

The map above shows the most used places on Central Campus. The Clough Building is the main academic building where most first year classes are held. The Student Centre has a lot of food options, a Recreation Centre and a Music Studio. The Campanile is a really nice place to sit and eat and hang out with friends on a sunny day. The maps on the right show MARTA Stations and Hospitals close to campus - that is, other facilities that students may need.

Charleston's Low Country Low Line

The Lowline is a green linear park aimed at transforming the derelict, unsafe rail corridor running north/south in downtown Charleston, SC into a public green space. The Lowline also provides the opportunity to help alleviate chronic flooding on the peninsula through the design of its stormwater management system.

Connections to the Lowline:

- **Magnolia Development:** A converted brownfield site, proposed to be re-developed to be a mixed use facility. The site will contain shopping, restaurants and even a skate park.
- **Laurel Island:** Currently undeveloped, this parcel is projected to be re-developed to include a bike path around its perimeter with waterfront views.
- **Hampton Park:** One of Charleston's largest parks complete with walking paths, playgrounds, baseball/softball fields, and gardens.
- **Ravenel Bridge Bike & Pedestrian Lane:** Divided bike/pedestrian lane across the longest cable stay span in North America.
- **Marion Square:** Greenspace in the historic section of Charleston. This square is known for its Saturday morning farmers market.



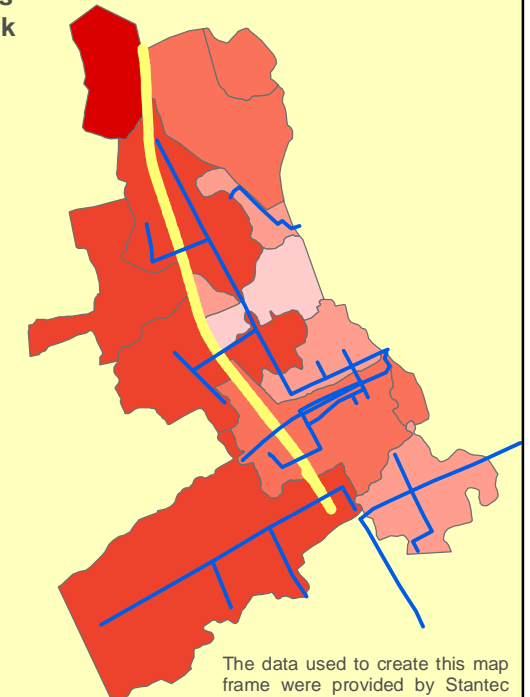
Watershed Elevations and Drainage Network for the Lowline

- Drainage Network
- Lowline

Watersheds Elevation

Mean Elevation

- 5.5 ft
- 5.5 - 8 ft
- 8 - 10 ft
- 10 - 11.5 ft
- 11.5 - 14.5 ft

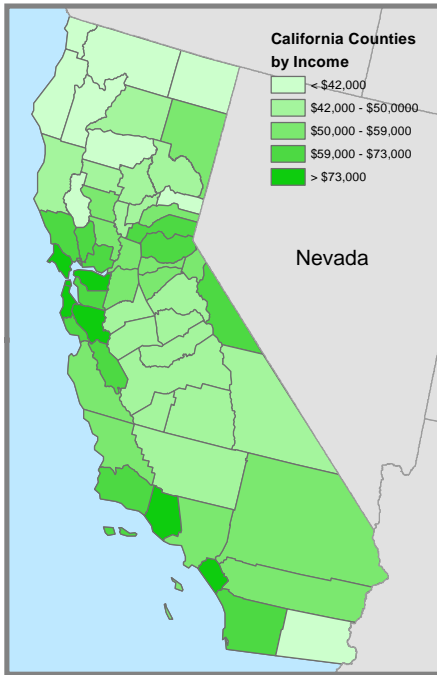


The map frame on the left side of the layout shows the Charleston Peninsula and the different attractions the Lowcountry Lowline is hoping to connect to. These connections are expected to make the Lowline a more attractive destination for tourists and users.

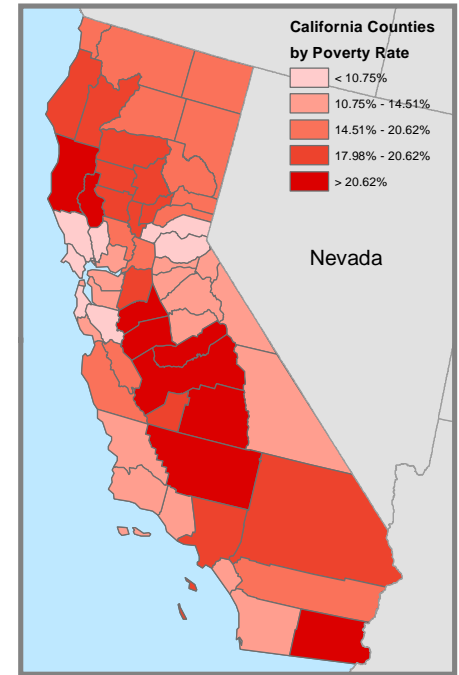
The map frame on the top right side of the layout shows the different watershed delineations in the area of the lowline. The color gradation shows the mean elevation of each watershed which is crucial when designing a stormwater system for the Lowline. The lowline is included on this map for reference.

Factors on California's High School Graduation Rates

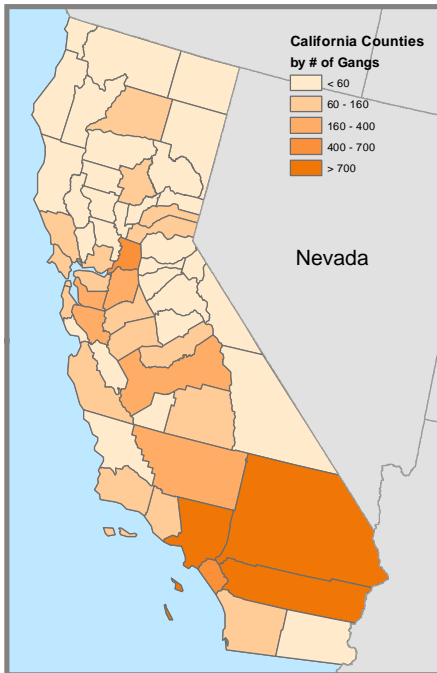
California has an overall 81% high school graduation rate, which is average compared to other states. This map shows the high correlation between average household income, number of gangs, poverty rate, and percent of teenage pregnancies and the overall high school graduation rate by county. Through reviewing these factors and understanding the social dynamics that affect the overall high school graduation rate, California can continue to improve its public school education.



