



TYPES OF MAPS



Types of Maps



Session Objectives:

At the conclusion of this session, you will be able to:

- Explain the difference between general purpose and thematic maps.
- Identify different types of thematic maps.

Types of maps



- *general purpose*
 - (reference maps)
 - emphasis on location
 - all data at same level of importance
- *examples:*
 - topographic maps
 - street maps
 - atlas maps

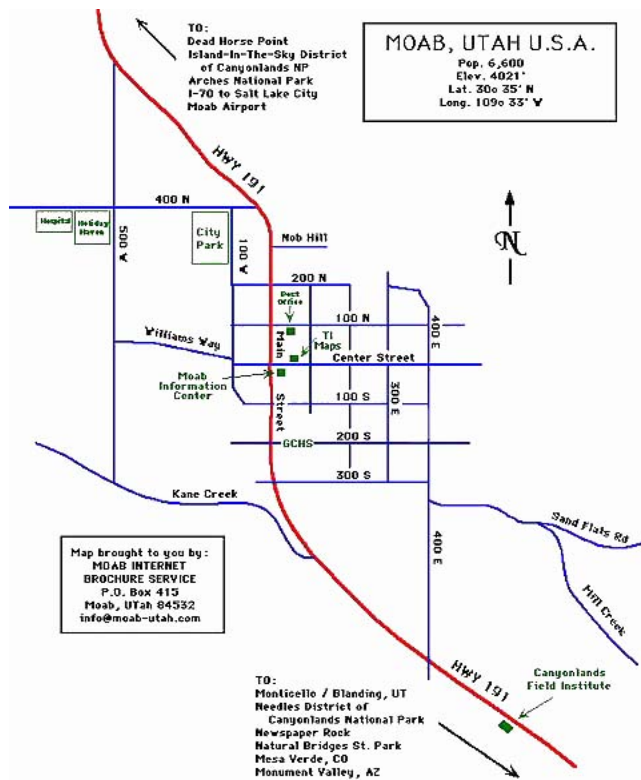


General Purpose : Topographic





General Purpose : Street Map





General Purpose : Atlas Map

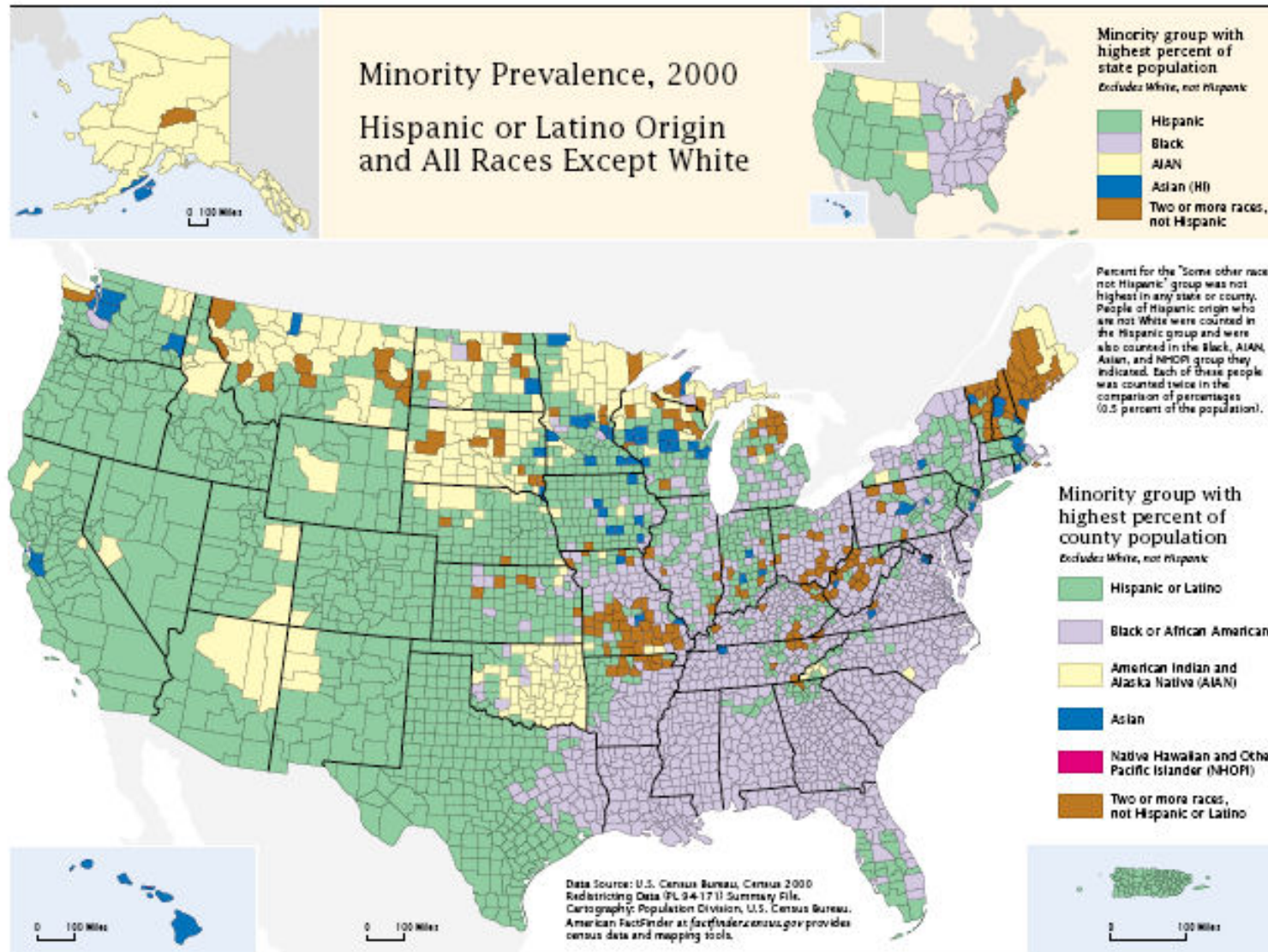




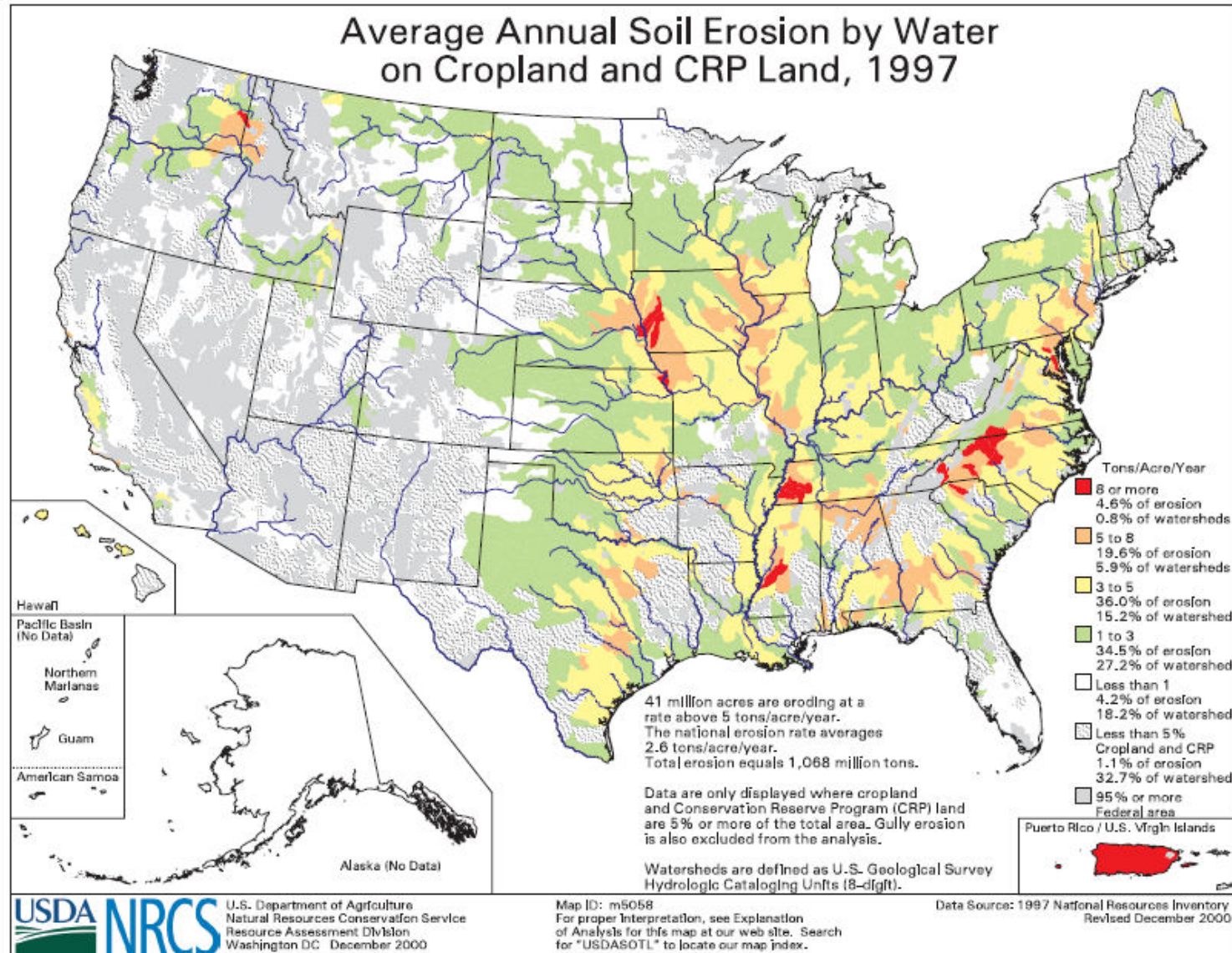
Types of maps

- thematic
 - (special purpose, single topic, statistical maps)
 - data “on” a base map
 - specific purpose
- *examples:*
 - choropleth, dot, graduated circle maps
 - isoline, flow maps
 - value by area maps (cartograms)

