

TP 40

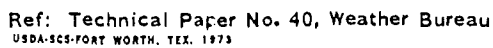
**RAINFALL FREQUENCY ATLAS
OF
ALABAMA, FLORIDA, GEORGIA
AND SOUTH CAROLINA
FOR DURATIONS
FROM 30 MINUTES TO 24 HOURS
AND
RETURN PERIODS FROM 1 TO 100 YEARS.**

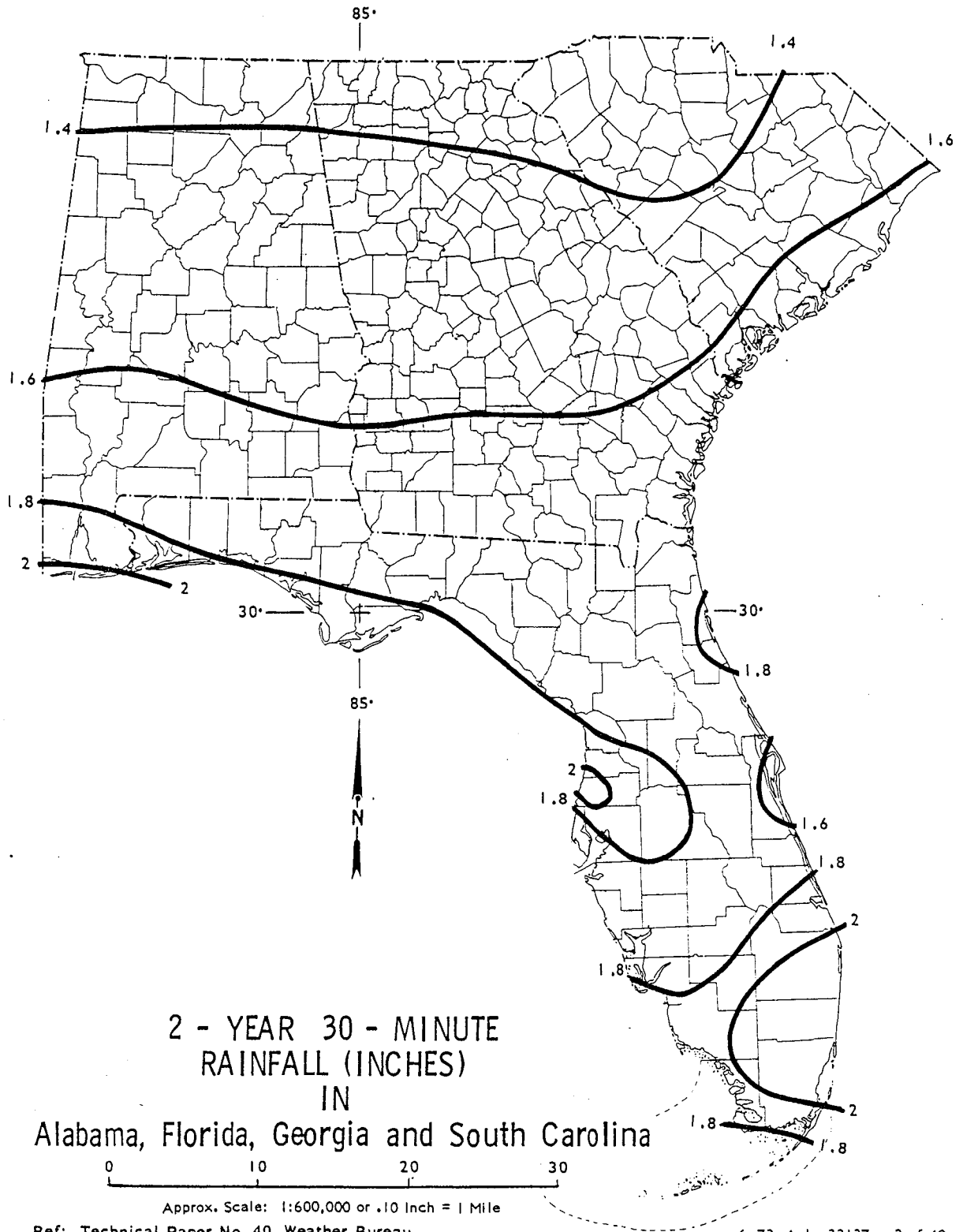
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GAINESVILLE, FLORIDA

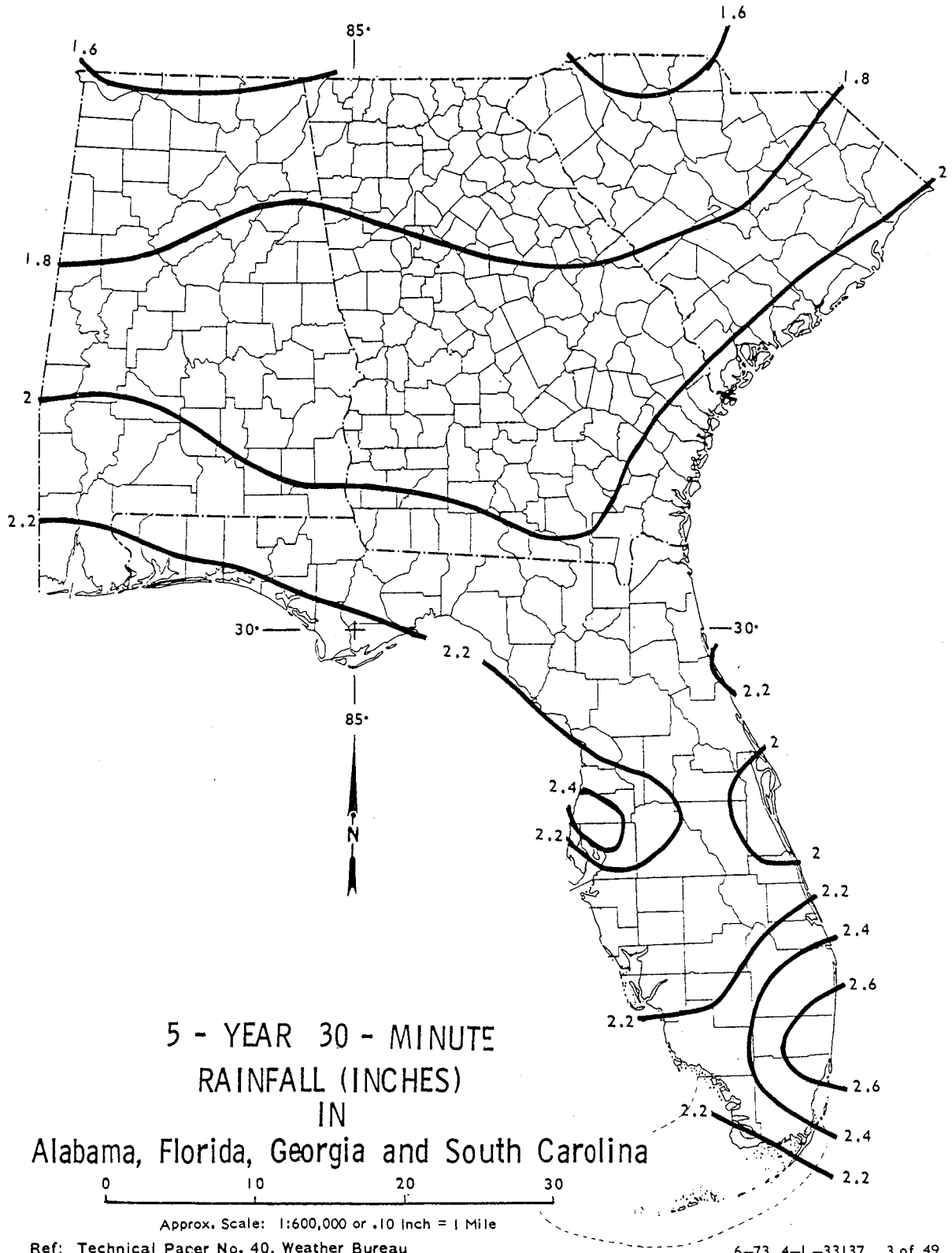
P R E F A C E

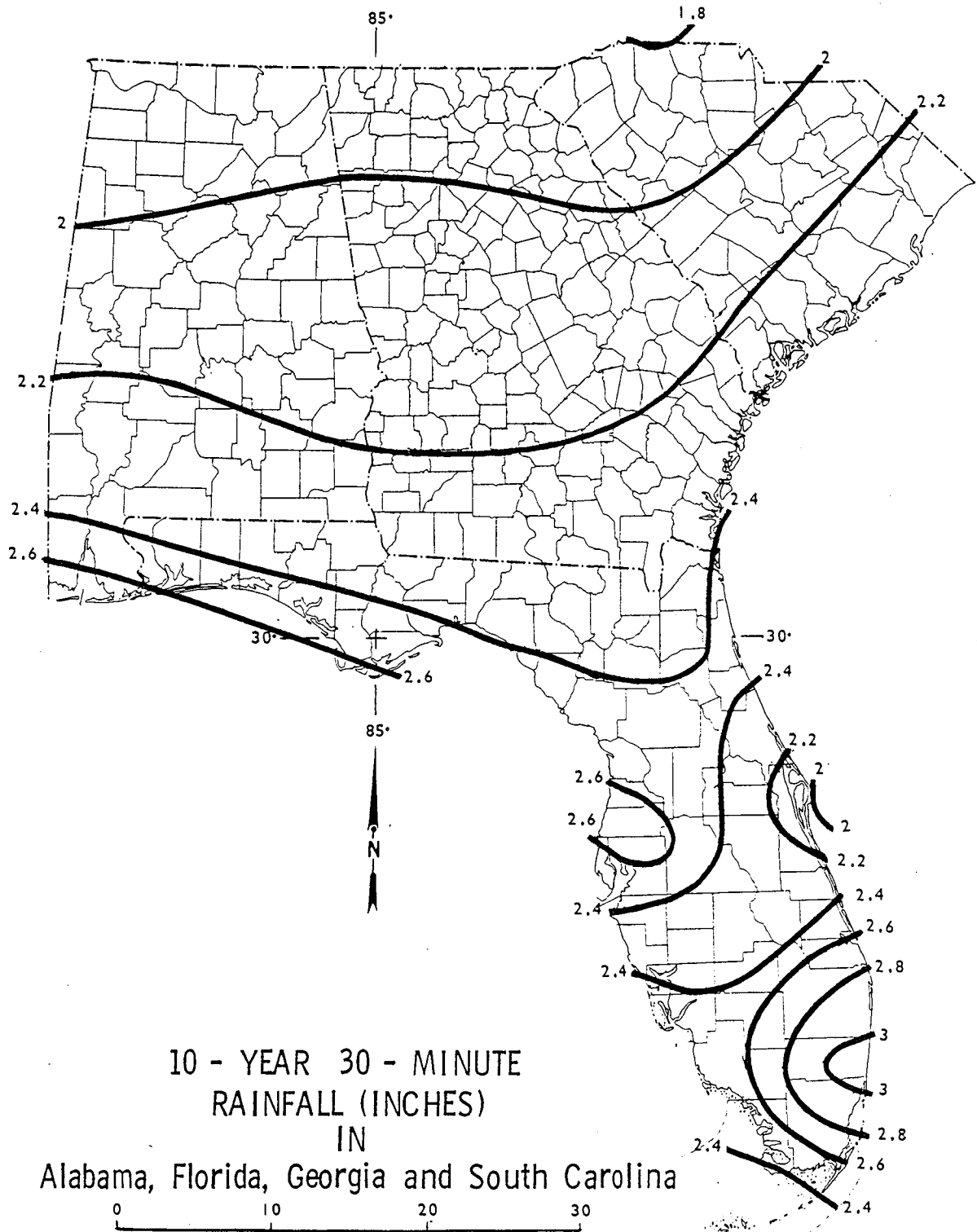
To meet the demand for rainfall data in Florida and adjoining states, the Soil Conservation Service in Florida has extracted a portion of Weather Bureau Technical Paper No. 40, which is no longer in print. Technical Paper No. 40 was originally prepared in 1961 by the U. S. Weather Bureau for the Soil Conservation Service. This publication is probably the most comprehensive study ever undertaken to develop maps showing depth of rainfall by duration and frequency for the continental U. S. Over 8000 recording and nonrecording gages were used in developing these maps. For a more detailed discussion of procedures and uses of these data, the reader is referred to Technical Paper No. 40 which should be available in most large libraries.

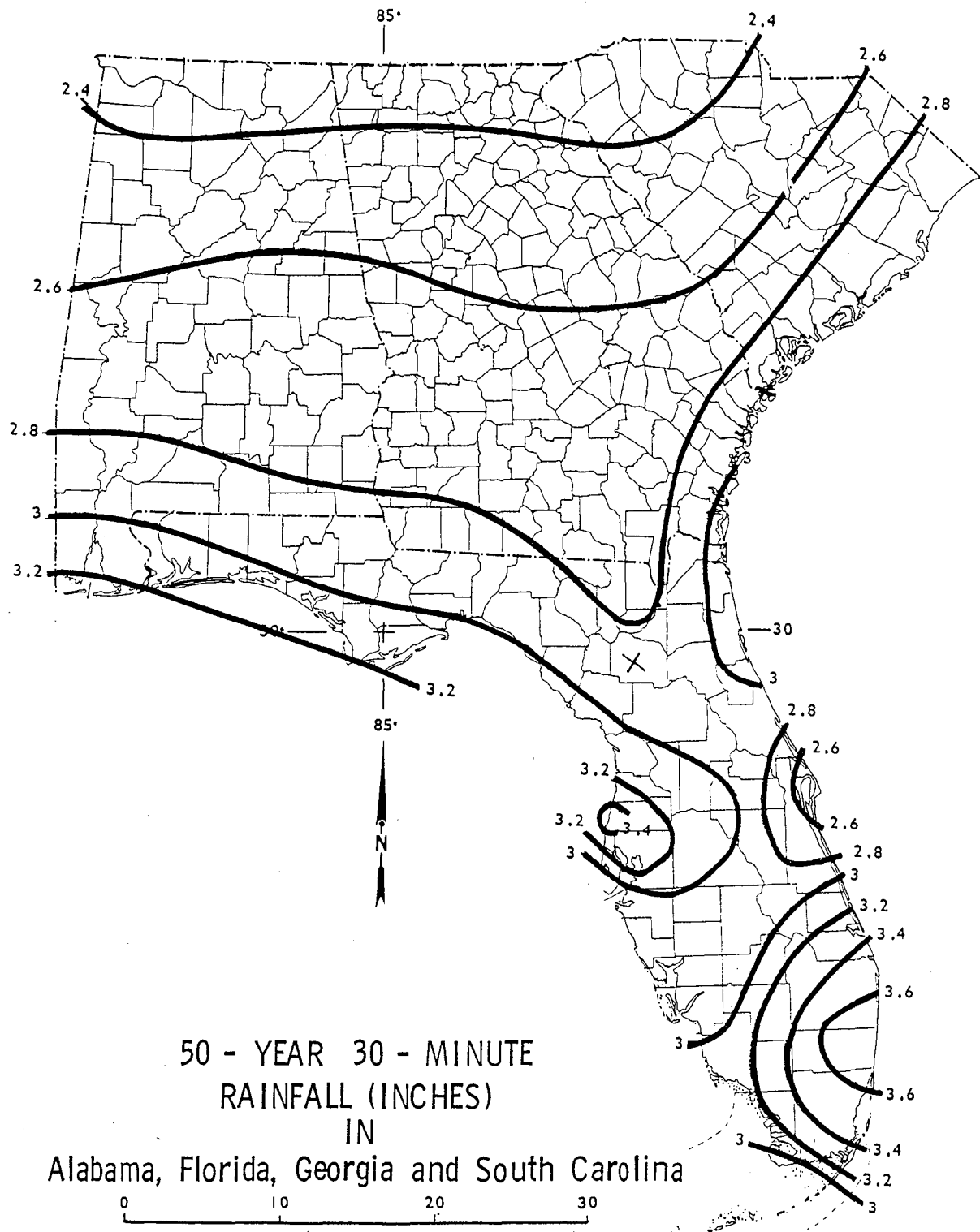
Note that even though this publication covers storm durations of 30 minutes to 24 hours, the 30 minute and 1 hour amounts are not recommended for use since the National Weather Service has developed a new publication (June 1977) for durations from 5 to 60 minutes. This publication is titled "Five- to 60-Minute Precipitation Frequency for the Eastern and Central United States" and is the recommended method for determining rainfall amounts for durations of 60 minutes and less.





