Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

May 2013

Iowa Land Use

Source: Iowa Department of Natural Resources

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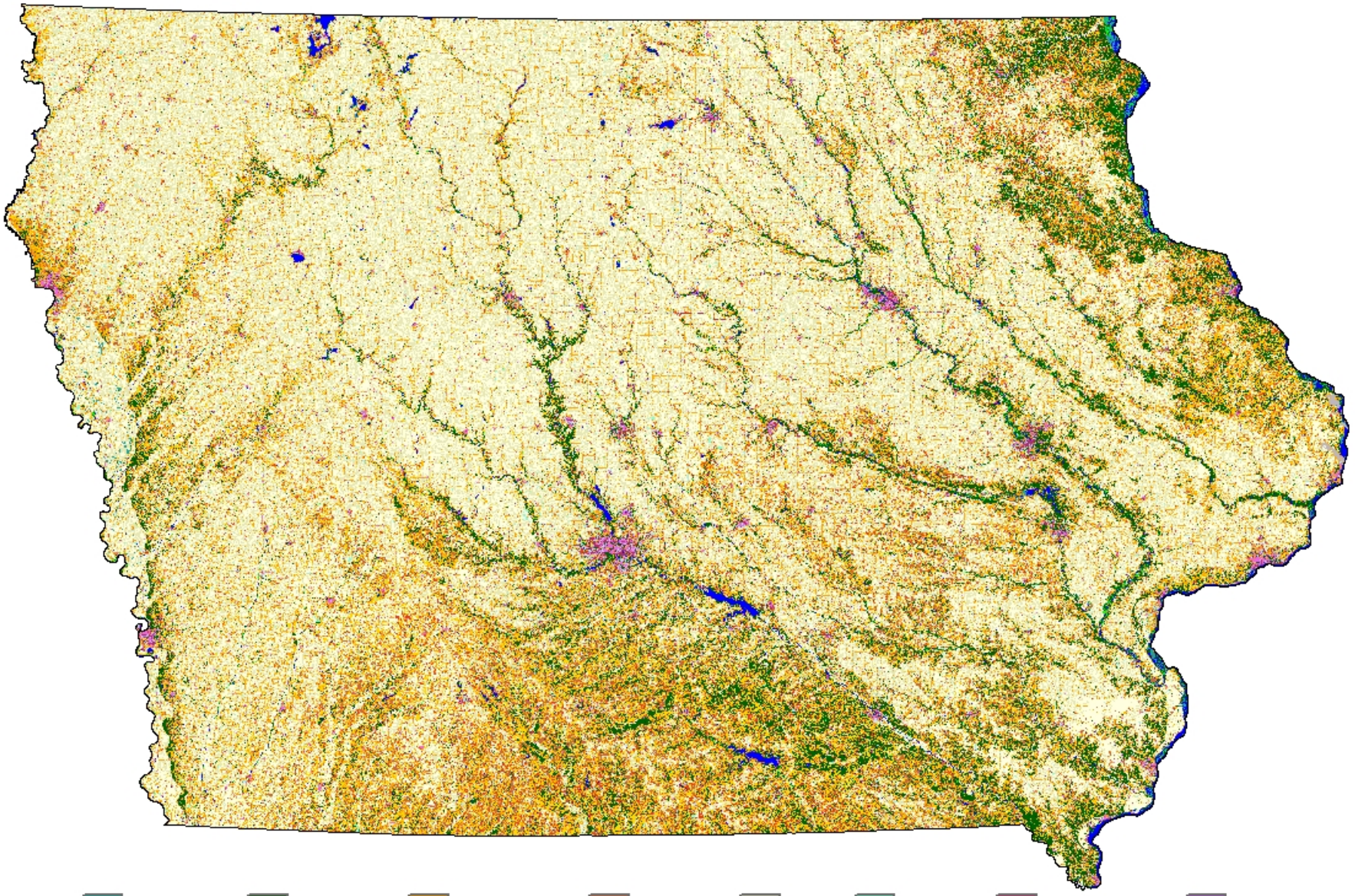

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

May 2013

Iowa Elevations

Source: Iowa Department of Natural Resources

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Projection:
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Transverse Mercator

Major Rivers and Streams of Iowa

May 2013

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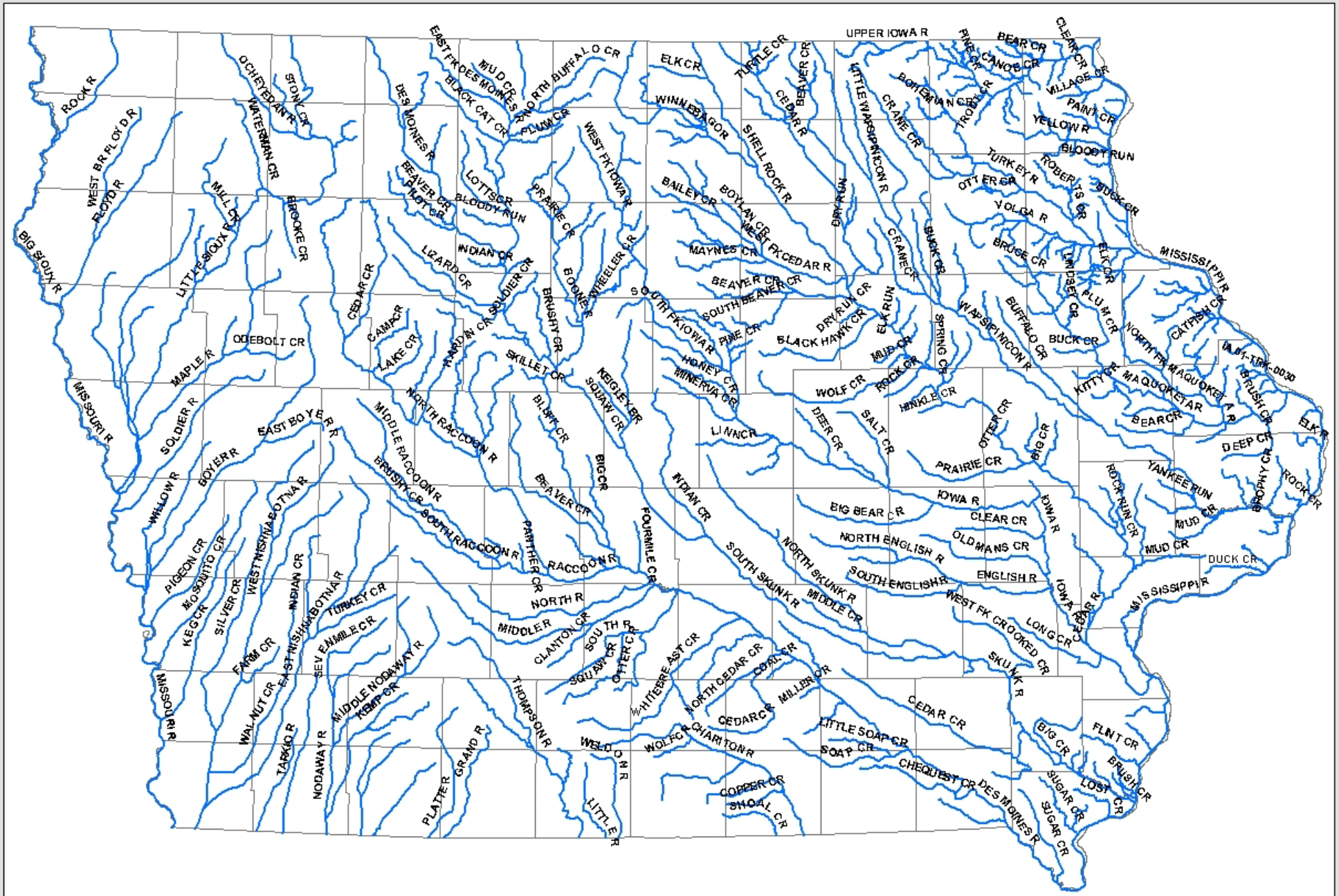

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

May 2013

Iowa Watersheds

Source: Iowa DNR

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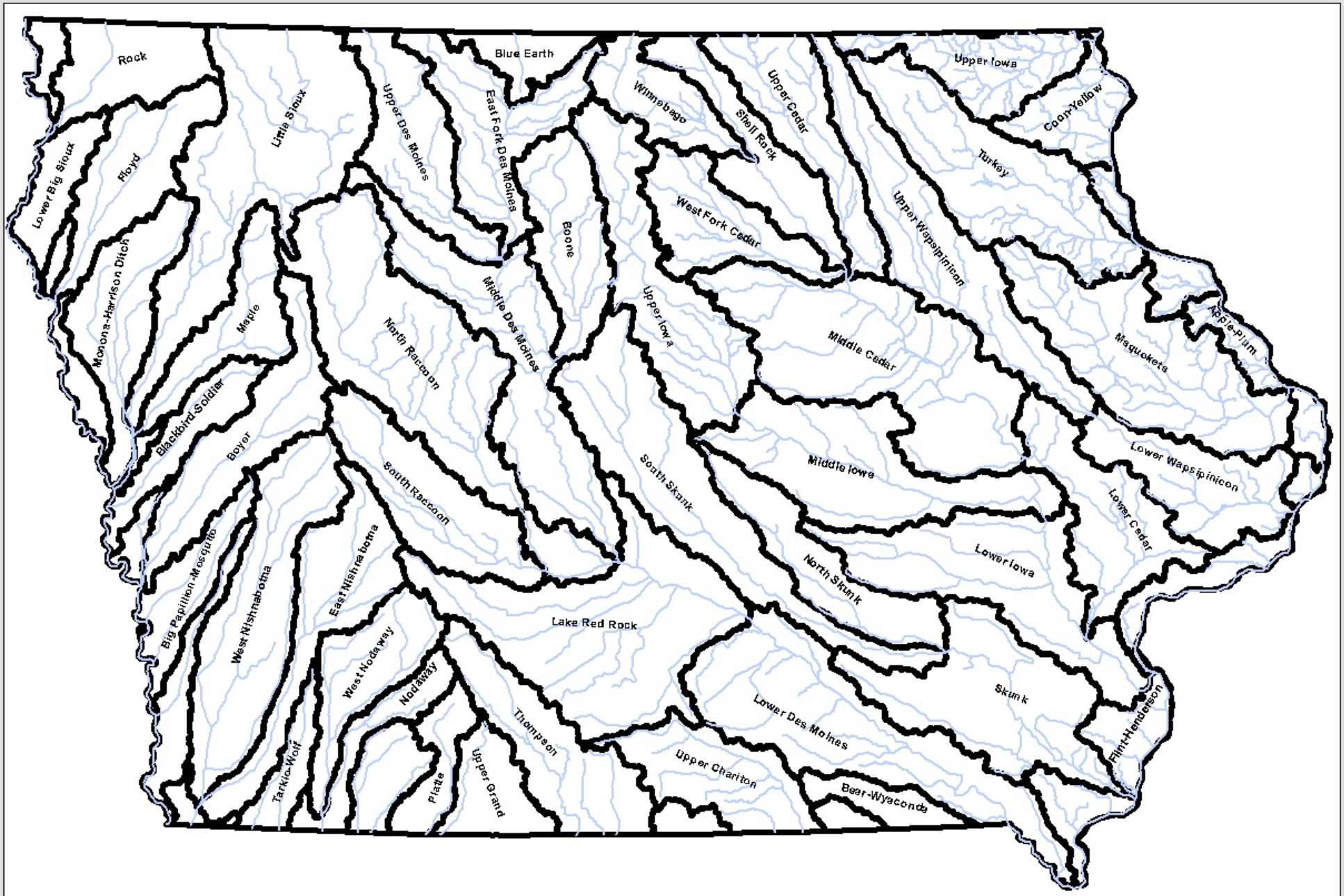

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

May 2013

County Populations (2012 Estimate)