Thematic : Choropleth Map



Thematic : Choropleth Map

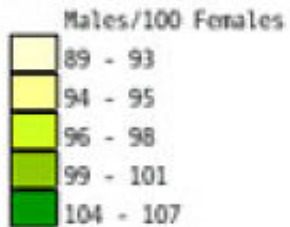


Thematic : Choropleth Map



Legend

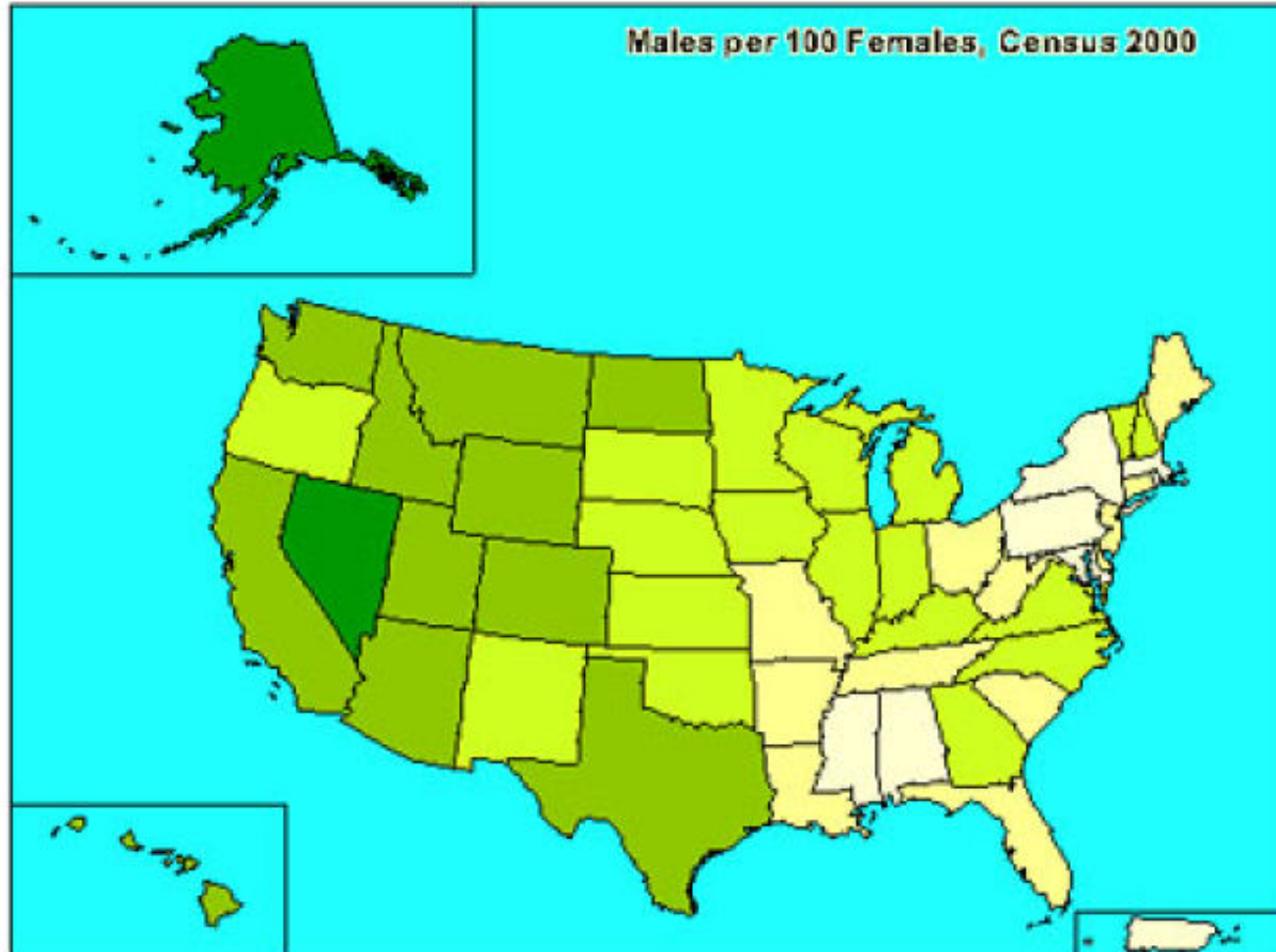
Data Classes



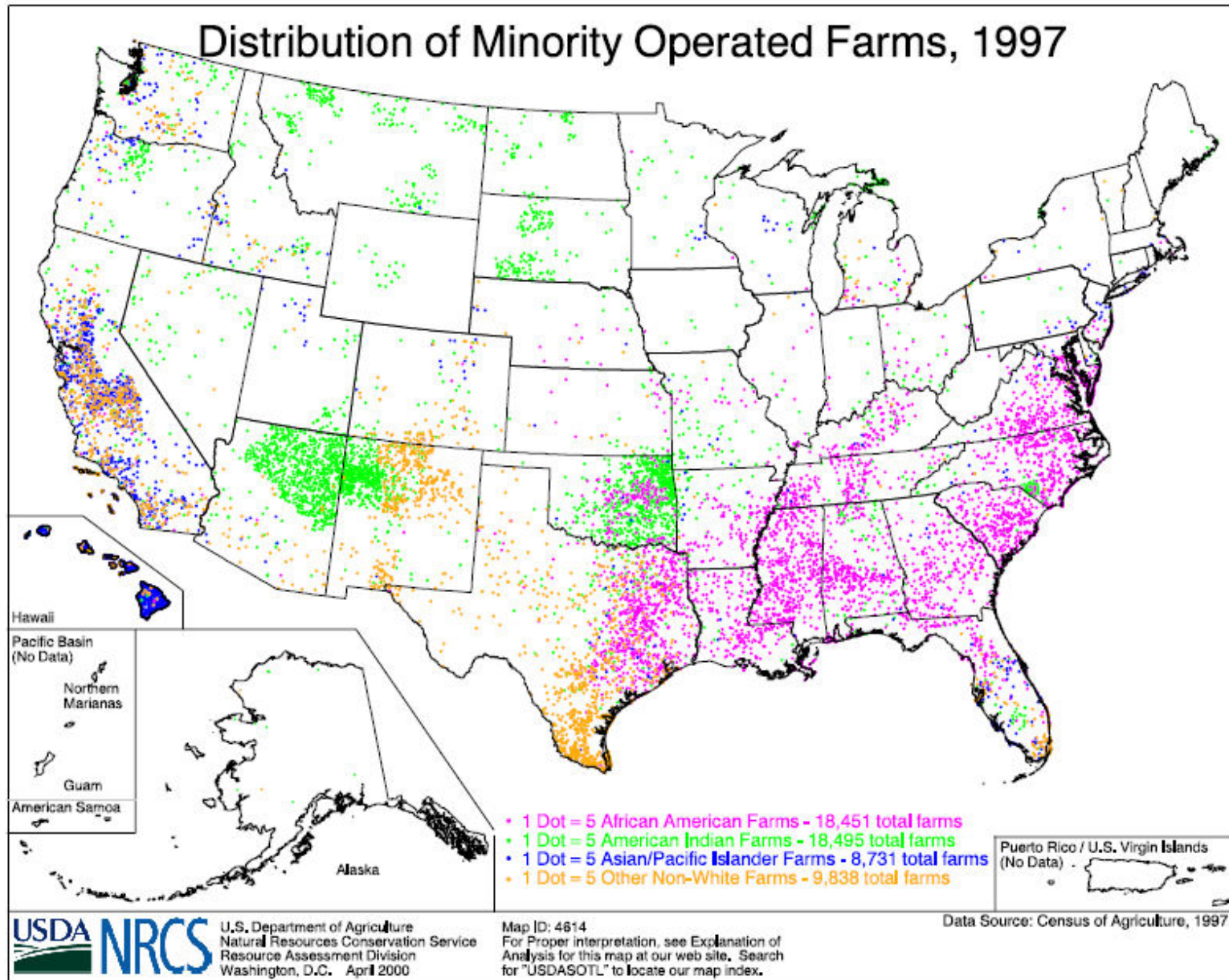