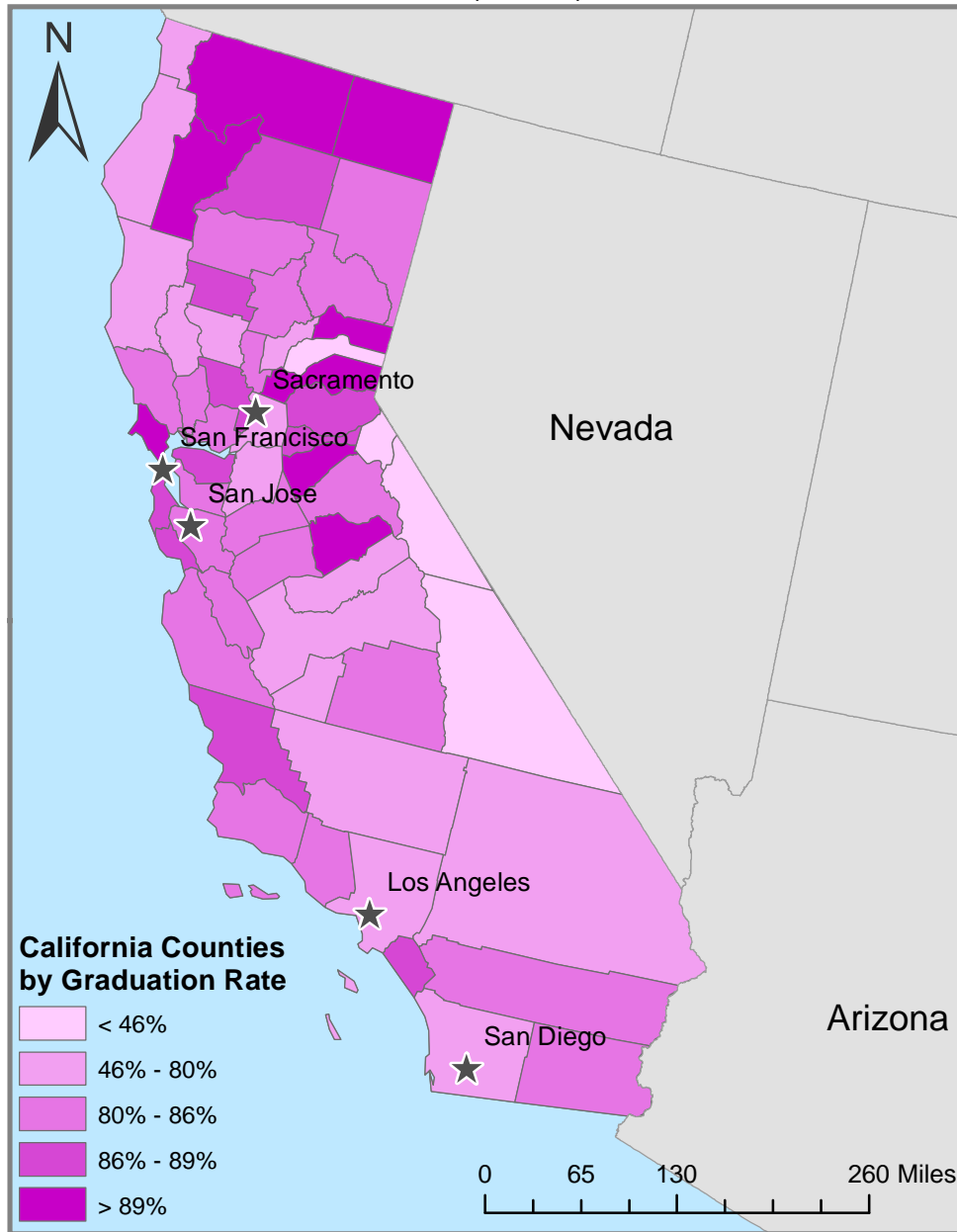
Average Household Income



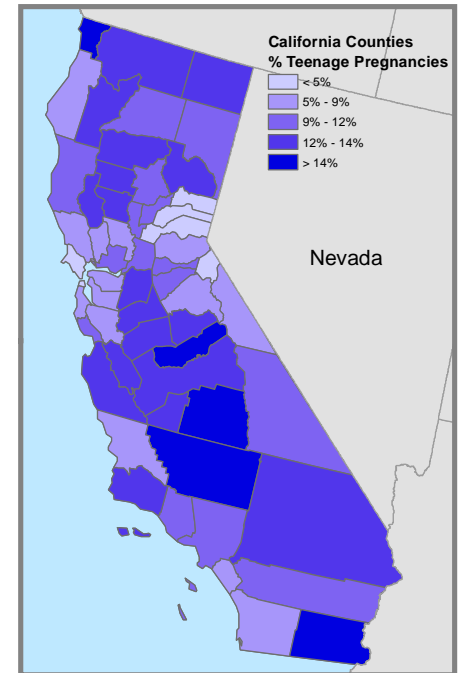
Poverty Rate



Number of Gangs



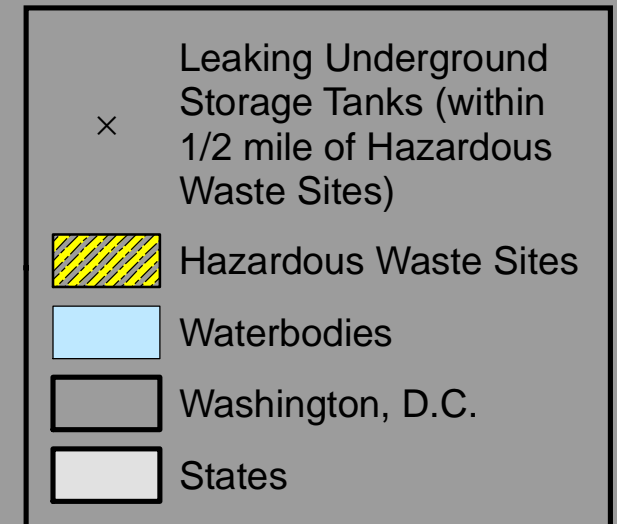
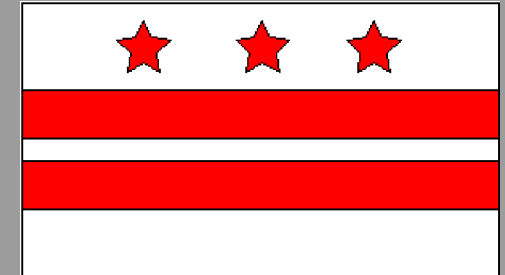
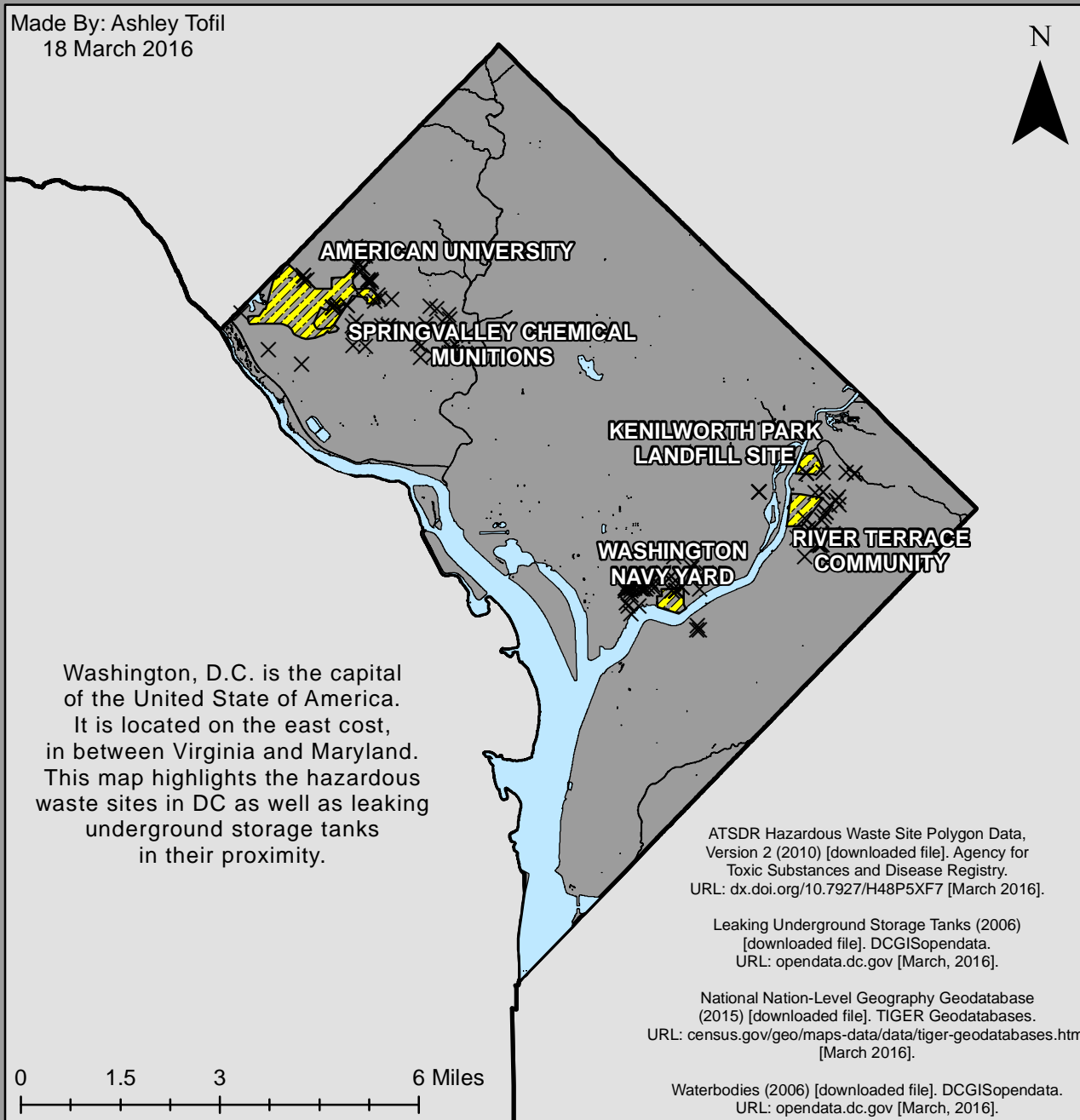