Source: US Bureau of the Census

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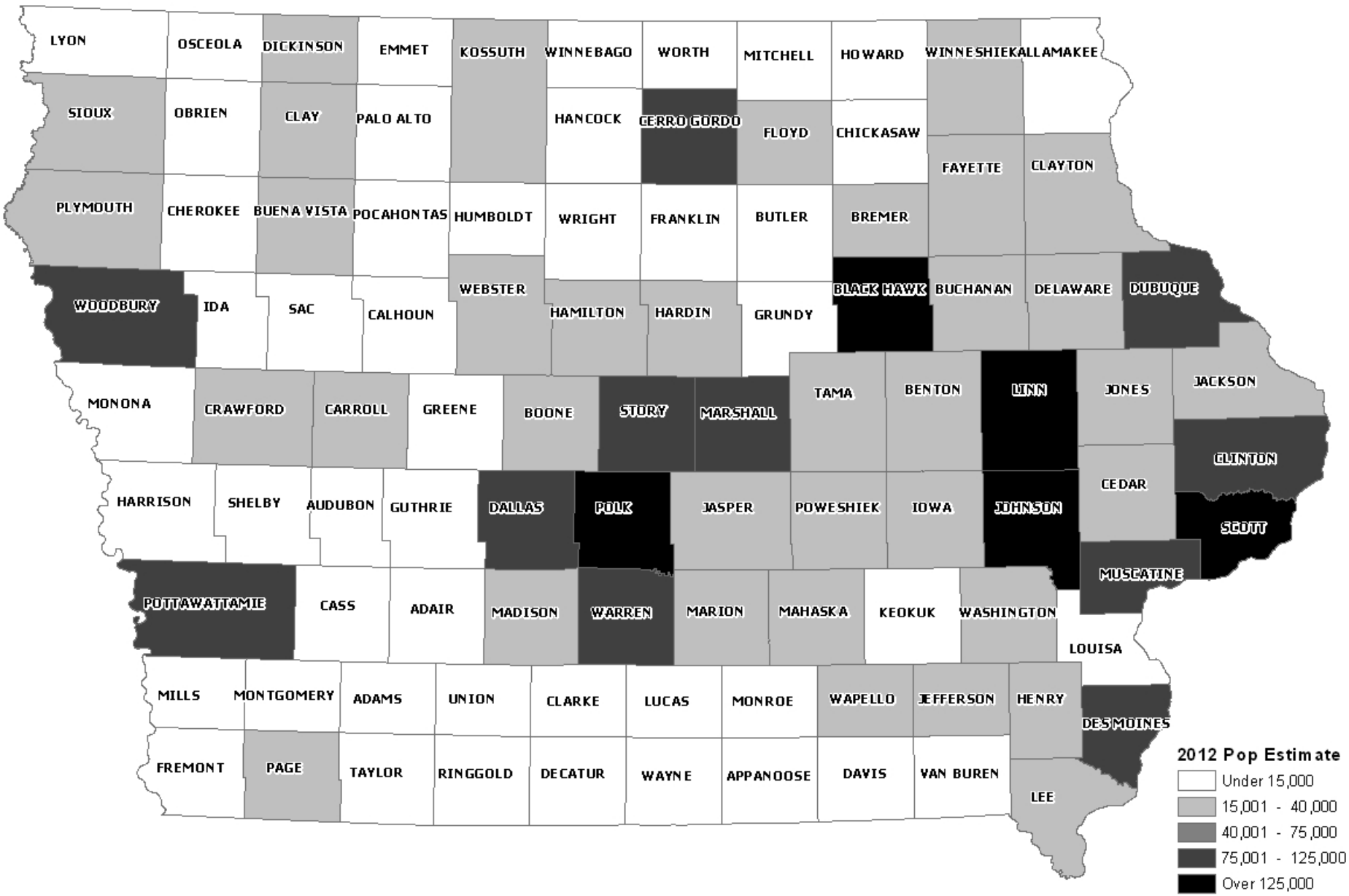

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

State and US Highways

May 2013

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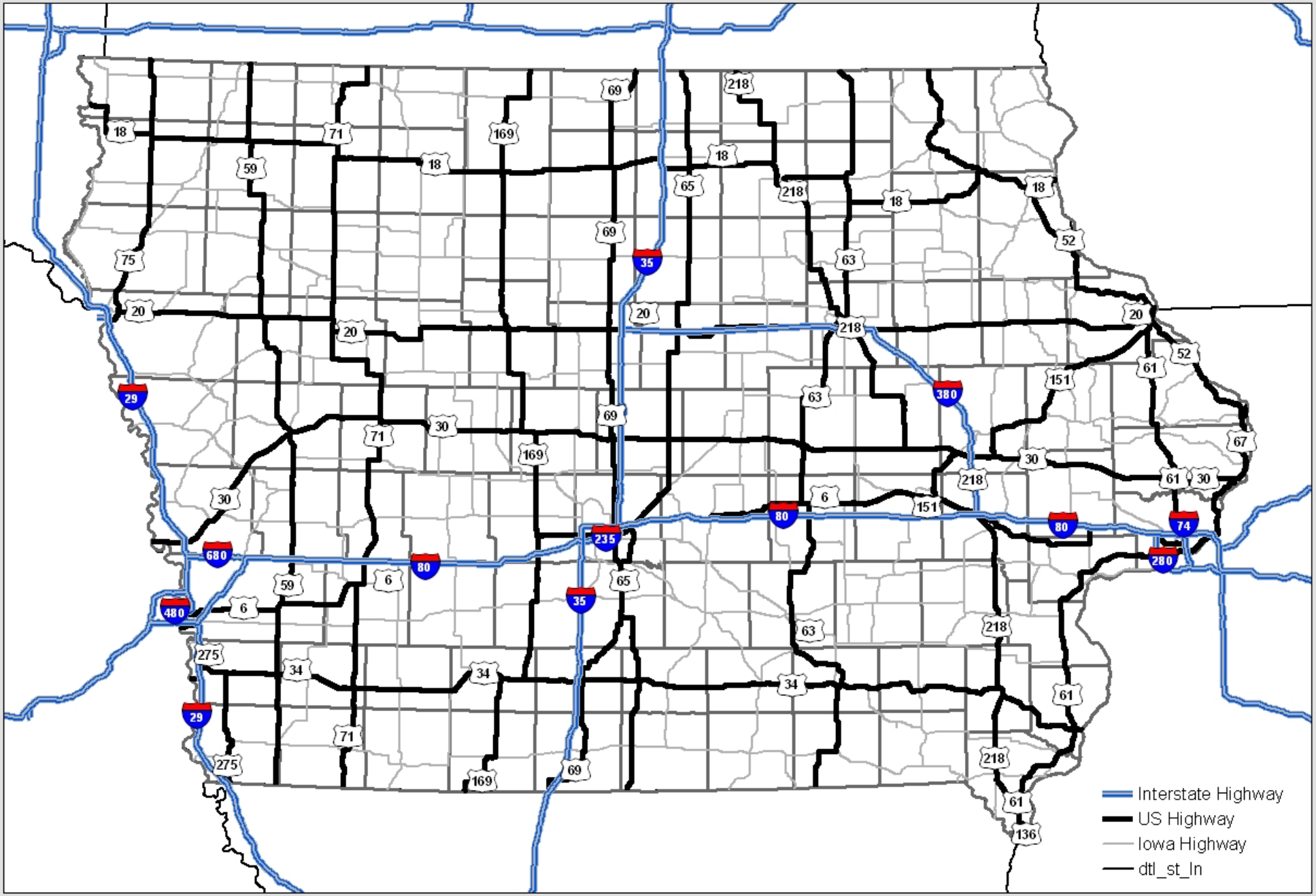

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 30 60 Miles

Active Railroads

May 2013

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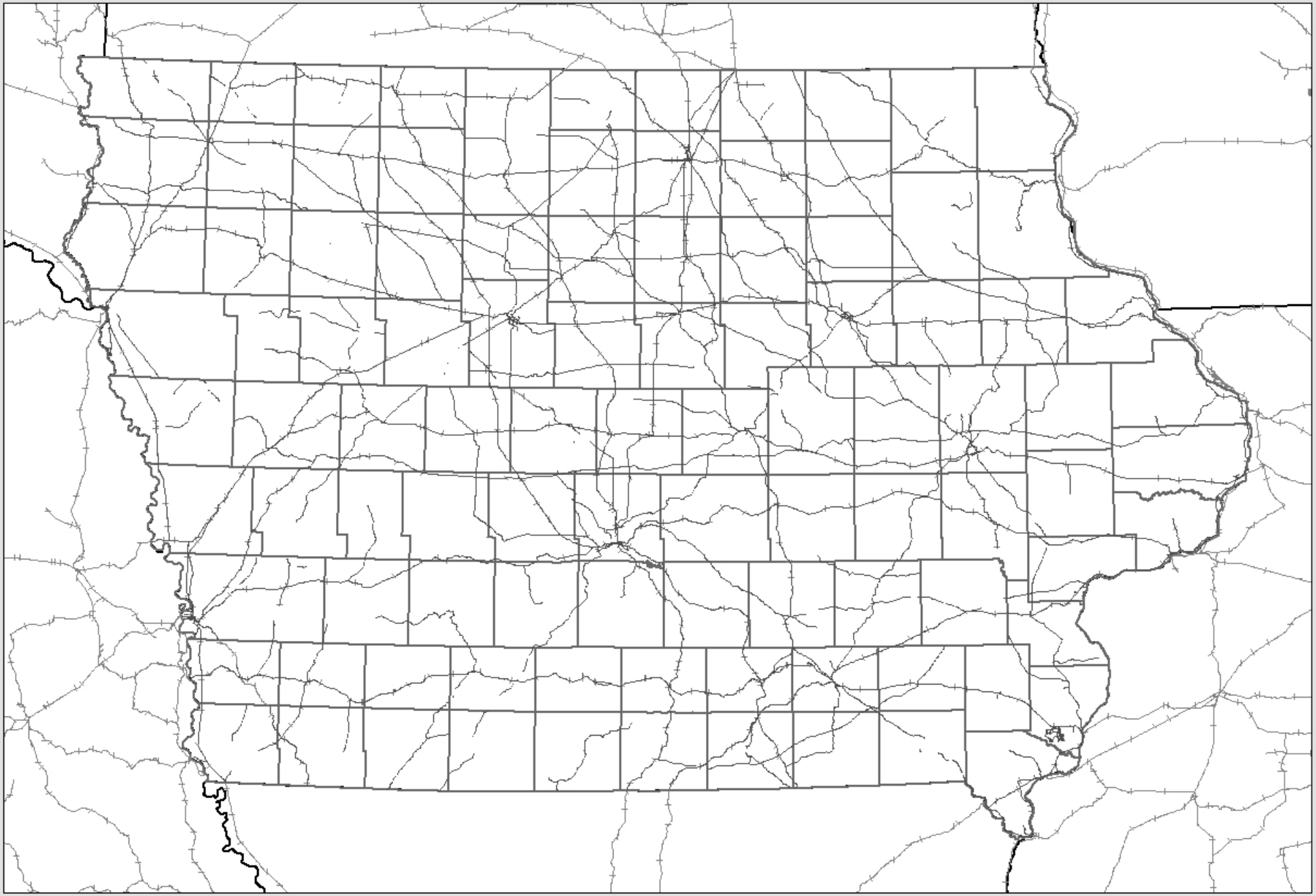

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 37.5 75 Miles

Airports

May 2013

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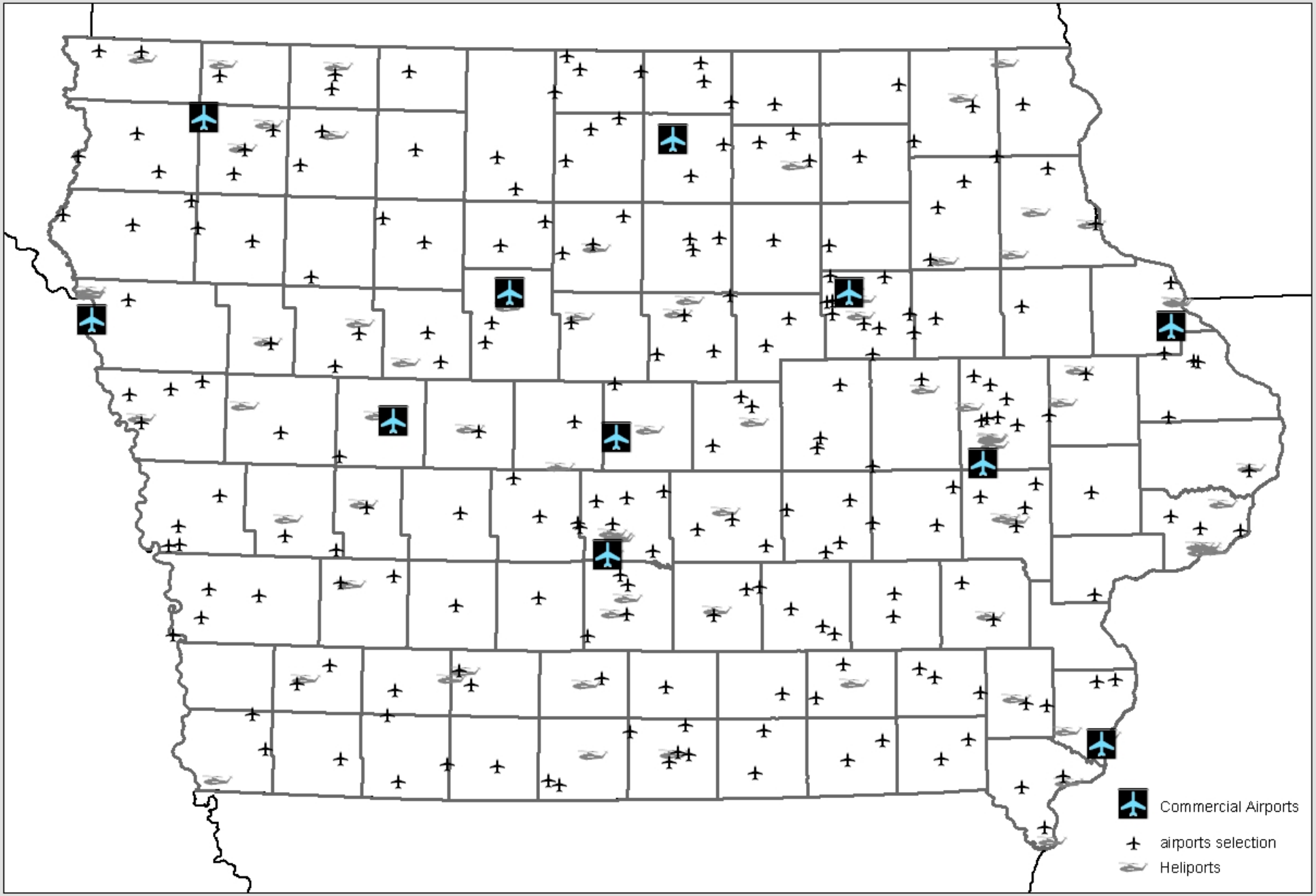