Features

- Major Road
- Street
- Stream/Waterbody

Items in gray text
are not visible
at this zoom level

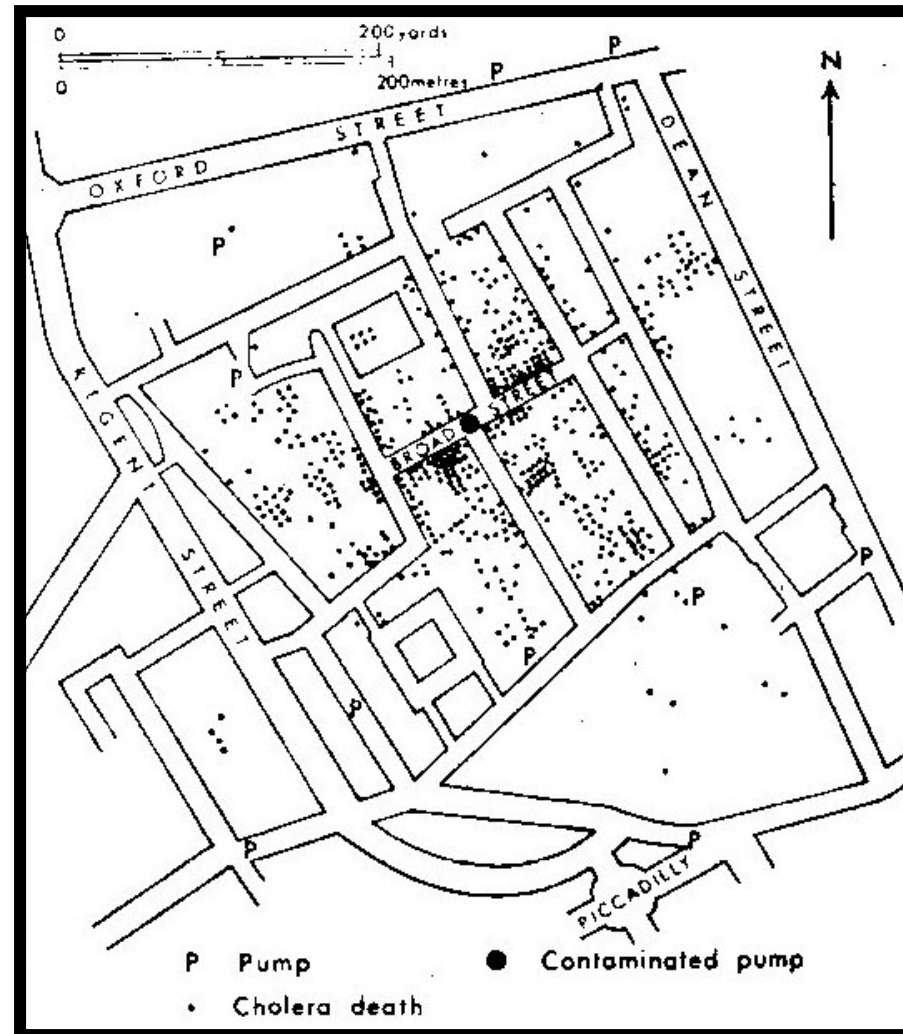


Thematic : Dot Map

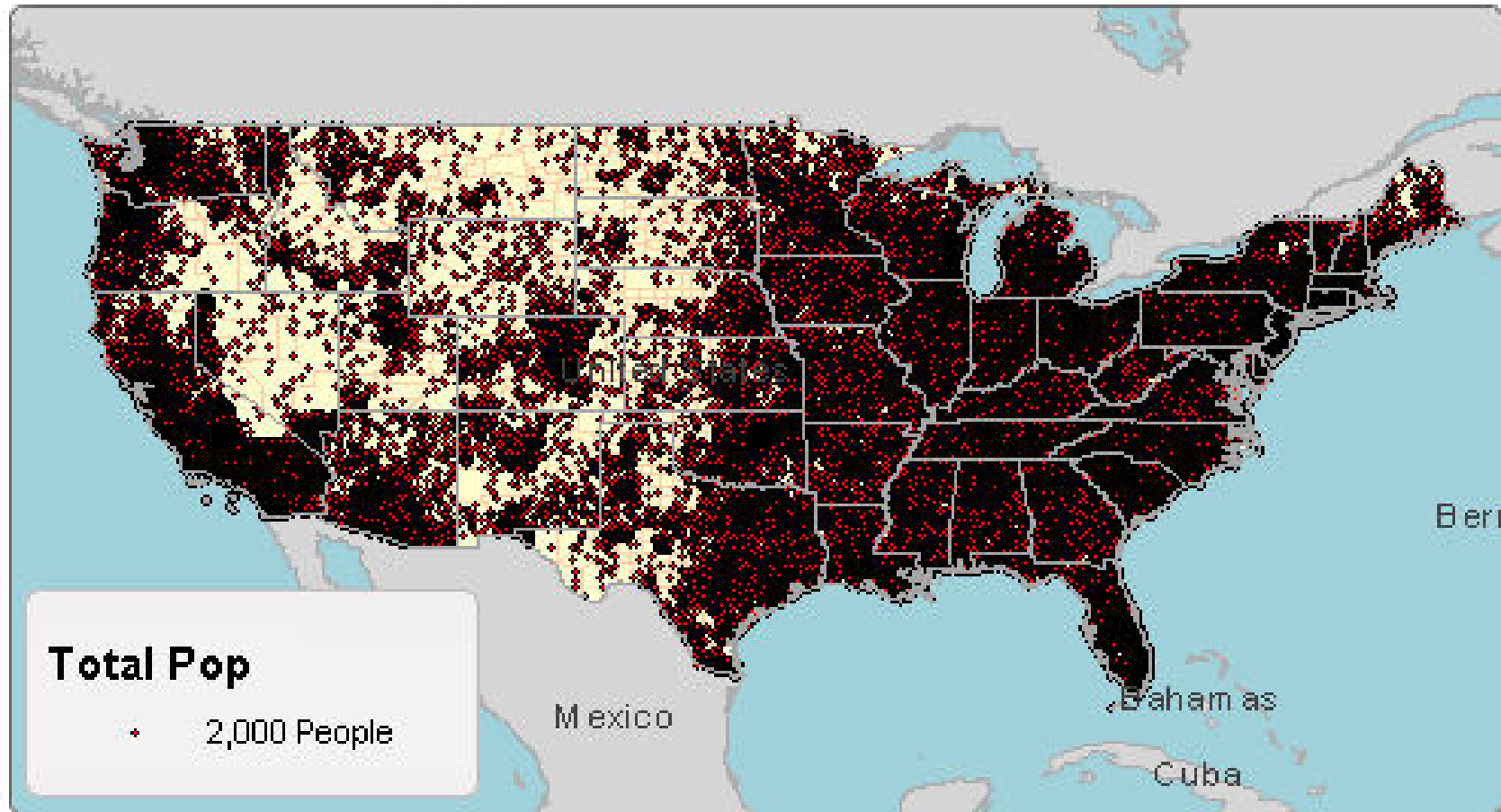