High School Graduation Rate



% Teenage Pregnancies

Washington, D.C.

Made By: Ashley Tofil
18 March 2016



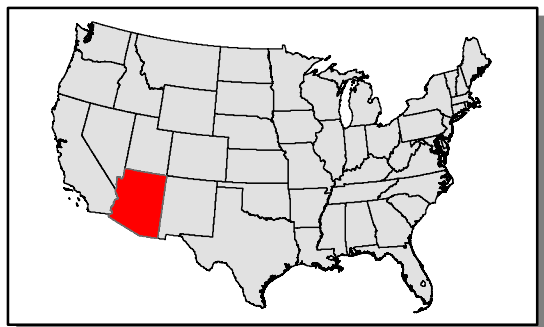
Arizona's National Park Service Units



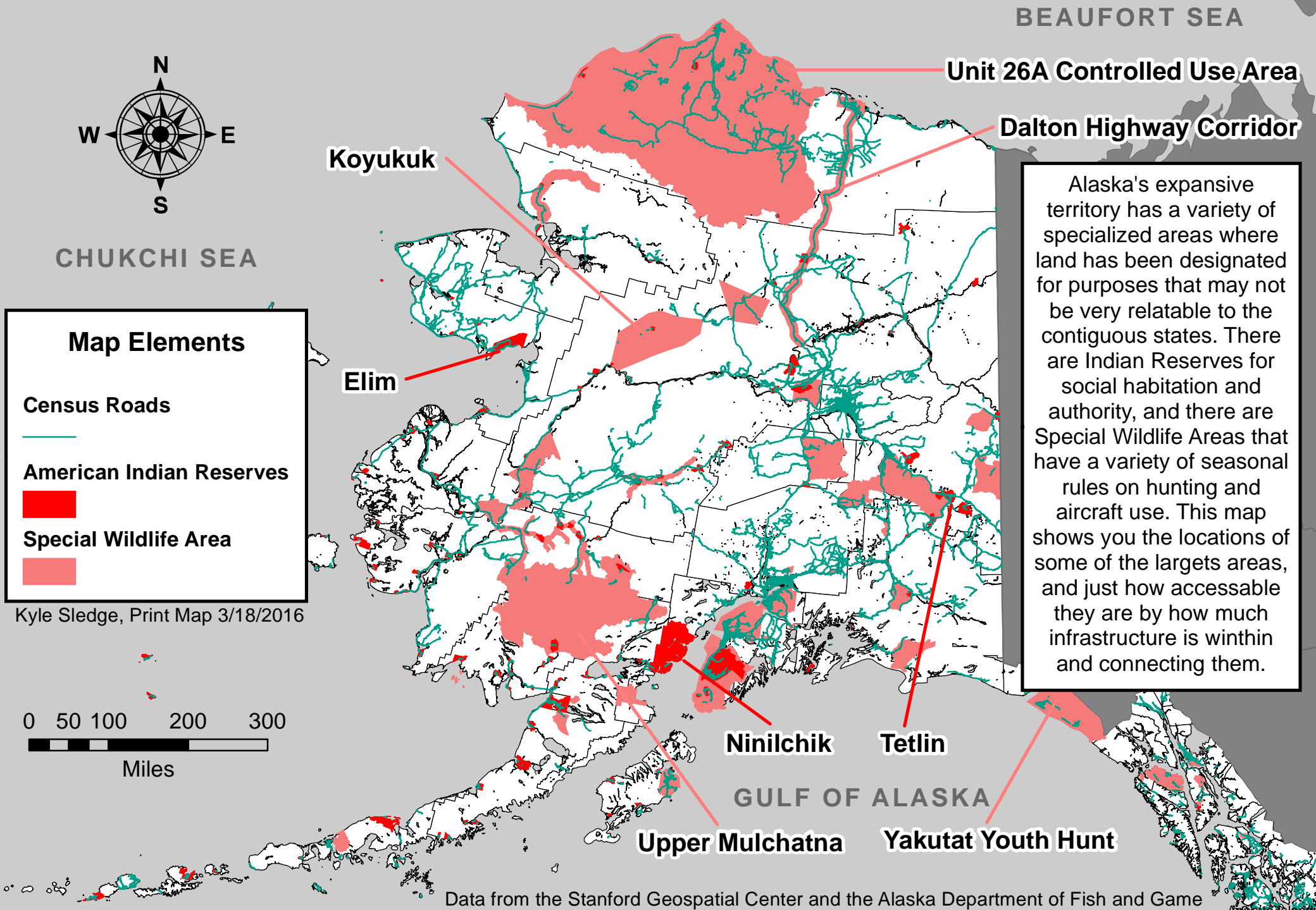
Facts:

- 1 World Heritage Sites
- 10, 747, 219 visitors
- 33 threatened and endangered species
- \$837 millions economic benefit

- ▲ Cities
- ★ Capital
- Major River
- Interstate Highway
- National Parks
- National Monuments
- State Boundary



Alaskan Reservation and Preservation Territories



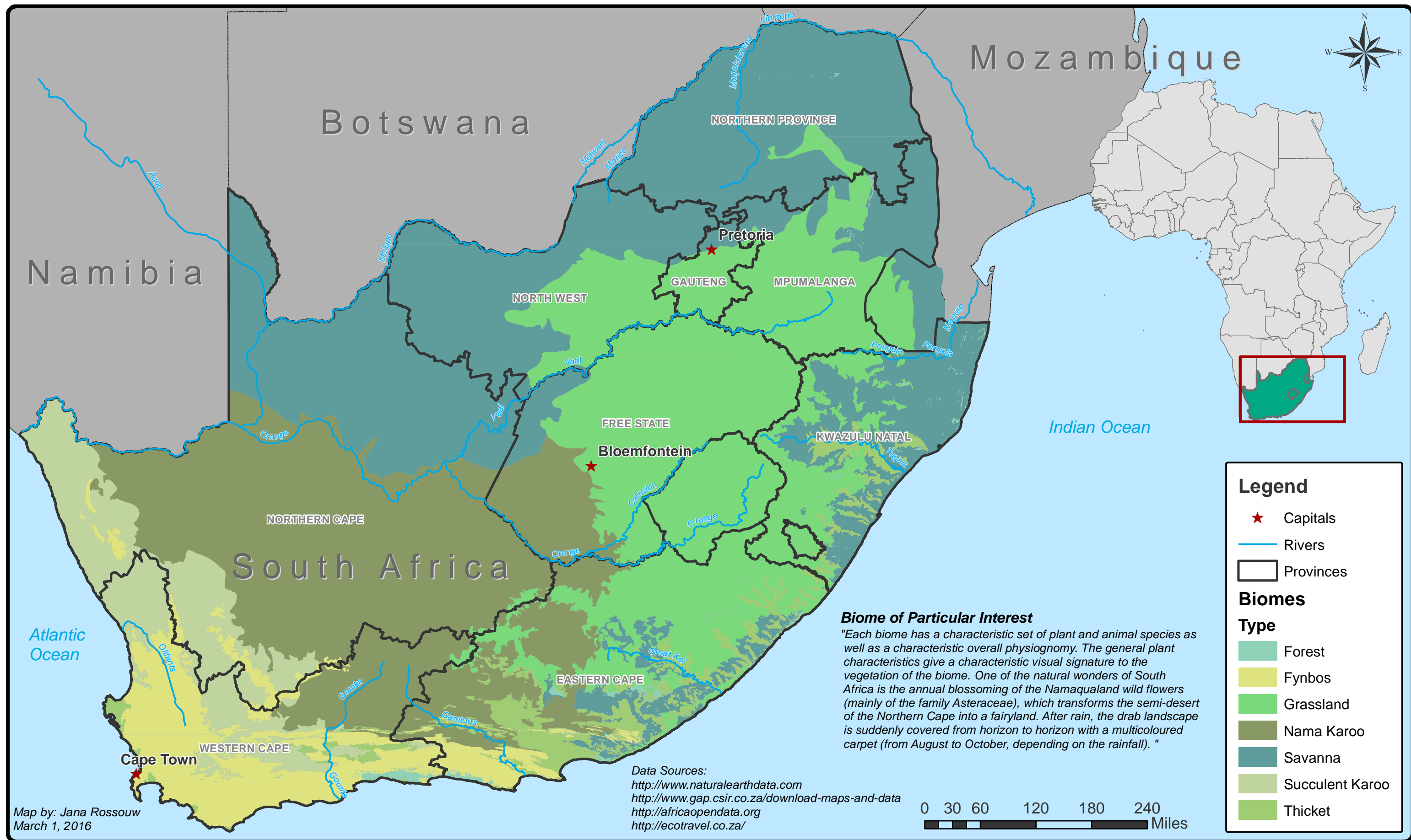
Major Forms of Transportation in Zürich

By: Sofia Awan 3/18/16

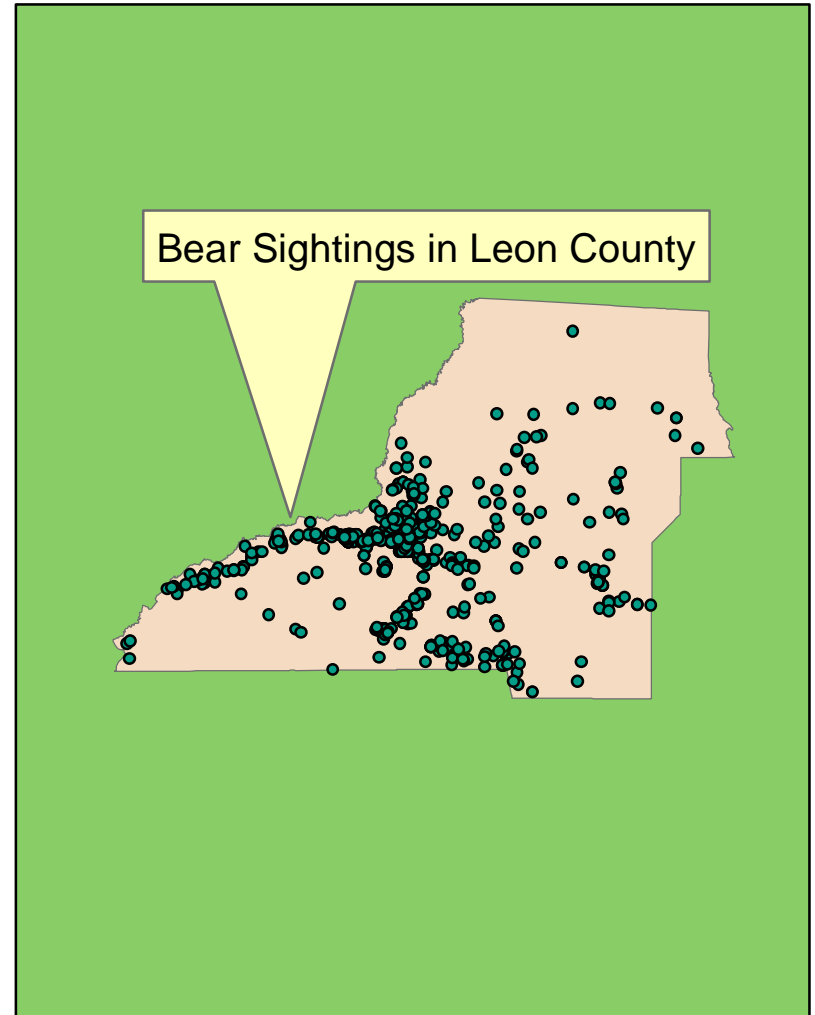
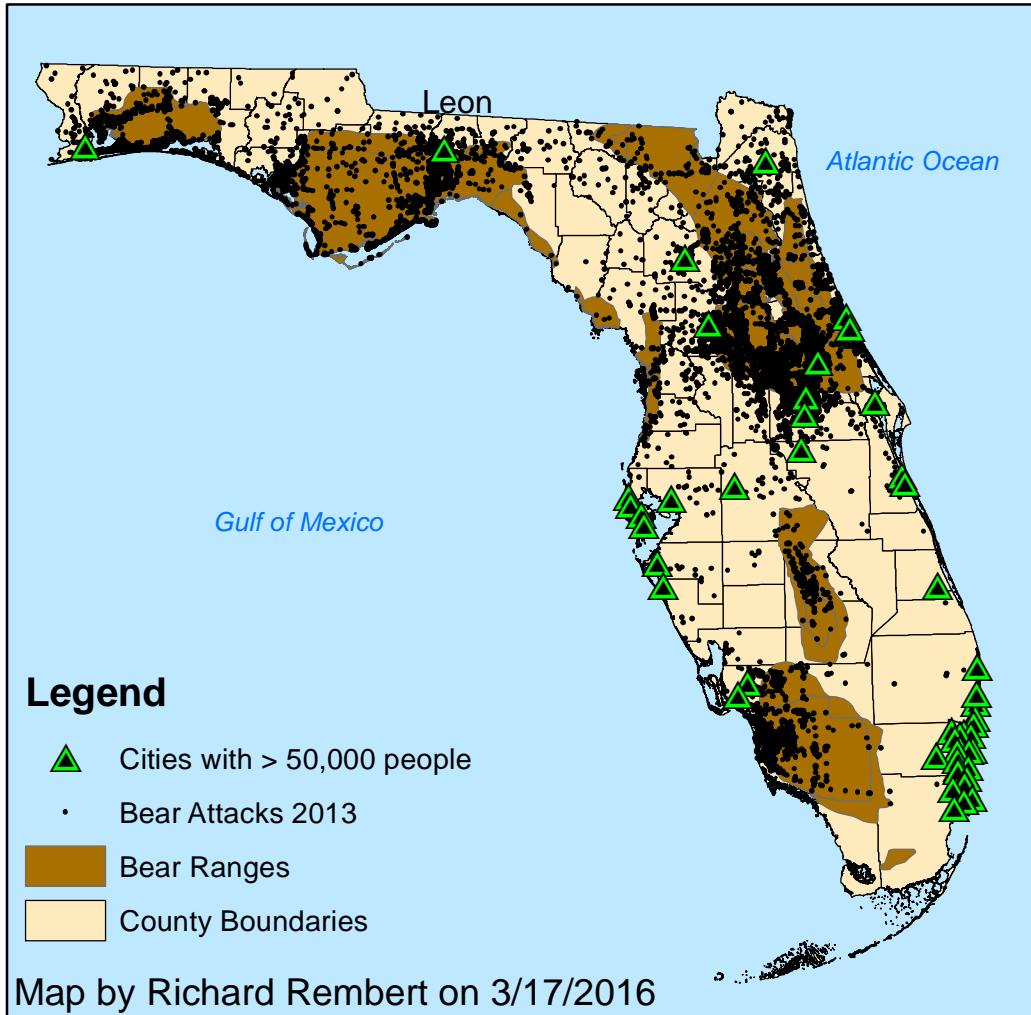
Sources : www.divagis.org/gdata, <http://www.naturalearthdata.com/downloads/10m-cultural-vectors/>