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 40 80 Miles

Electrical Generation Sites

May 2013

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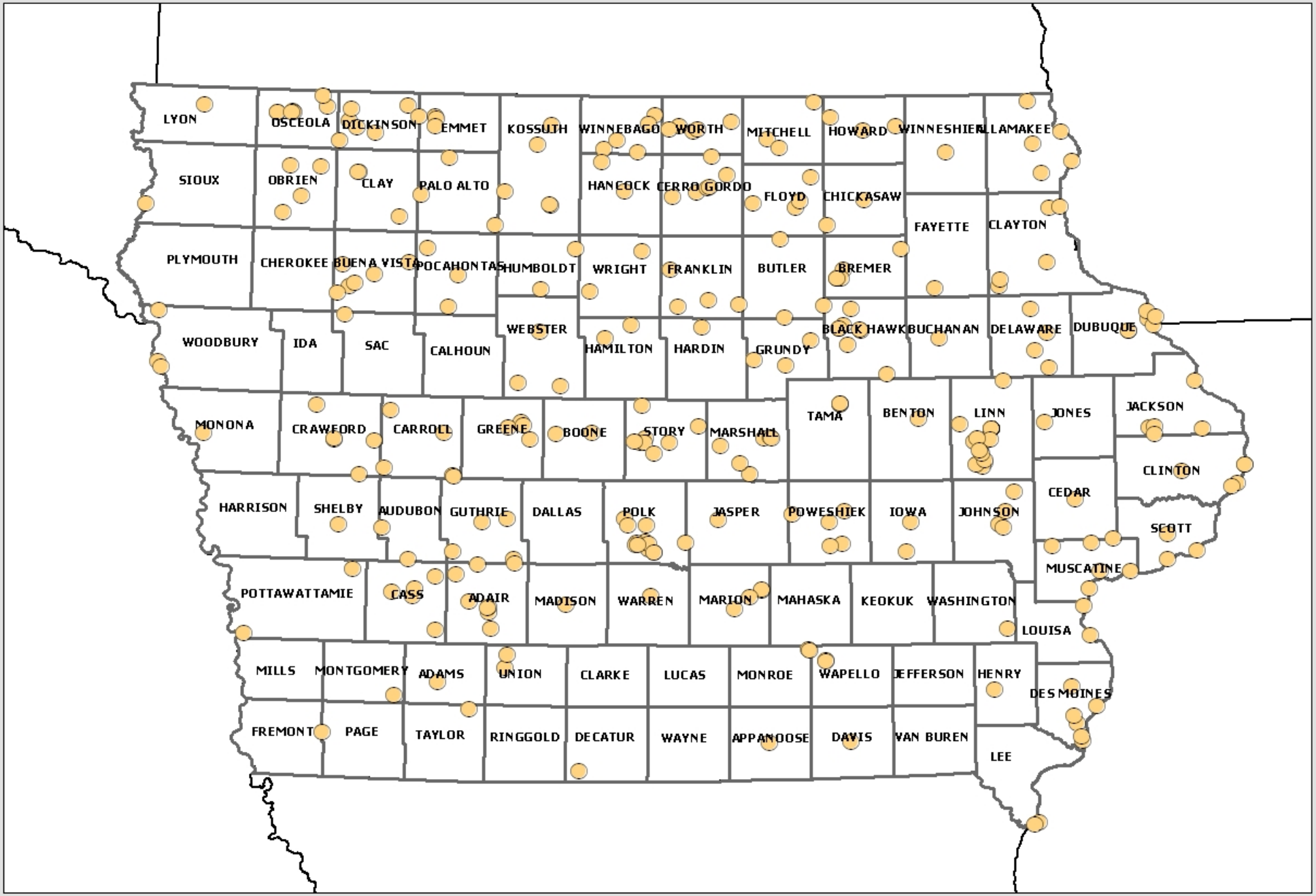

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

May 2013

Pipelines

Not all pipelines may be mapped.

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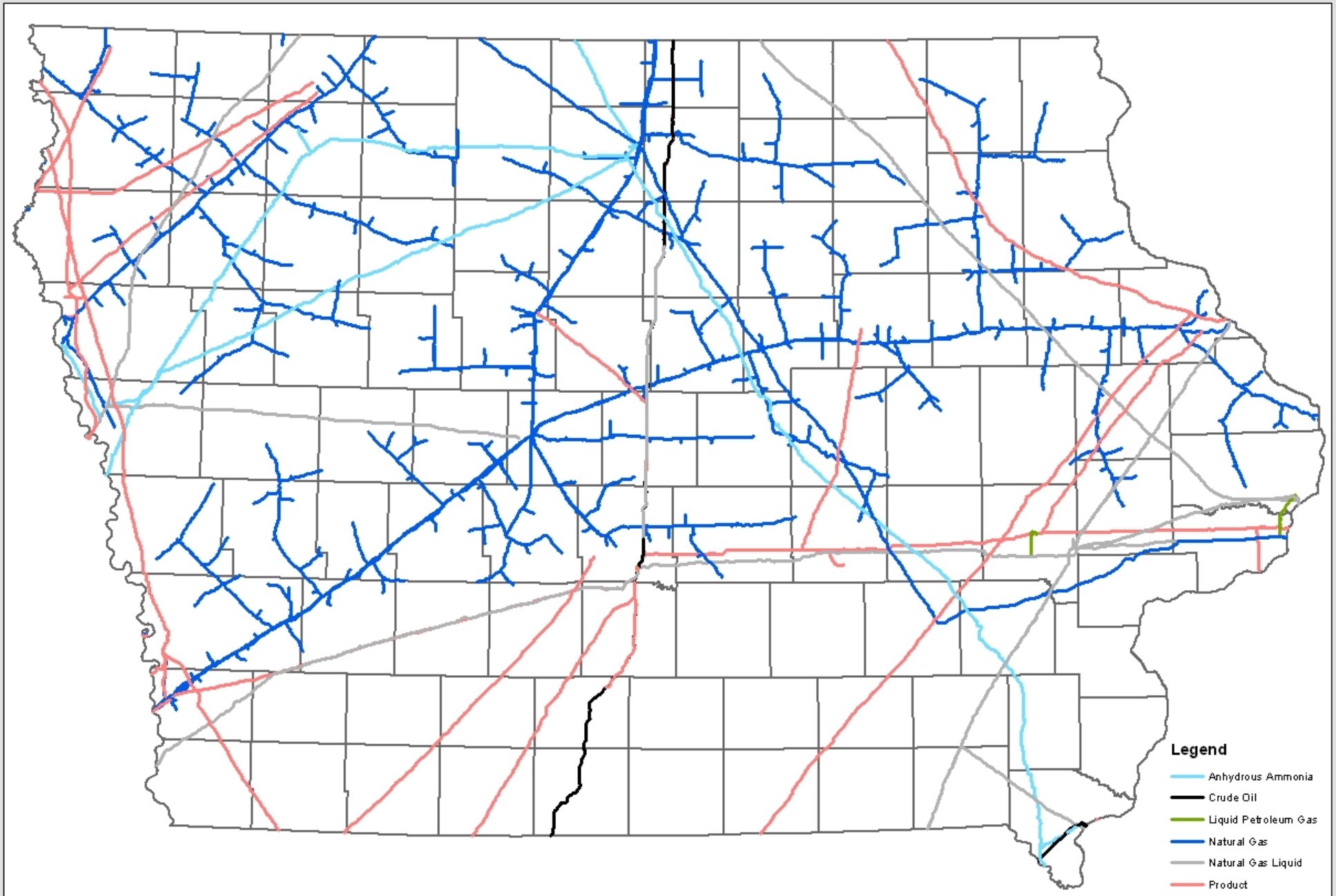

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

May 2013

Waterways, Dams and Locks

Source: Iowa DNR / USGS

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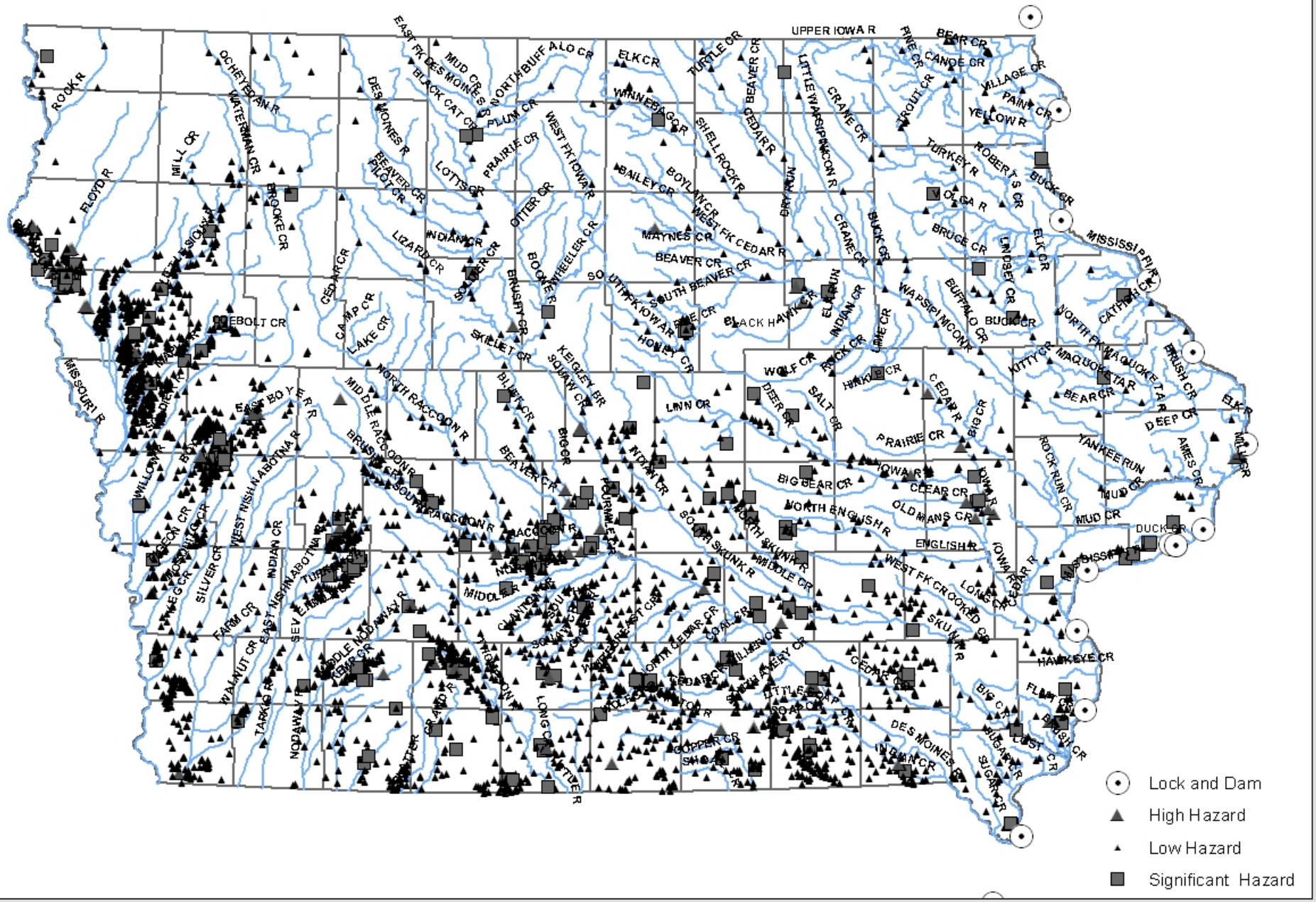