Thematic : Dot Map

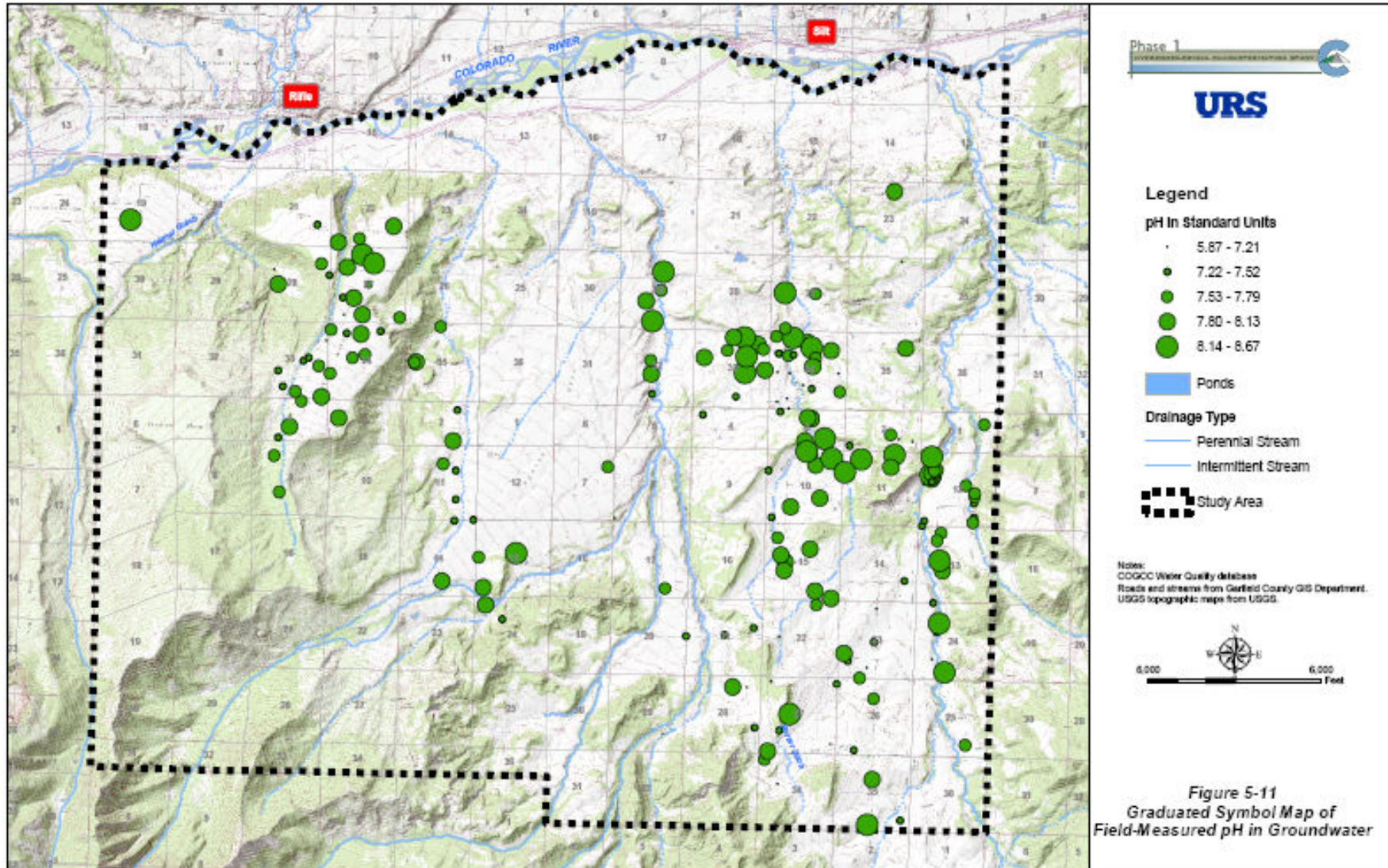


Thematic : Dot Map

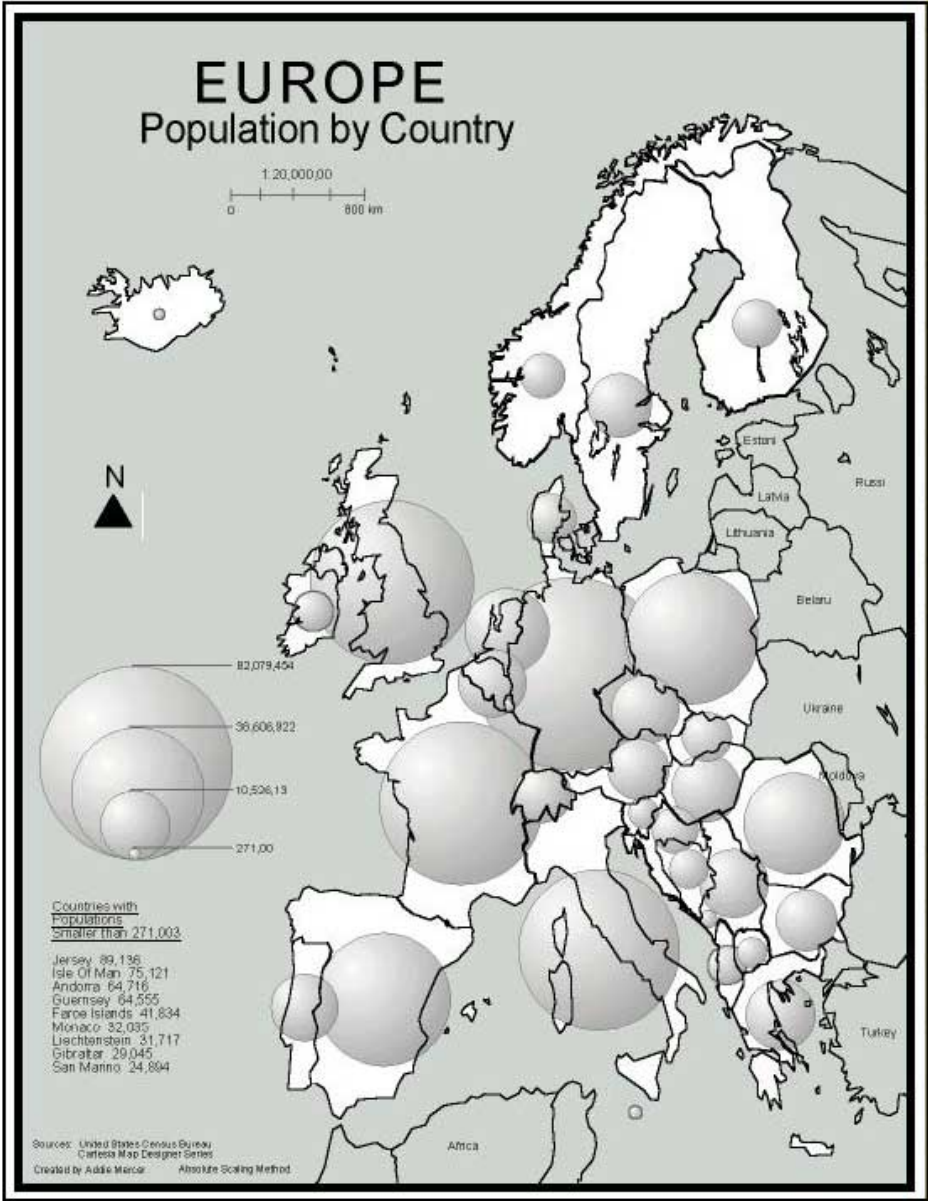


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Thematic : Graduated Symbol Map