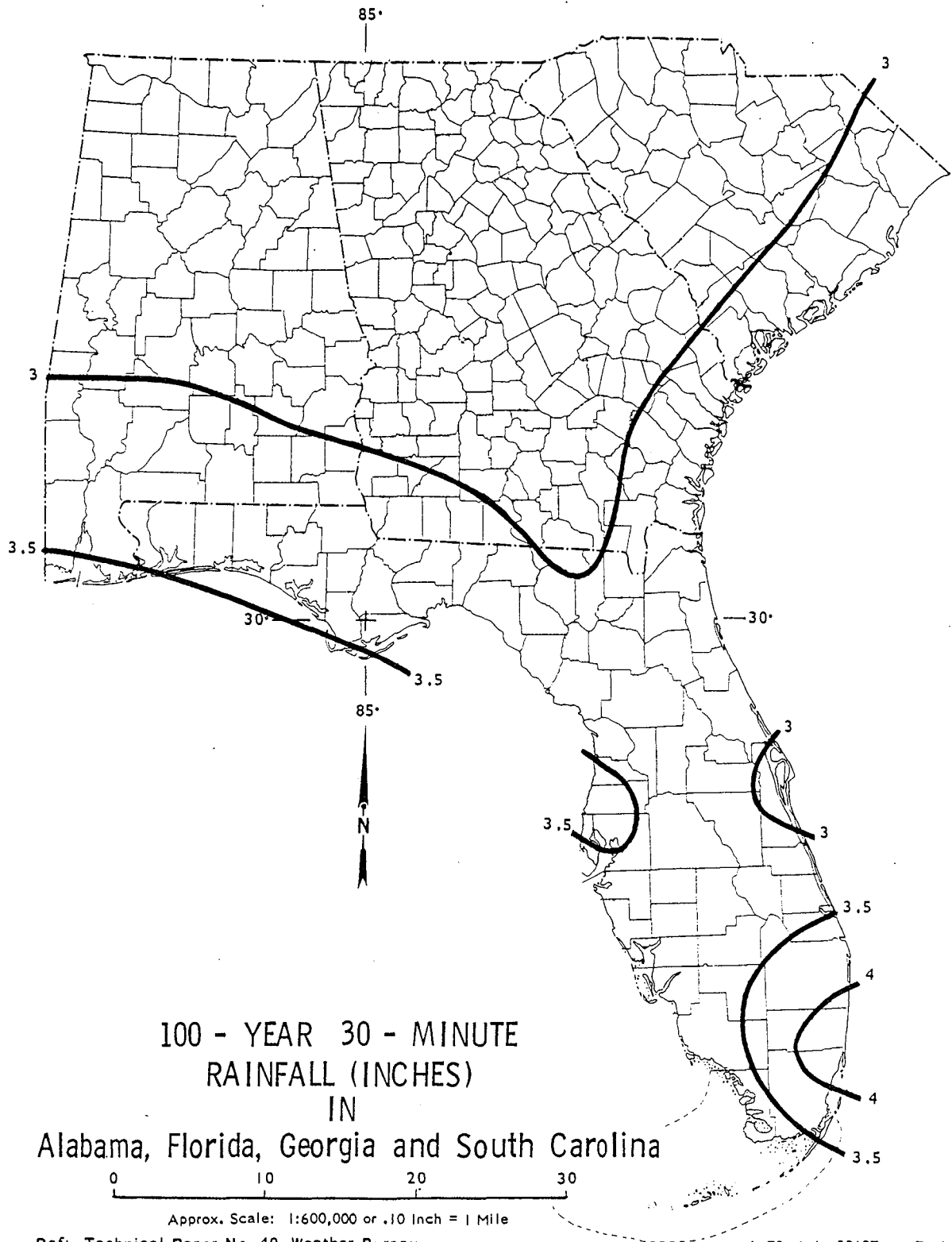






50 - YEAR 30 - MINUTE
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

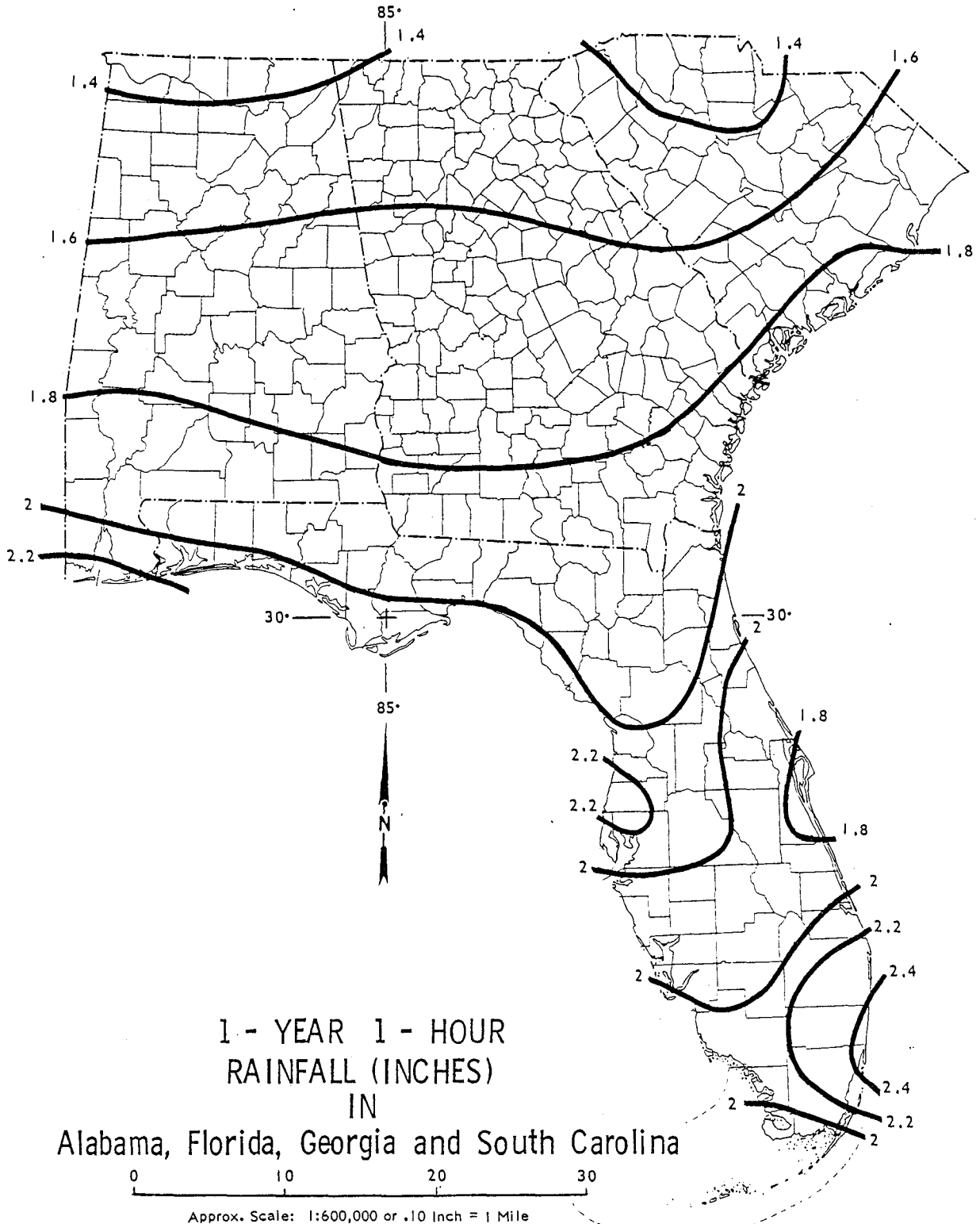
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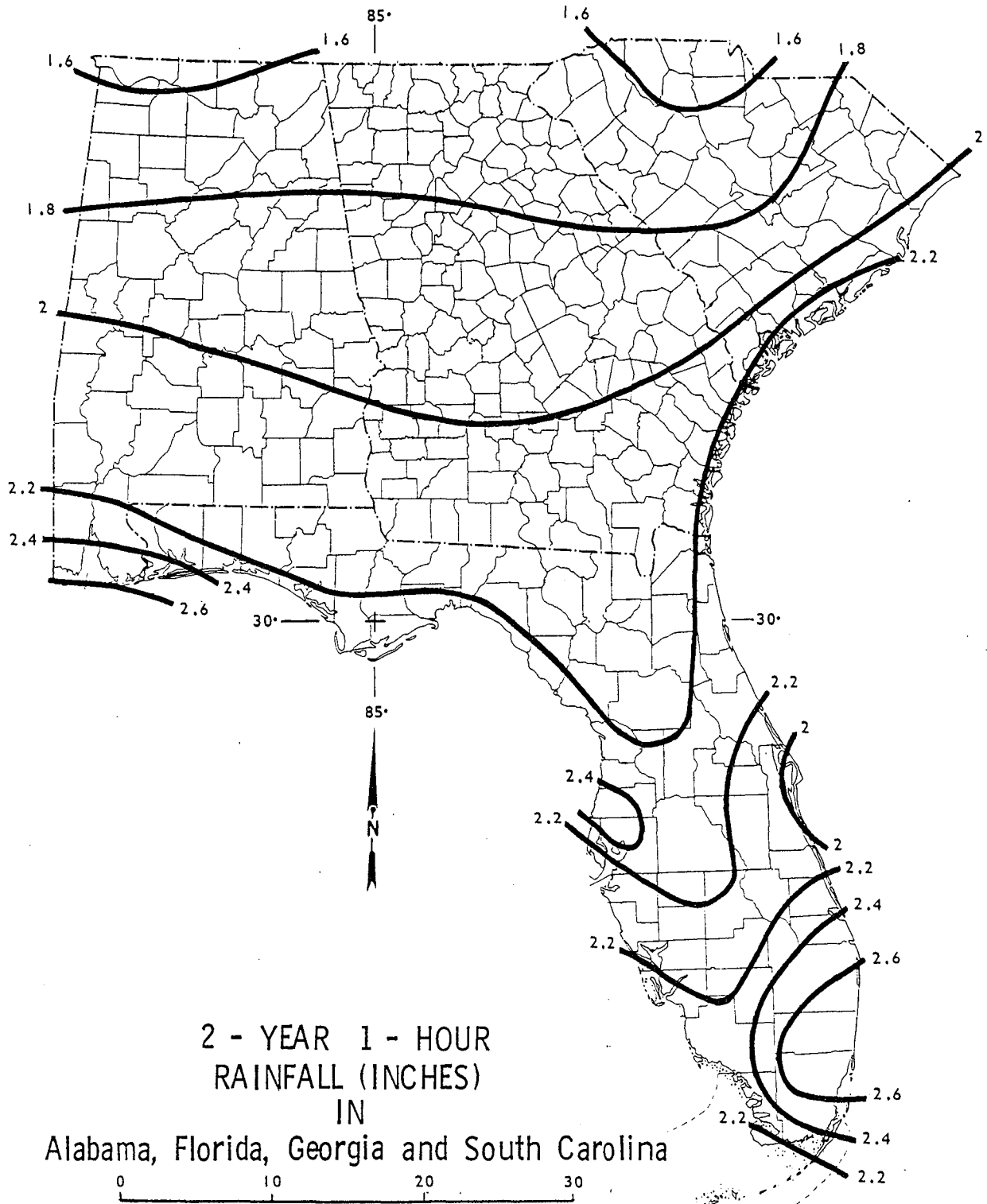


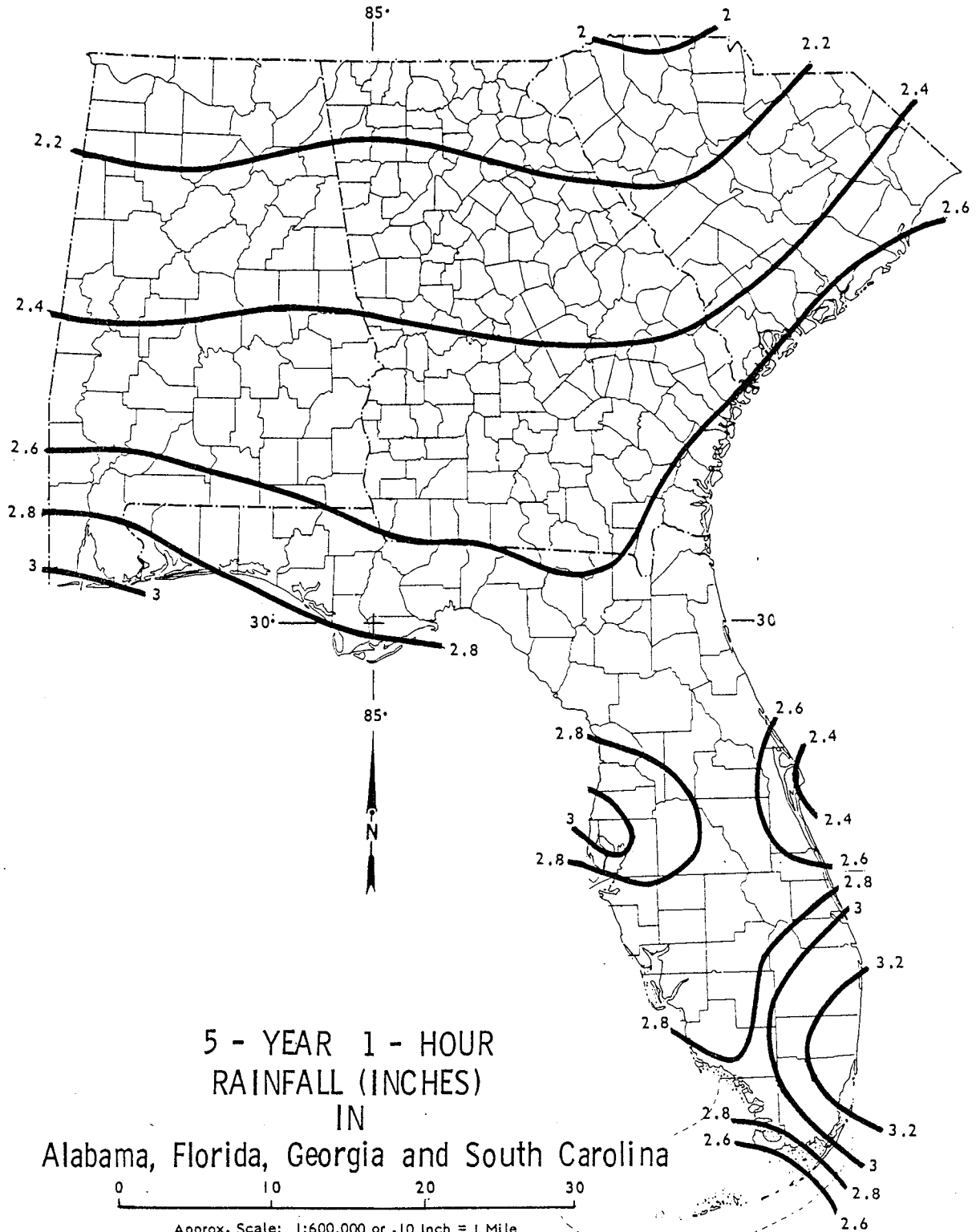
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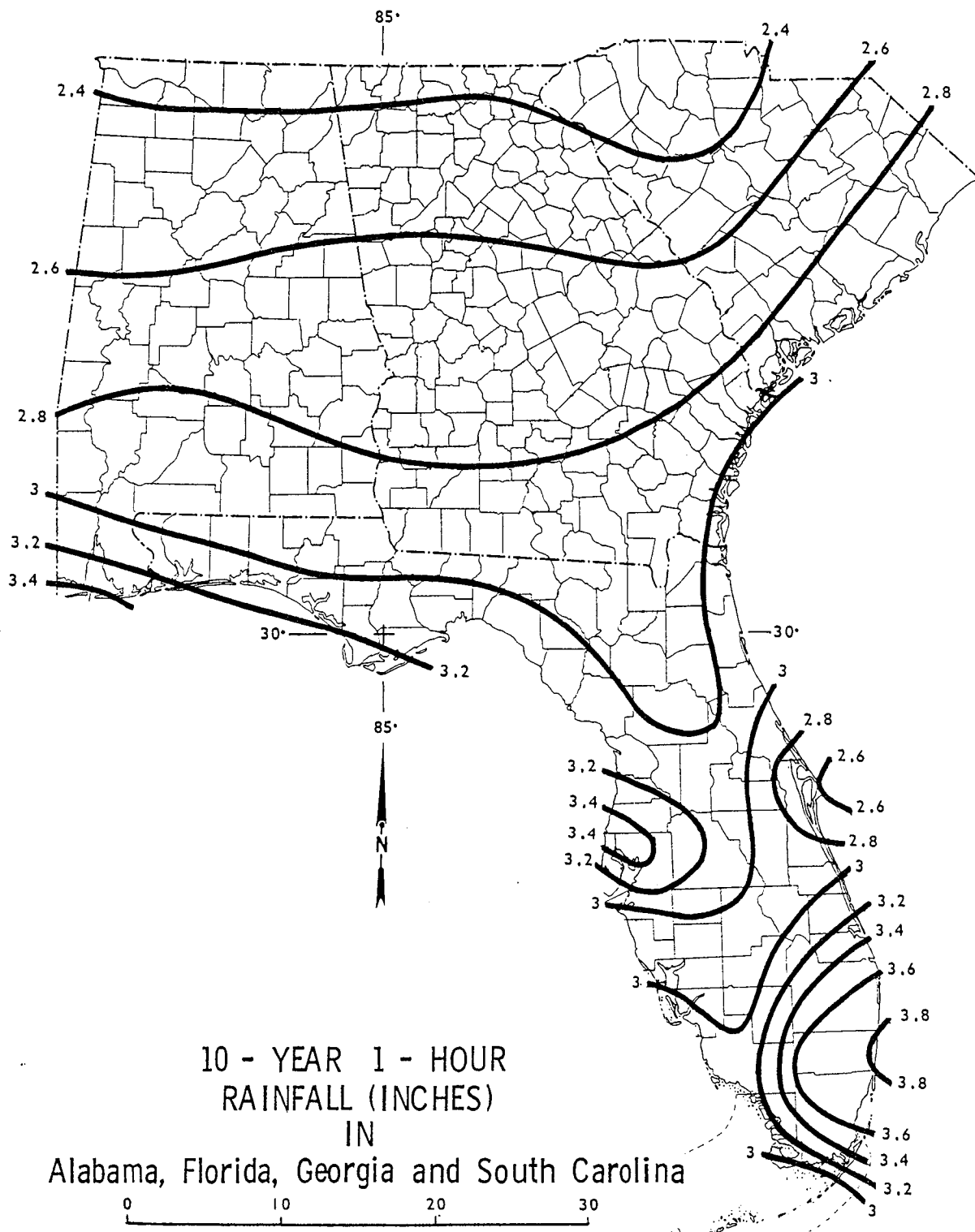
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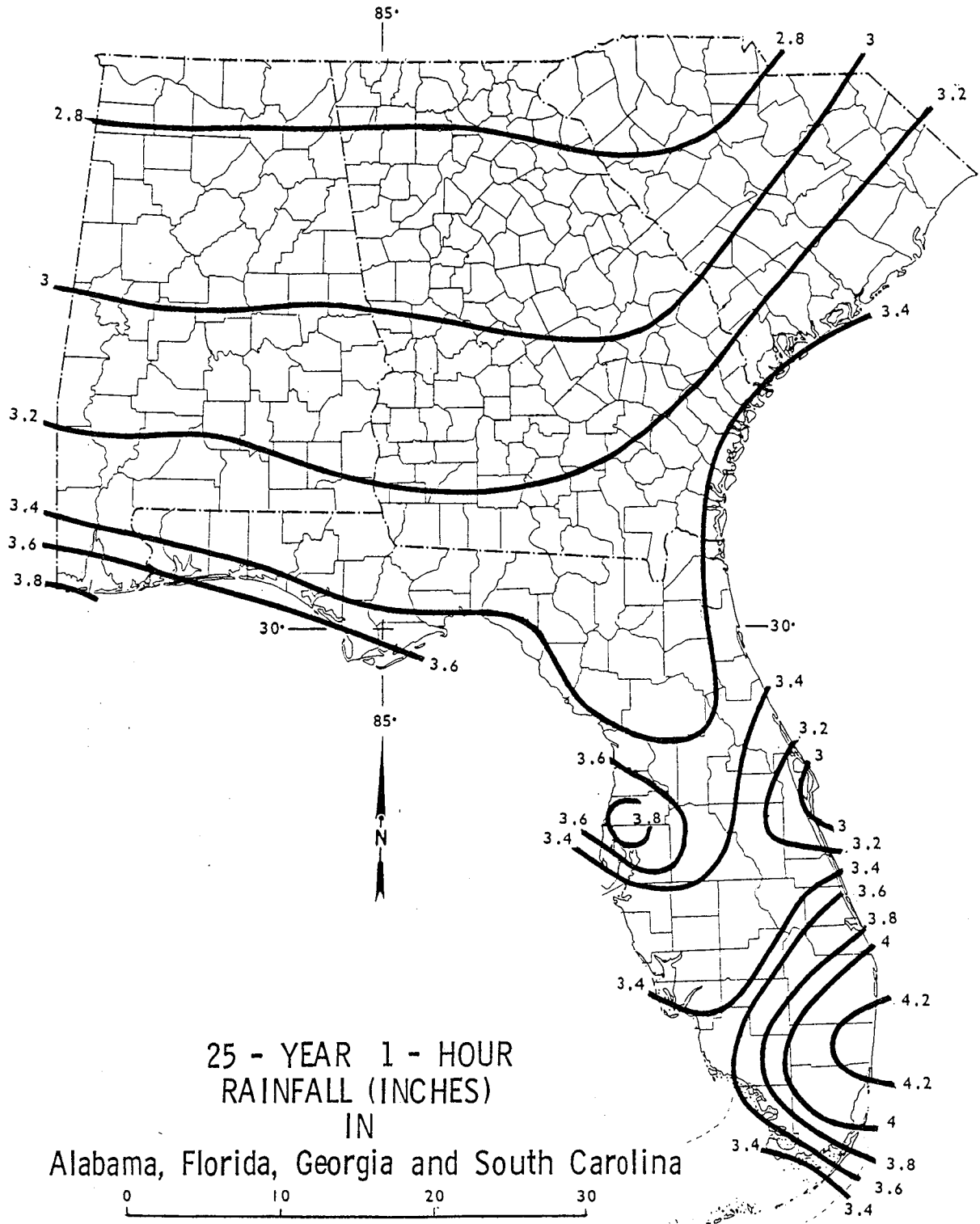