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 30 60 Miles

Iowa Fiber Optic Network

Source: Iowa Communications Network (ICN)

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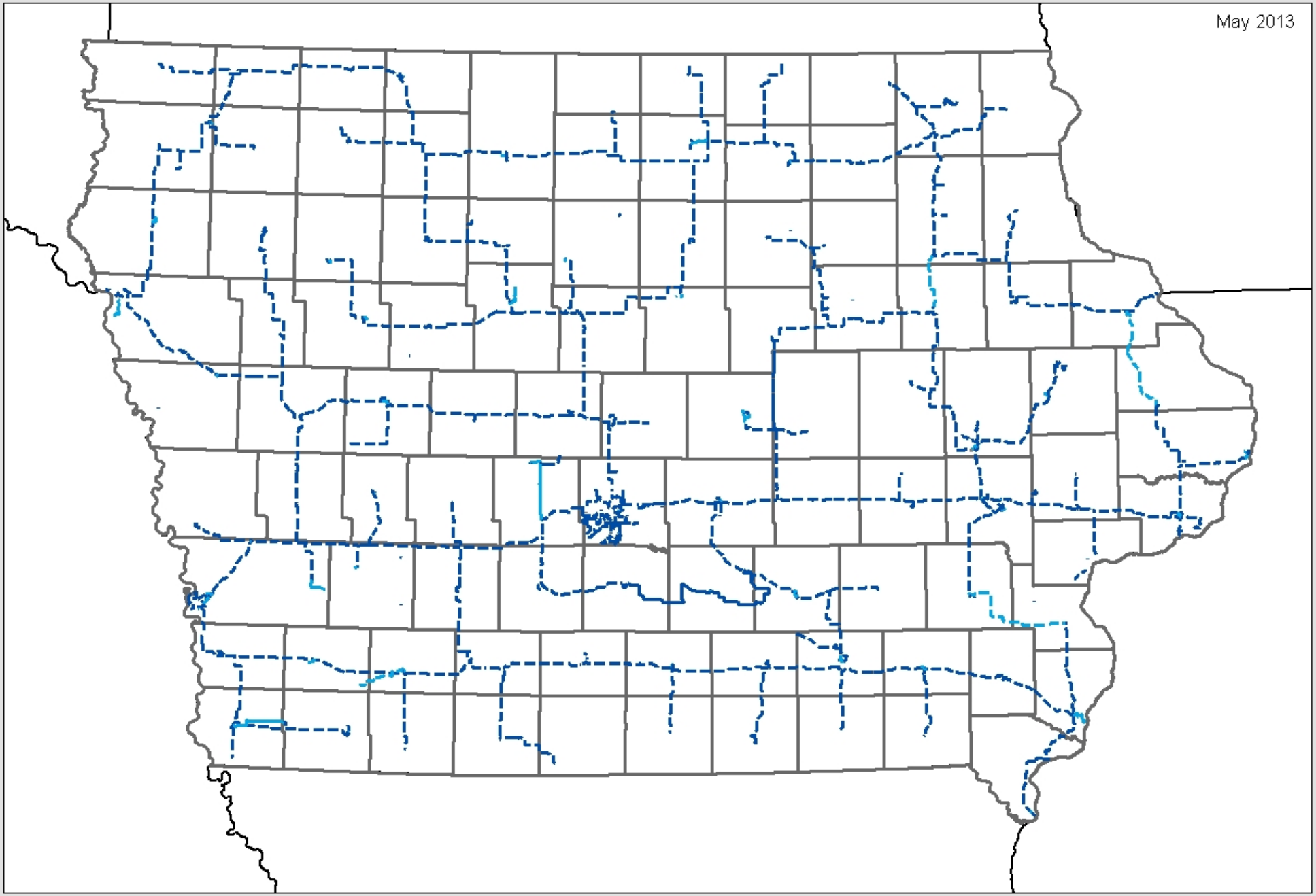
May 2013



Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 30 60 Miles

Hospitals

Source: Iowa Dept of Public Health

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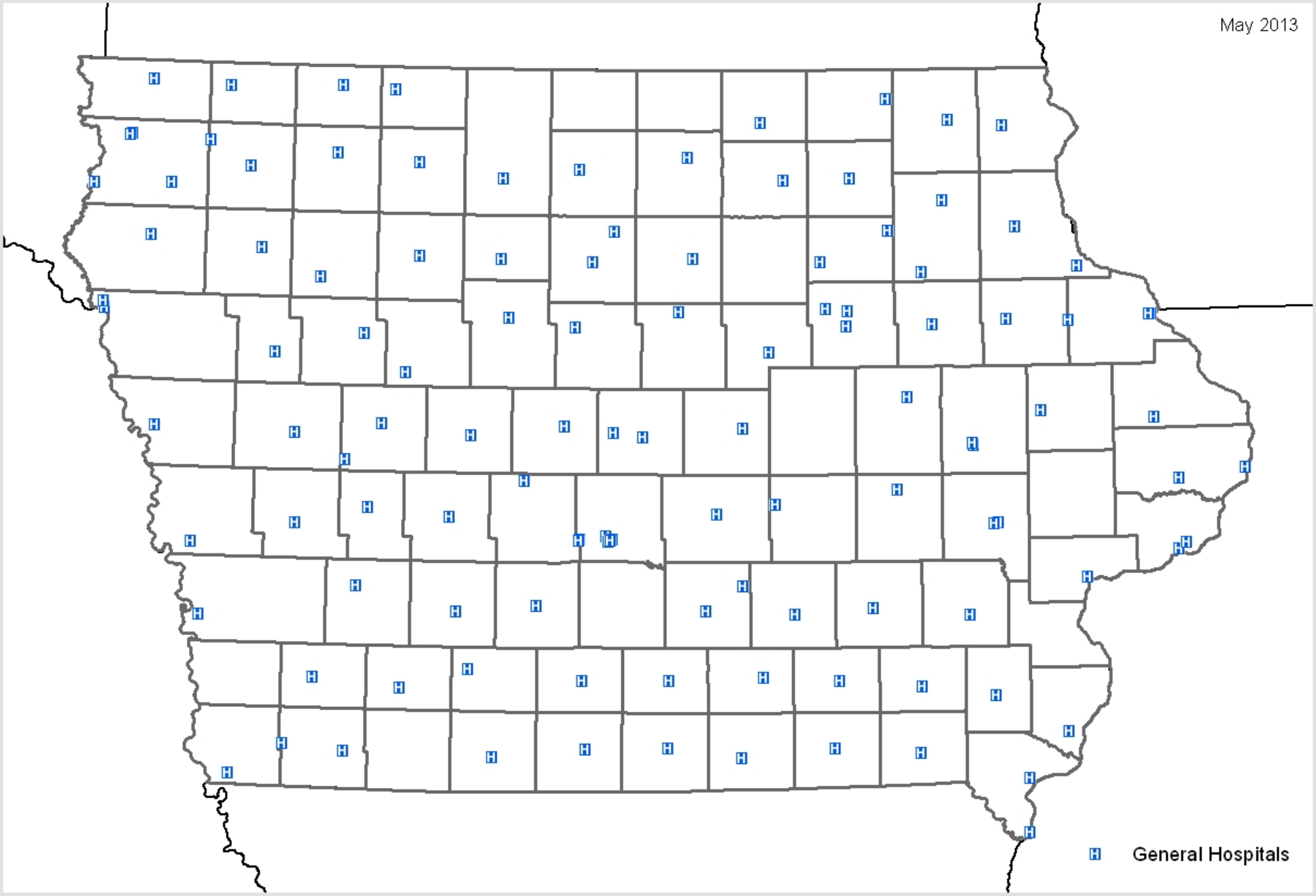

Iowa Nonfarm Unemployment Rates

Source: Iowa Workforce Development

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 30 60 Miles

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May 2013

Lyon
Osceola
Dickinson
Emmet
Kossuth
Winnebago
Worth
Mitchell
Howard
Winneshiek
Allamakee
Sioux
Obrien
Clay
Palo Alto
Hancock
Cerro Gordo
Floyd
Chickasaw
Fayette
Clayton
Plymouth
Cherokee
Buena Vista
Pocahontas
Humboldt
Wright
Franklin
Butler
Bremer
Woodbury
Ida
Sac
Calhoun
Webster
Hamilton
Hardin
Grundy
Black Hawk
Buchanan
Delaware
Dubuque
Monona
Crawford
Carroll
Greene
Boone
Story
Marshall
Tama
Benton
Linn
Jones
Jackson
Clinton
Harrison
Shelby
Audubon
Guthrie
Dallas
Polk
Jasper
Poweshiek
Iowa
Johnson
Cedar
Scott
Muscatine
Pottawattamie
Cass
Adair
Madison
Warren
Marion
Mahaska
Keokuk
Washington
Louisa
Mills
Montgomery
Adams
Union
Clarke
Lucas
Monroe
Wapello
Jefferson
Henry
Des Moines
Fremont
Page
Taylor
Ringgold
Decatur
Wayne
Appanoose
Davis
Van Buren
Lee

County Unemployment Rates (%)

3.1 - 4.1 | 4.2 - 4.9 | 5.0 - 5.8 | 5.9 - 6.9 | 7.0 - 8.2

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

Presidential Declarations (2004 - 2013)

Source: FEMA

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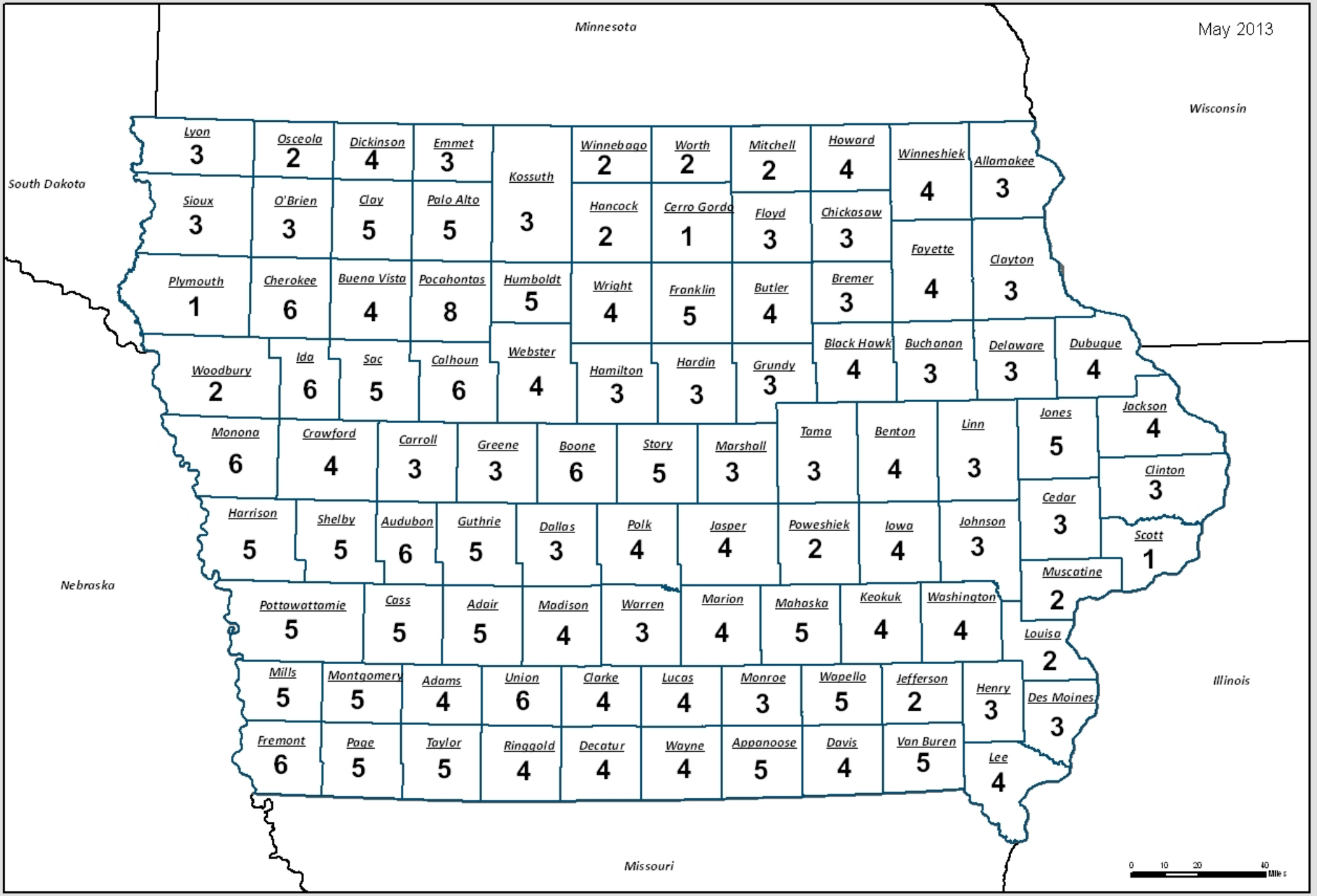