Thematic : Proportional Symbol Map

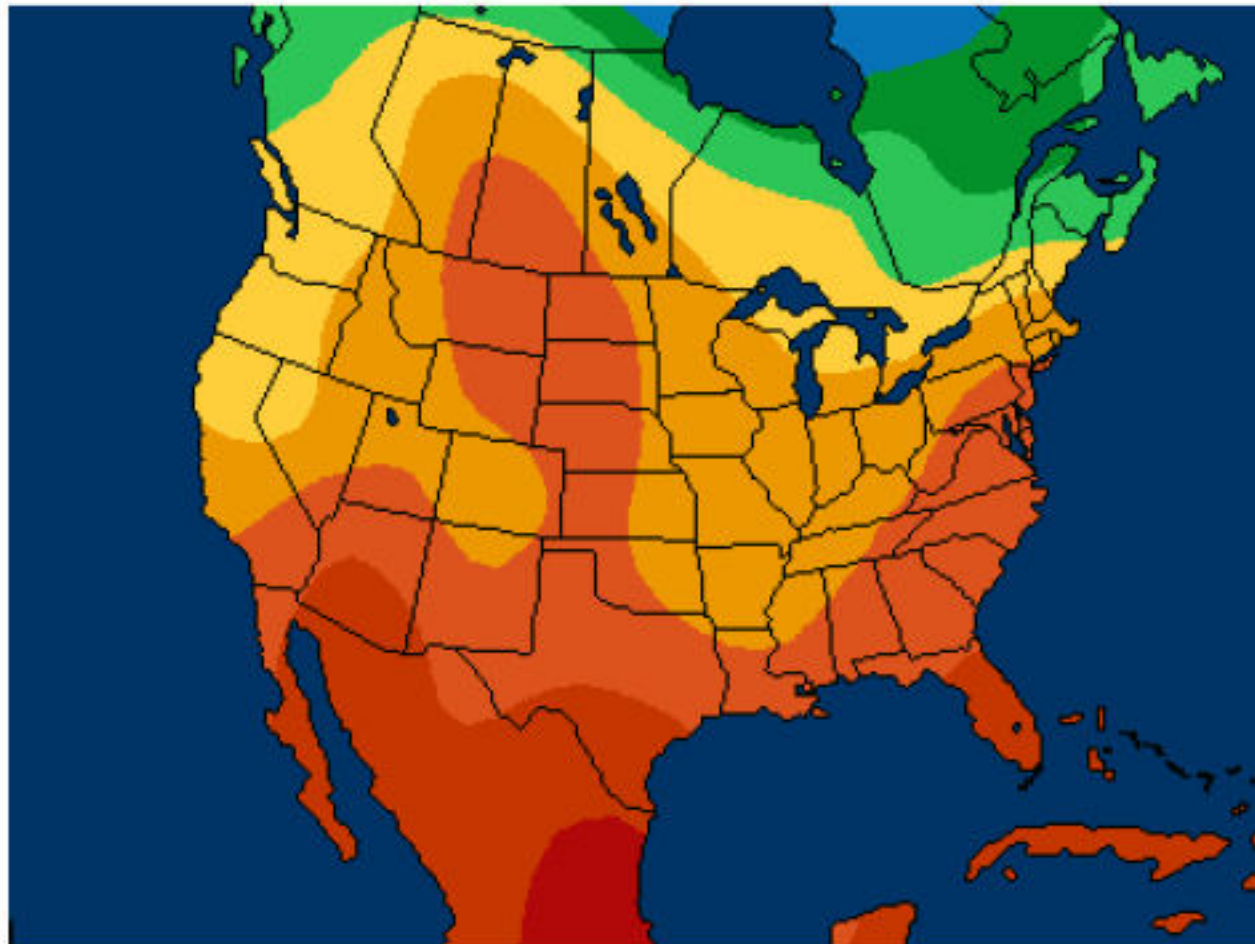


Thematic : Isoline Map



THURSDAY HIGH TEMPERATURE

12:09PM EDT 7-APR-05



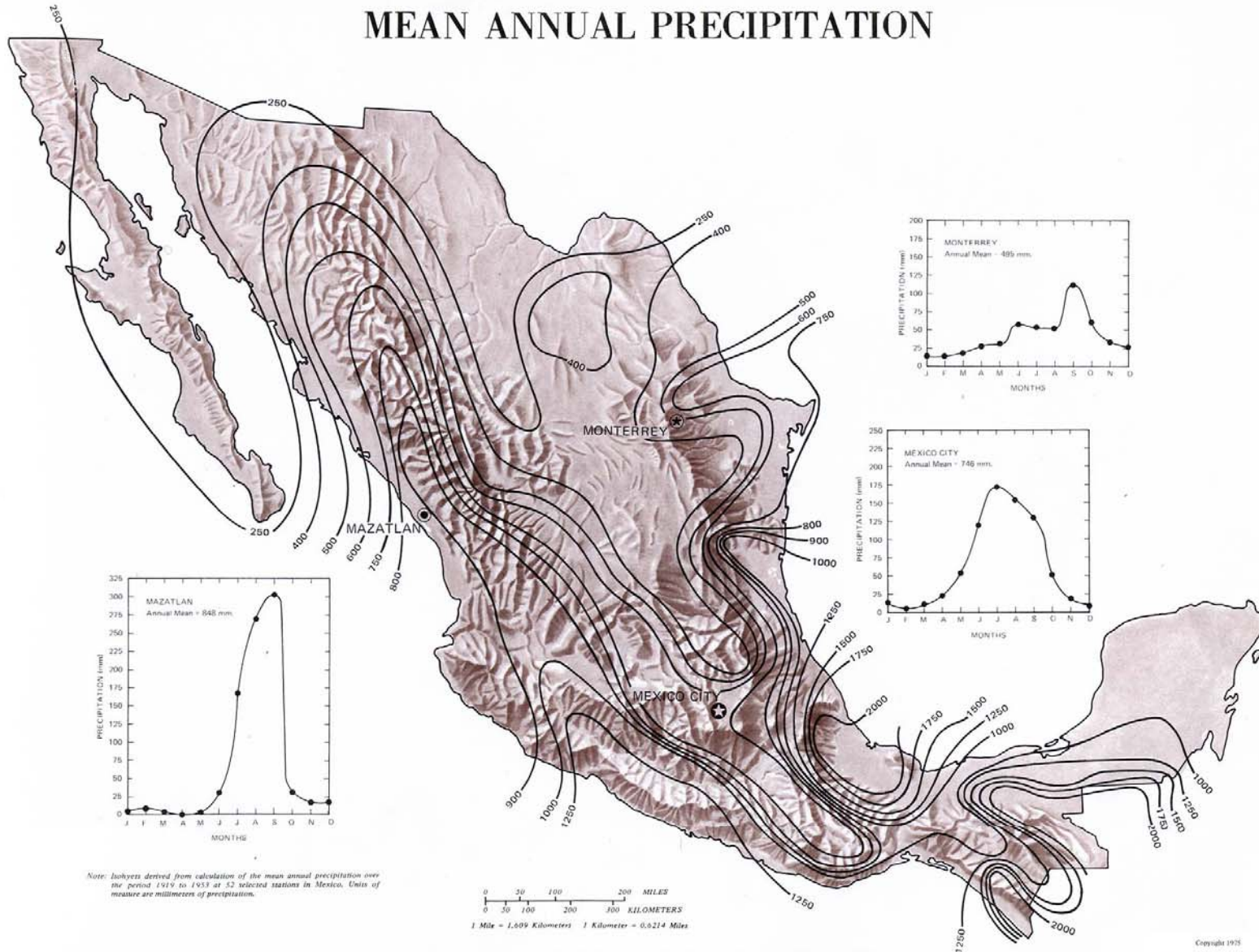
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Thematic : Isoline Map