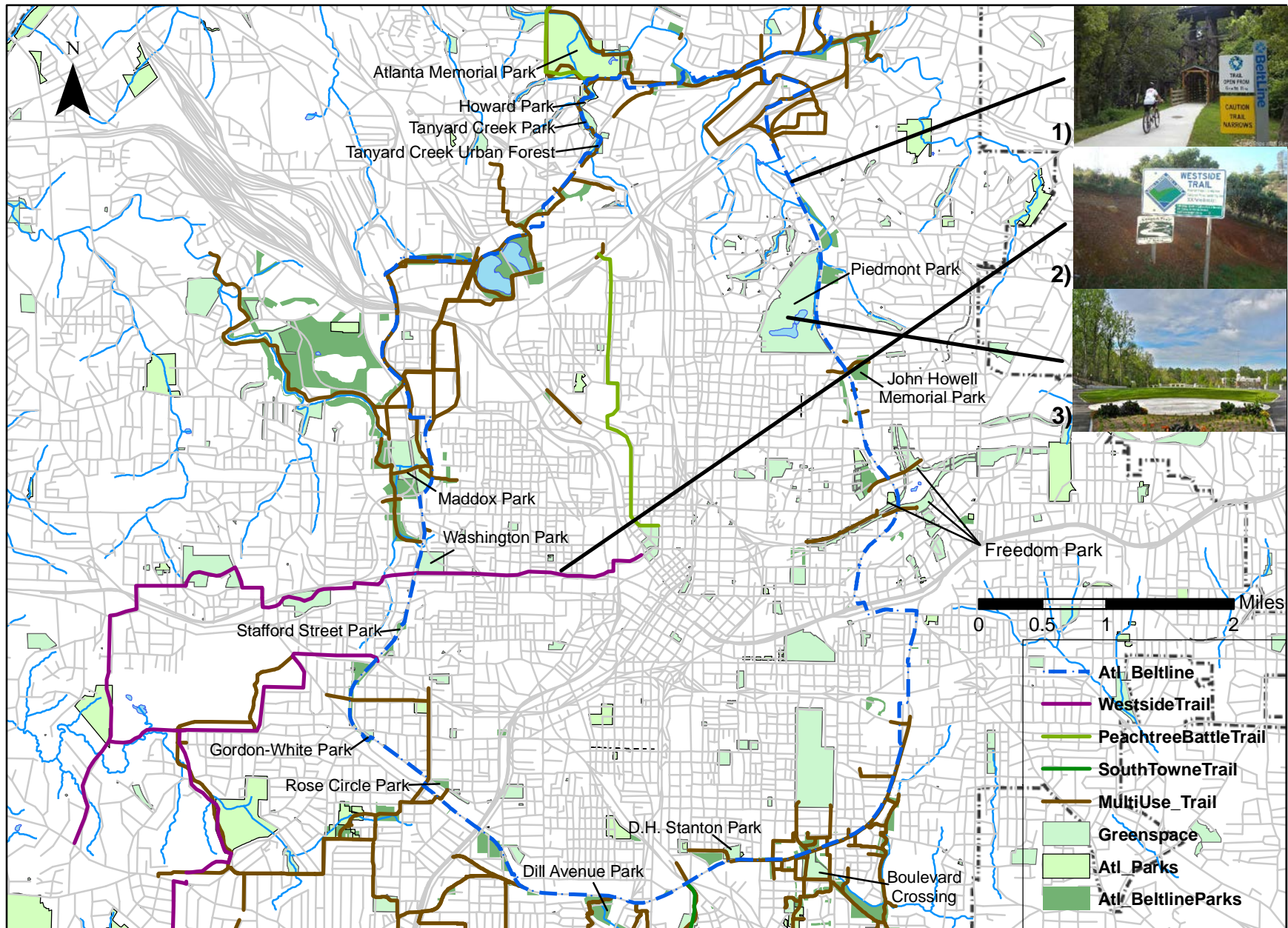
Biomes of South Africa



Bear Sightings in Florida 2013



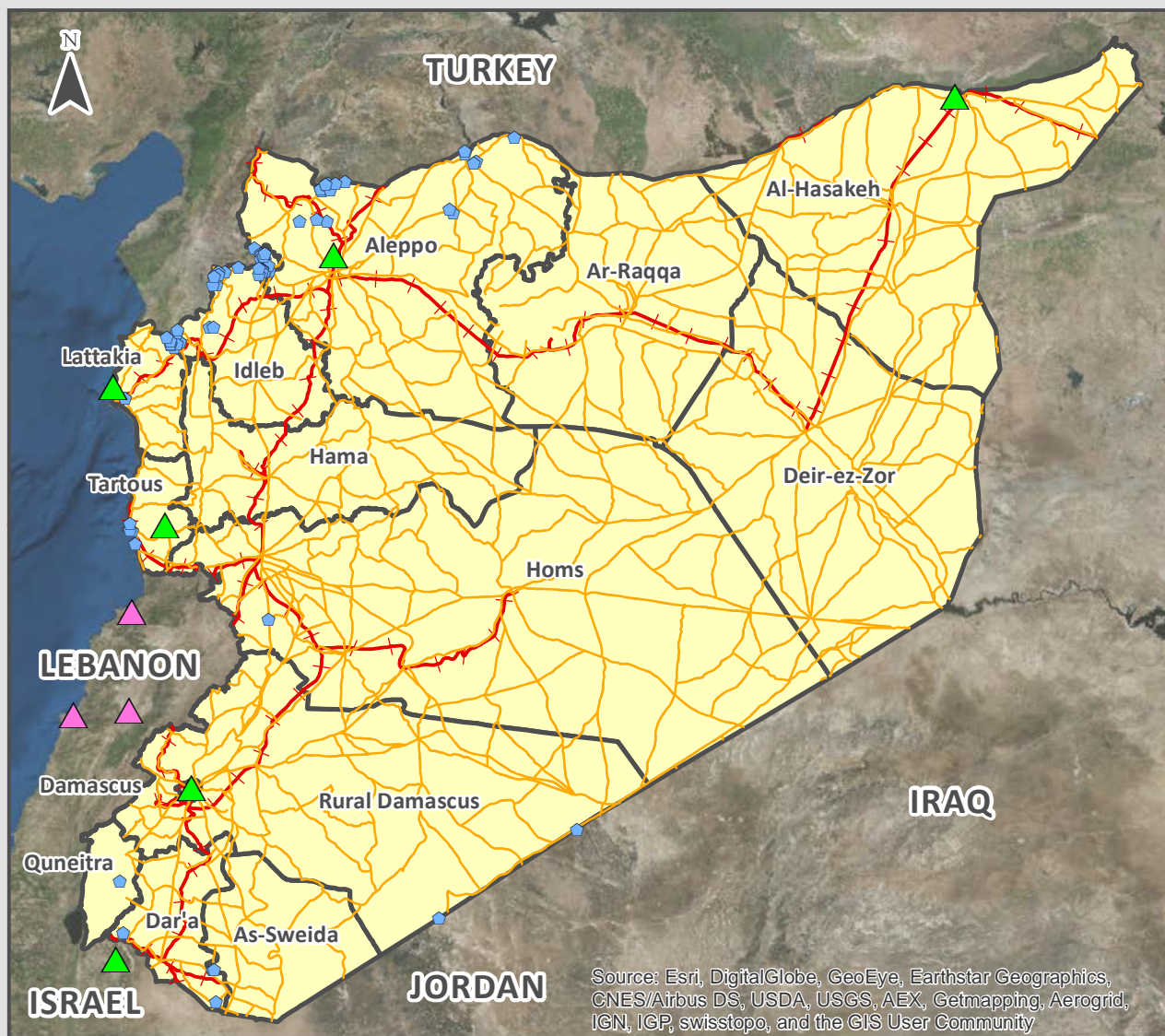
Atlanta Beltline, Trails, and Parks



Syria

by Gabriel Paik - Georgia Institute of Technology - CP 4510 (Prof. Anthony Giarrusso) - 03/16/2016

*IDP: Internally Displaced Person
WFP: World Food Program



Background:

Syria is divided into 14 Governorates. Since March 2011, the US, Russia, the Syrian Government, and different terrorist forces, have been fighting for the control of the different governorates. Conflict incidents such as aerial bombardments, clashes, and shellings, have caused people in Syria to be displaced (Approximately 6.5 million IDPs* since the beginning of the war). These IDPs are in constant need of aid as they are displaced from their home communities.

This map serves as a visual representation of Syria. The purpose of this map is to assist IDPs to reach a destination where food and aid is provided (IDPSites).

Explanation:

From the location of the IDP Camps, it is clear that most IDPs are moving out of Syria (most of them moving to Turkey). However, most of the IDPs cannot cross the Syrian border and therefore establish these IDP Camps.

