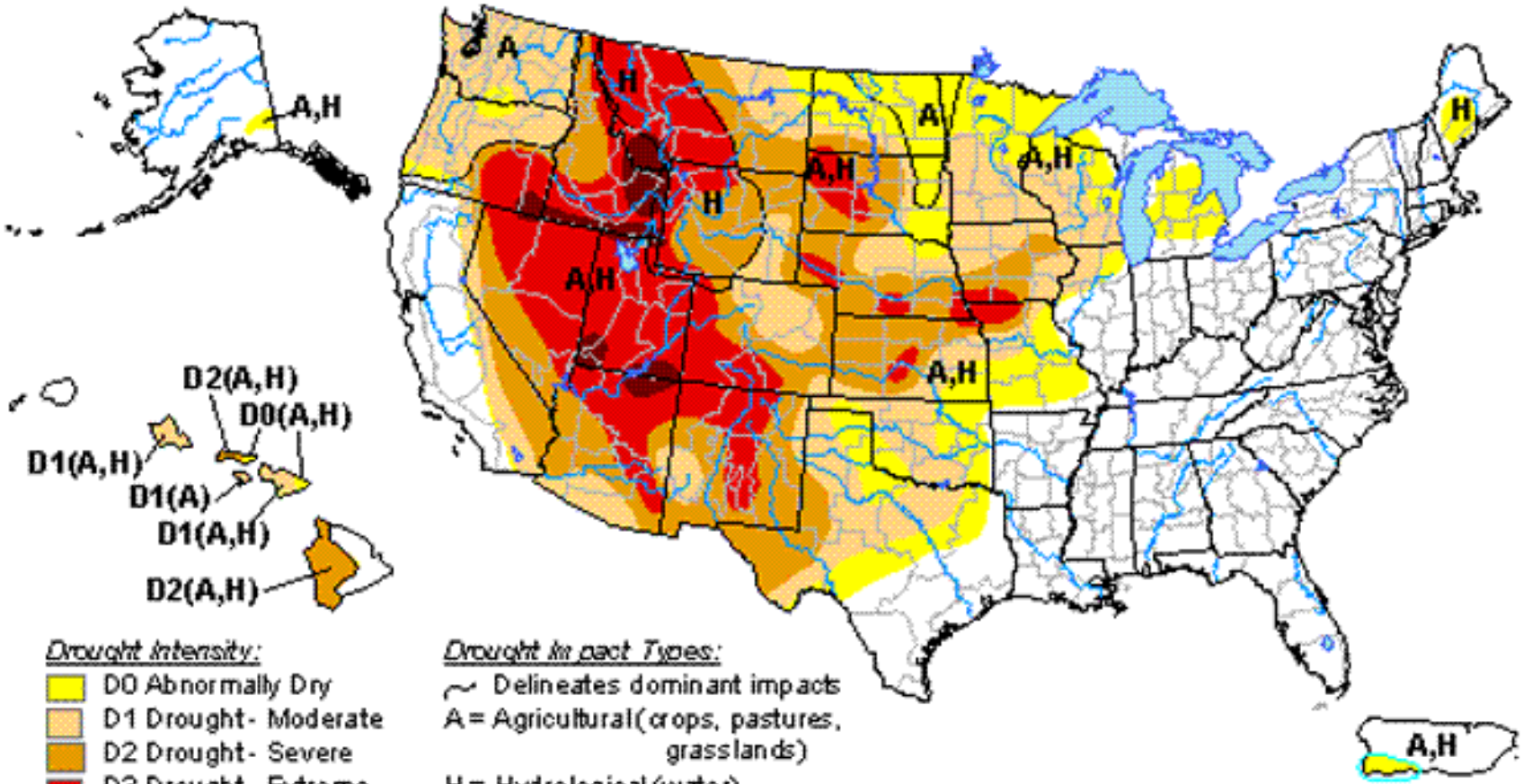
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm