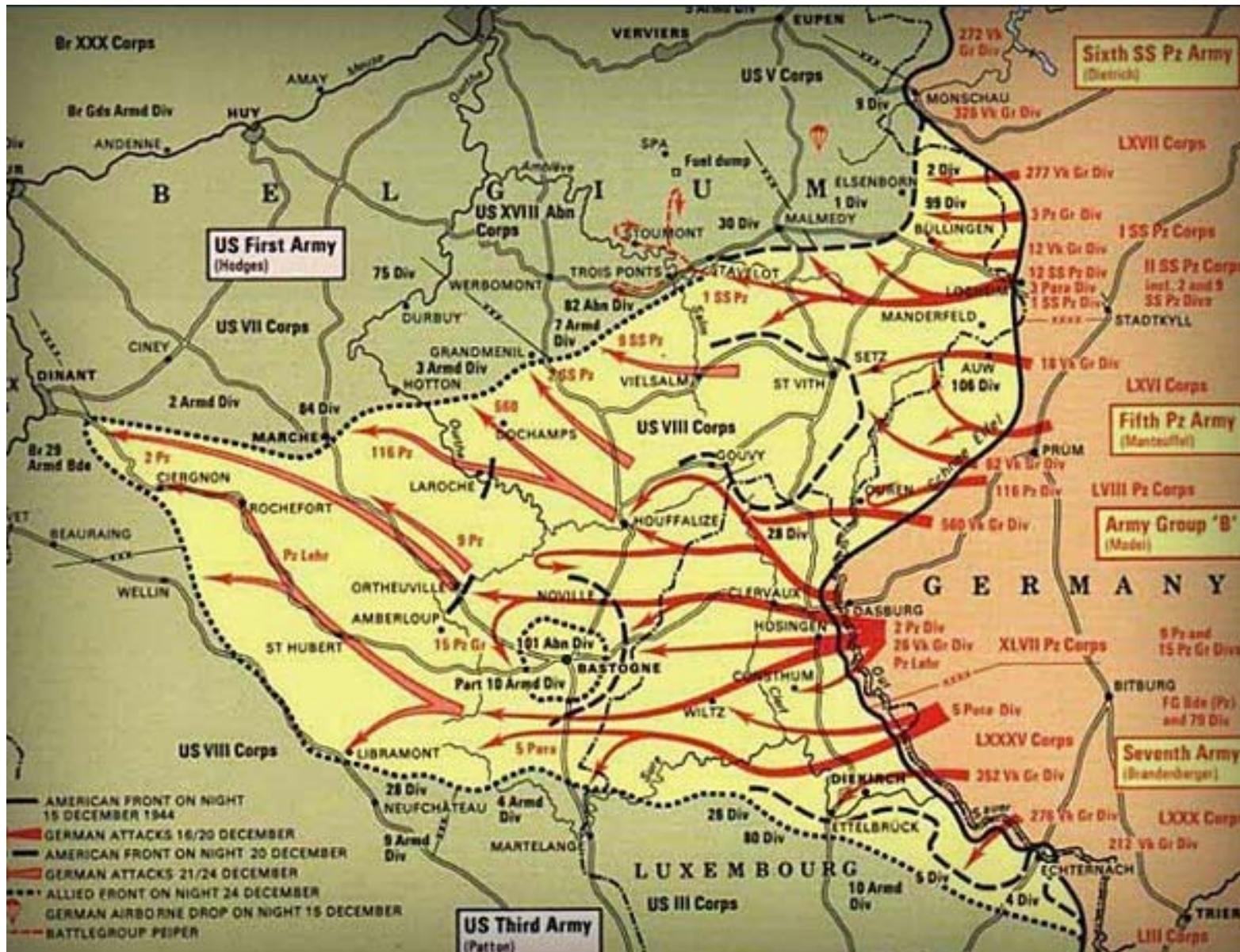


MEAN ANNUAL PRECIPITATION

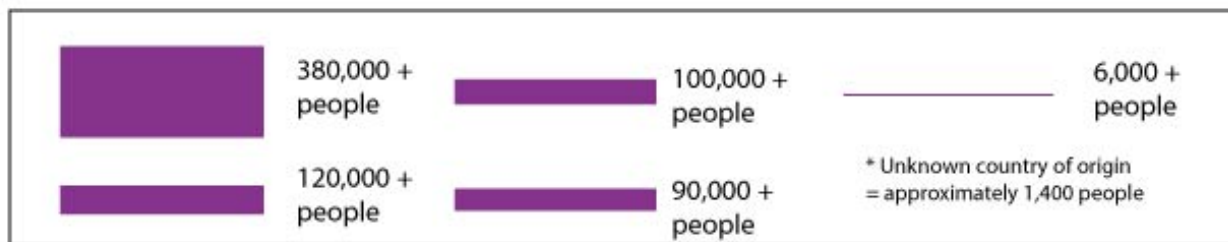
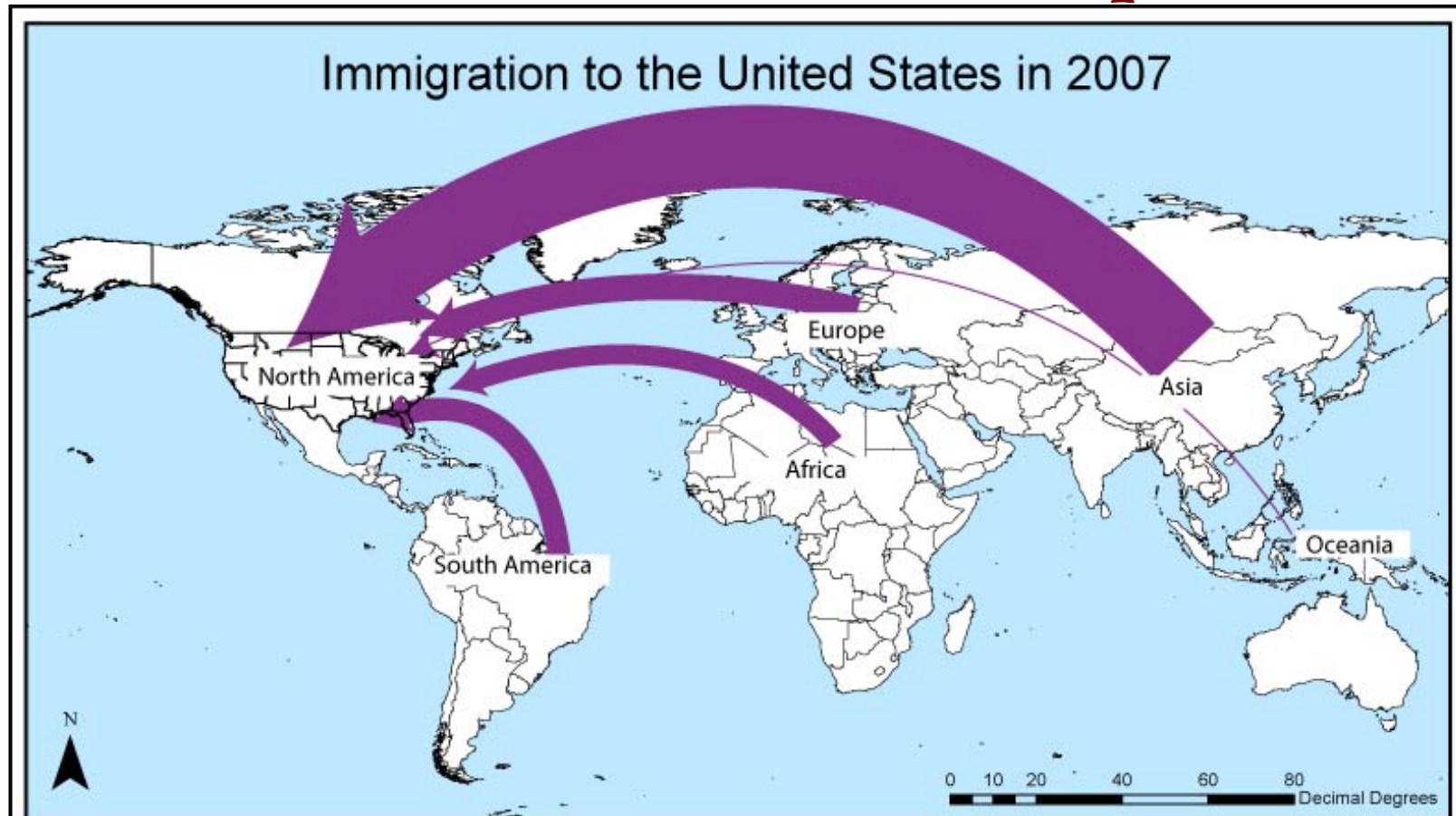


Source: Adapted with permission, from Gilbert F. White, ed., *The Future of Arid Lands*, 1956.