Organizations such as the WFP have strategically located warehouses near these camps to provide them with food and aid. In addition, since aid have to travel not only between warehouses, but also across Syria, the WFP ensured that this facilities are close to railroads. Clearly seen in the map, these railroads provide an efficient transportation method that cover the whole country.



0 15 30 60 Miles

IDP Sites

WFP Warehouses Status

- ▲ Operational
- ▲ Planned

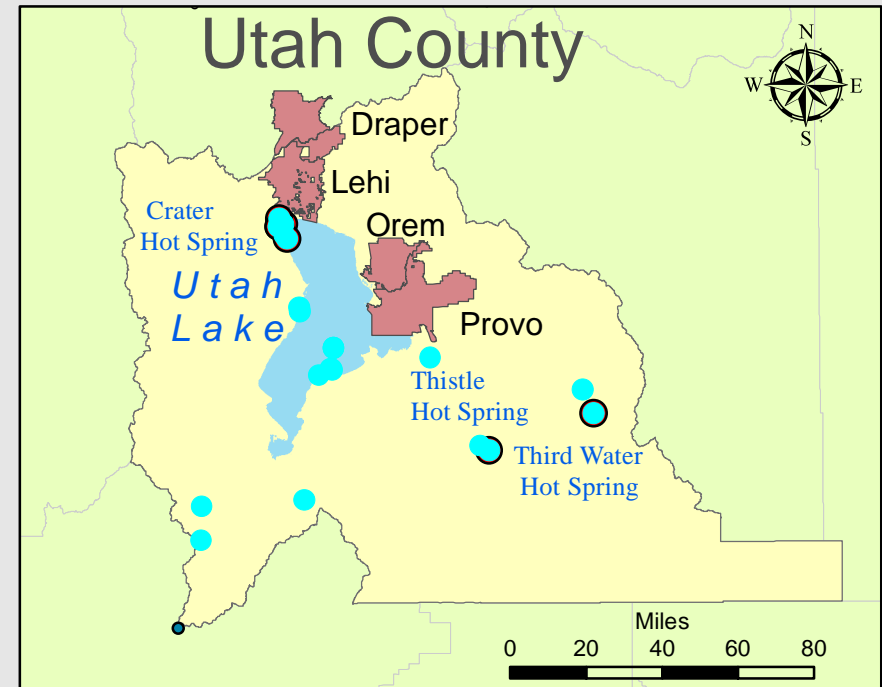
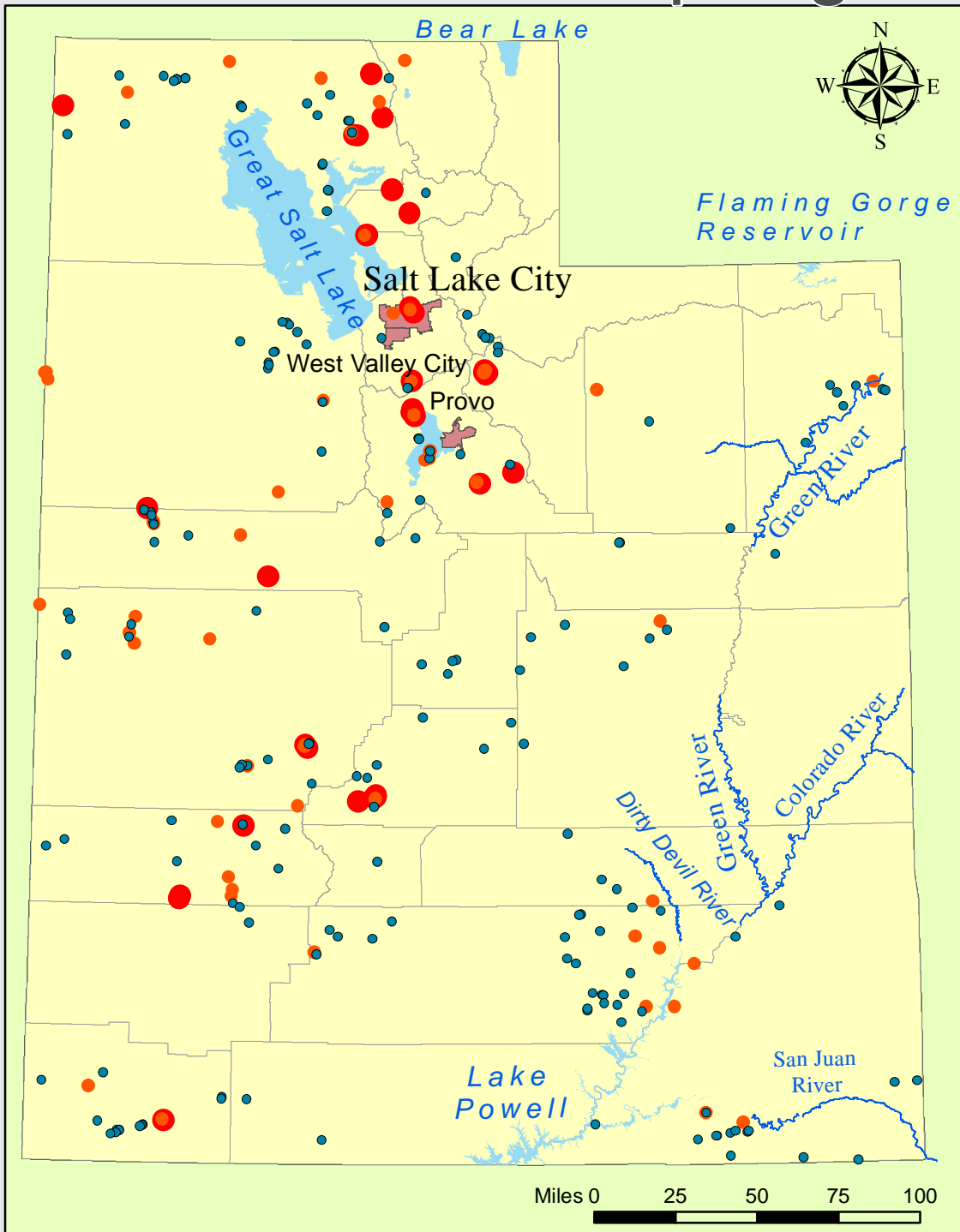
Roads