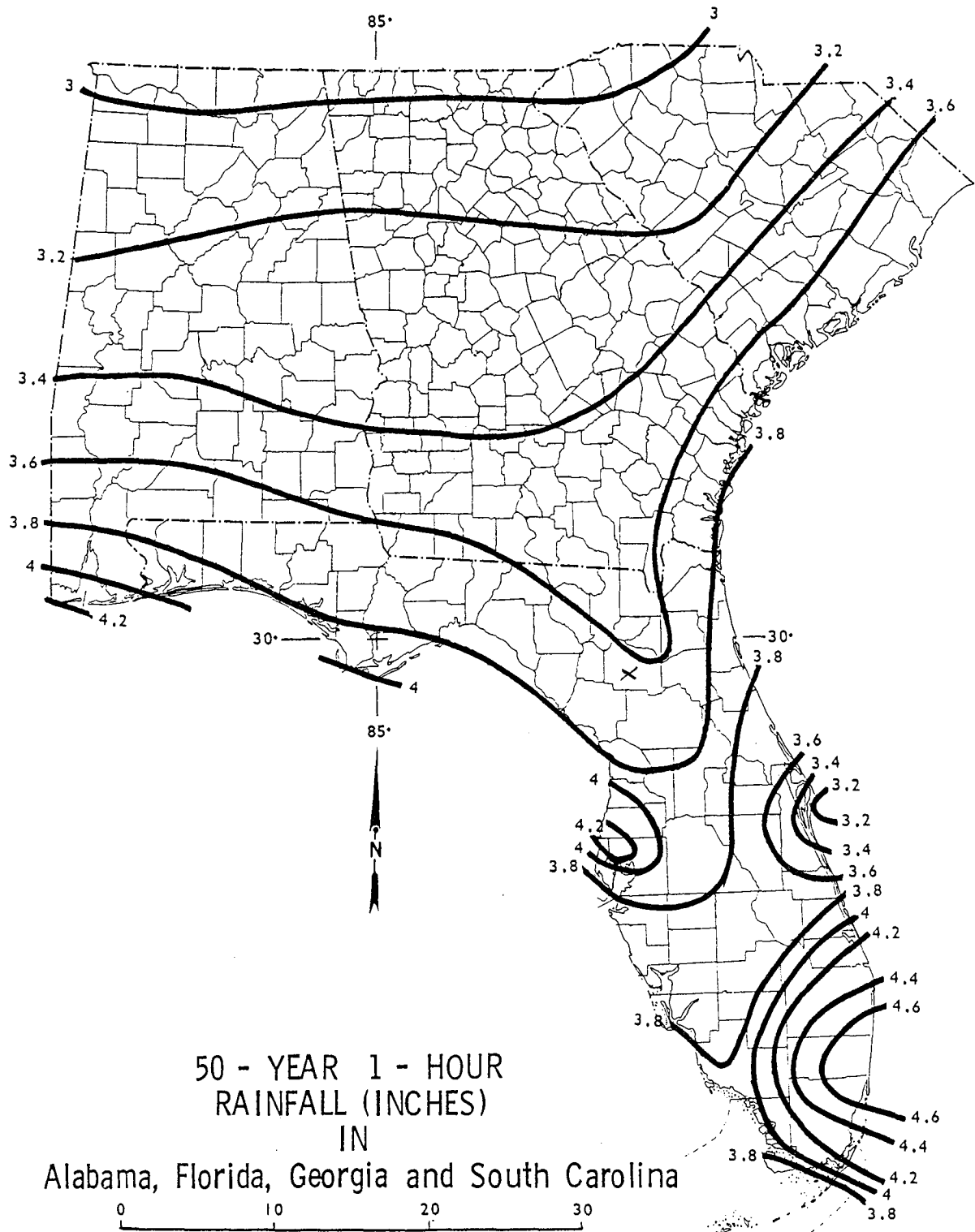




10 - YEAR 1 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973





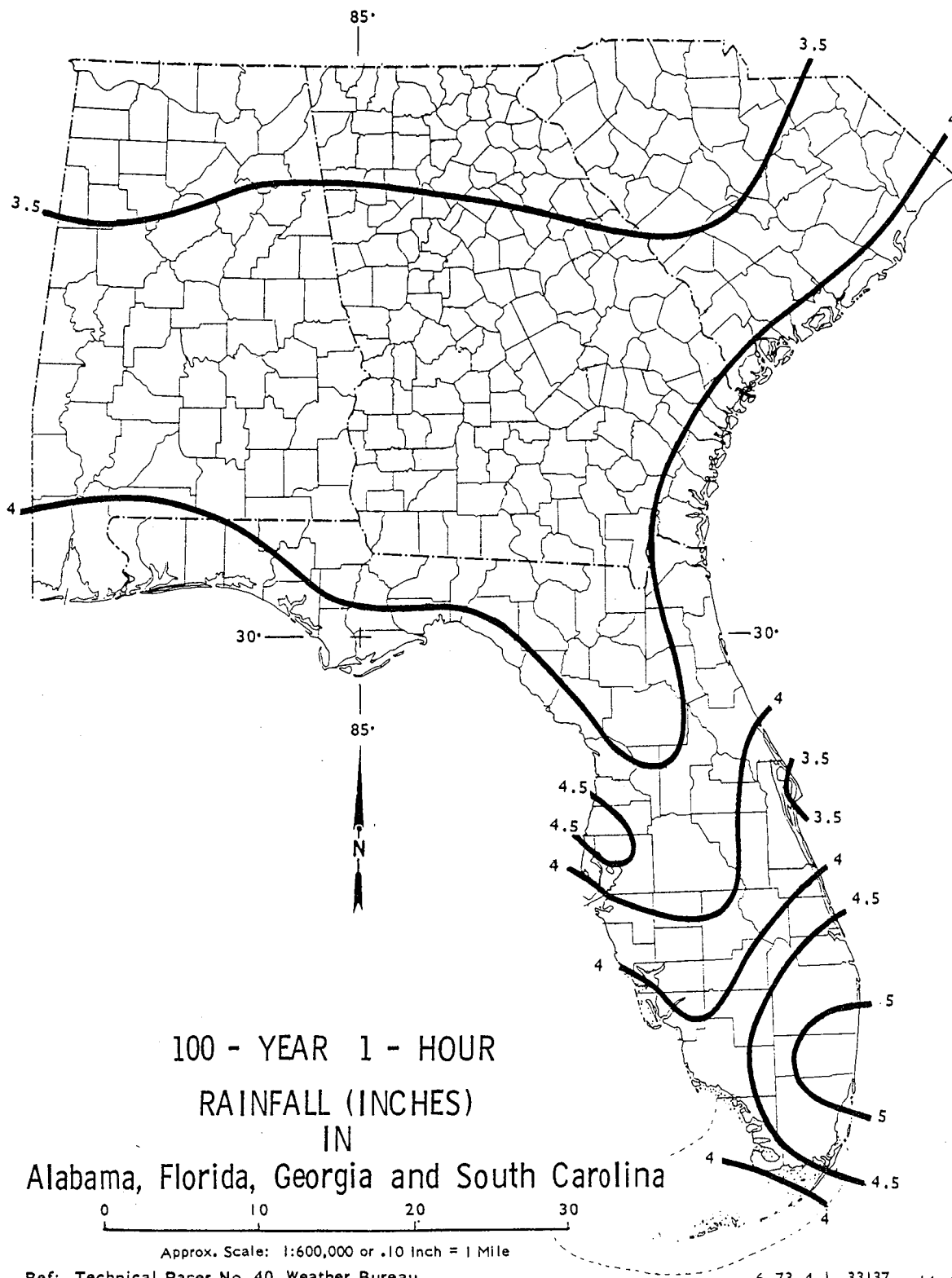
50 - YEAR 1 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

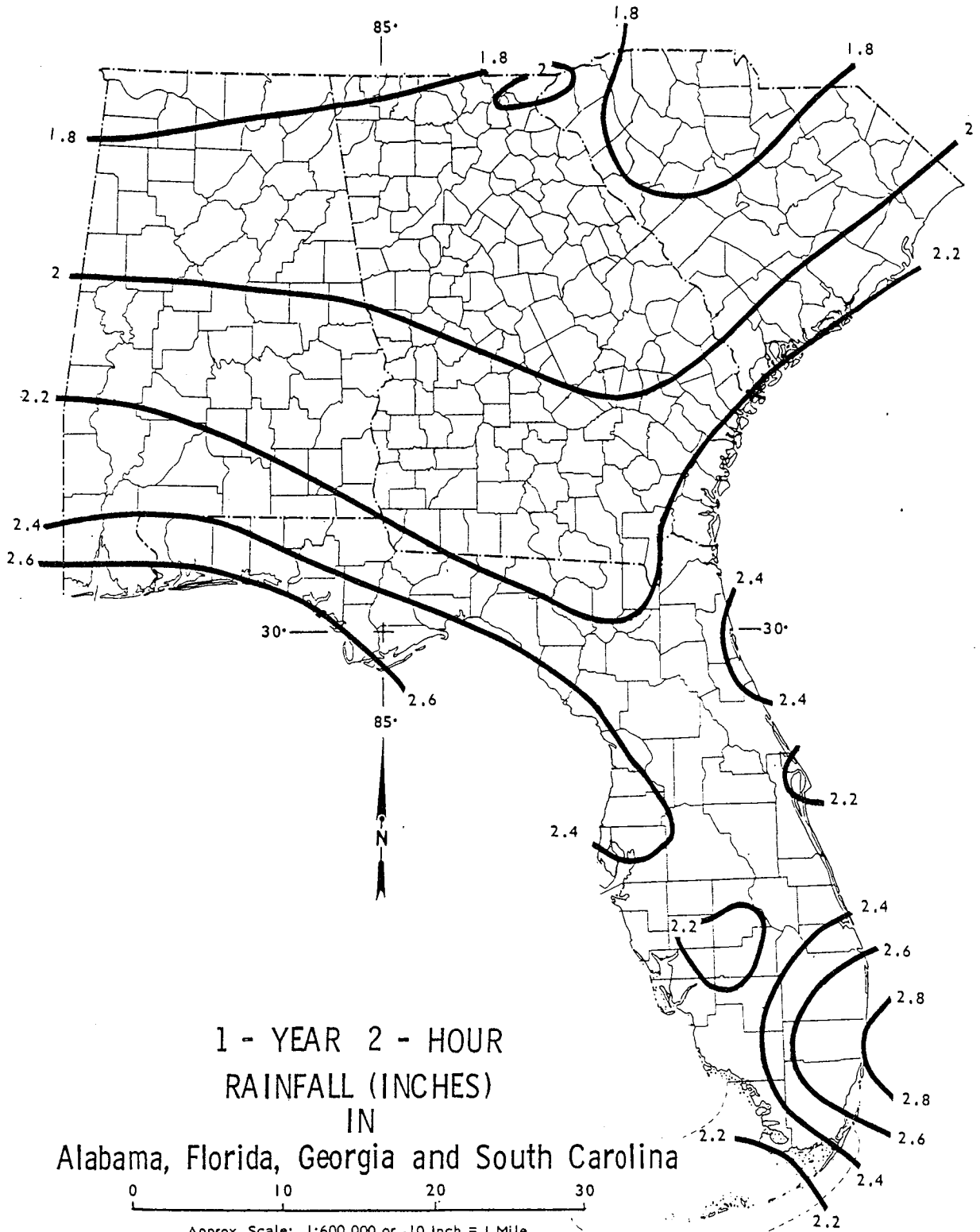
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Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

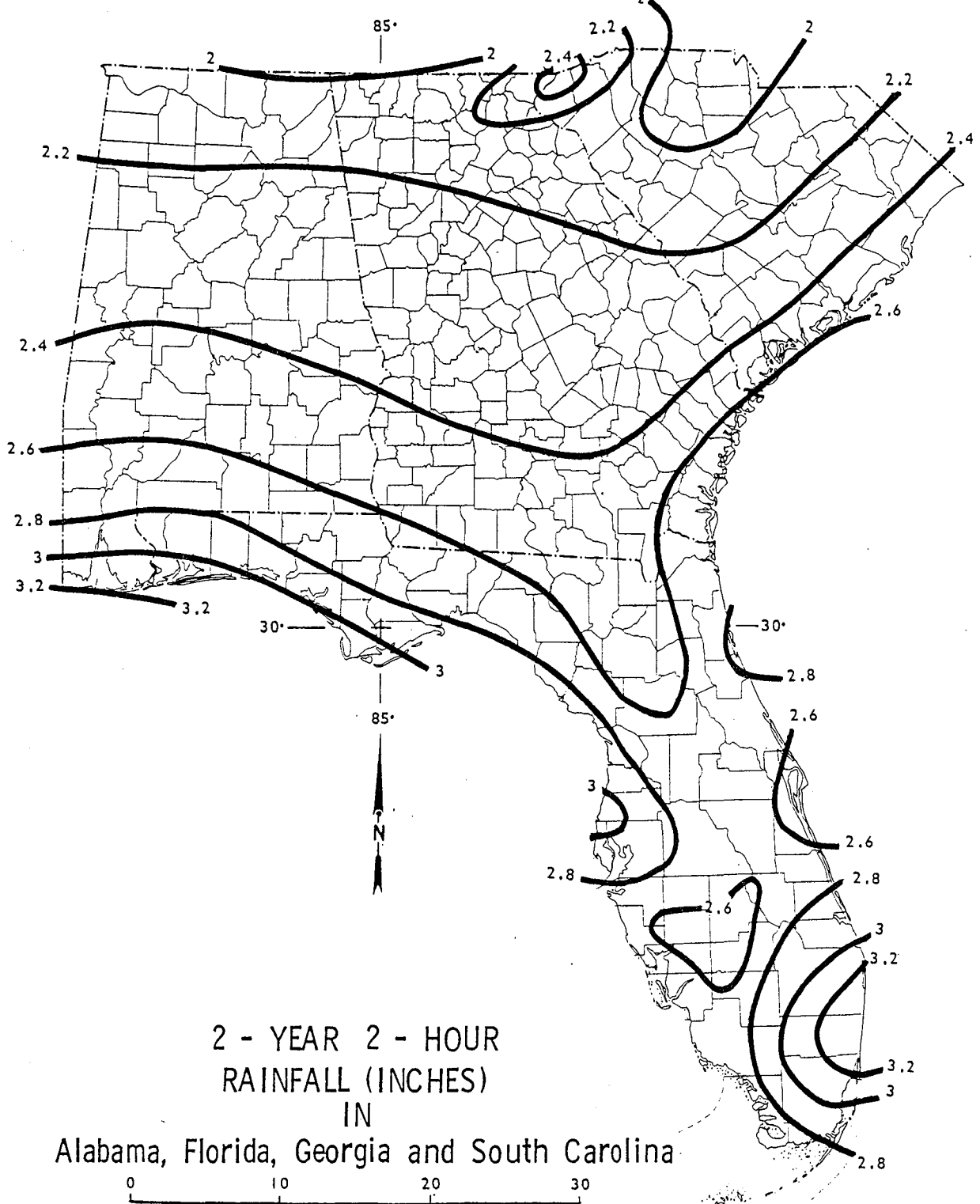
Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

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1 - YEAR 2 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

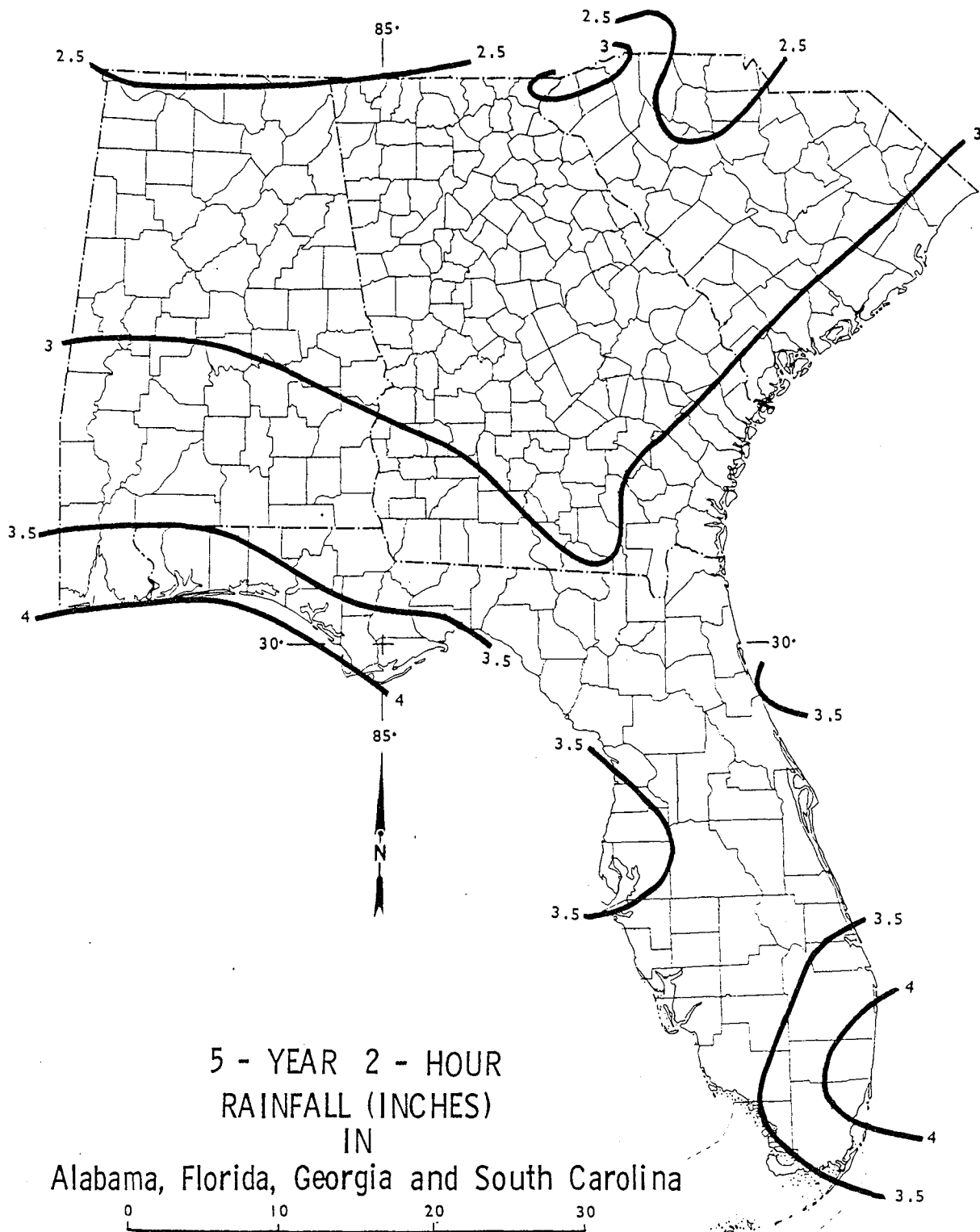


2 - YEAR 2 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973



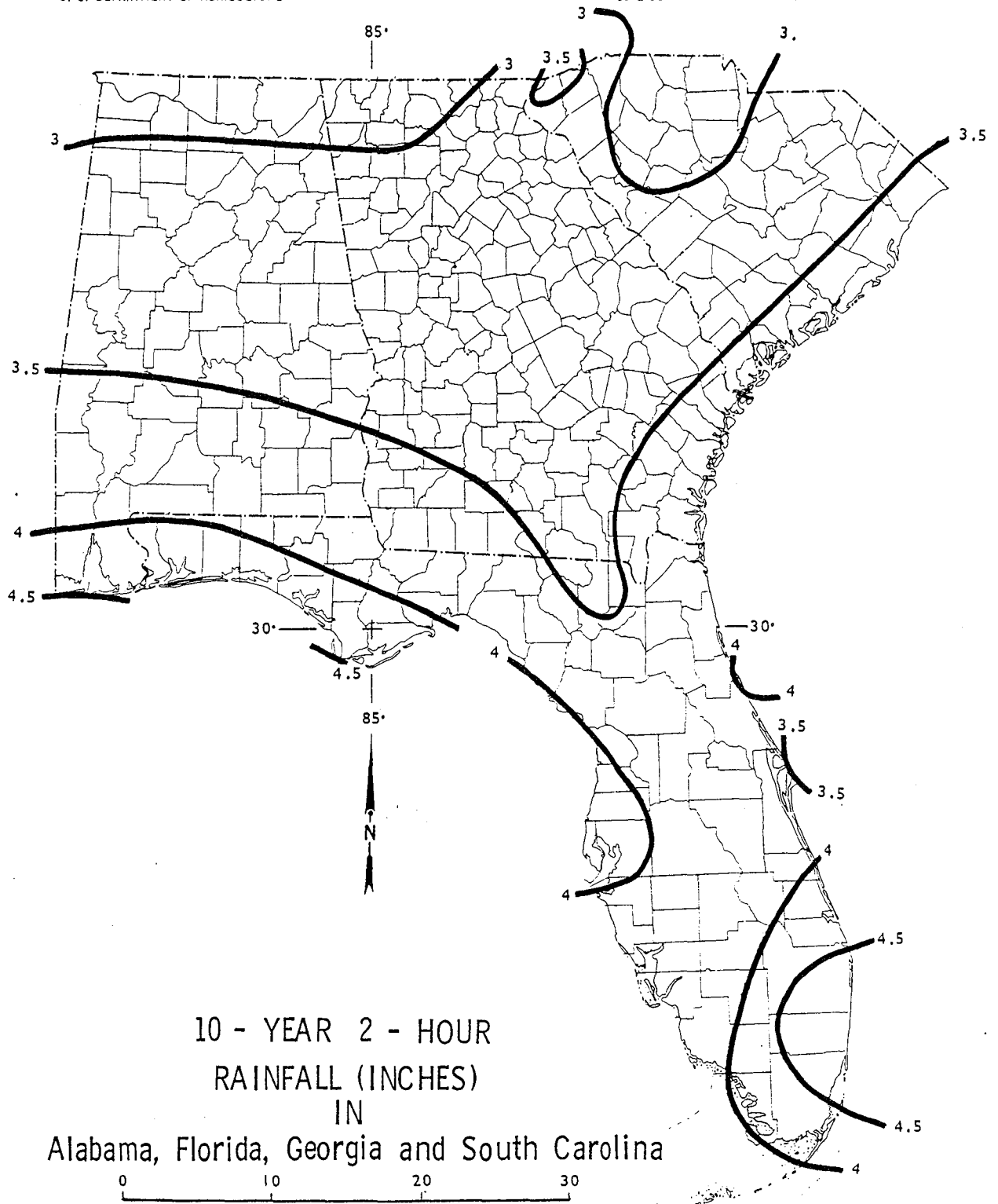
5 - YEAR 2 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