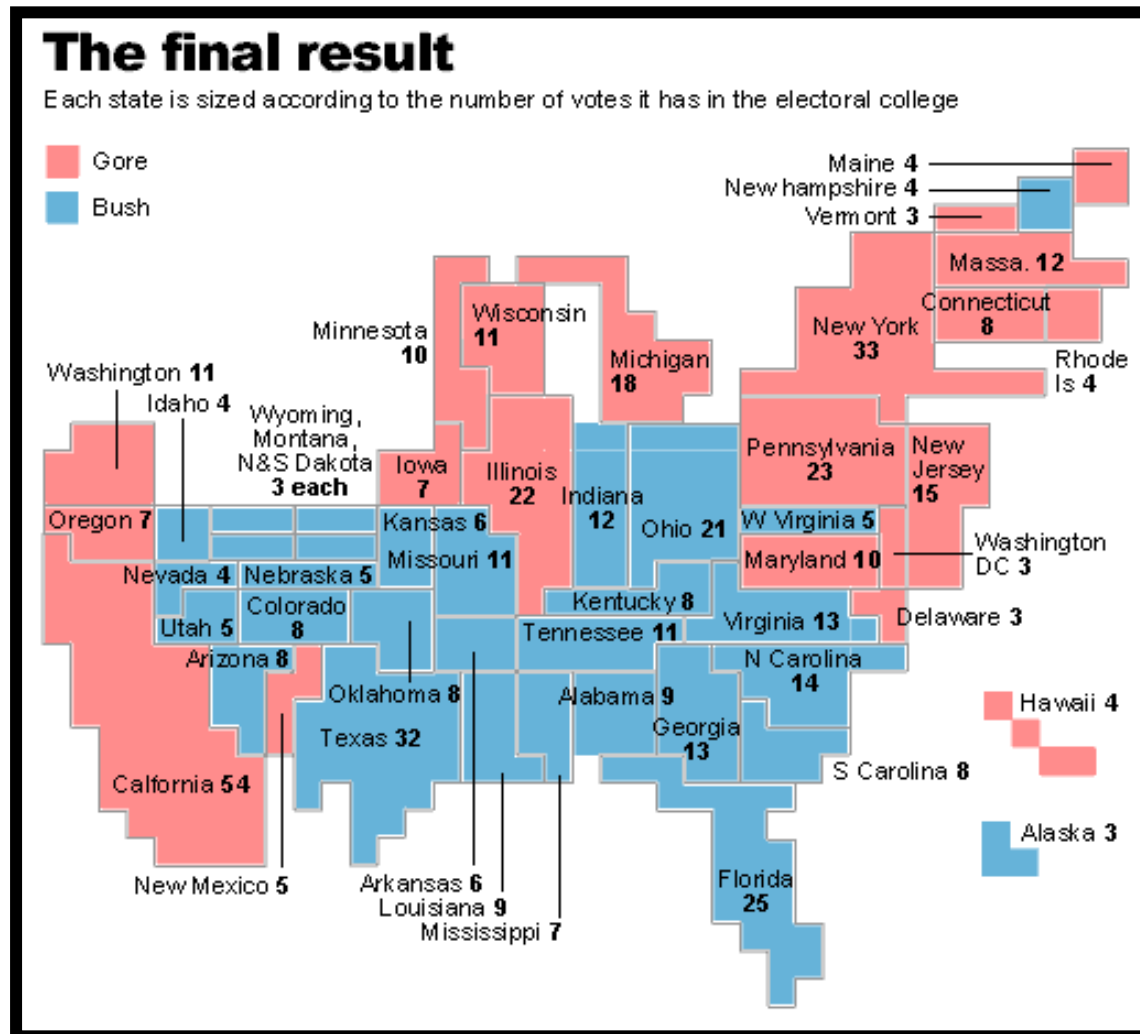
Thematic : Flow Map



Thematic : Flow Map

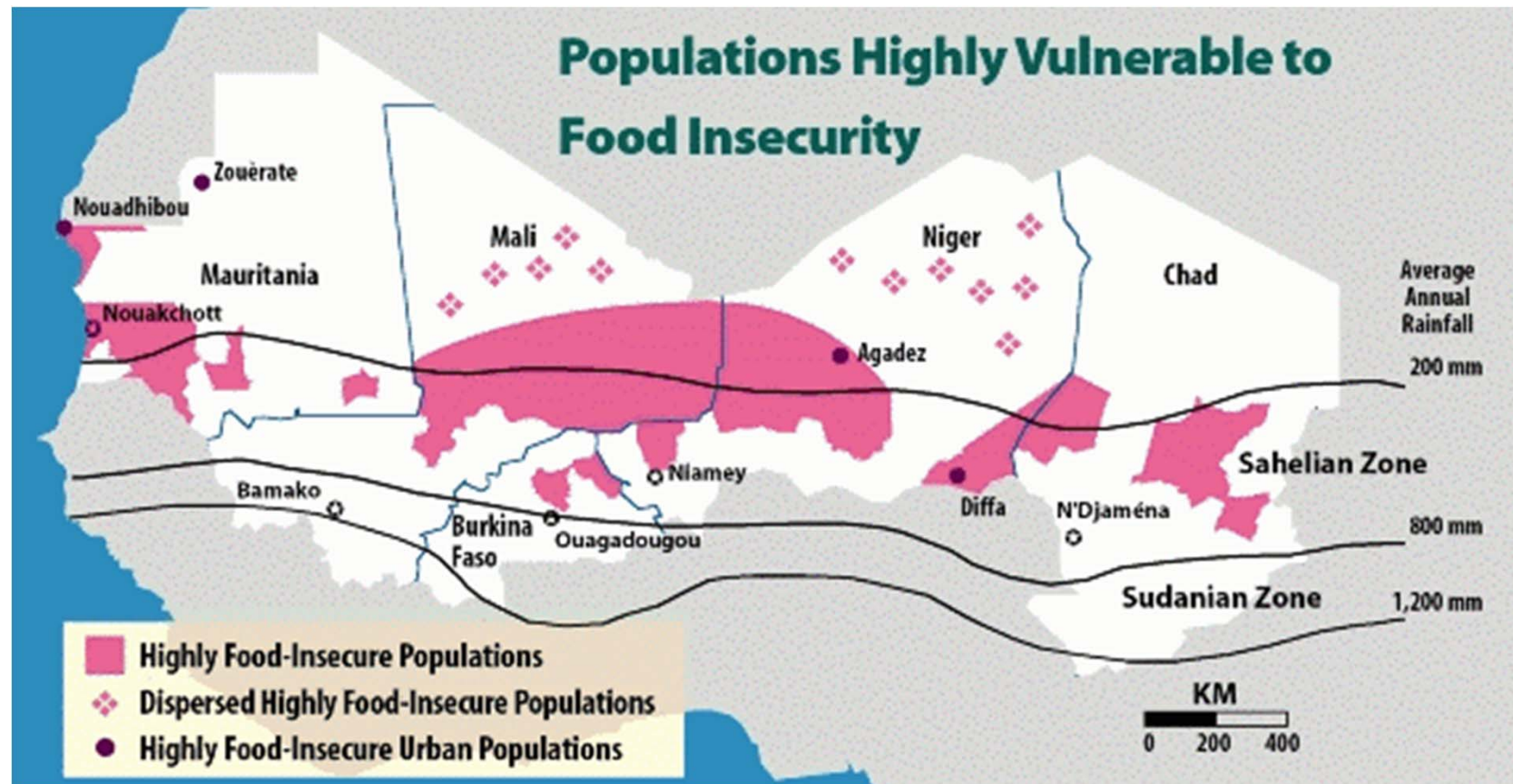


Thematic : Value by Area Map (Cartogram)