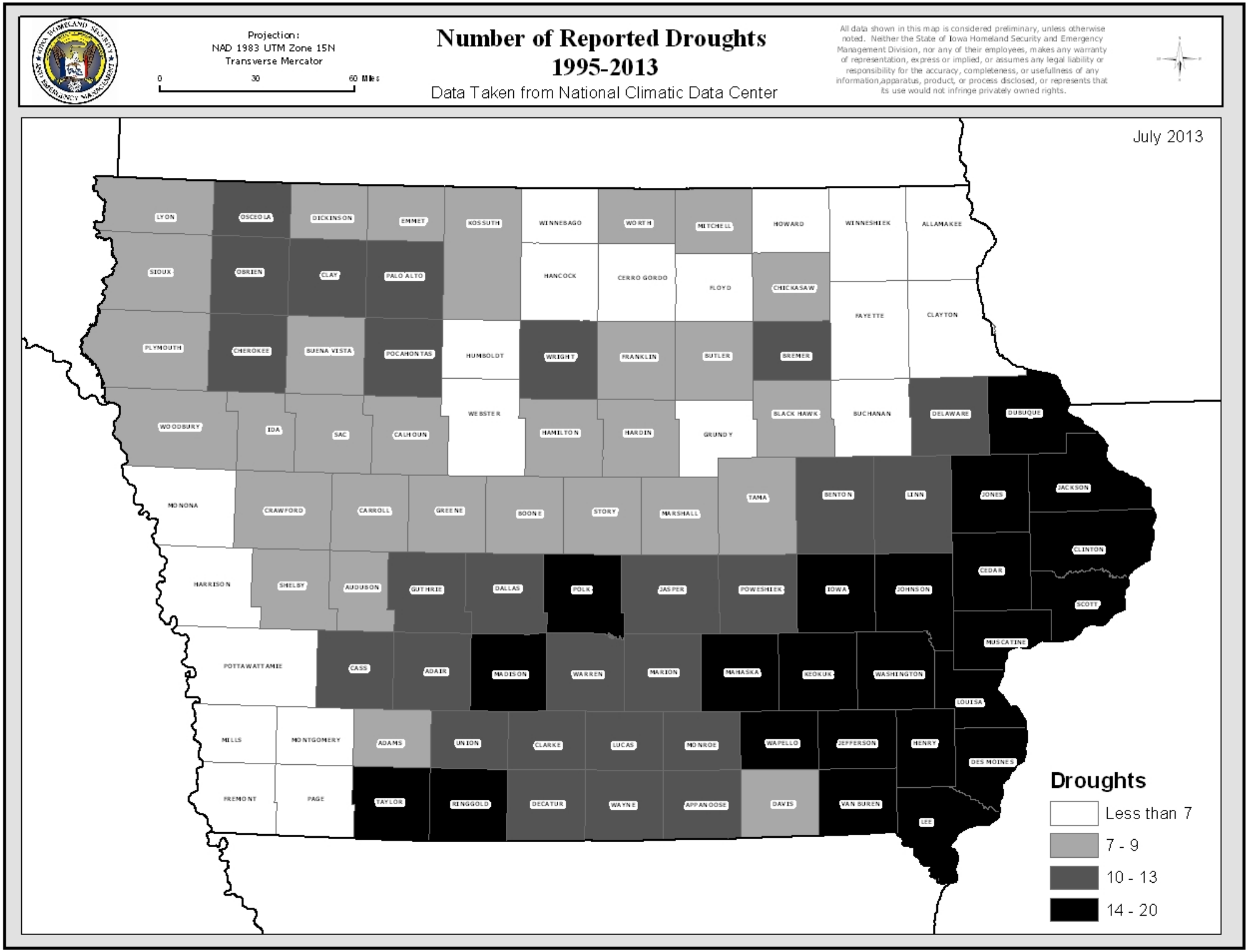
Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator
0
30
60 Miles
Number of Reported Droughts
1995-2013
Data Taken from National Climatic Data Center
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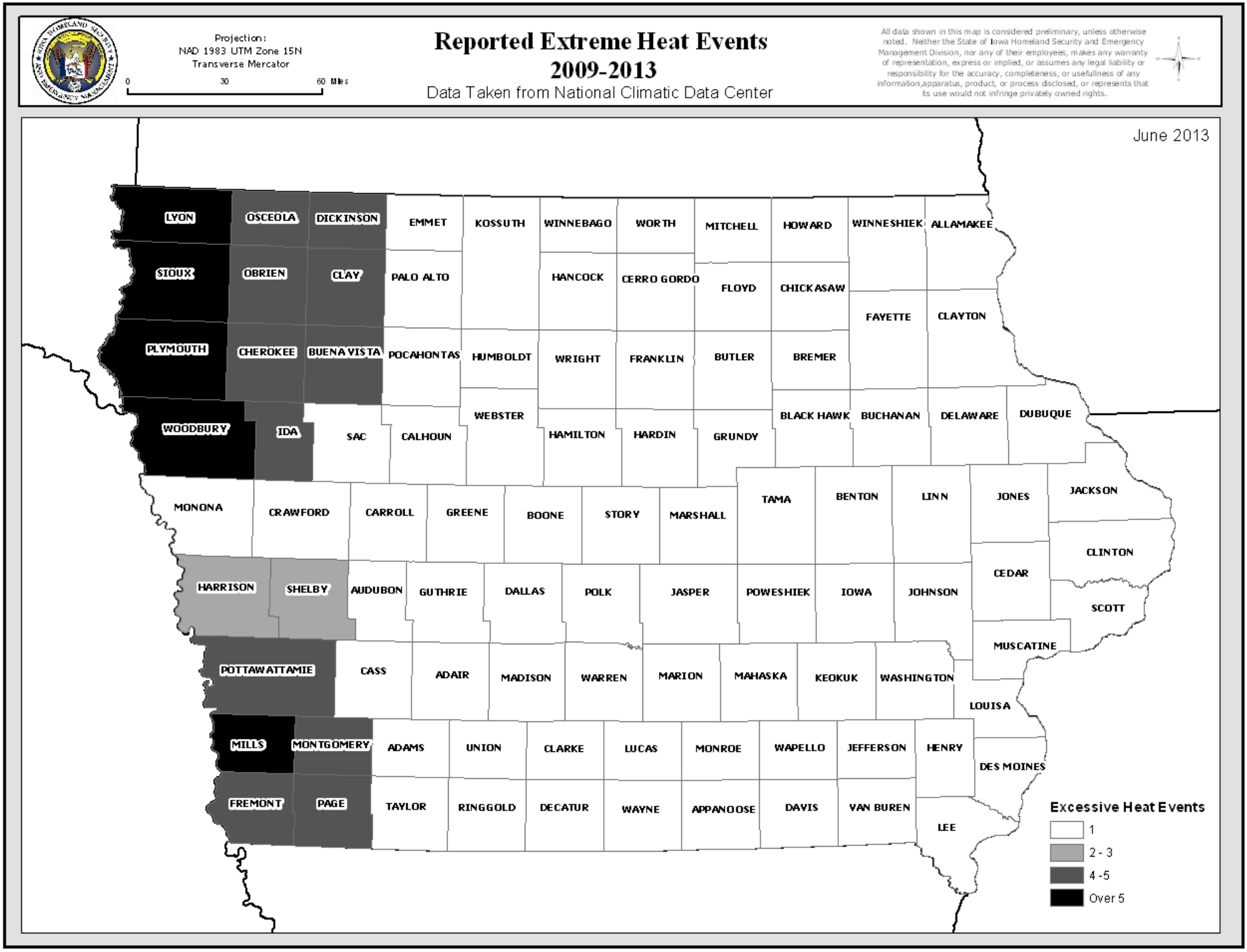
July 2013
LYON
OSCEOLA
DICKINSON
EMMET
KOSSUTH
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
SIOUX
OBRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
FAYETTE
CLAYTON
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
WOODBURY
IDA
SAC
CALHOUN
WEBSTER
HAMILTON
HARDIN
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
BENTON
LINN
JONES
JACKSON
HARRISON
SHELBY
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
CEDAR
CLINTON
SCOTT
POTTAWATTAMIE
CASS
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
MUSCATINE
LOUISA
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
DES MOINES
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
LEE
Droughts
Less than 7
7 - 9
10 - 13
14 - 20


Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator
0
30
60 Miles
Reported Extreme Heat Events
2009-2013
Data Taken from National Climatic Data Center
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June 2013
LYON
OSCEOLA
DICKINSON
EMMET
KOSSUTH
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
SIOUX
OBRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
FAYETTE
CLAYTON
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
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HARDIN
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
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JONES
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HARRISON
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MADISON
WARREN
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MAHASKA
KEOKUK
WASHINGTON
LOUISA
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
DES MOINES
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
LEE
Excessive Heat Events
1
2 - 3
4 -5
Over 5

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 30 60 Miles

Reported Hail Events 1996-2013

Data Taken from National Climatic Data Center

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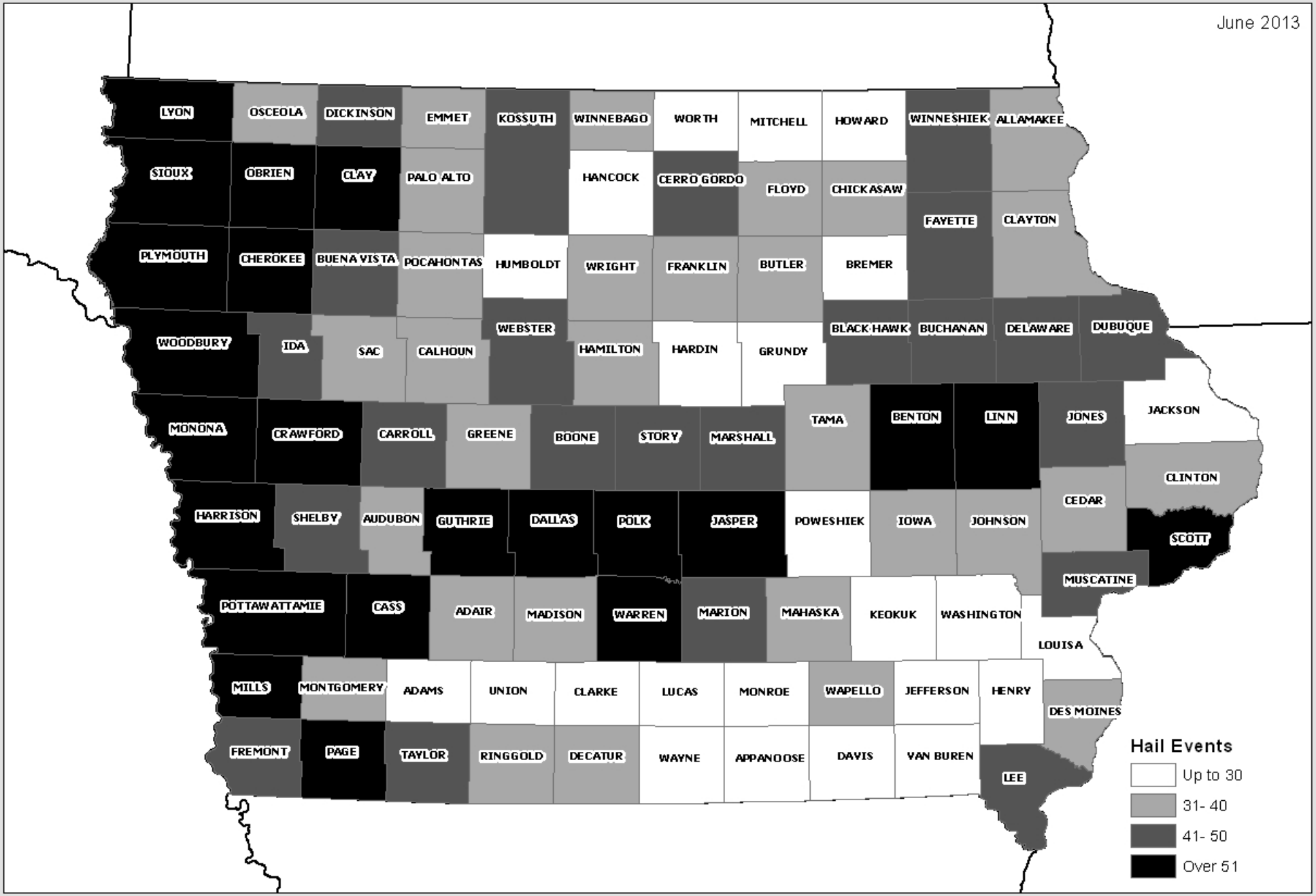