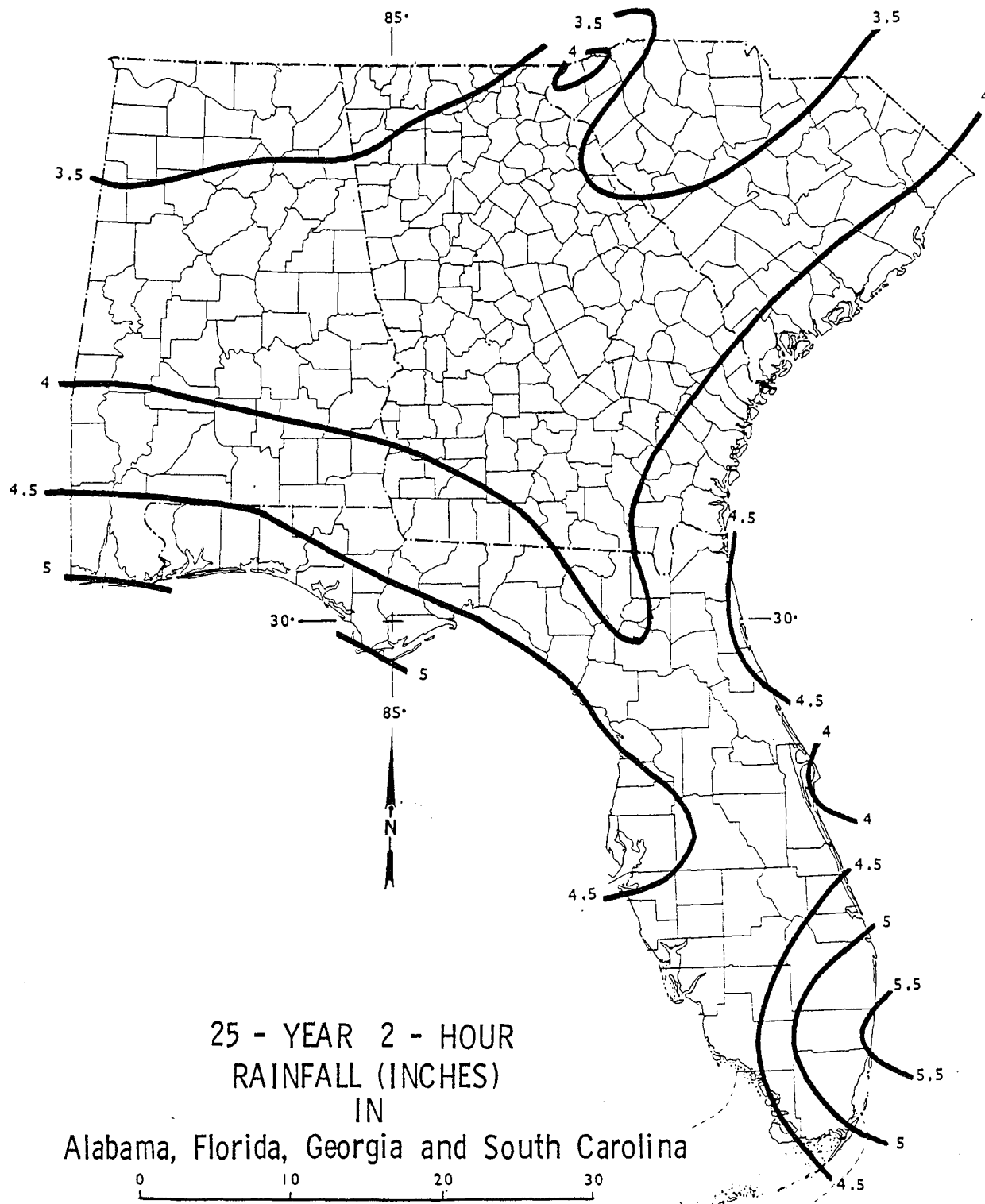
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10 - YEAR 2 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973



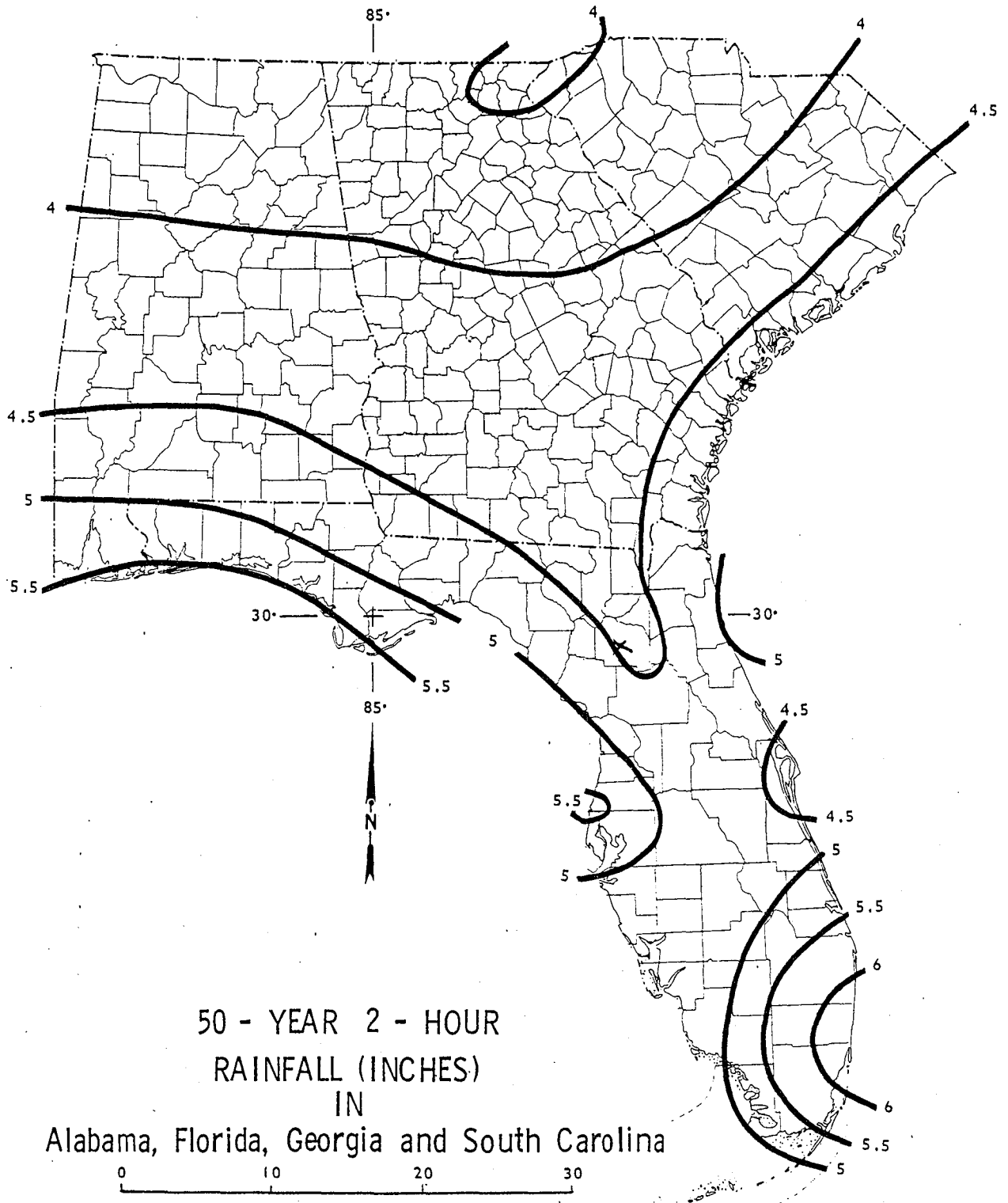
25 - YEAR 2 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

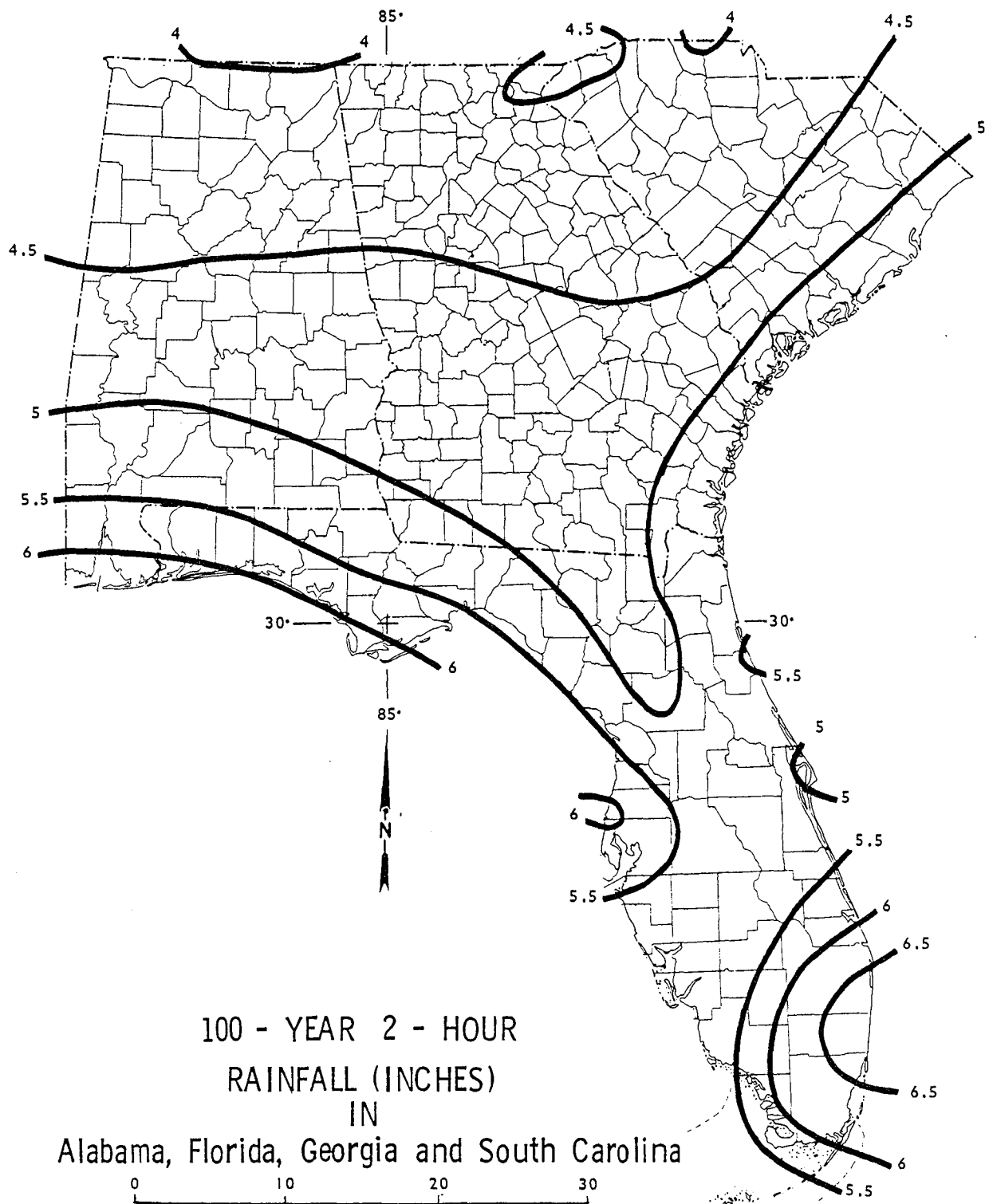
Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

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50 - YEAR 2 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

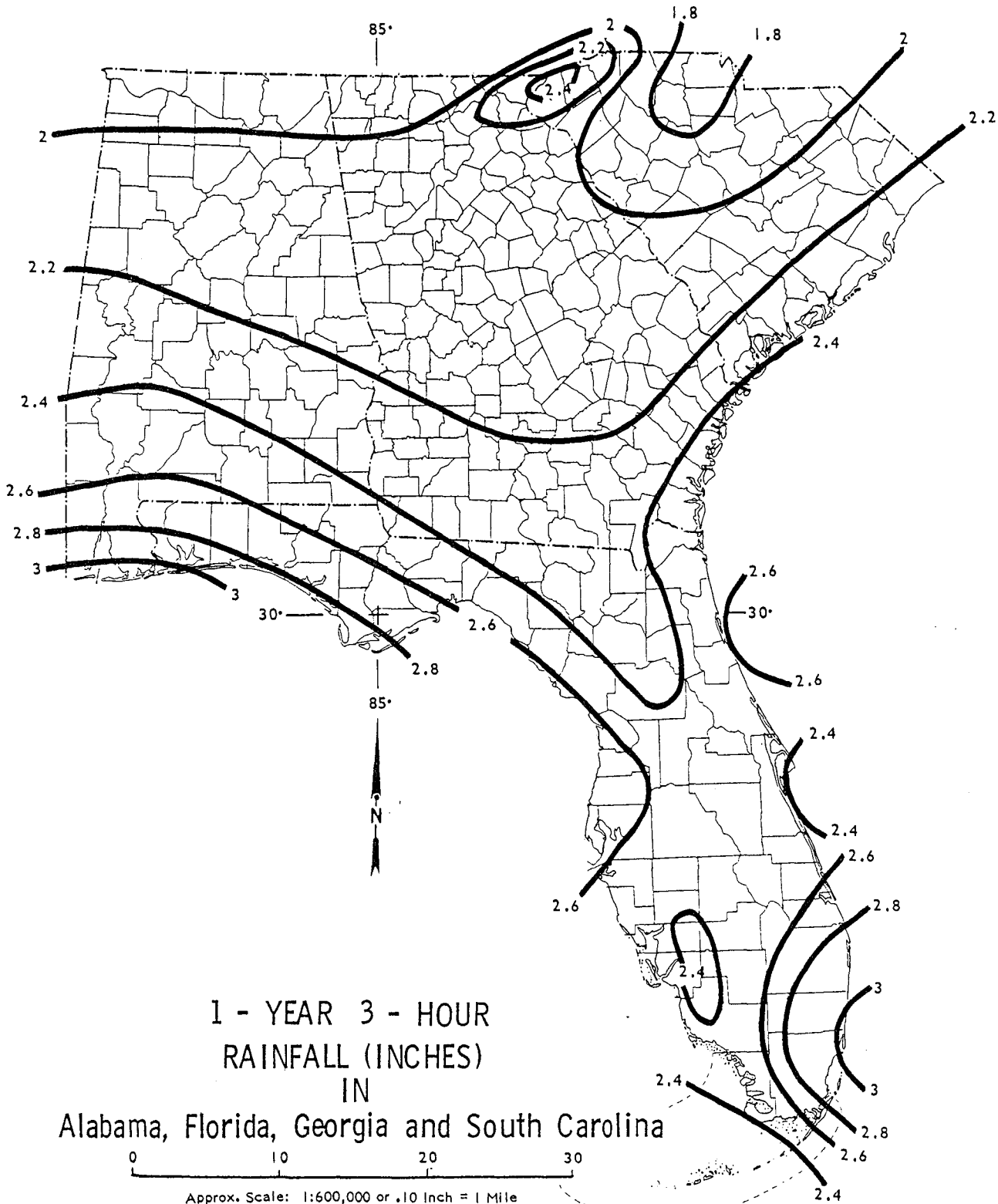


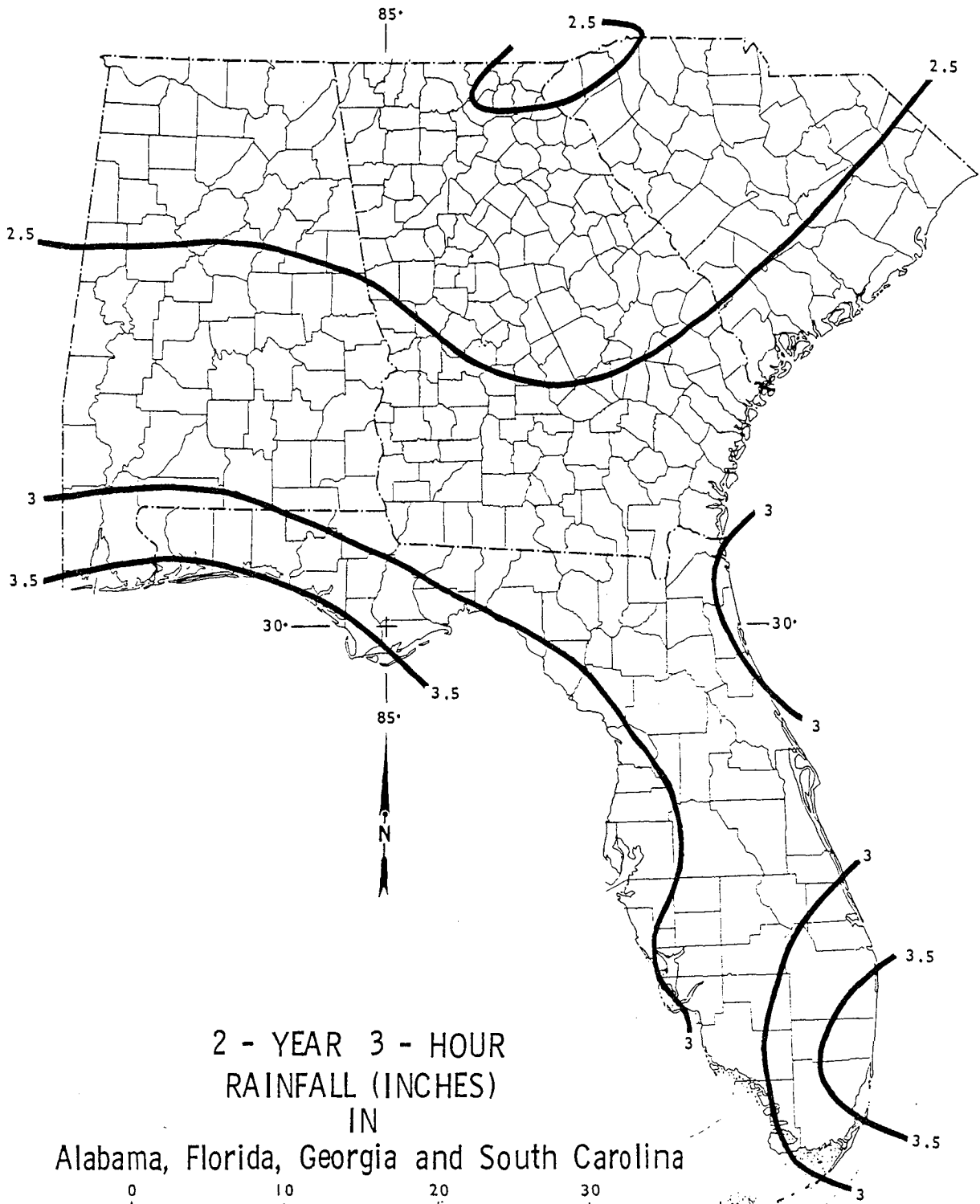
100 - YEAR 2 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

Approx. Scale: 1:600,000 or .10 inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

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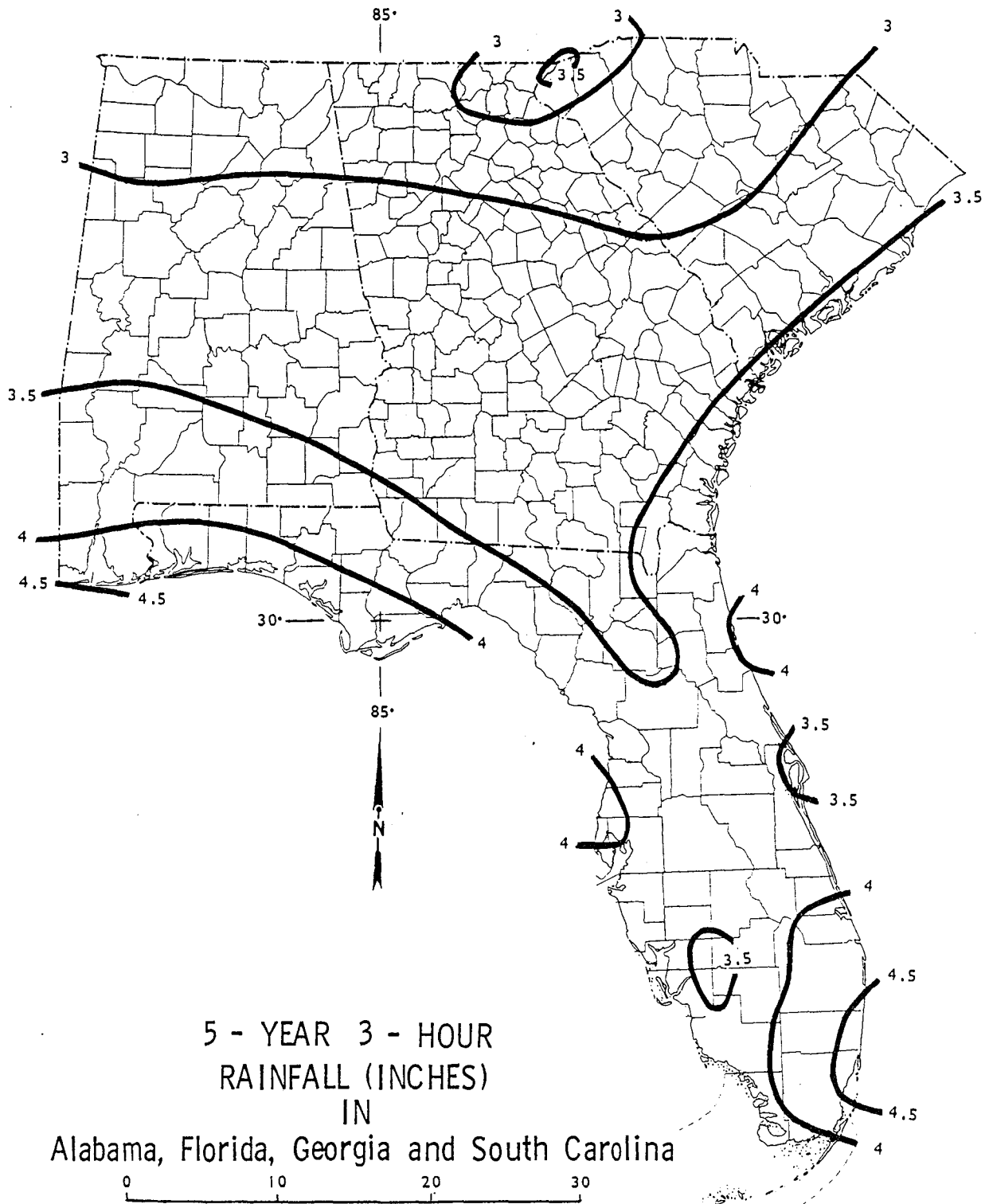
2 - YEAR 3 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