Released Thursday, August 28, 2003
Author: David Miskus, JAWF/CPC/NOAA

U.S. Drought Monitor

September 2, 2003
Valid 8 a.m. EDT



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http://drought.unl.edu/dm

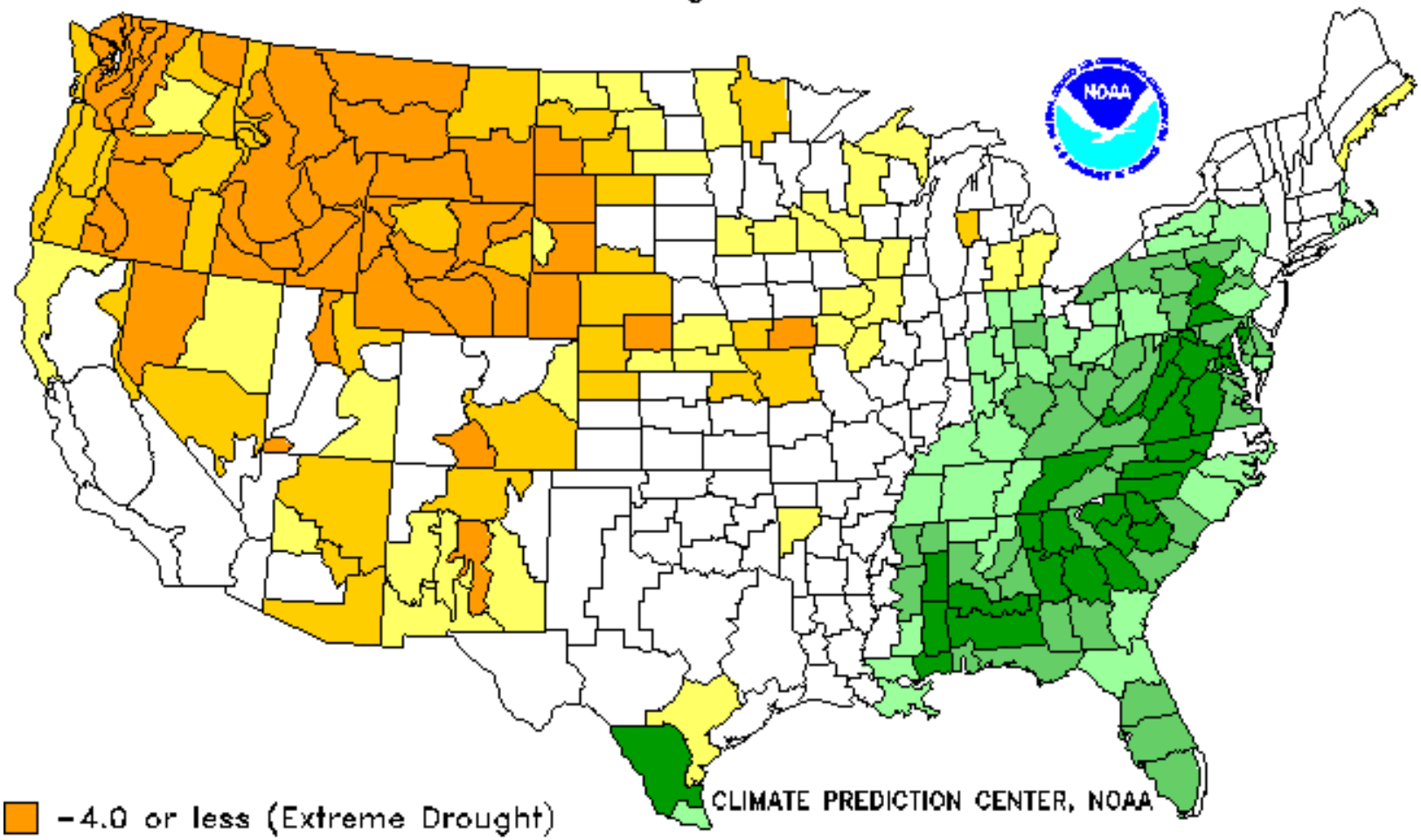
Released Thursday, September 4, 2003

Author: Mark Svoboda, NDMC

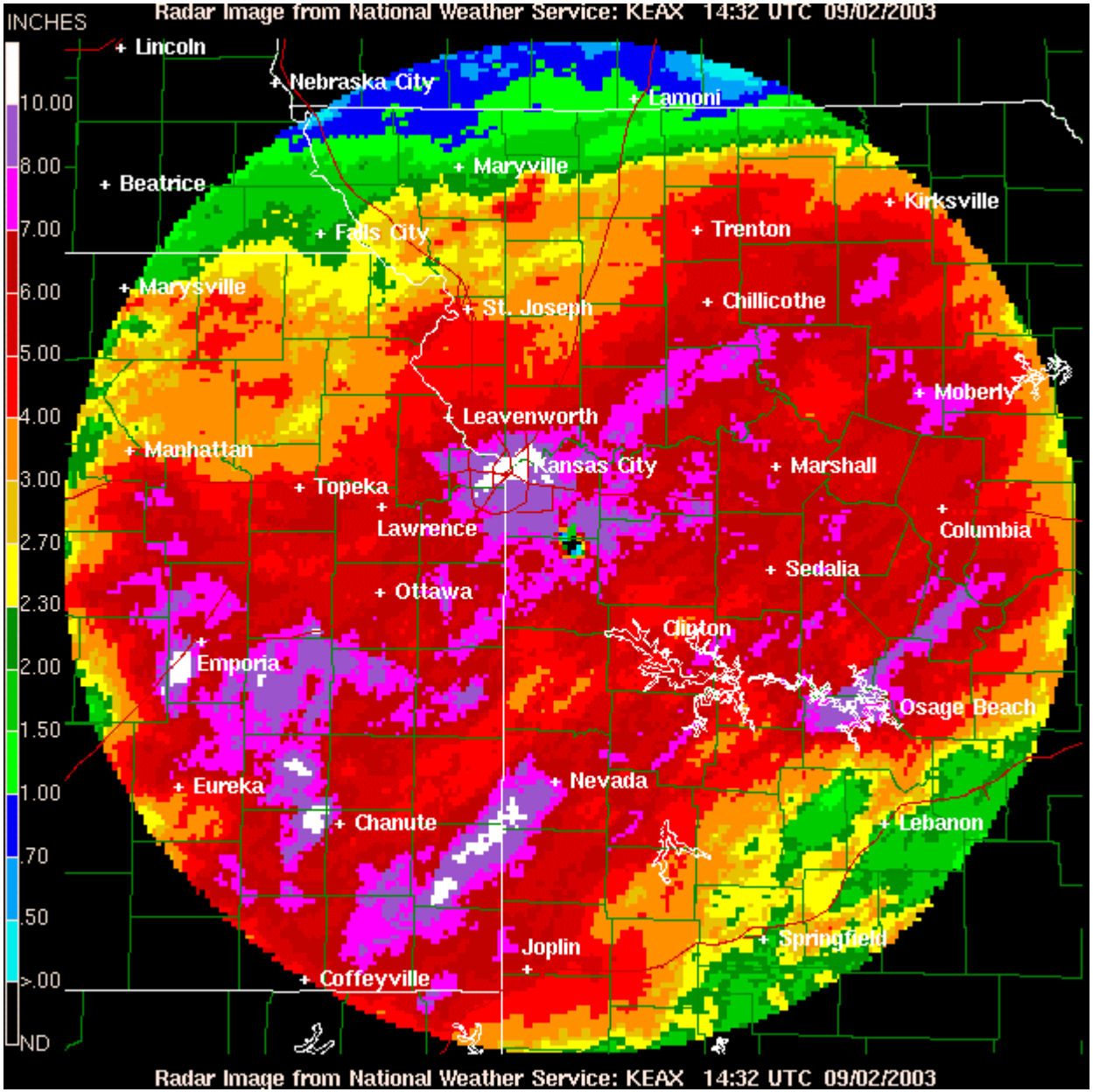
Drought Severity Index by Division

Weekly Value for Period Ending 30 AUG 2003

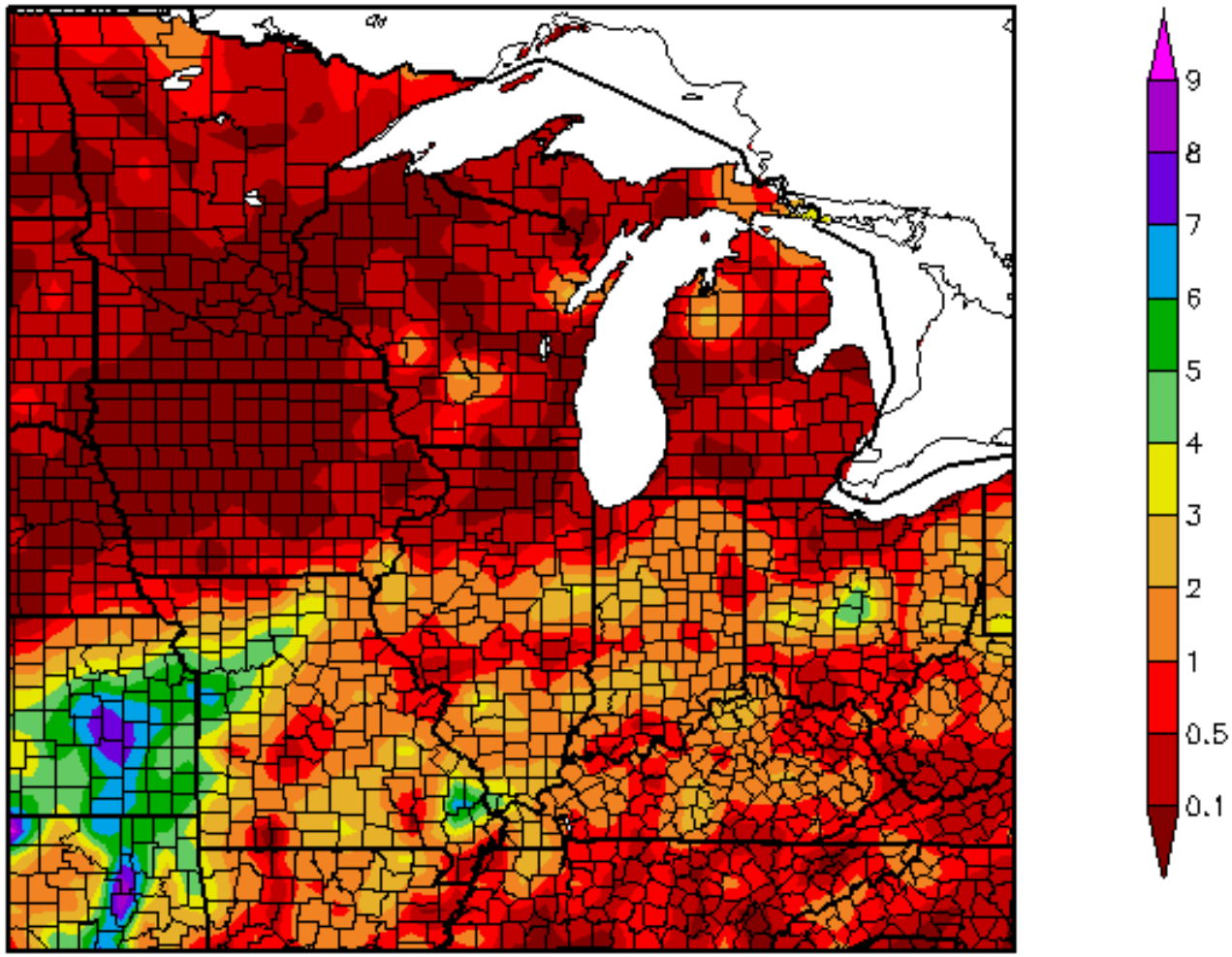
Long Term Palmer



- −4.0 or less (Extreme Drought)
- −3.0 to −3.9 (Severe Drought)
- −2.0 to −2.9 (Moderate Drought)
- −1.9 to +1.9 (Near Normal)
- +2.0 to +2.9 (Unusual Moist Spell)
- +3.0 to +3.9 (Very Moist Spell)
- +4.0 and above (Extremely Moist)


Radar Image from National Weather Service: KEAX 14:32 UTC 09/02/2003
INCHES
10.00
8.00
7.00
6.00
5.00
4.00
3.00
2.70
2.30
2.00
1.50
1.00
.70
.50
>.00
ND
Lincoln
Nebraska City
Lamoni
Maryville
Beatrice
Kirksville
Falls City
Trenton
Marysville
St. Joseph
Chillicothe
Moberly
Leavenworth
Manhattan
Kansas City
Marshall
Topeka
Lawrence
Columbia
Sedalia
Ottawa
Clinton
Emporia
Osage Beach
Eureka
Nevada
Chanute
Lebanon
Springfield
Joplin
Coffeyville
Radar Image from National Weather Service: KEAX 14:32 UTC 09/02/2003