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 35 70 Miles

Landslide Susceptability and Incident Rate

Source: Iowa Department of Natural Resources

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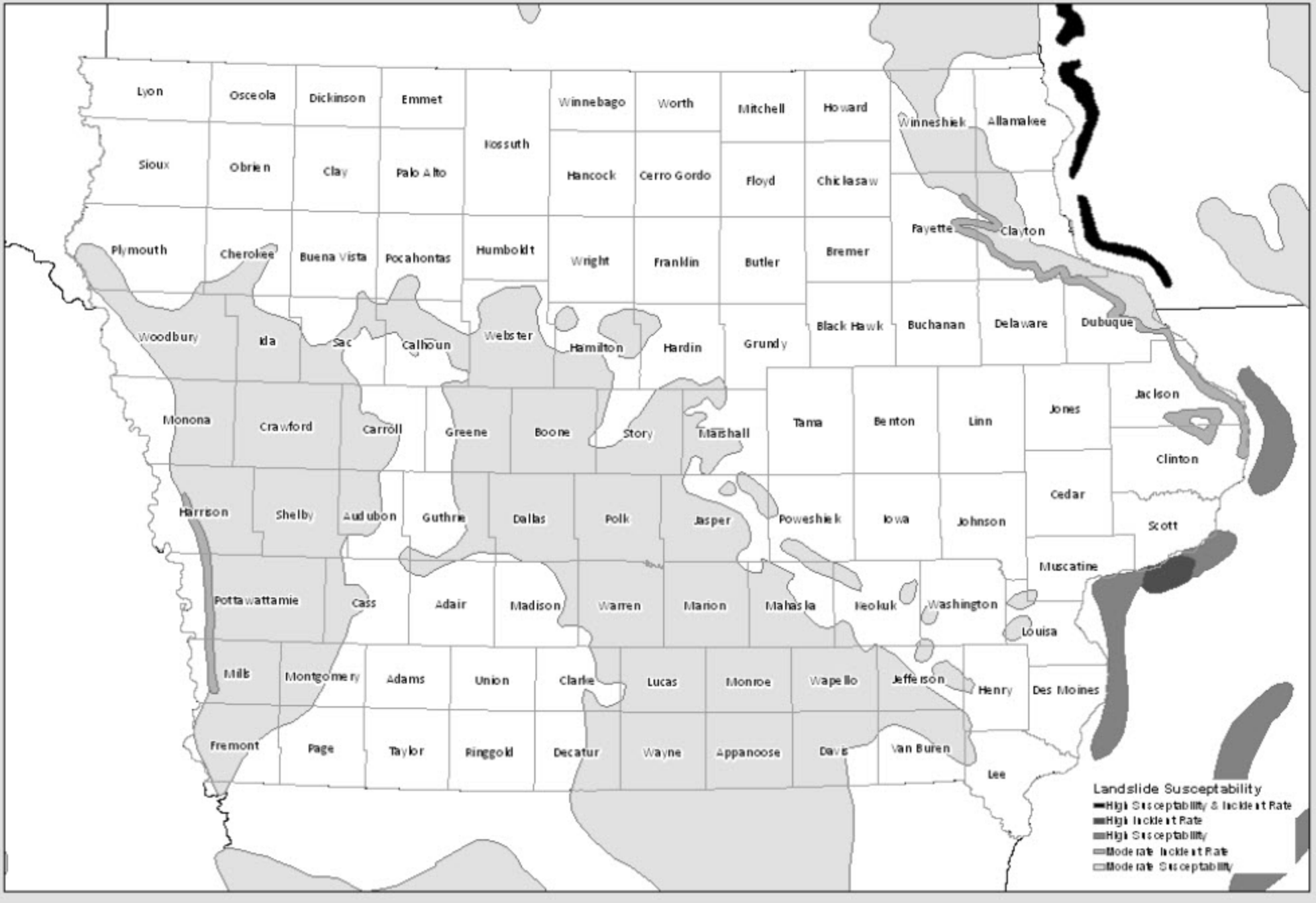

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 30 60 Miles

Reported Lightning Events: 1996-2013

Data Taken from National Climatic Data Center

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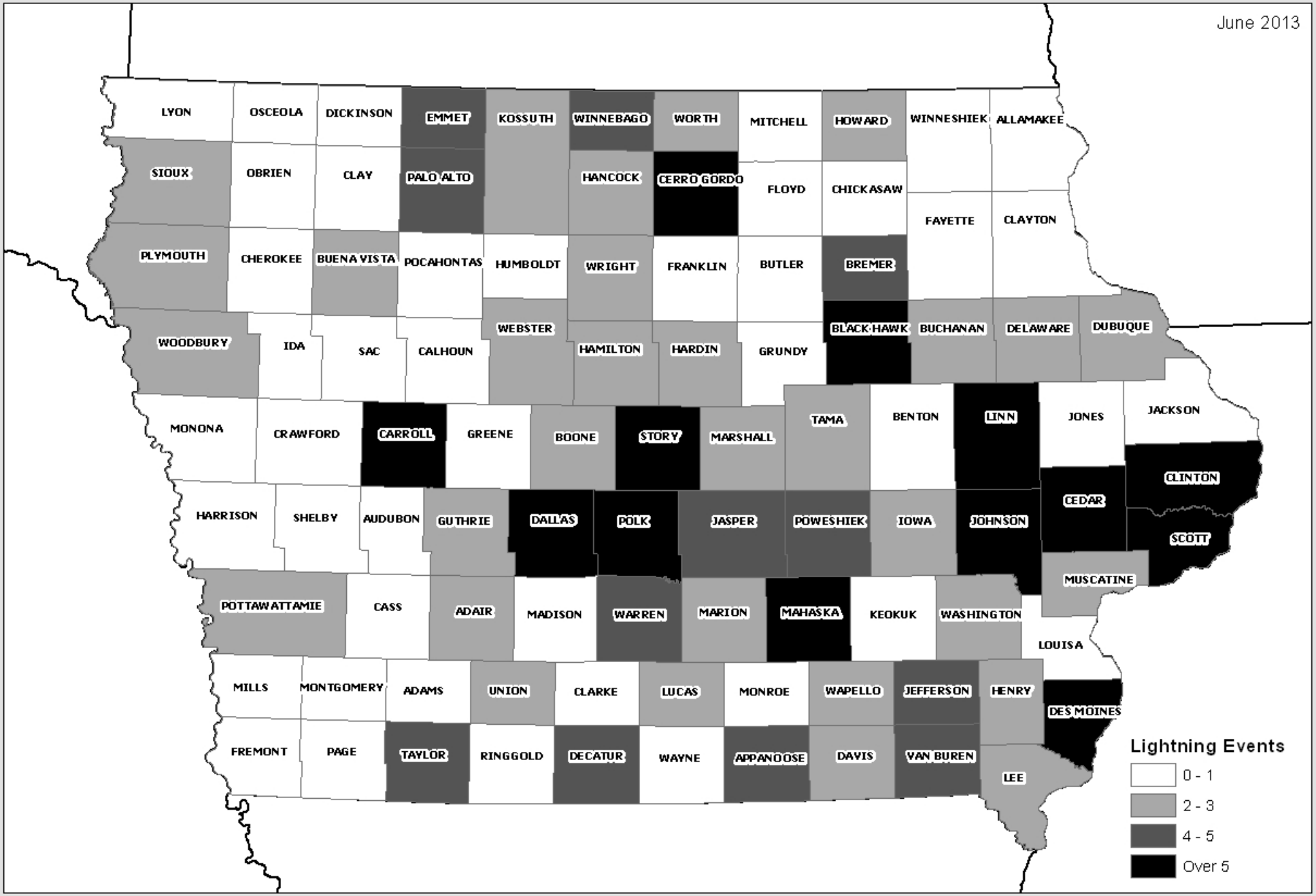
June 2013



Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

June 2013

High and Significant Hazard Dams by Emergency Management District

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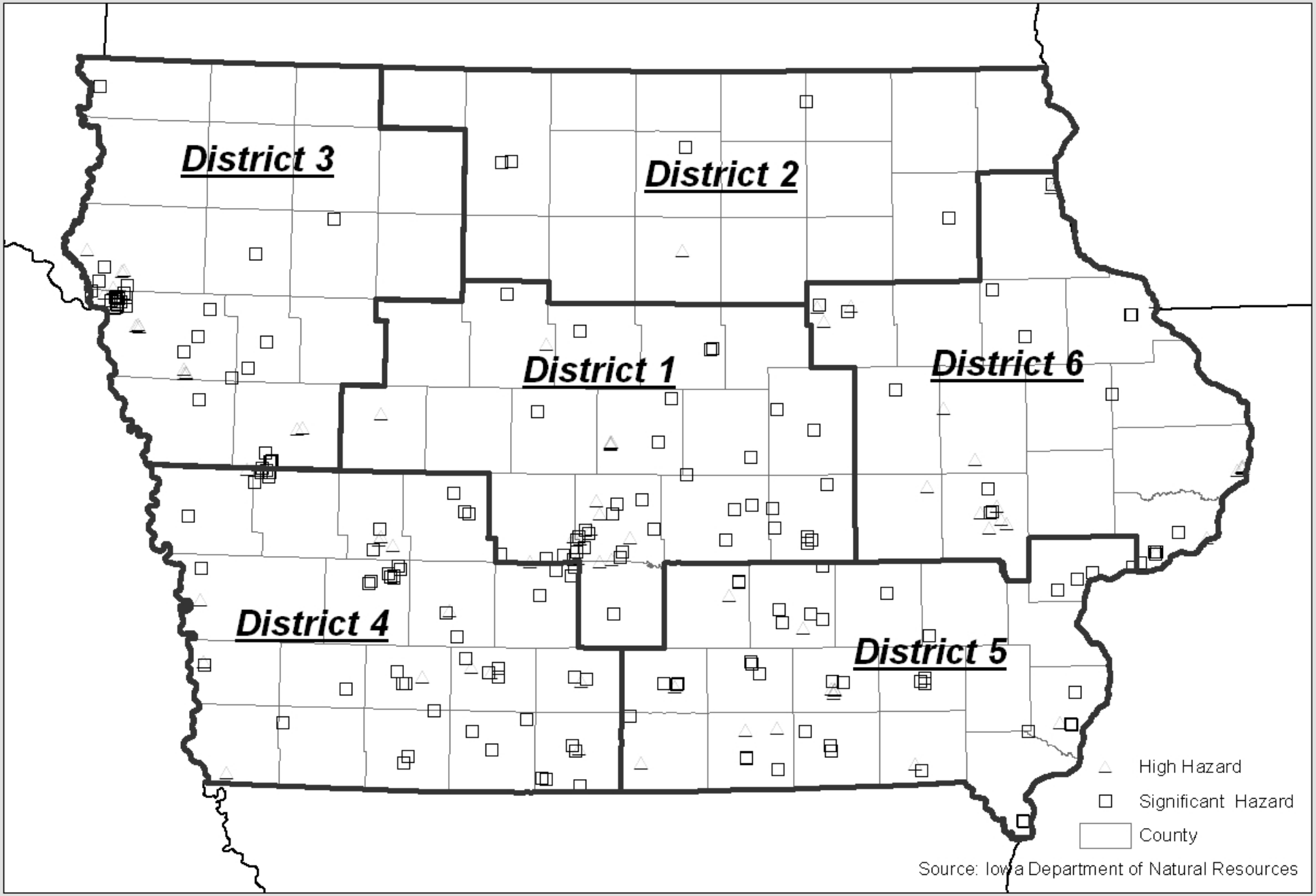