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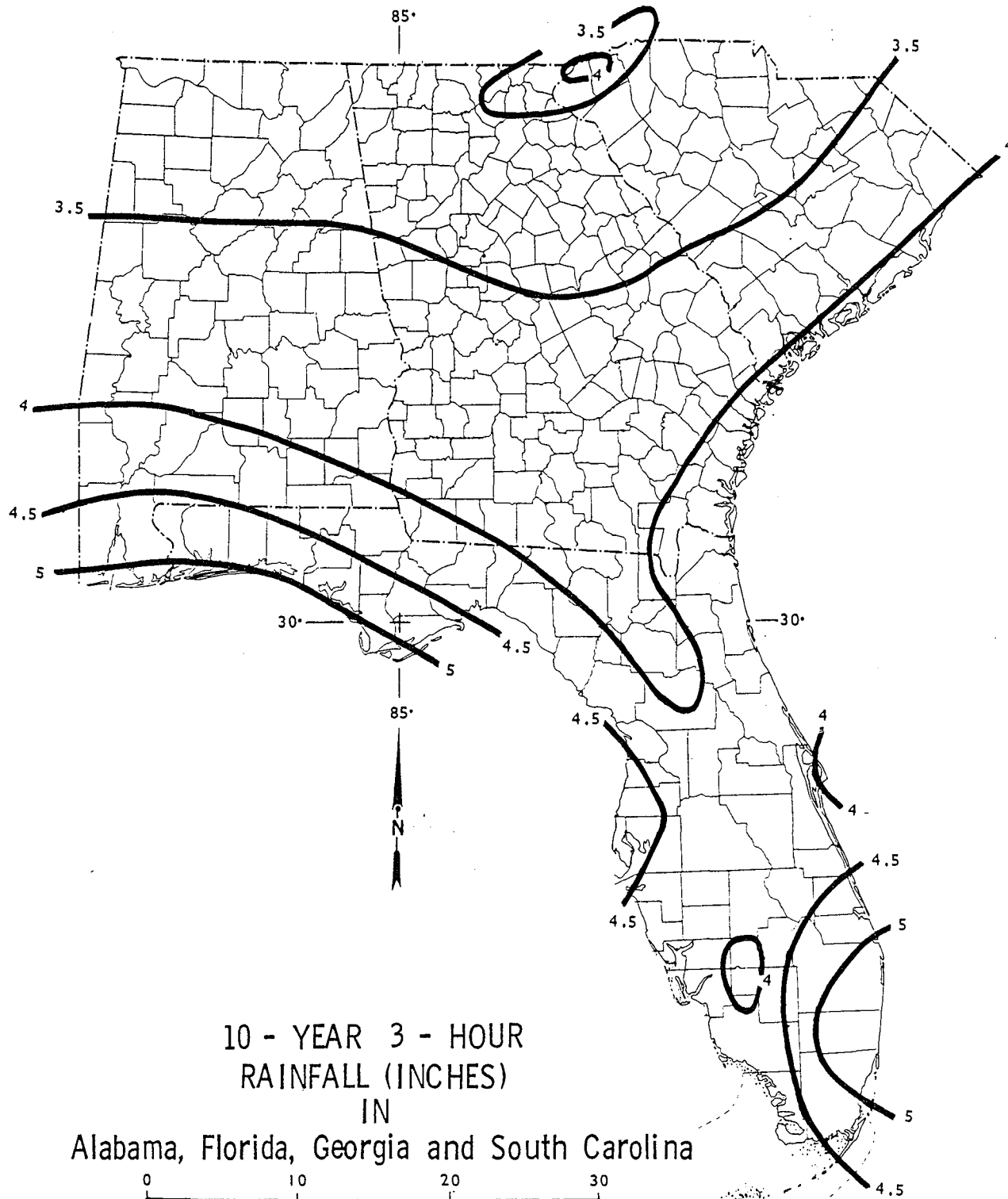
5 - YEAR 3 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

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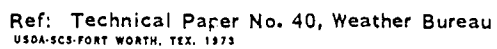
10 - YEAR 3 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

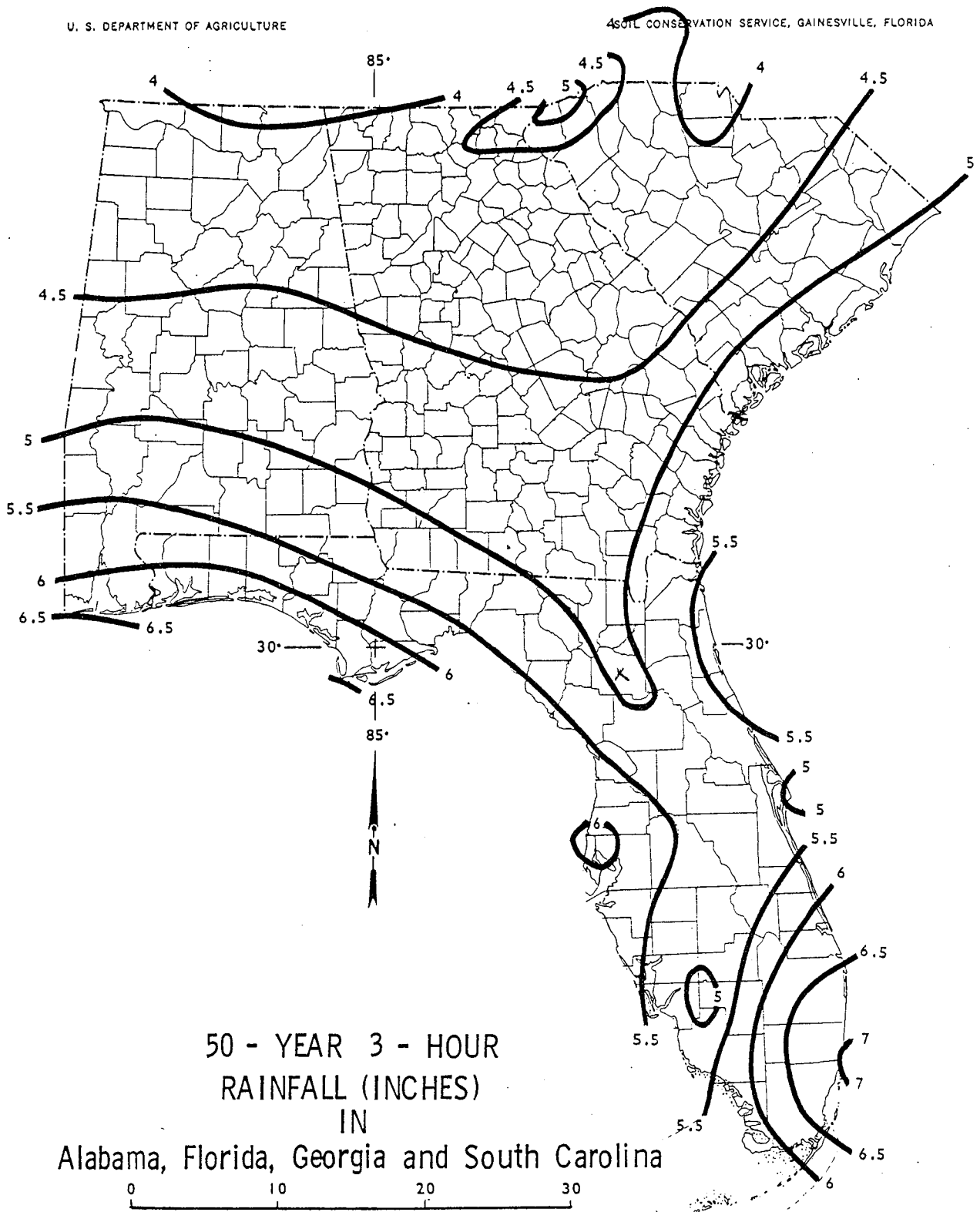
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Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

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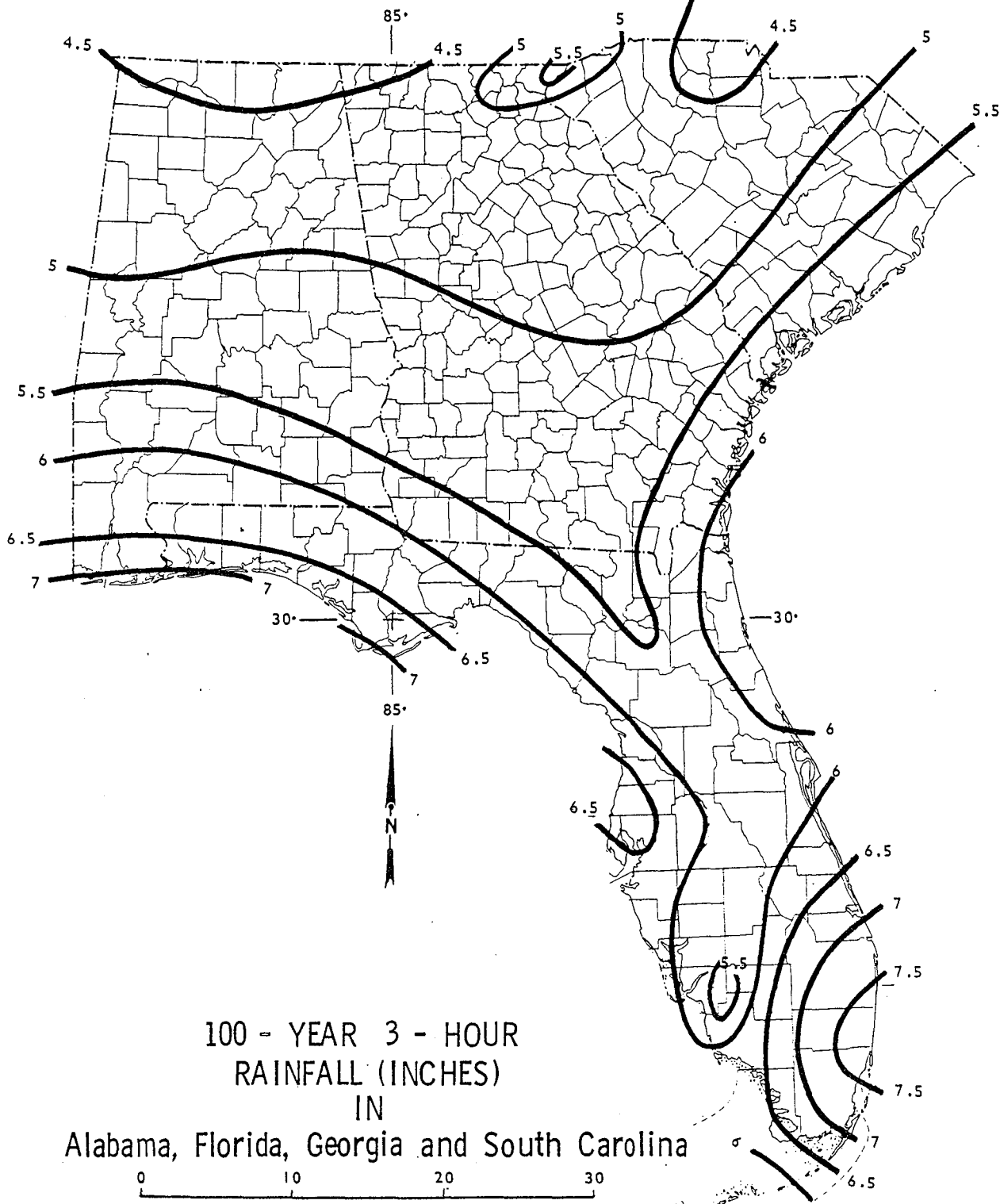


50 - YEAR 3 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

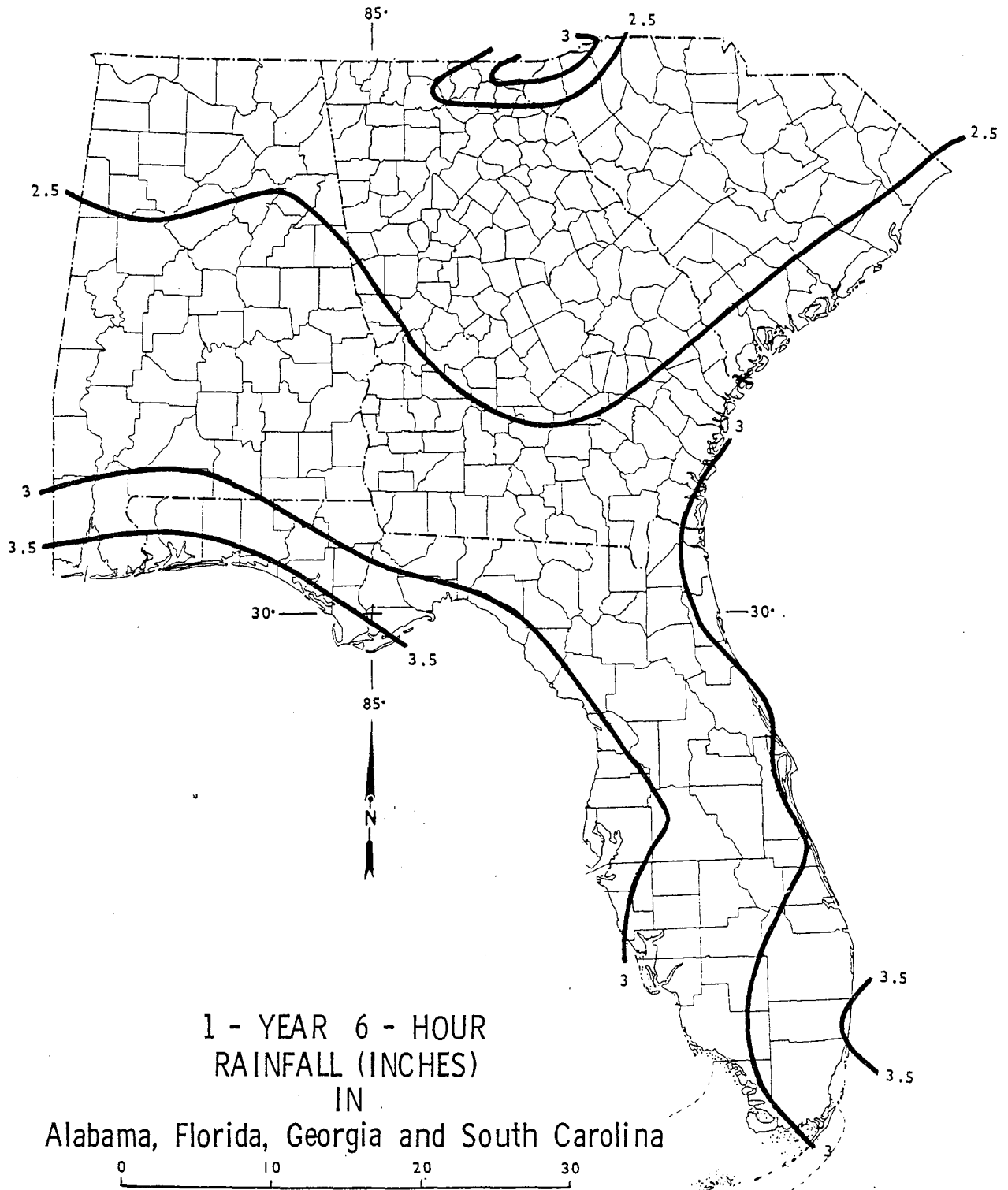


100 - YEAR 3 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

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USDA-SCS-FORT WORTH, TEX. 1973



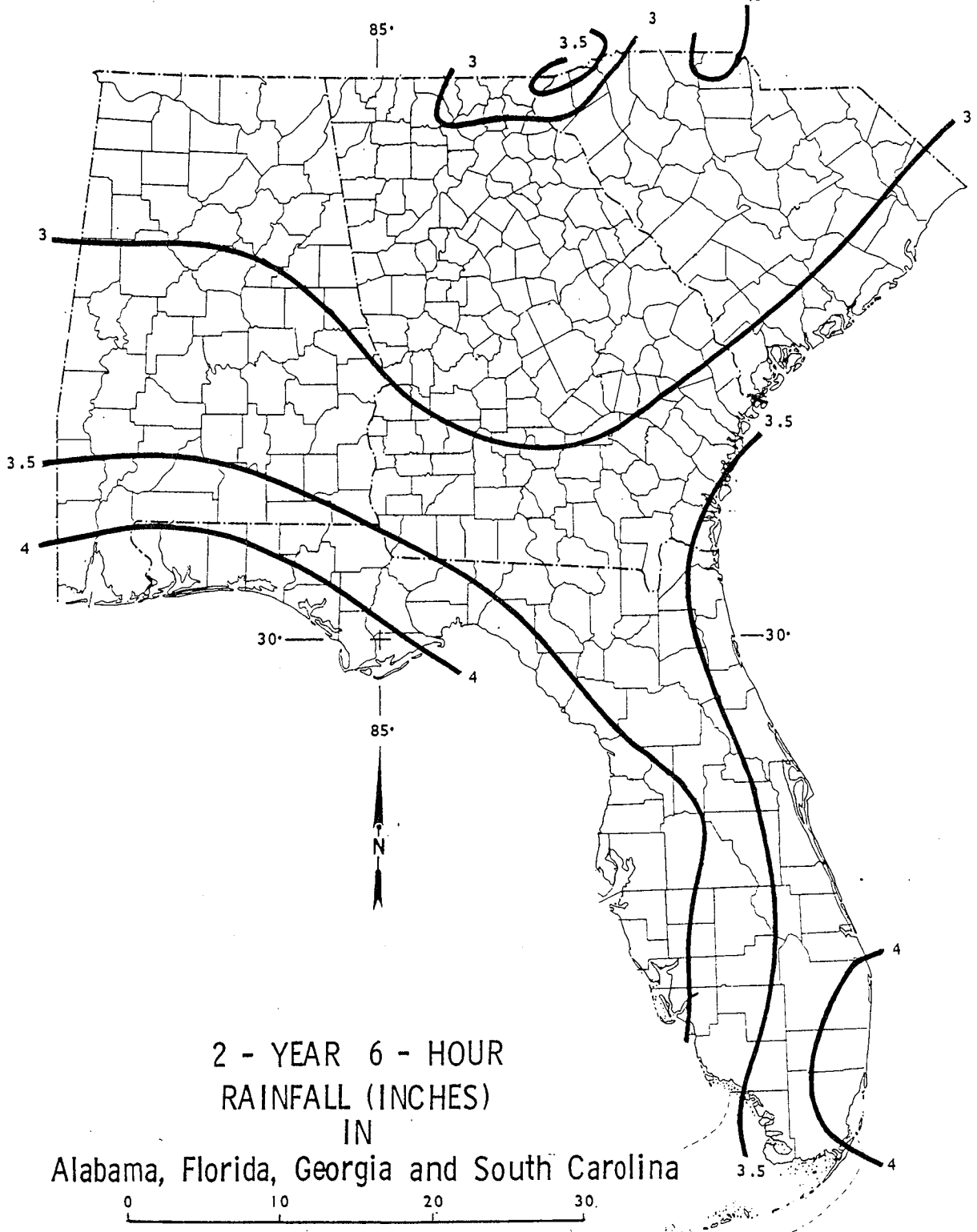
1 - YEAR 6 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