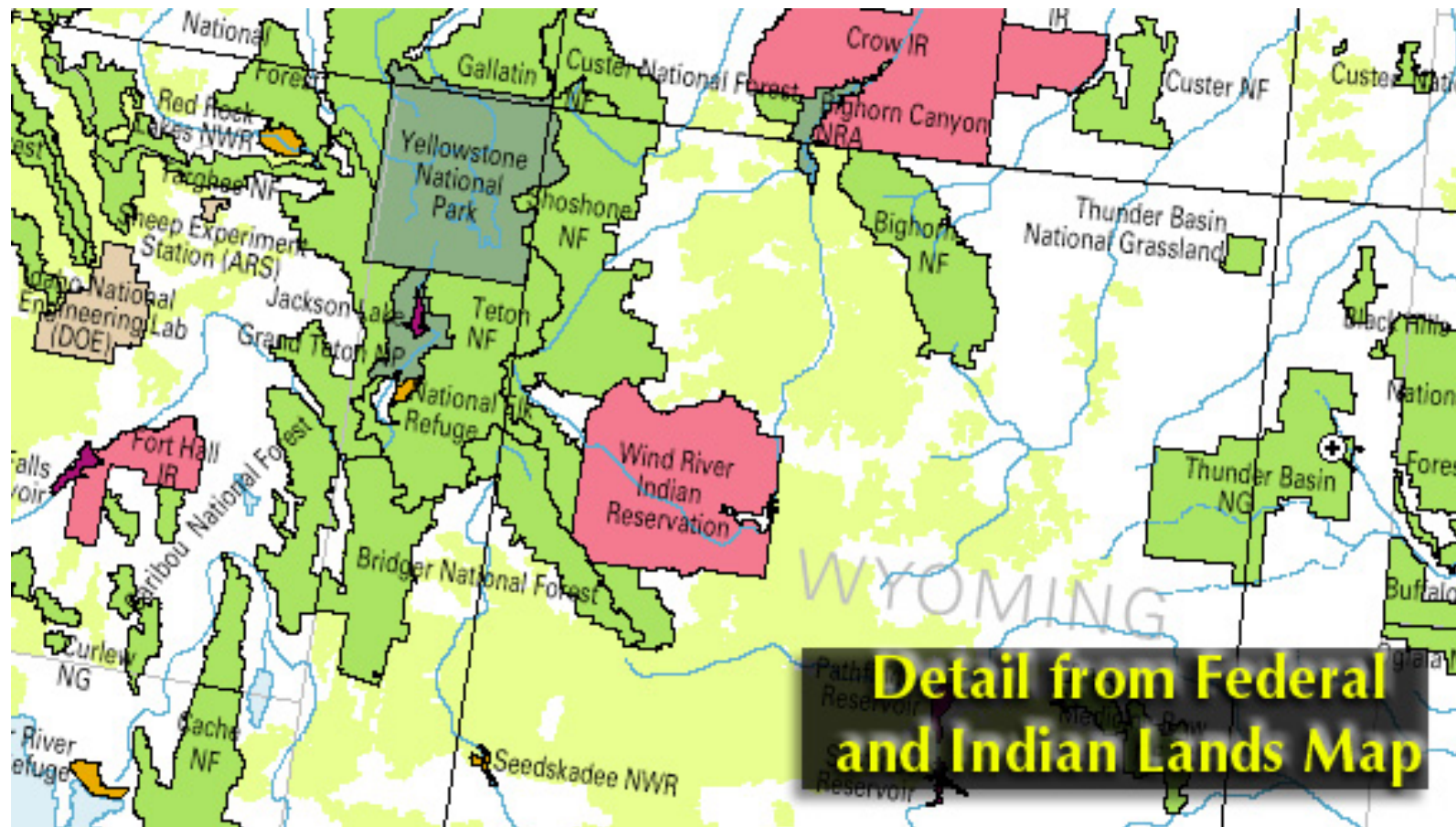


Thematic : Combination of which?





Thematic or General Purpose?



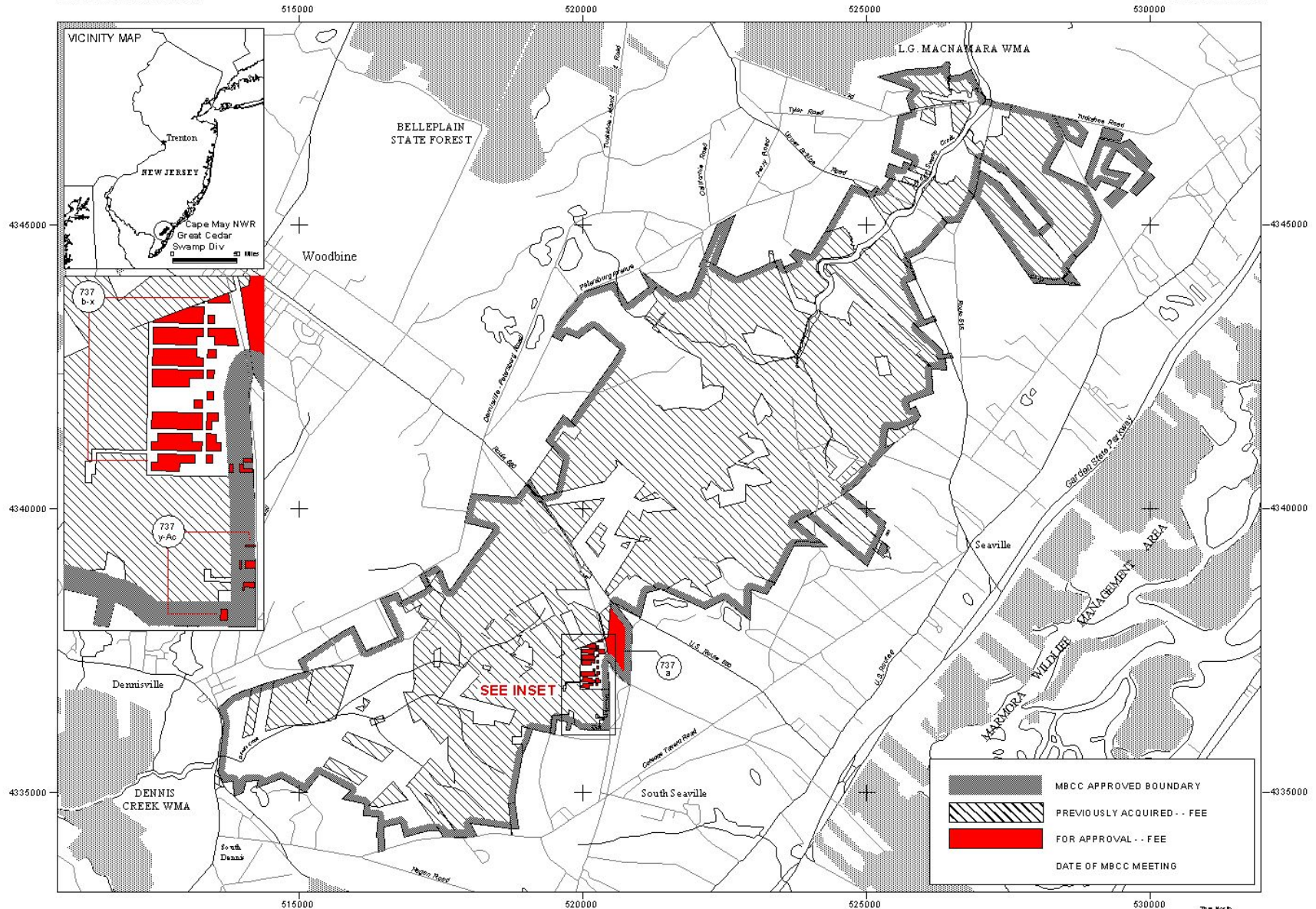
CAPE MAY NATIONAL WILDLIFE REFUGE

GREAT CEDAR SWAMP DIVISION

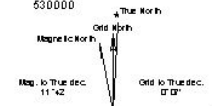
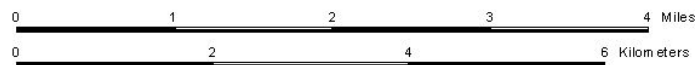
CAPE MAY COUNTY, NEW JERSEY

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Book Recommendations