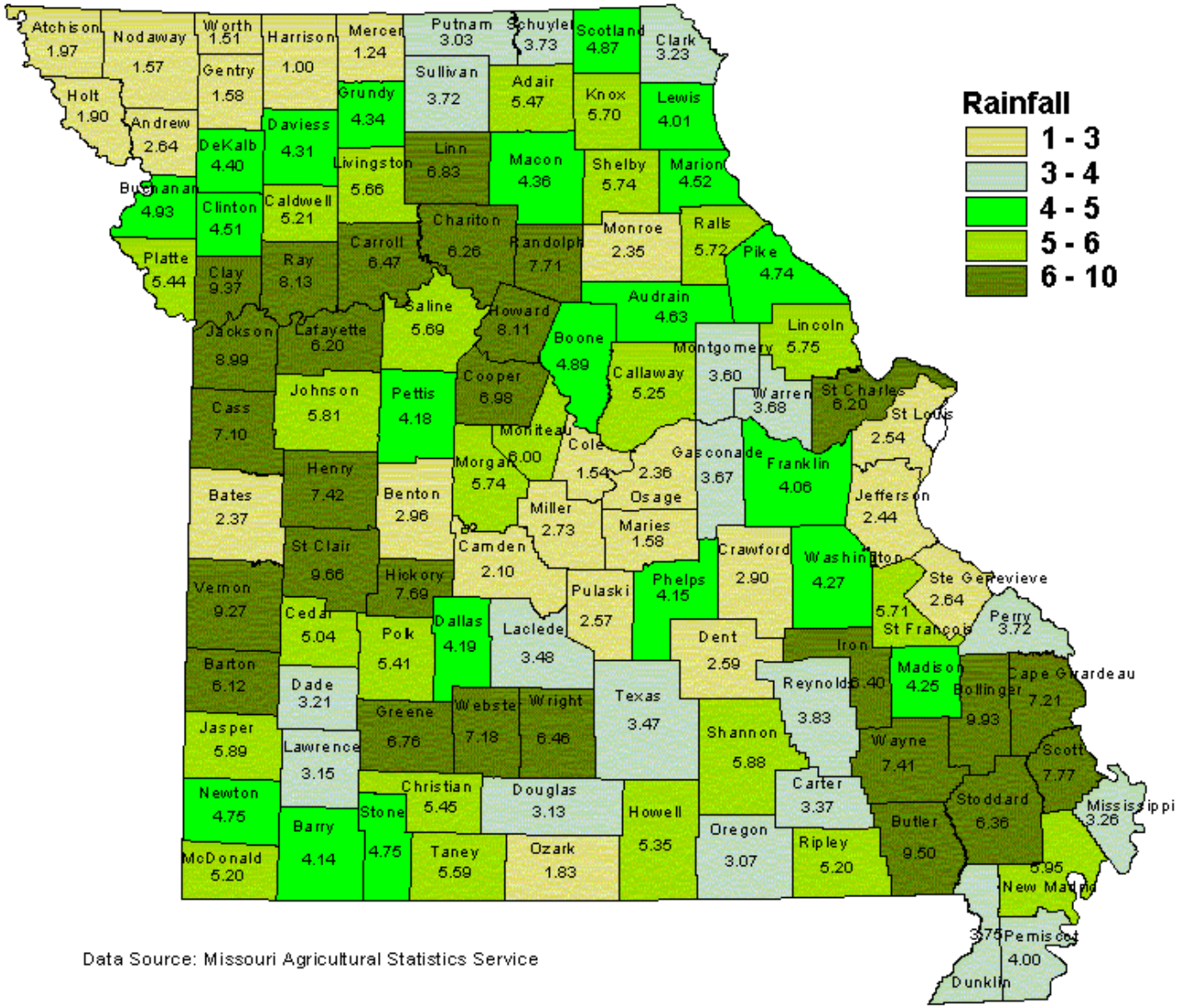
Precipitation (in)
8/27/2003 – 9/2/2003



Generated 9/3/2003 at HPRCC

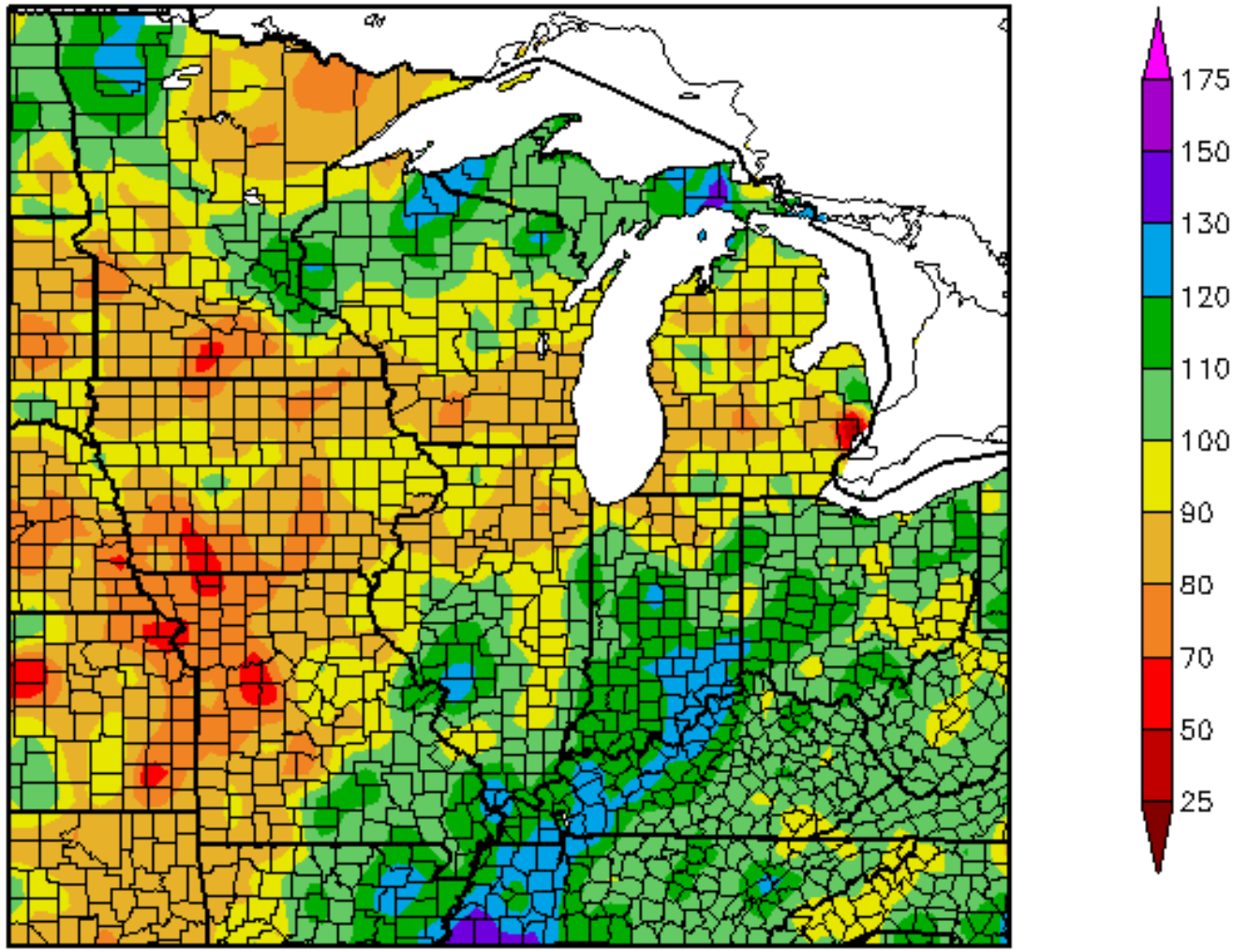
NOAA Regional Climate Centers

Monthly Rainfall by County (August 2003)