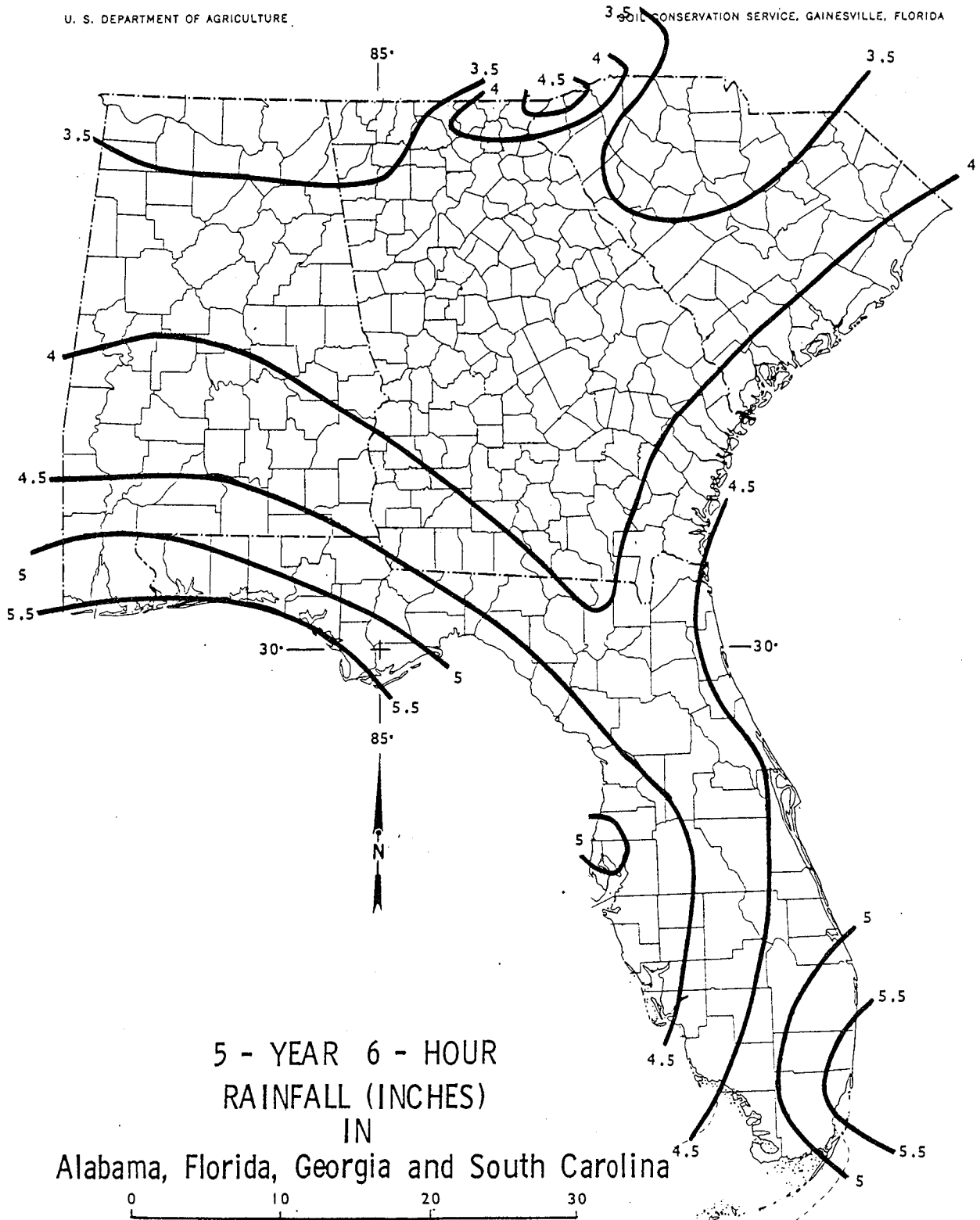
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Approx. Scale: 1:600,000 or .10 inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

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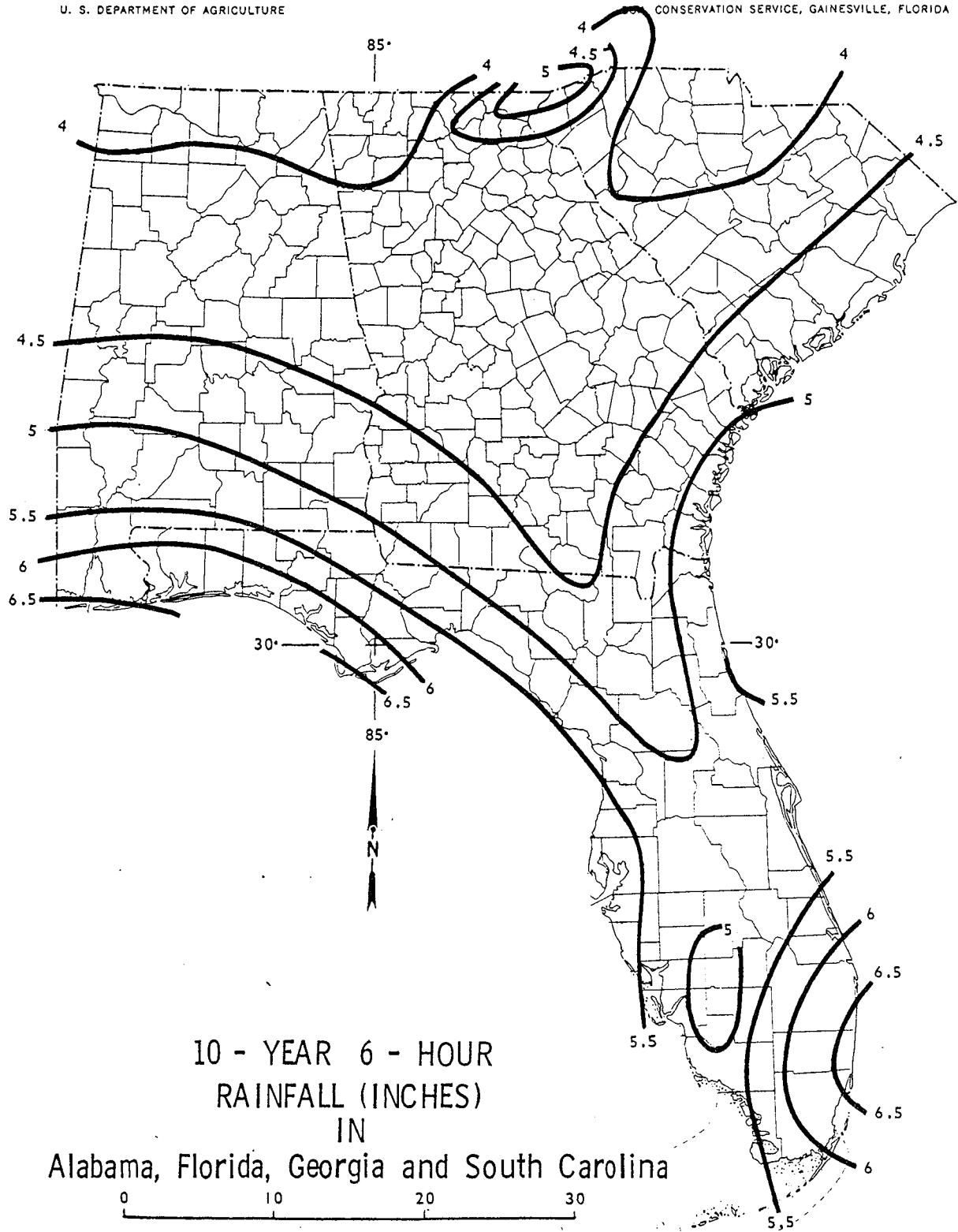


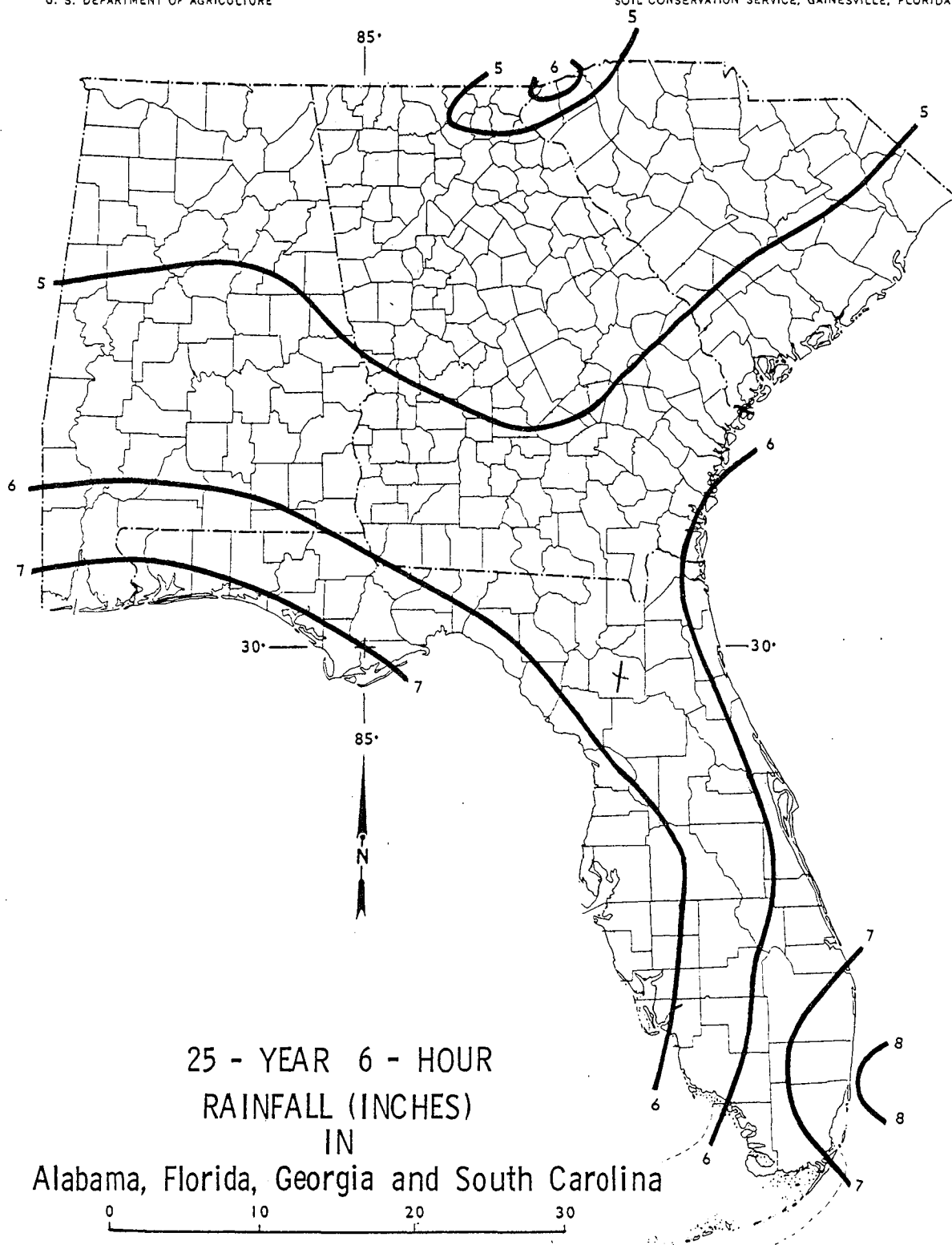
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RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973





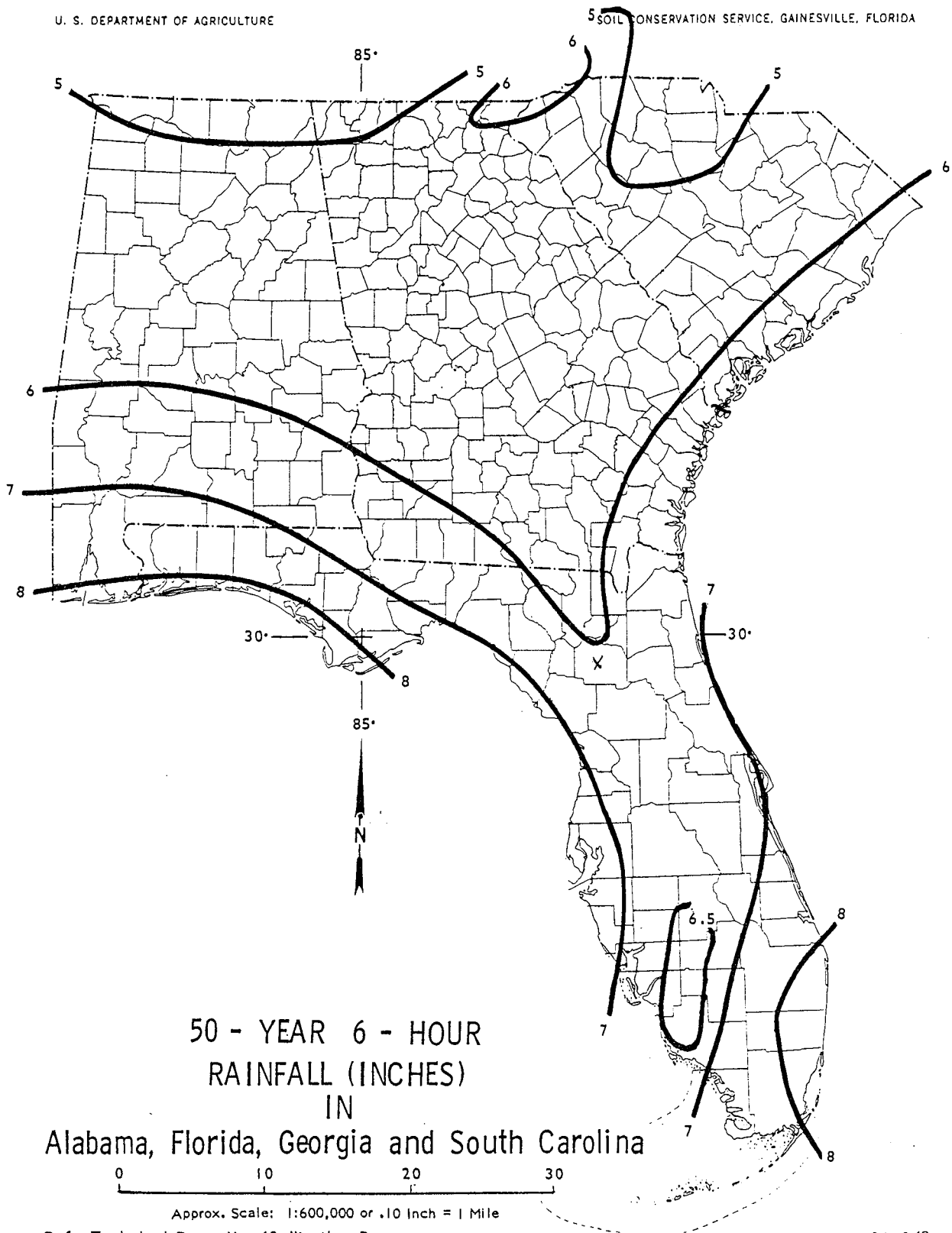
25 - YEAR 6 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

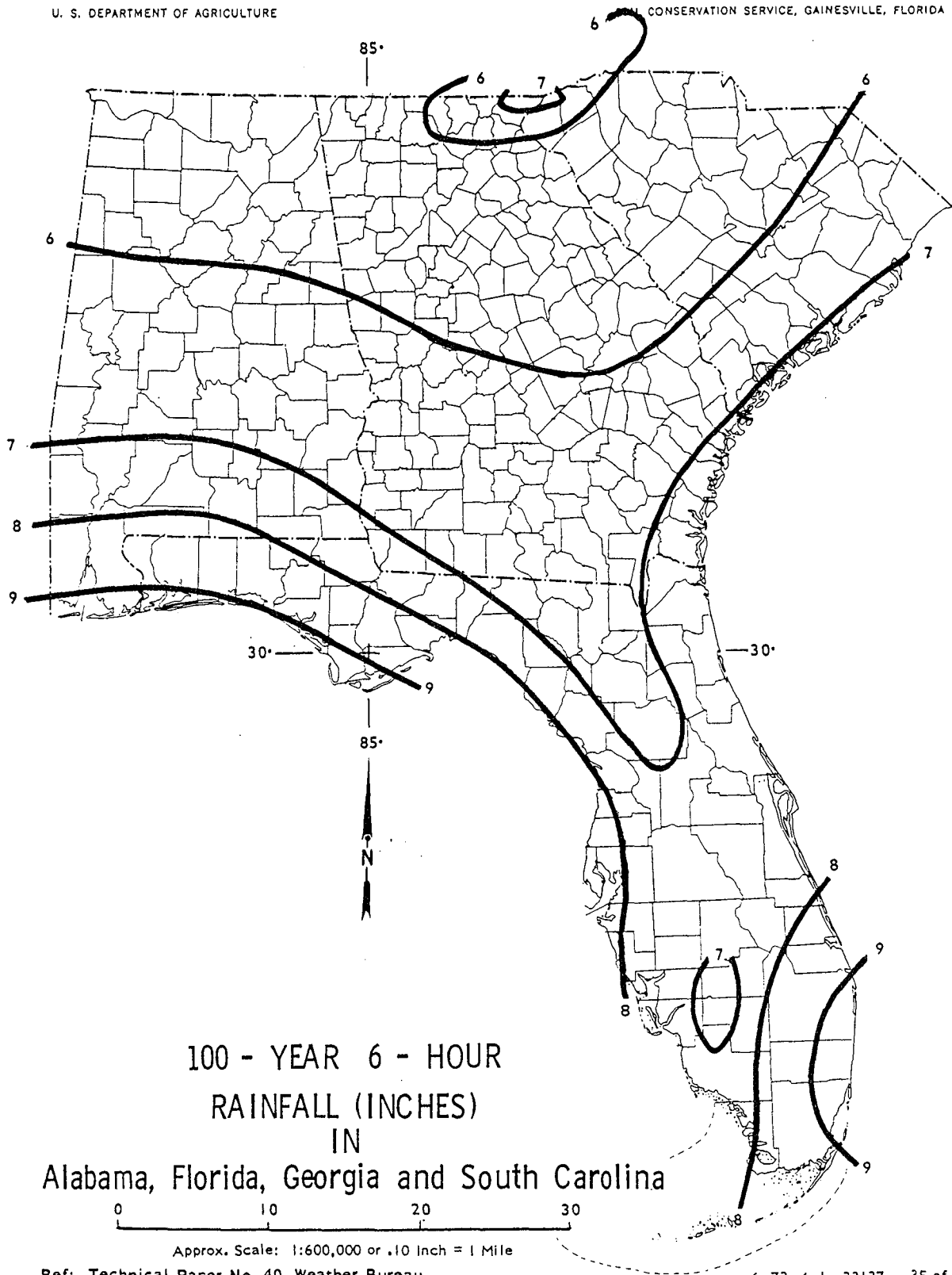
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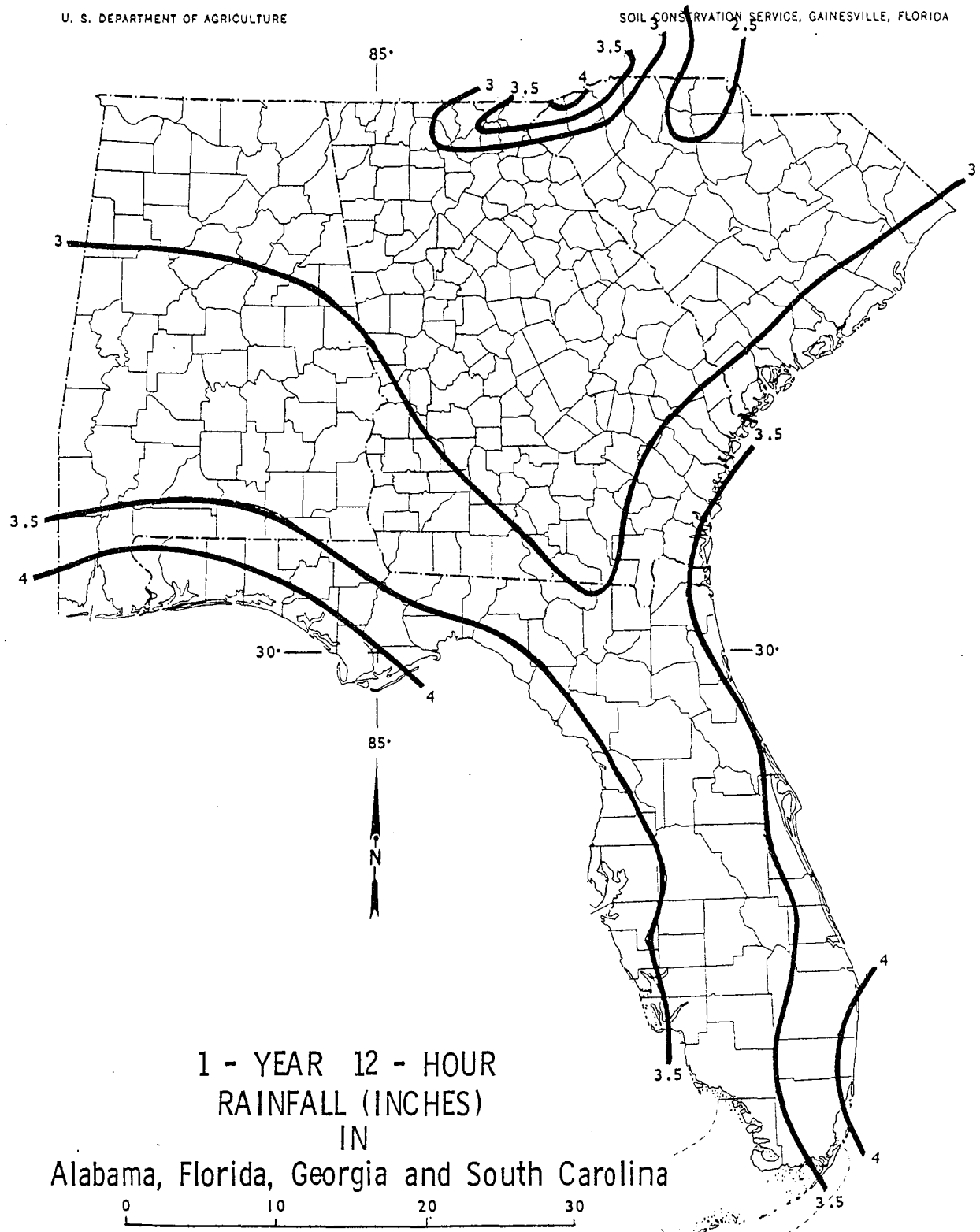
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USDA-SCS-FORT WORTH, TEX. 1973