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

June 2013

Nuclear Power Plants Impacting Iowa

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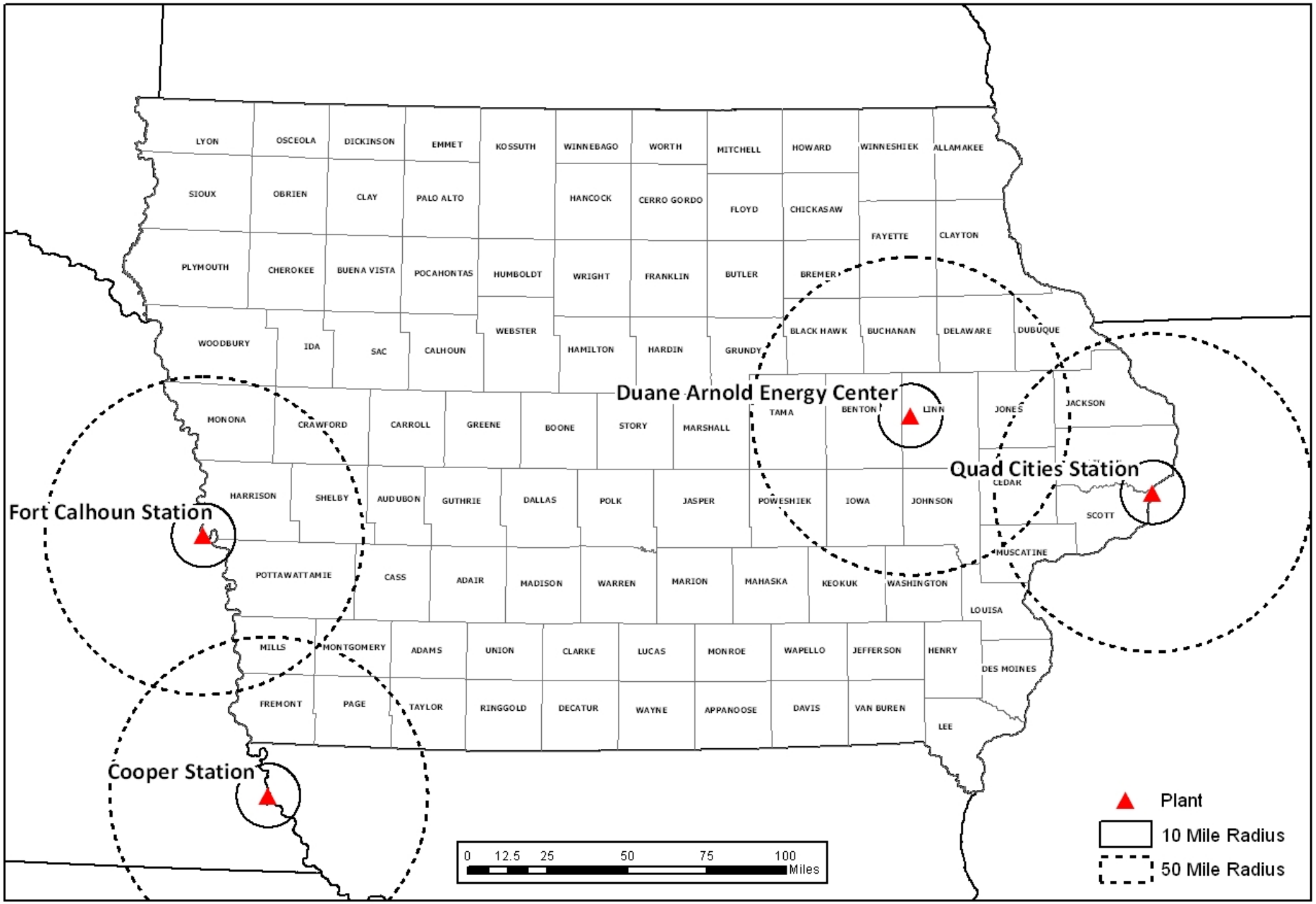

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 30 60 Miles

Potential Transportation Routes for Nuclear Waste Material

Source: State of Nevada Agency for Nuclear Projects (2002)

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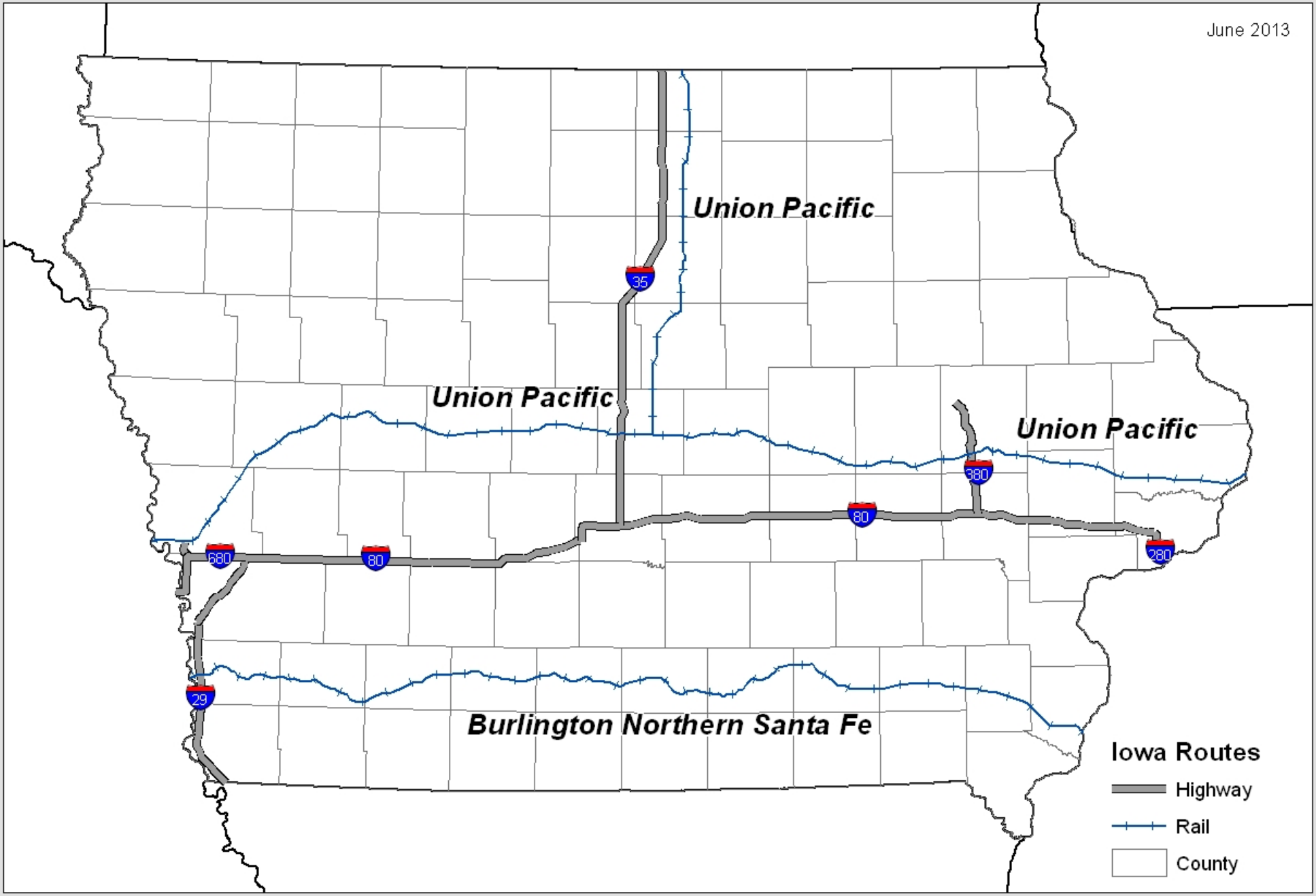

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

Iowa Critical Infrastructure/Key Resource (CI/KR) Facilities

Source: Iowa HSEMD

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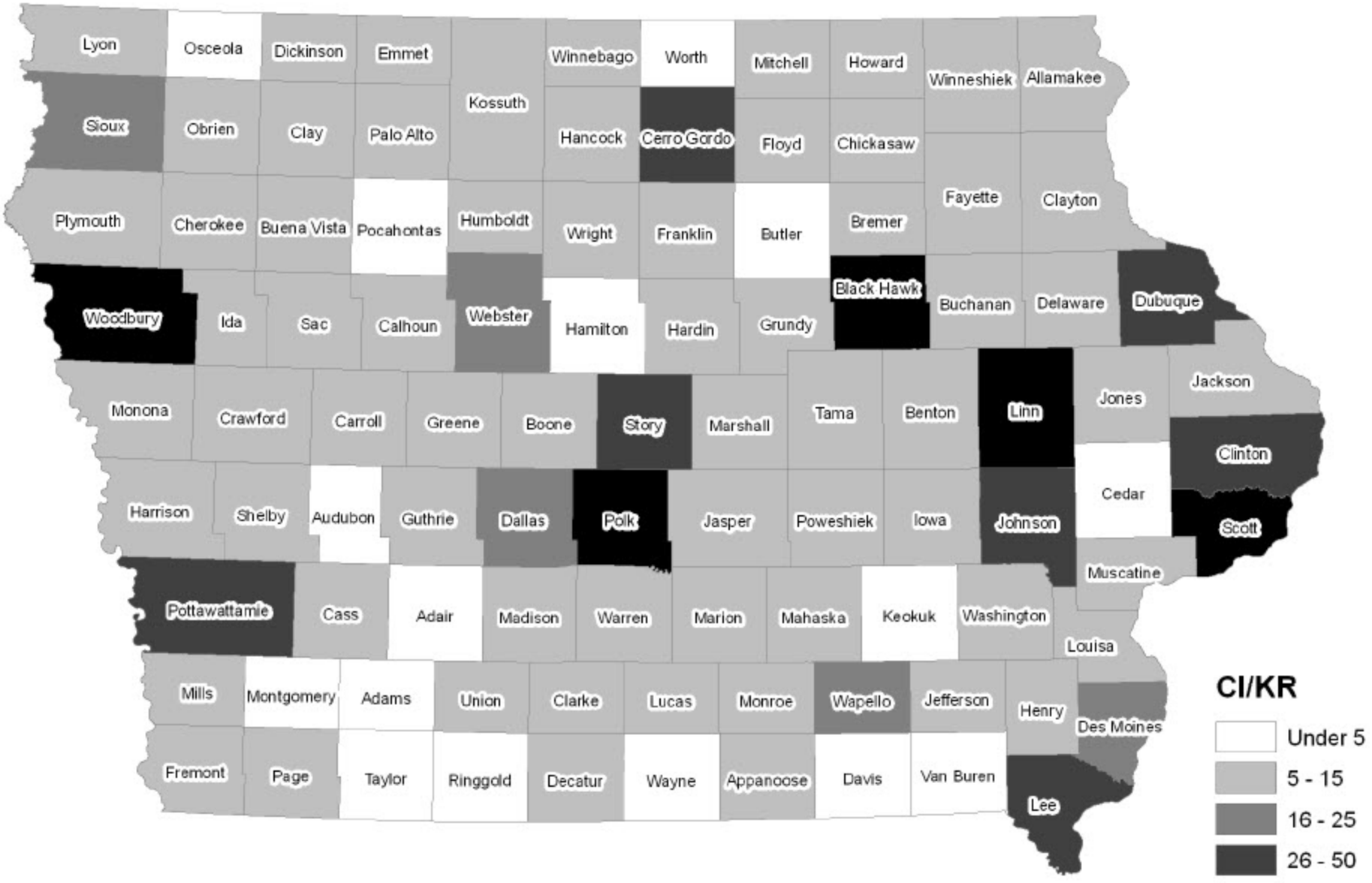