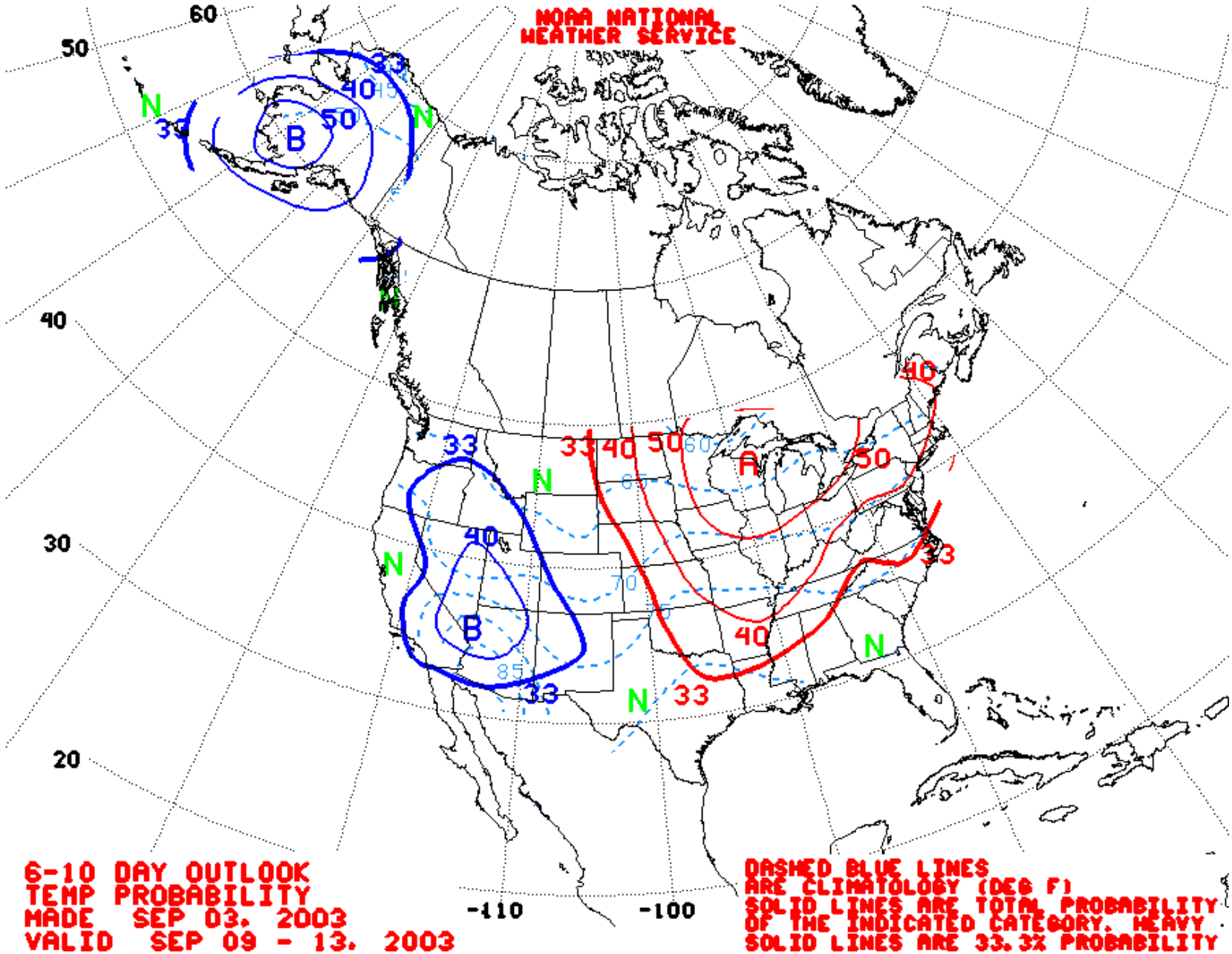
Data Source: Missouri Agricultural Statistics Service

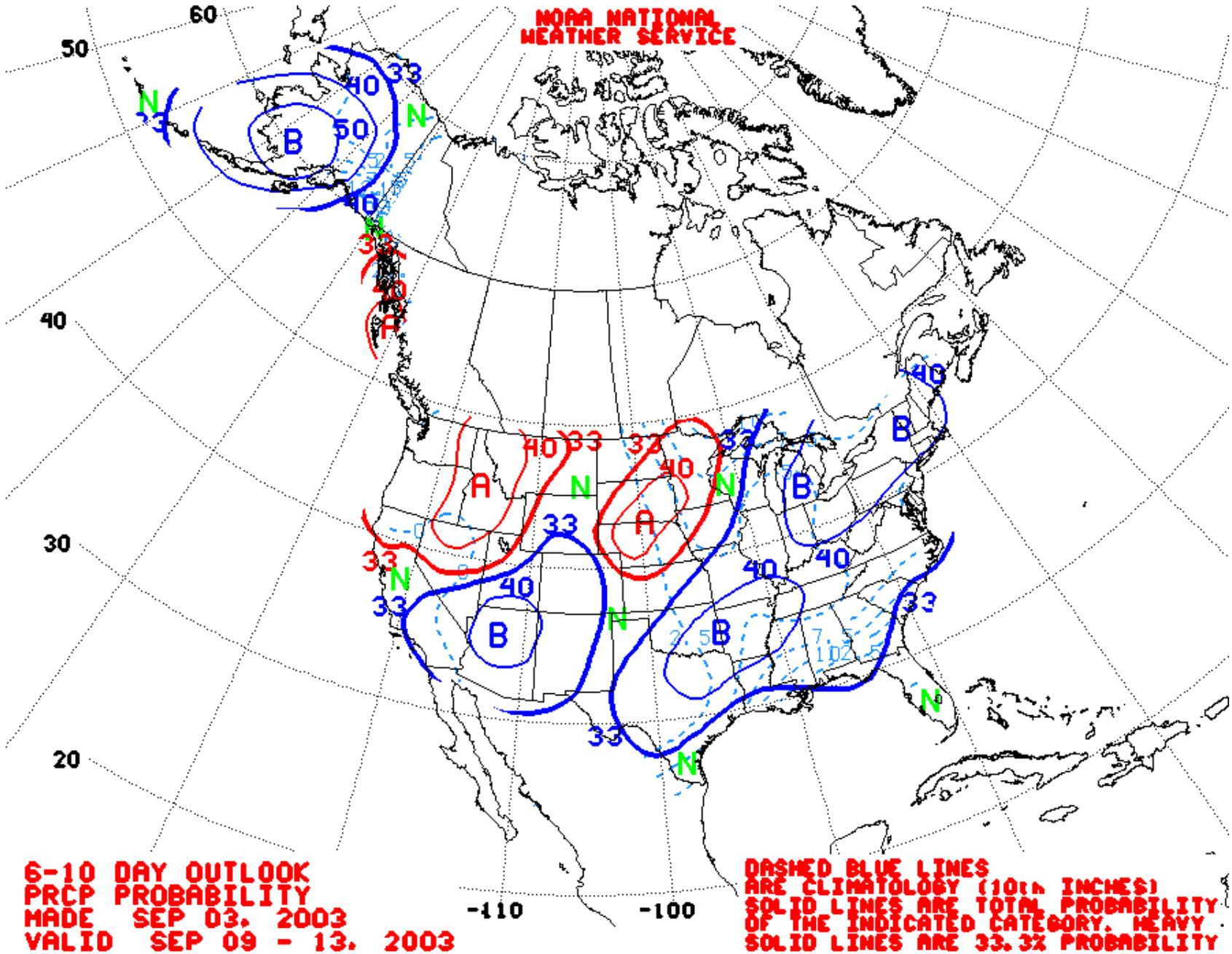
Percent of Normal Precipitation (%)
9/3/2001 – 9/2/2003