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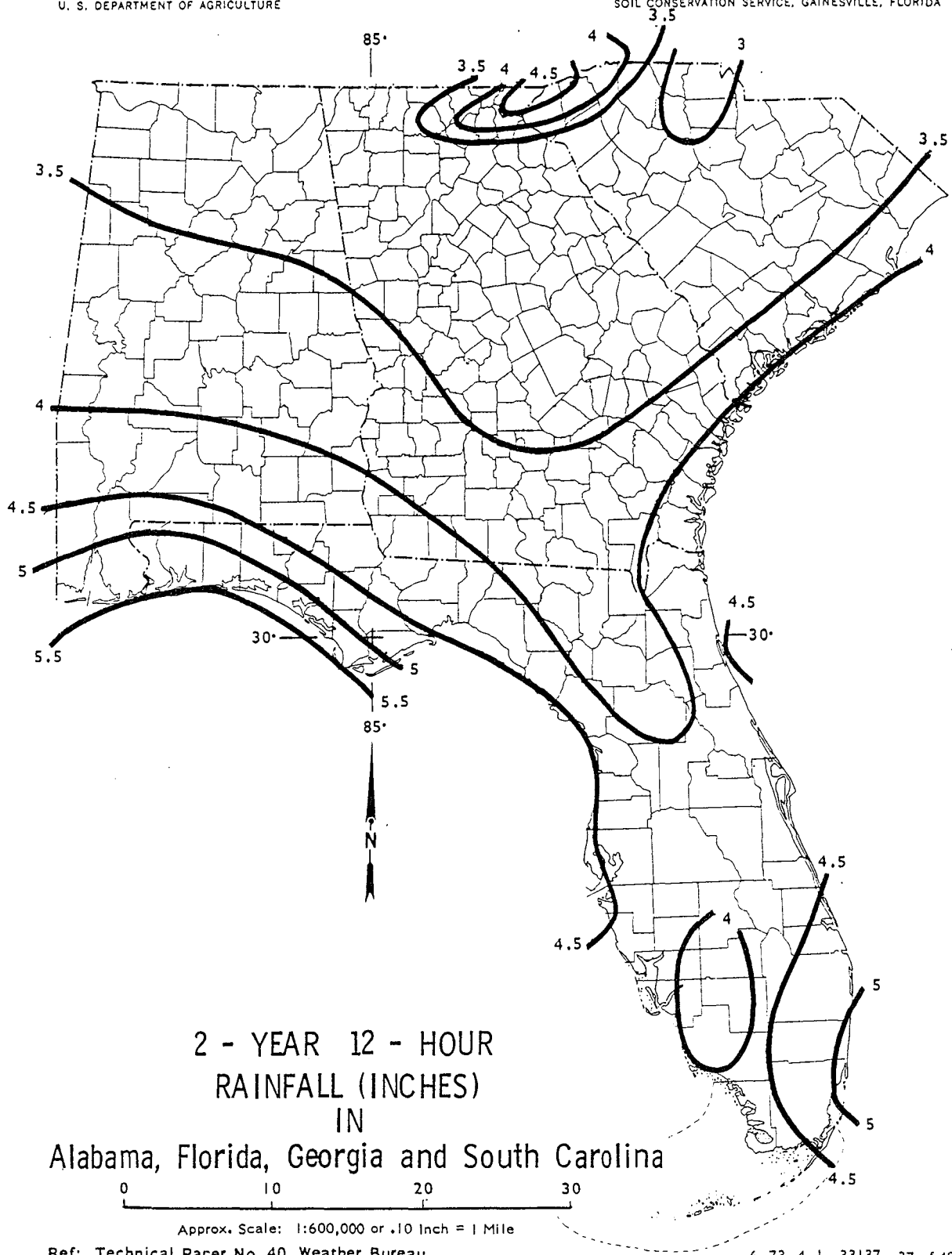
1 - YEAR 12 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

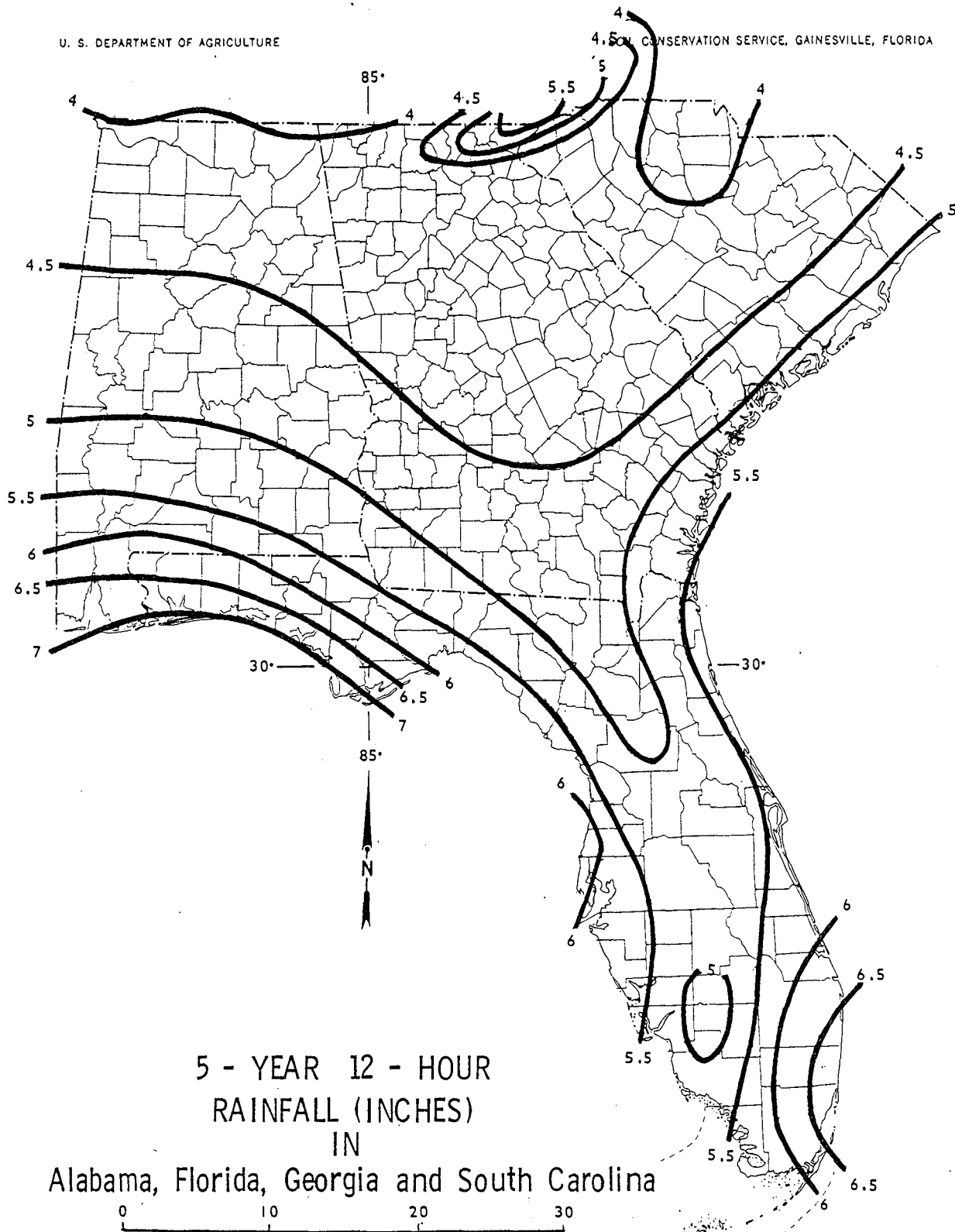
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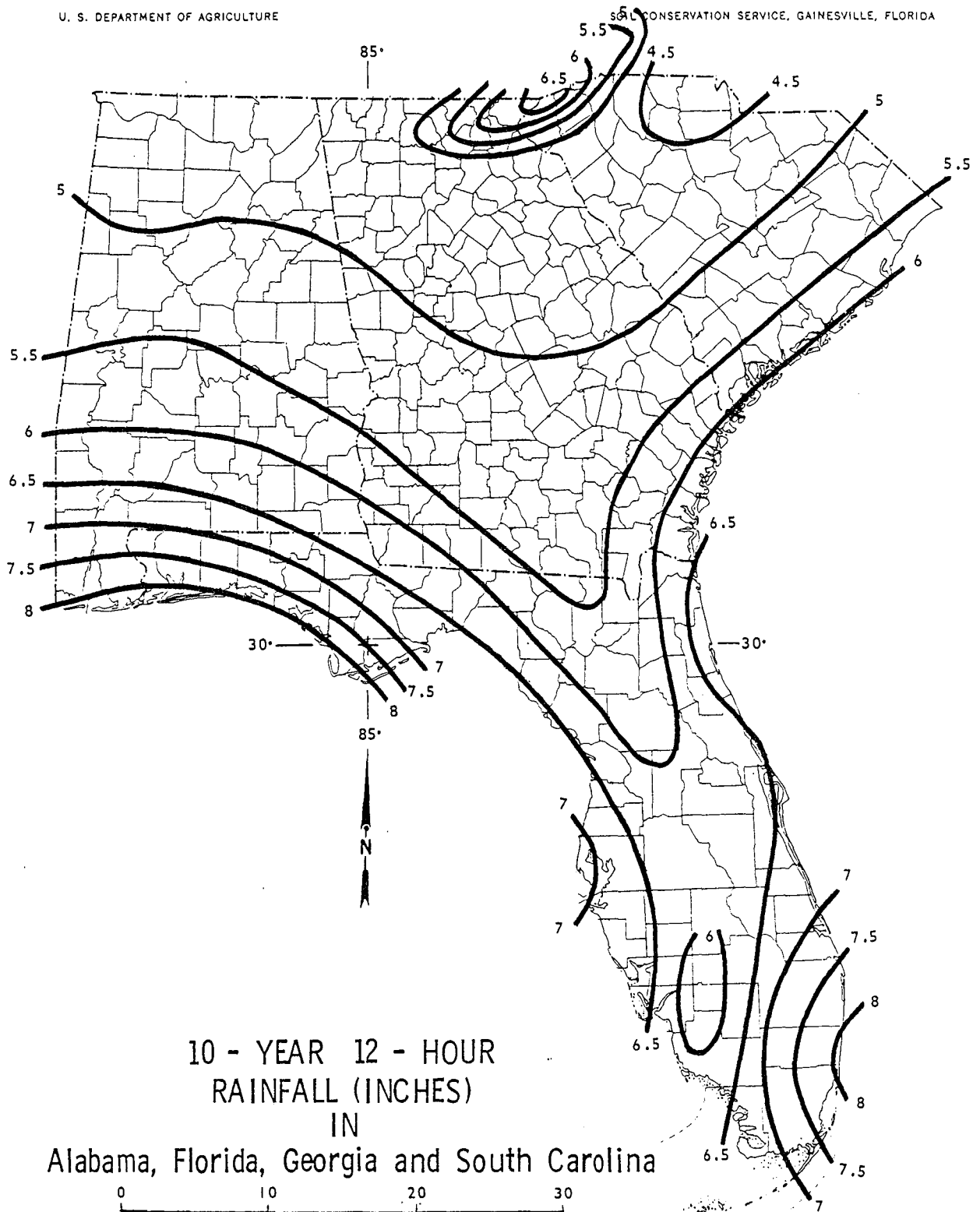
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10 - YEAR 12 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

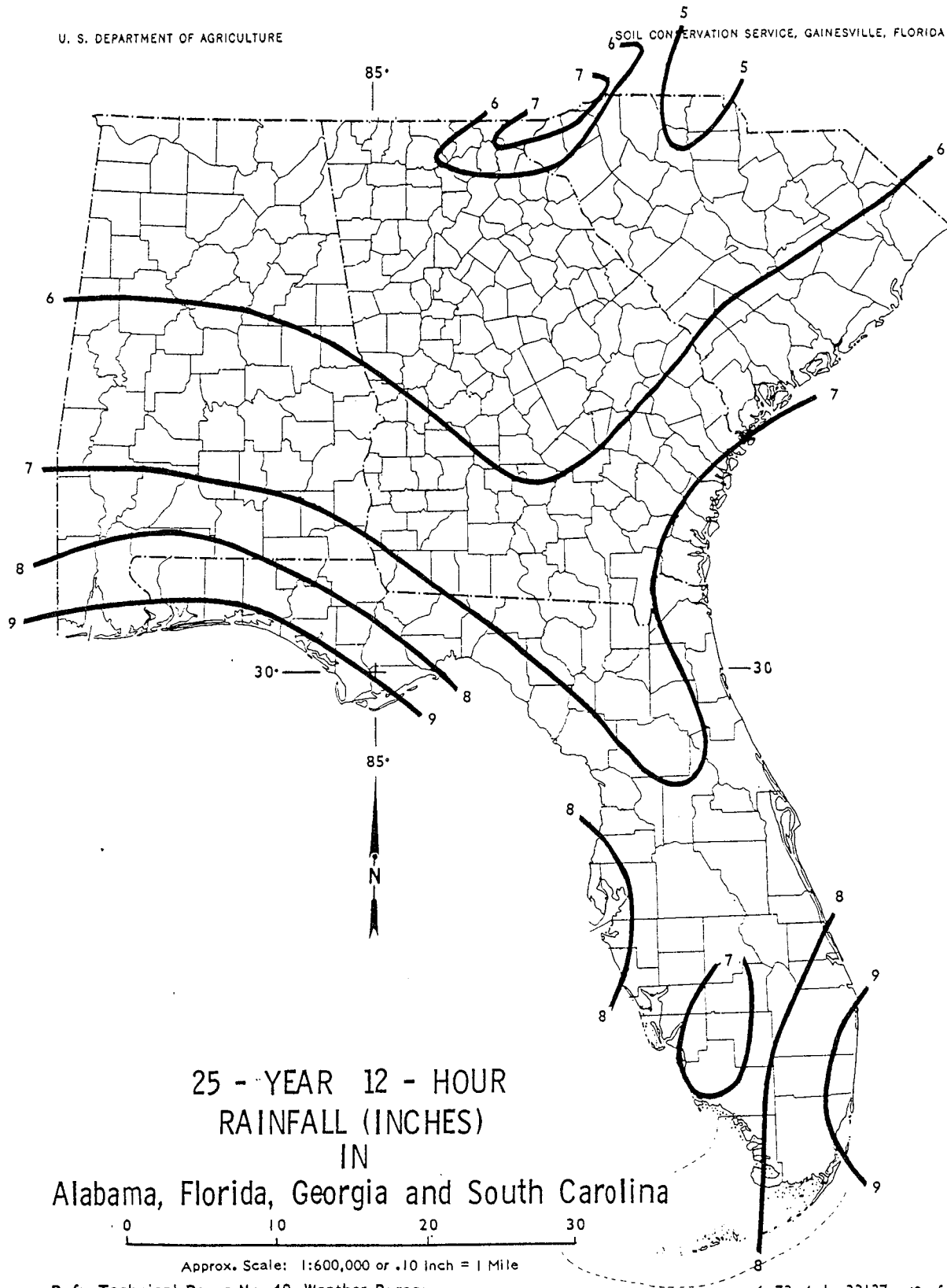
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Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

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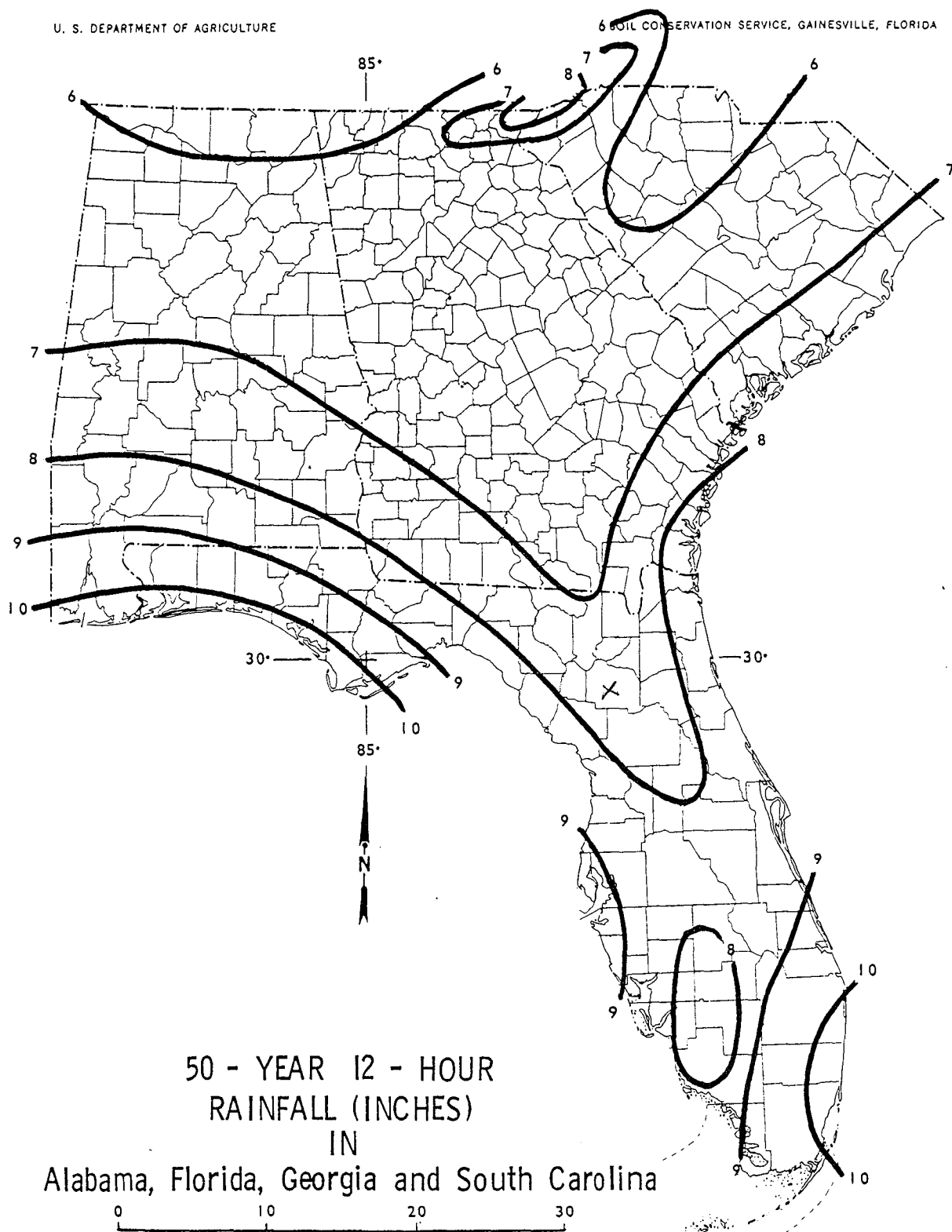
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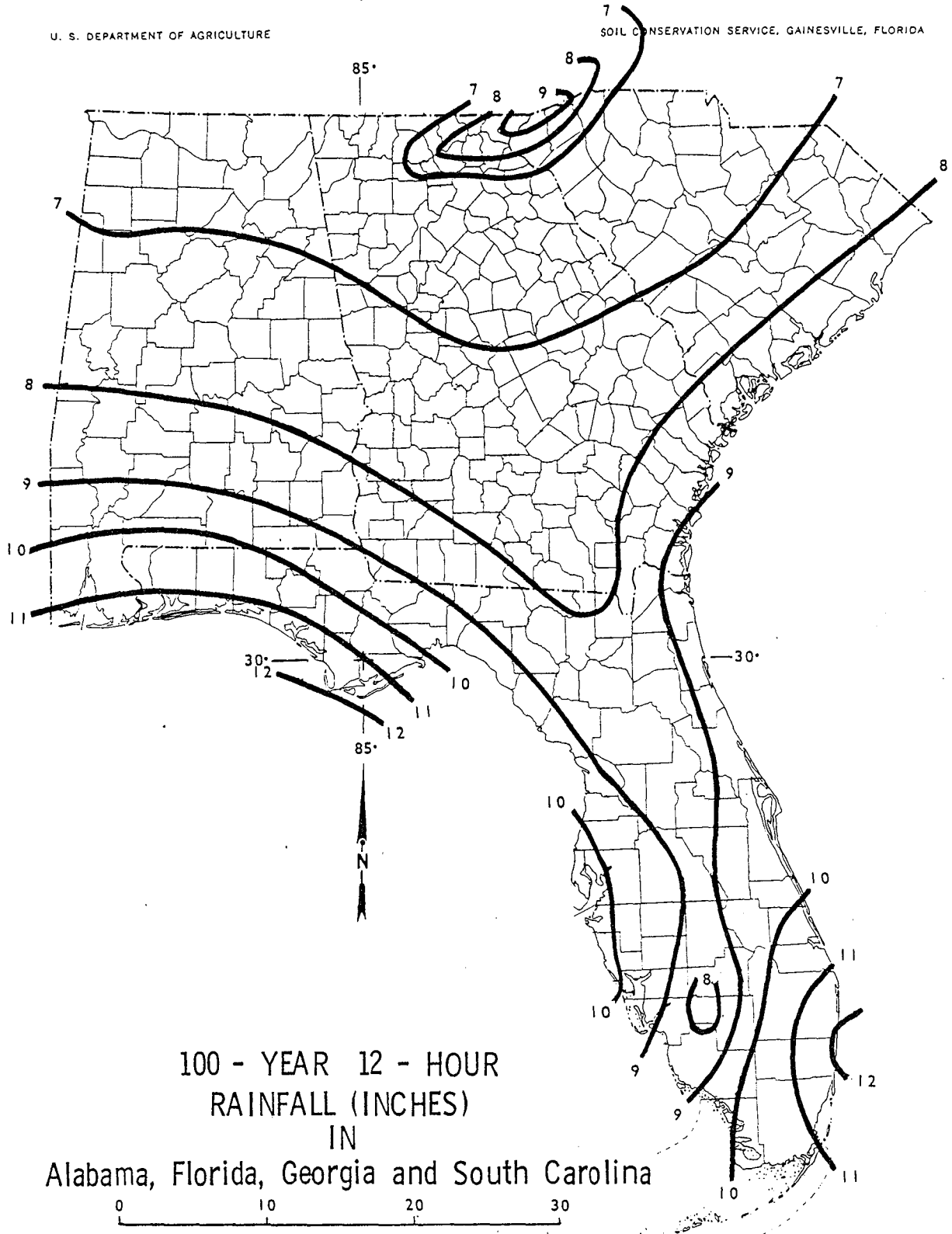
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50 - YEAR 12 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