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 30 60 Miles

Average Annual Flood Loss Estimates

Estimates developed by HSEMD staff

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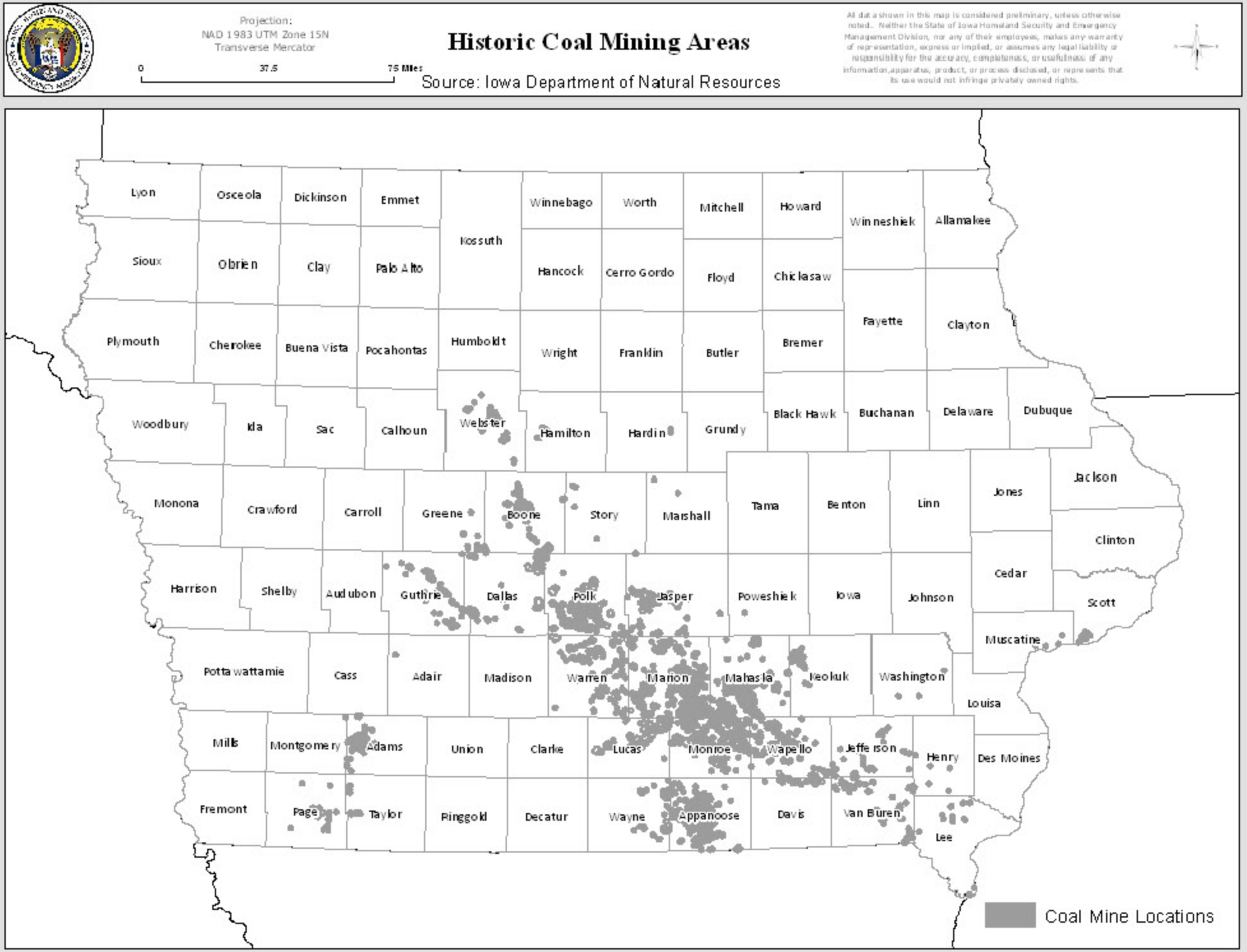
June 2013

LYON
OSCEOLA
DICKINSON
EMMET
KOSSUTH
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
SIOUX
OBRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
FAYETTE
CLAYTON
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
WOODBURY
IDA
SAC
CALHOUN
WEBSTER
HAMILTON
HARDIN
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
BENTON
LINN
JONES
JACKSON
CLINTON
HARRISON
SHELBY
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
CEDAR
SCOTT
MUSCATINE
POTTAWATTAMIE
CASS
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
LOUISA
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
DES MOINES
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
LEE

Annual Flood Loss

- Under $6,999,999 Million
- $7 - $9,999,999 Million
- $10 - $20,999,999 Million
- Over $21 Million


Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator
0
37.5
75 Miles
Historic Coal Mining Areas
Source: Iowa Department of Natural Resources
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Lyon
Osceola
Dickinson
Emmet
Kossuth
Winnebago
Worth
Mitchell
Howard
Winneshiek
Allamakee
Sioux
Obrien
Clay
Palo Alto
Hancock
Cerro Gordo
Floyd
Chicasaw
Fayette
Clayton
Plymouth
Cherokee
Buena Vista
Pocahontas
Humboldt
Wright
Franklin
Butler
Bremer
Woodbury
Ida
Sac
Calhoun
Webster
Hamilton
Hardin
Grundy
Black Hawk
Buchanan
Delaware
Dubuque
Monona
Crawford
Carroll
Greene
Boone
Story
Marshall
Tama
Benton
Linn
Jones
Jackson
Clinton
Harrison
Shelby
Audubon
Guthrie
Dallas
Polk
Jasper
Poweshiek
Iowa
Johnson
Cedar
Scott
Muscatine
Potta wattamie
Cass
Adair
Madison
Warren
Marion
Mahasla
Keokuk
Washington
Louisa
Mills
Montgomery
Adams
Union
Clarke
Lucas
Monroe
Wapello
Jeffe rson
Henry
Des Moines
Fremont
Page
Taylor
Ringgold
Decatur
Wayne
Appanoose
Davis
Van Buren
Lee
Coal Mine Locations

Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator

0 35 70 Miles

Levees*

July 2013

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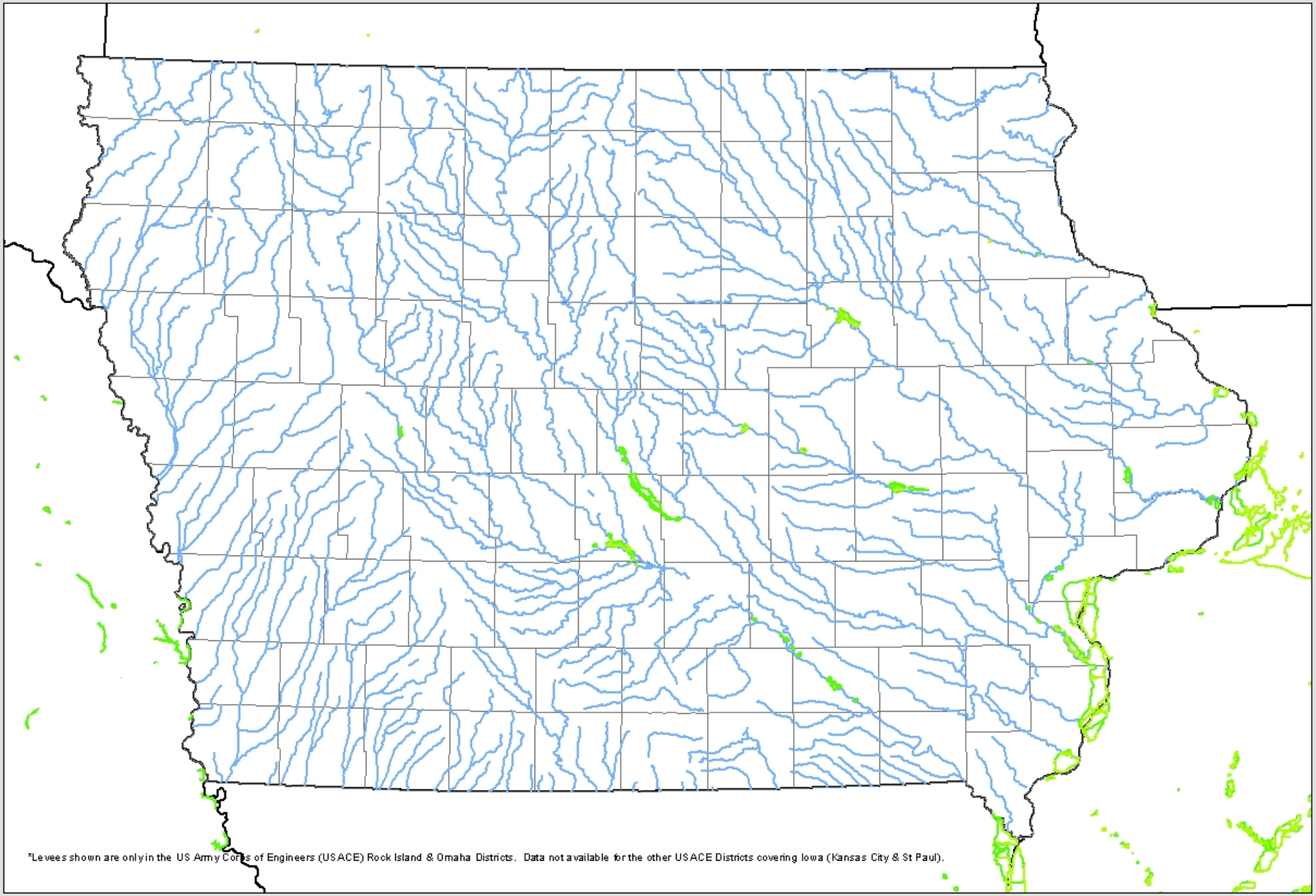
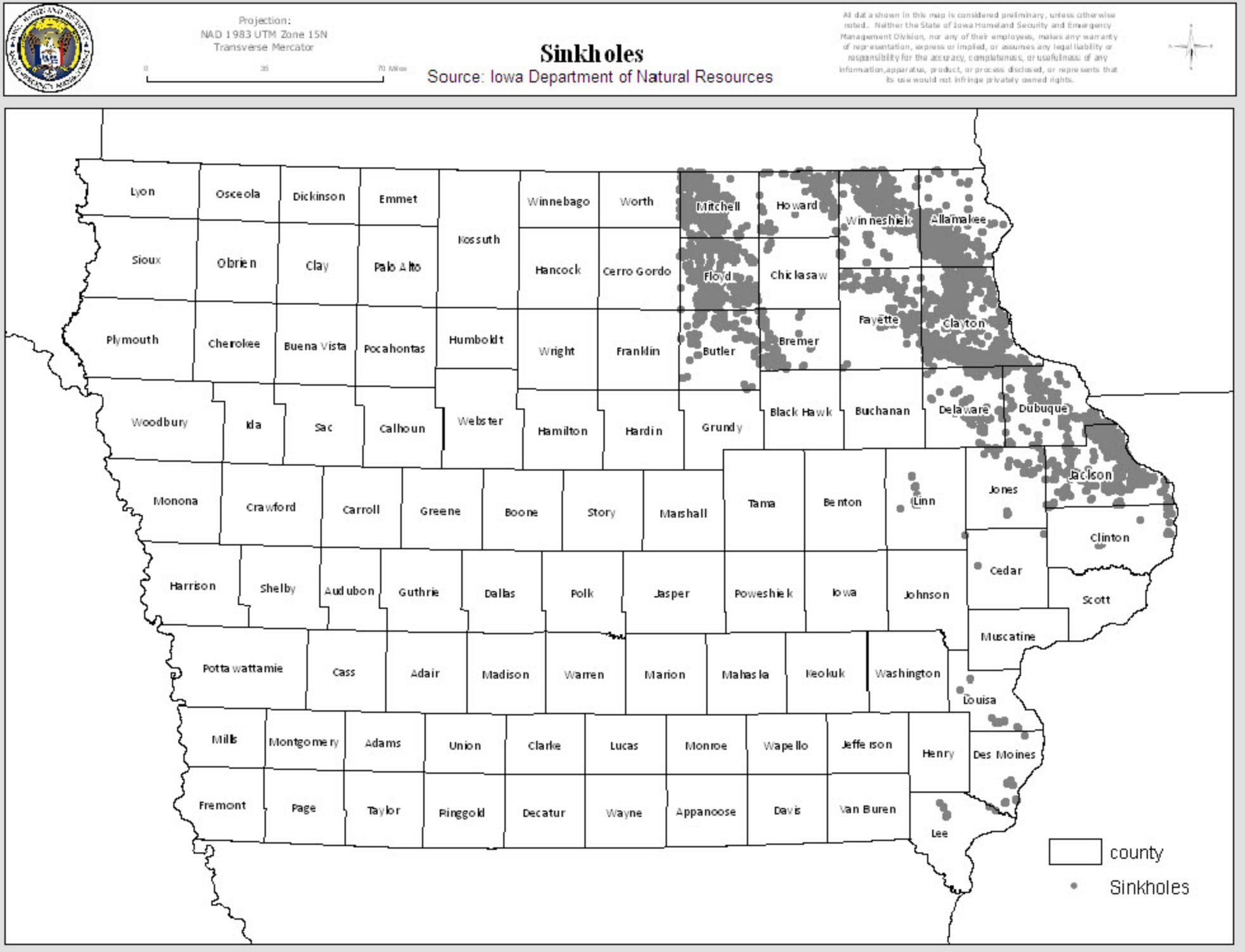


*Levees shown are only in the US Army Corps of Engineers (USACE) Rock Island & Omaha Districts. Data not available for the other USACE Districts covering Iowa (Kansas City & St Paul).


Projection:
NAD 1983 UTM Zone 15N
Transverse Mercator
0
35
70 Miles
Sinkholes
Source: Iowa Department of Natural Resources
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Taylor
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Wayne
Appanoose
Davis
Van Buren
Lee
county
Sinkholes