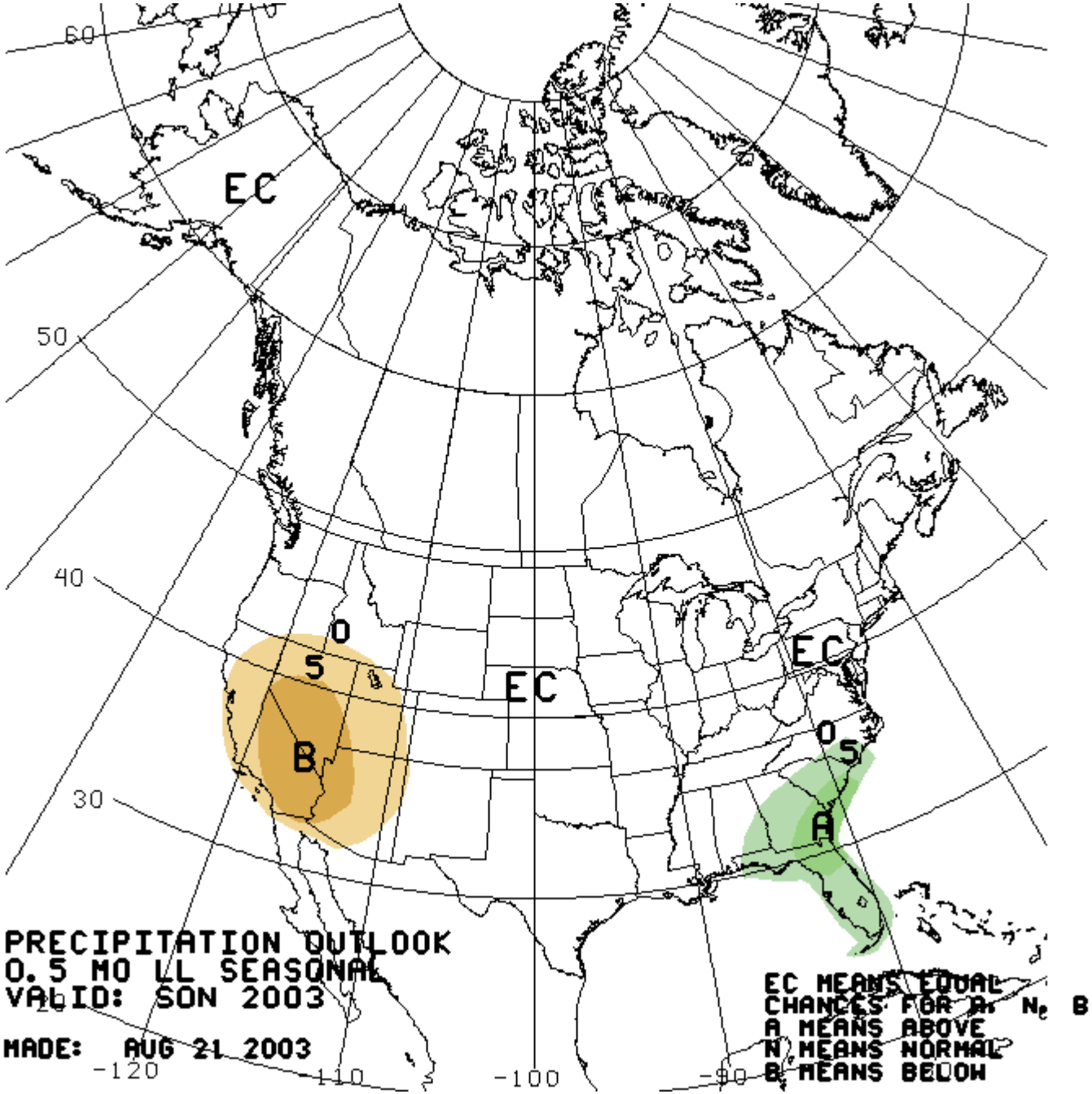


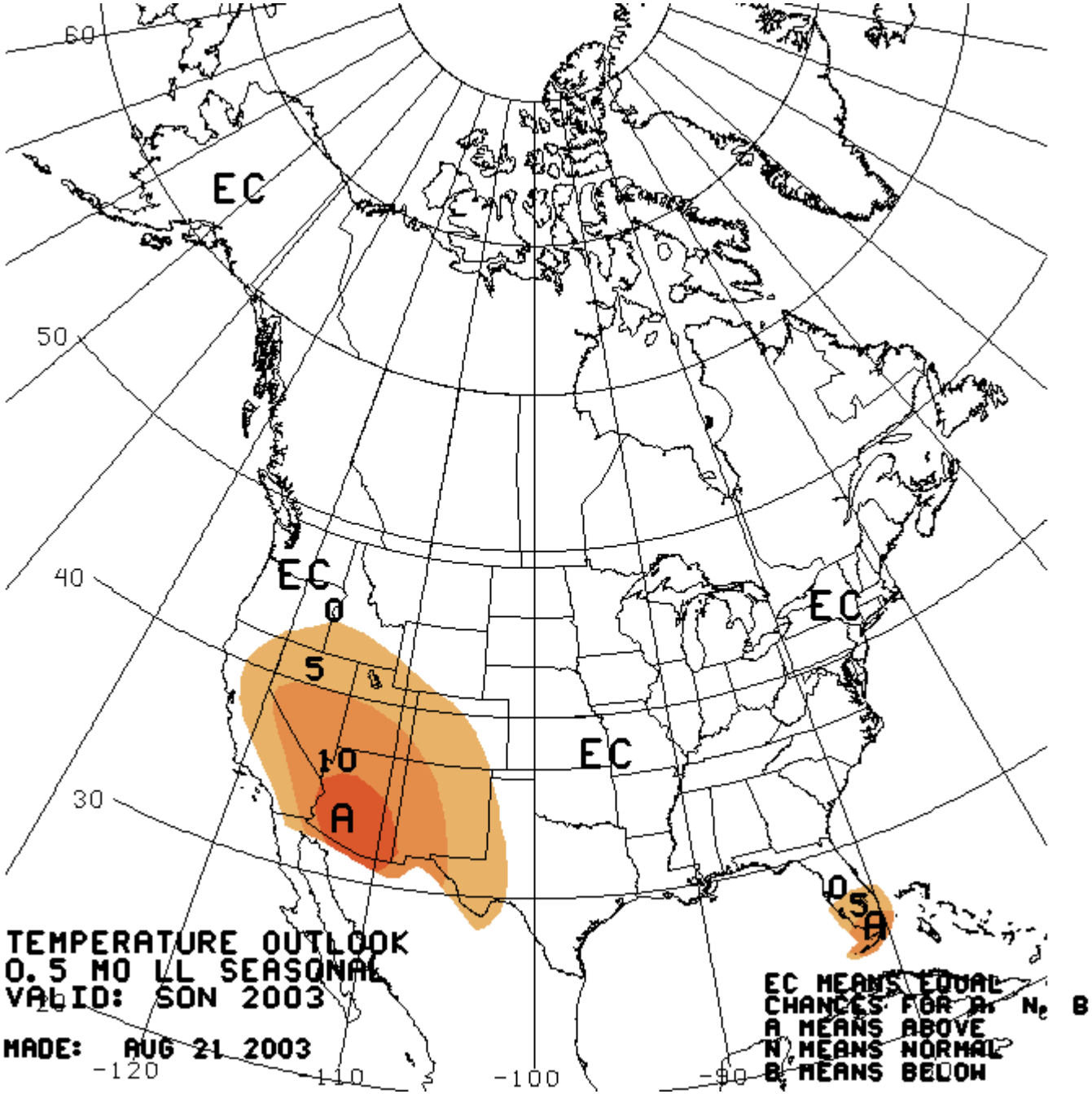
Generated 9/3/2003 at HPRCC

NOAA Regional Climate Centers

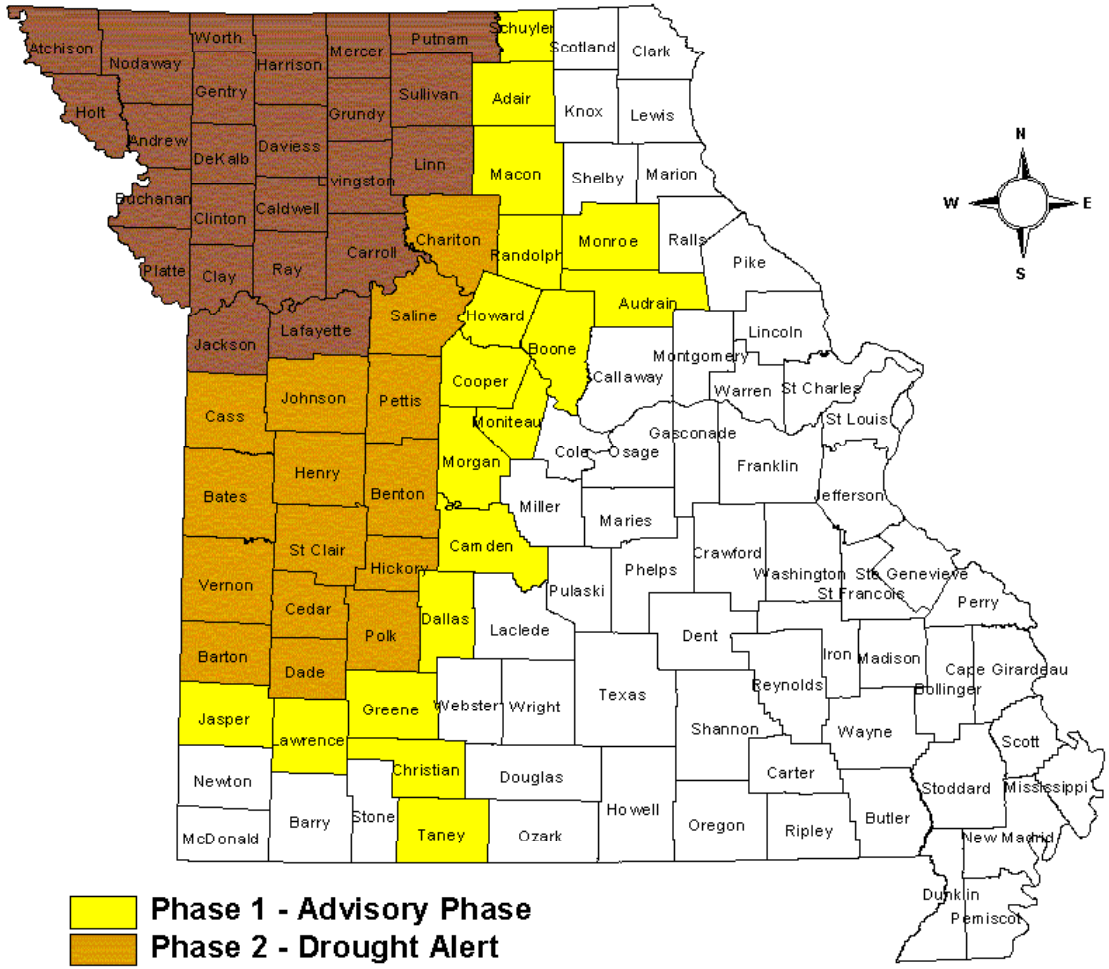

NOAA NATIONAL
WEATHER SERVICE
6-10 DAY OUTLOOK
TEMP PROBABILITY
MADE SEP 03, 2003
VALID SEP 09 - 13, 2003
DASHED BLUE LINES
ARE CLIMATOLOGY (DEG F)
SOLID LINES ARE TOTAL PROBABILITY
OF THE INDICATED CATEGORY. HEAVY
SOLID LINES ARE 33.3% PROBABILITY
60
50
40
30
20
-110
-100
A
B
N
33
40
50
60
65
70
85


NOAA NATIONAL
WEATHER SERVICE
6-10 DAY OUTLOOK
PRCP PROBABILITY
MADE SEP 03. 2003
VALID SEP 09 - 13. 2003
DASHED BLUE LINES
ARE CLIMATOLOGY (10th INCHES)
SOLID LINES ARE TOTAL PROBABILITY
OF THE INDICATED CATEGORY. HEAVY
SOLID LINES ARE 33.3% PROBABILITY
60
50
40
30
20
-110
-100