Approx. Scale: 1:600,000 or .10 inch = 1 Mile

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USDA-SCS-FORT WORTH, TEX. 1973



100 - YEAR 12 - HOUR
RAINFALL (INCHES)
IN

Alabama, Florida, Georgia and South Carolina

0 10 20 30

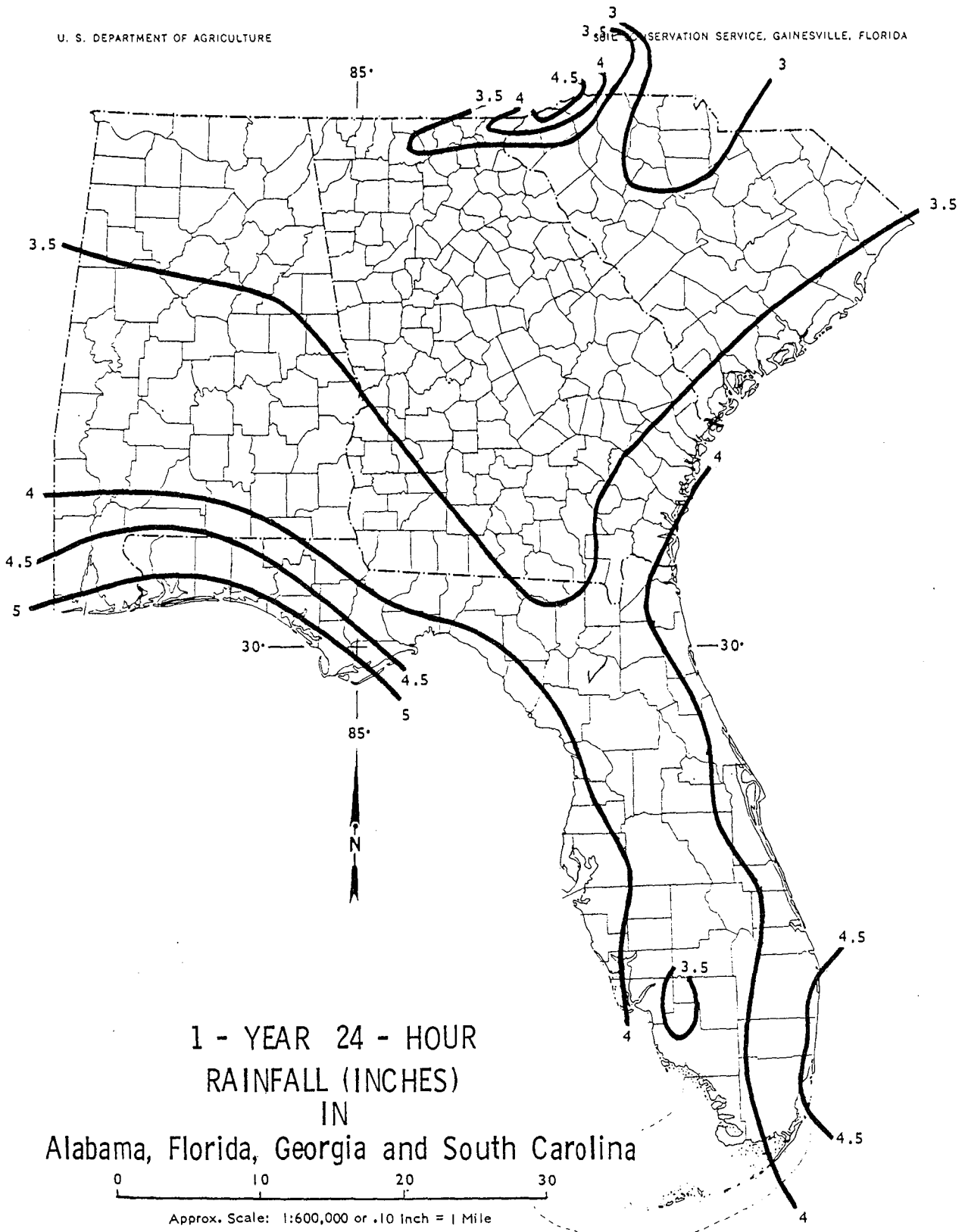
Approx. Scale: 1:600,000 or .10 inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

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U. S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE, GAINESVILLE, FLORIDA



1 - YEAR 24 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

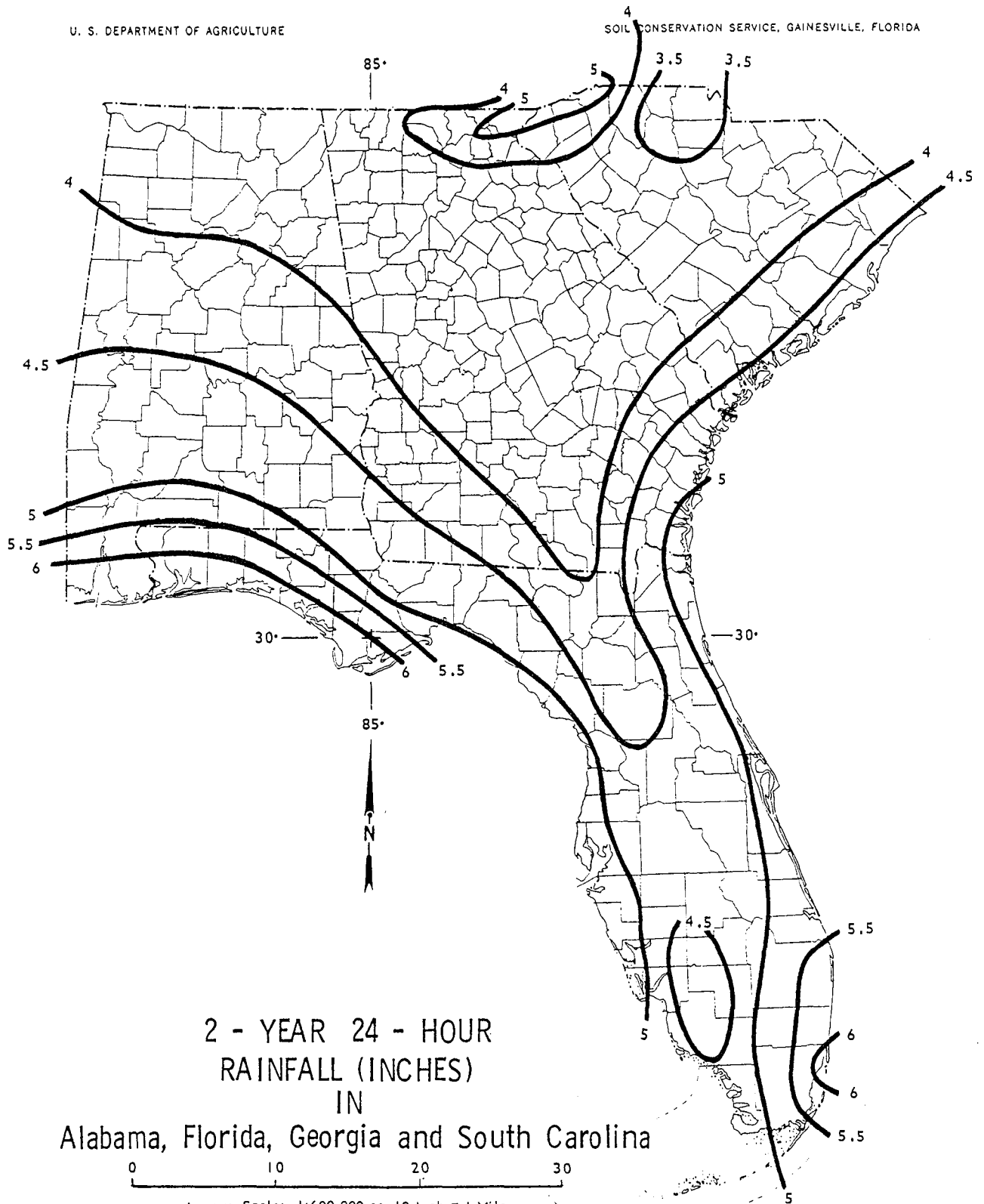
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USDA-SCS-FORT WORTH, TEX. 1973

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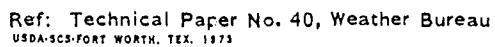
U. S. DEPARTMENT OF AGRICULTURE

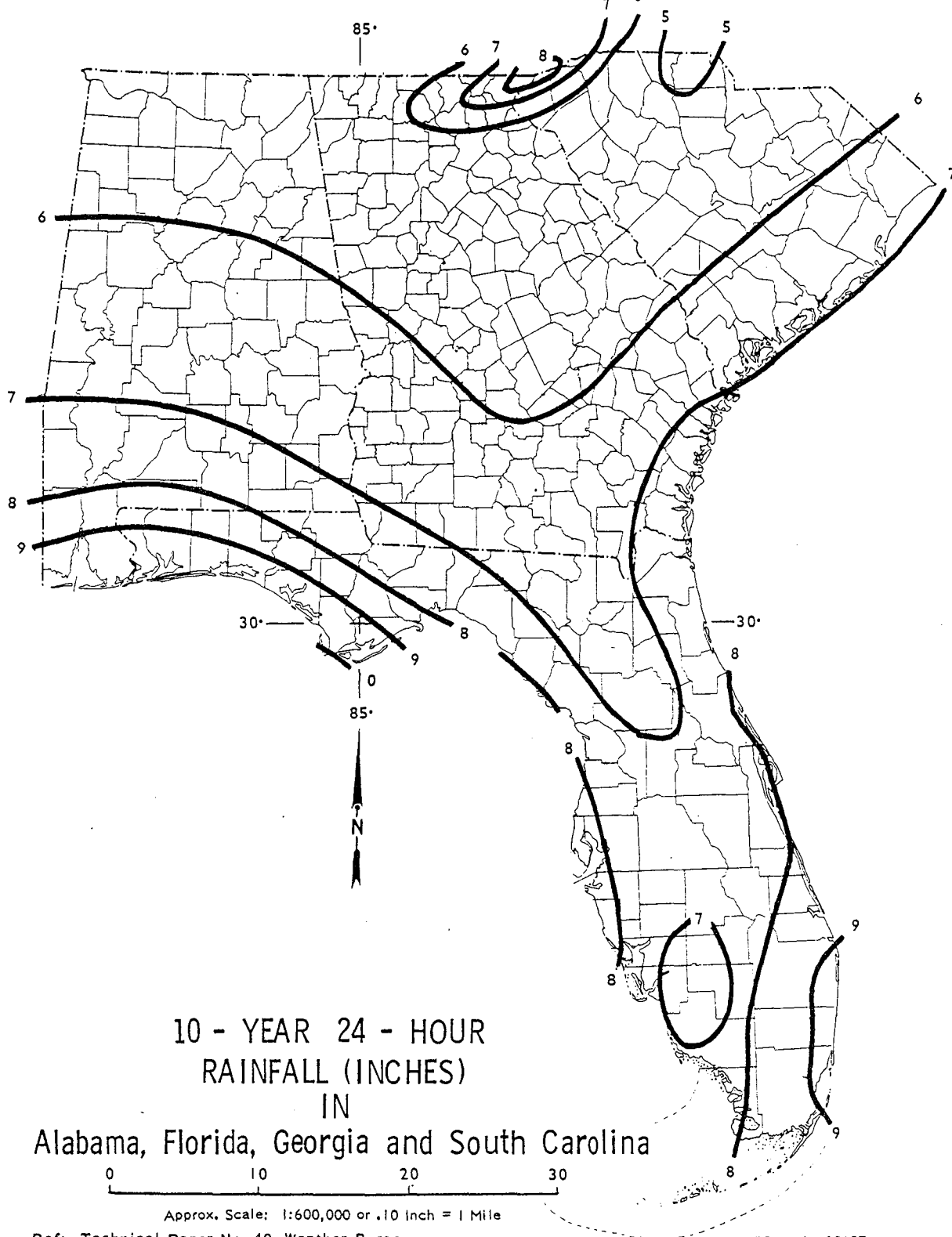
SOIL CONSERVATION SERVICE, GAINESVILLE, FLORIDA

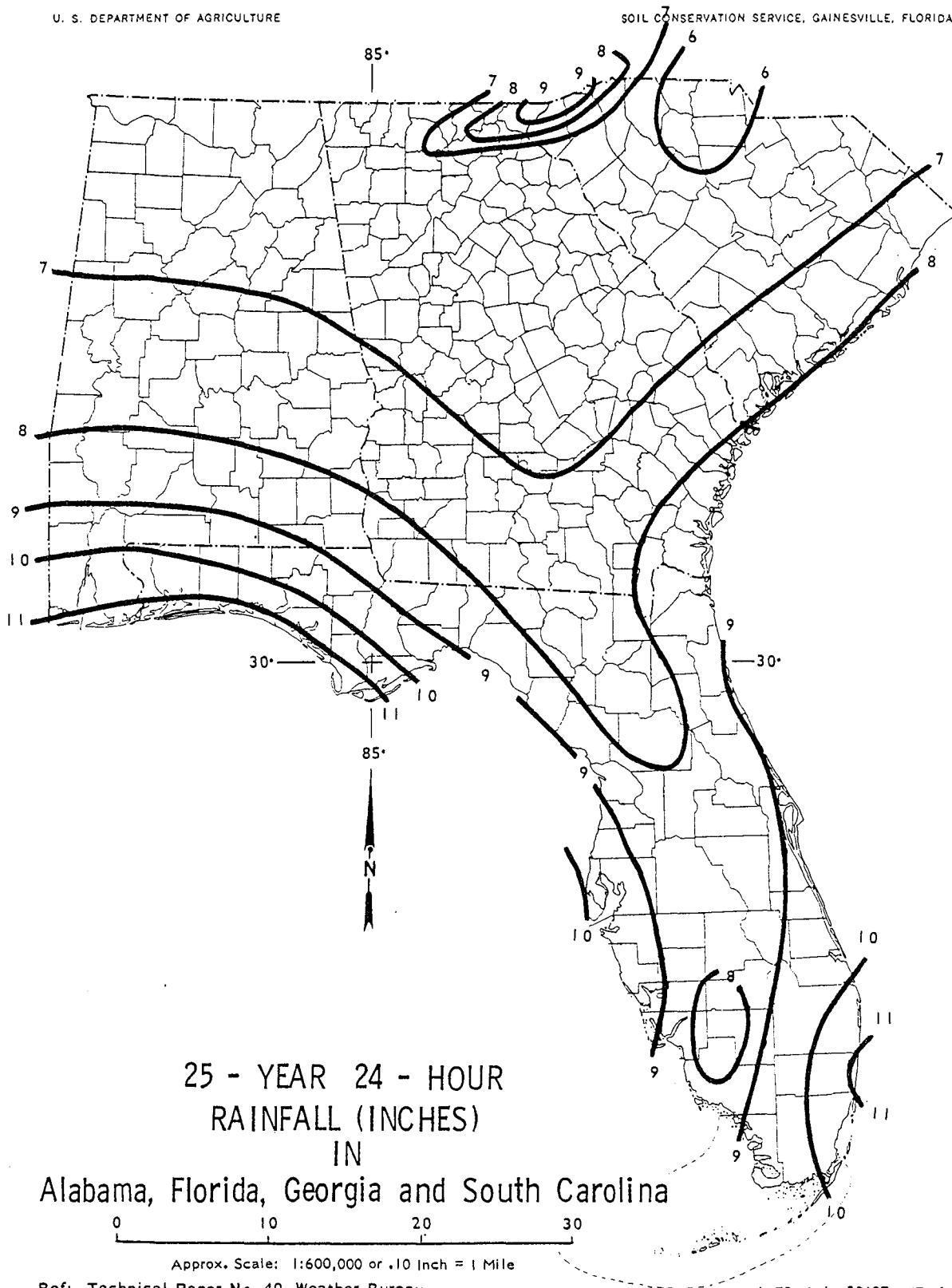


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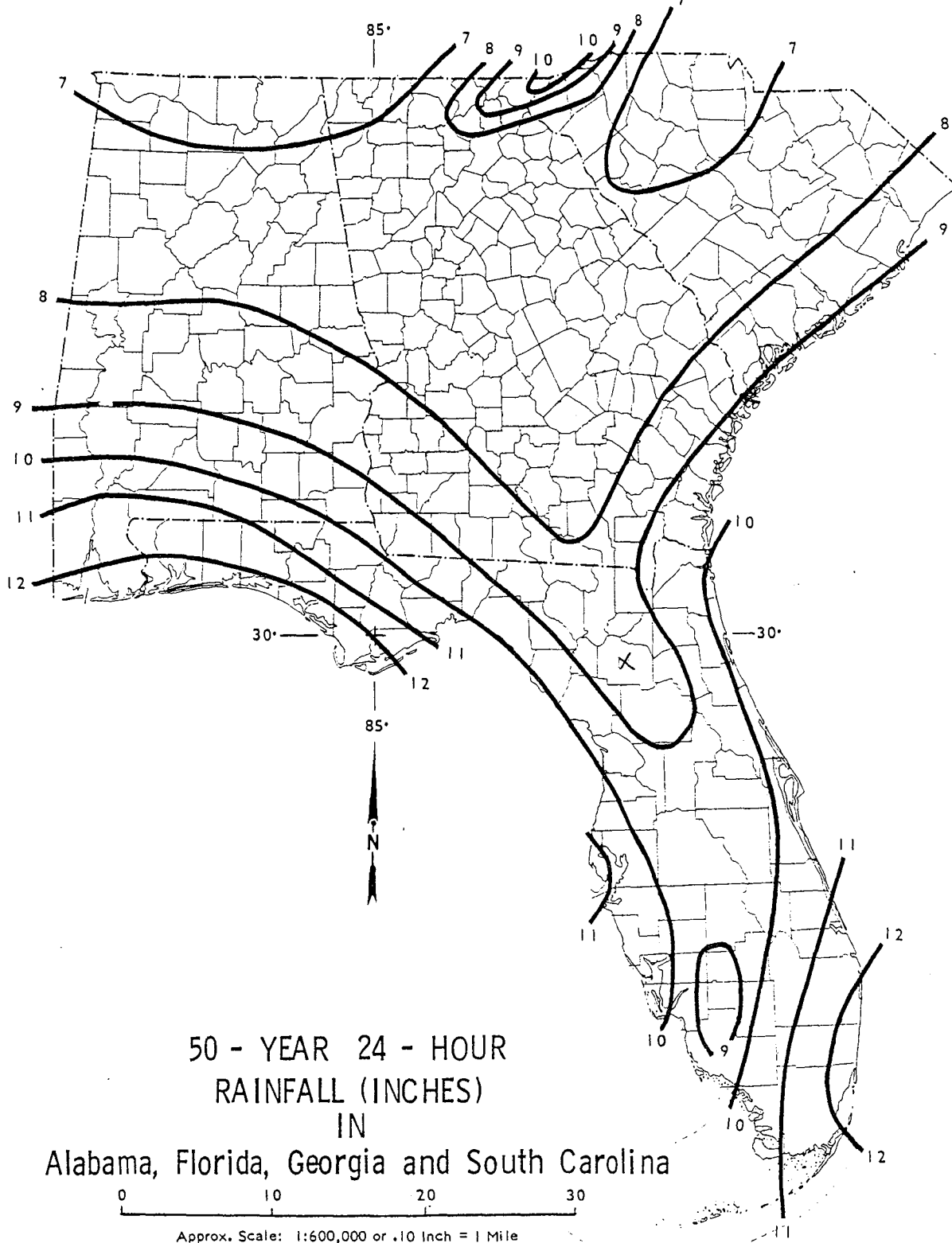
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25 - YEAR 24 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina



50 - YEAR 24 - HOUR
RAINFALL (INCHES)
IN
Alabama, Florida, Georgia and South Carolina

0 10 20 30

Approx. Scale: 1:600,000 or .10 Inch = 1 Mile

Ref: Technical Paper No. 40, Weather Bureau
USDA-SCS-FORT WORTH, TEX. 1973

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