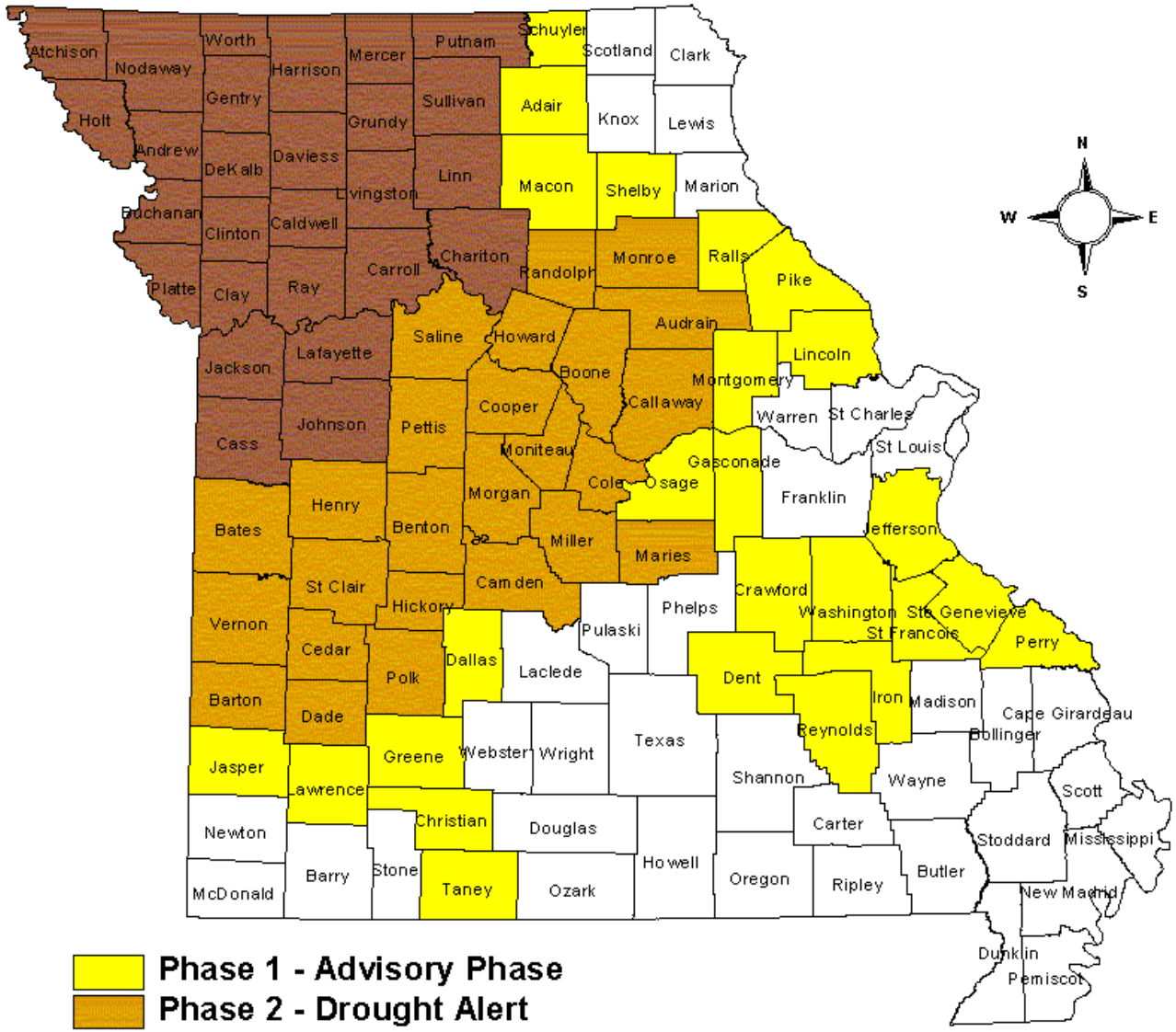

60
50
40
30
-120
-110
-100
-90
EC
EC
EC
O
5
B
O
5
A
PRECIPITATION OUTLOOK
0.5 MO LL SEASONAL
VALID: SON 2003
MADE: AUG 21 2003
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW


TEMPERATURE OUTLOOK
0.5 MO LL SEASONAL
VALID: SON 2003
MADE: AUG 21 2003
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW
EC
EC
EC
EC
0
5
10
A
0
5
A
60
50
40
30
-120
-110
-100
-90

Recommended Drought Status (July 25, 2003)

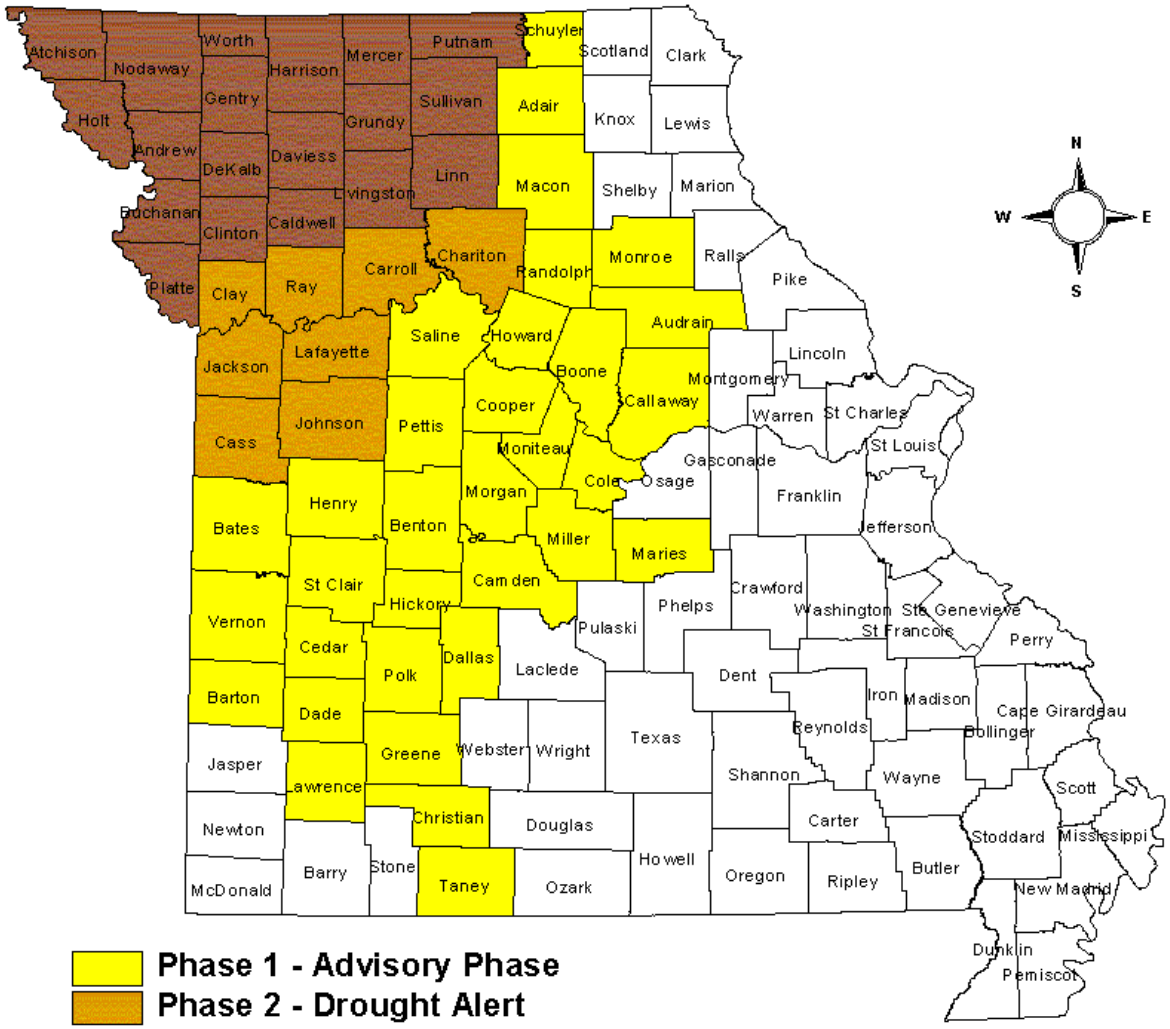


Interim Drought Status (August 12, 2003)



Climate and Weather Subcommittee

Interim Drought Status (September 3, 2003)



Climate and Weather Subcommittee