Railroads

Syria Governorates

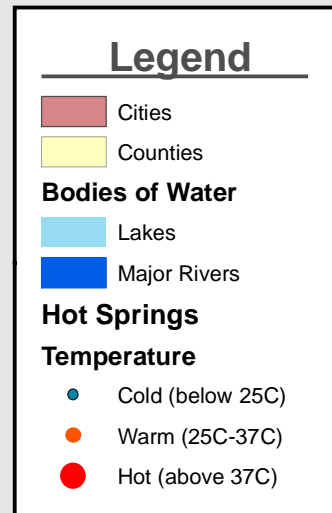
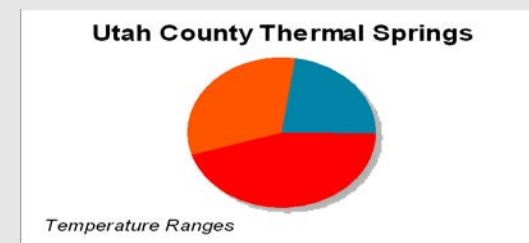
Deir ez Zor Syria Lambert Coordinate System
Syria Governorates: <https://data.hdx.rwllabs.org/>
WFP Warehouses: <http://geonode.wfp.org/>
Road: DIVA-GIS
Railroads: DIVA-GIS
IDP Sites: <https://data.hdx.rwllabs.org/>

Thermal Springs in Utah



Thermal Springs can be found throughout the State of Utah ranging from a cool 19°C all the way up to 93°C. The lakes and rivers with the largest area are shown. The top three most populated cities in Utah are shown on the left. The top four most populated cities in Utah County are shown above. The three hottest thermal springs in Utah County are labeled above.

Utah County Thermal Springs	
Name	Temperature
Third Water Hot Spring	55.5°C
Thistle Hot Spring	50°C
Crater Hot Spring	43.3°C



American Revolution Road Trip

Samuel Norris CP 4510 Print Map 1
18 March 2016

An route covering approximately 1,600 miles of interstate will take you within 10 miles of 52 different battlefields.



Battlefields

- Not on Trip Route
- Within 10 Miles of Route
- Highlighted Battles

Interstates (In Former Colonies)

- Other Interstates
- Trip Route
- Rivers
- 13 Colonies
- Modern State Boundaries



Trenton: Washington crosses the Delaware prior to attacking



Yorktown: The British surrender to Continental forces

Guilford Court House: My ancestor David Caldwell was influential in this period in North Carolina

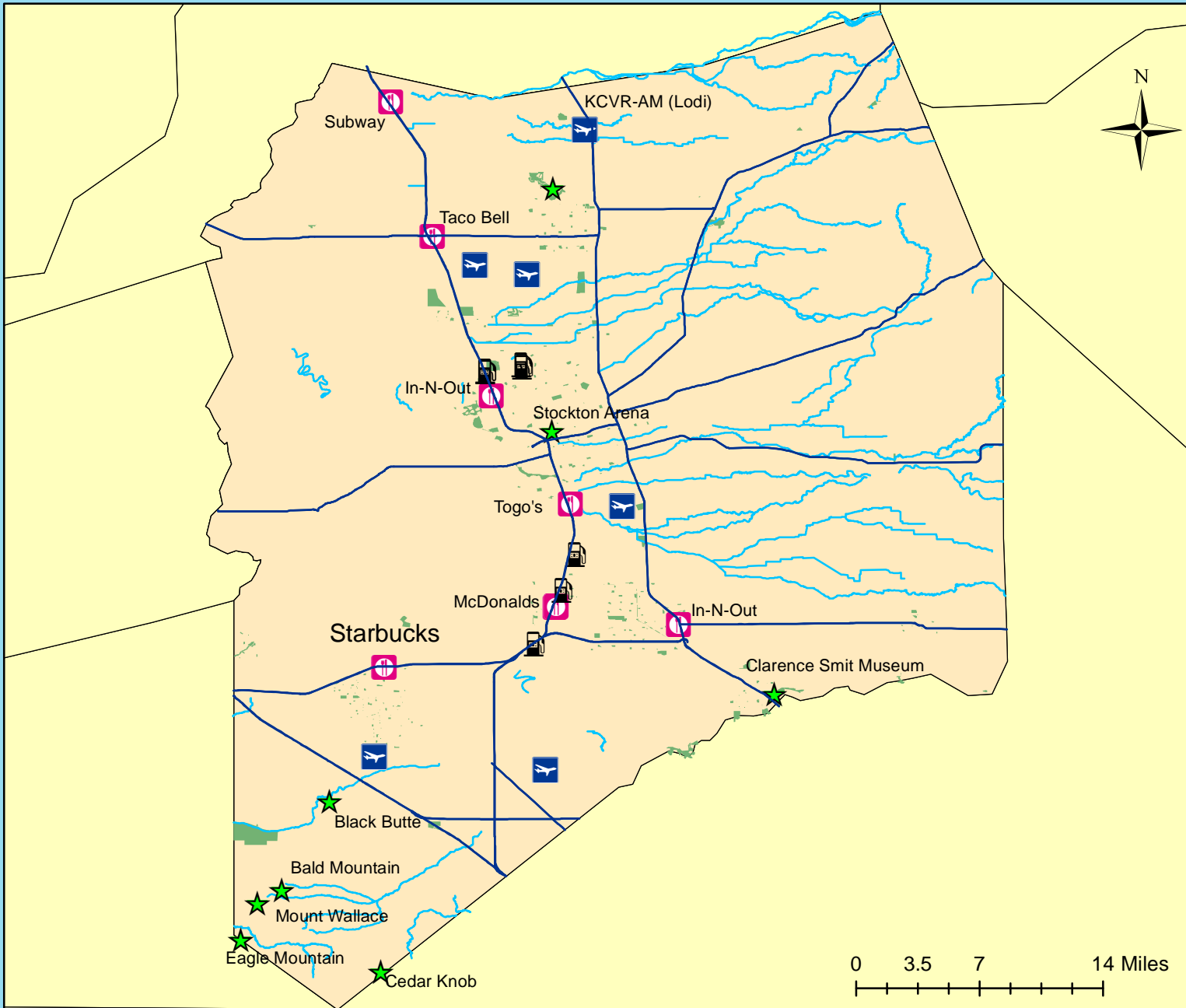


Sources of Data: US Census Bureau, Federal Highway Administration, Donna Shiflett (via the ArcGIS site and other sources, including the ESRI layer for rivers)
Sources of Information: History.com (History Channel site), NCPedia, Learn NC, ArcMap Basemap

The East Coast is dotted with historic battlefields from the American Revolution. The map above shows a possible road trip to take travelers to over 50 such sites, several of which are highlighted. The Battle of Guilford Court House, in North Carolina, was won by the British, but at great cost. My ancestor David Caldwell was in the area at that time and is referred to in one source as simply an advocate of the Revolution and in another as part of a North Carolina militia. At the Battle of Yorktown, in Virginia, American and French forces defeated British General Cornwallis in the most decisive battle of the war. Finally, at the Battle of Trenton, in New Jersey, General Washington led the Continental Army across the Delaware River to attack the Hessians at Trenton. They were victorious there and in a subsequent battle at Princeton.

Touring San Joaquin

Map by Francis Nguyen
Sources: San Joaquin County Government



Formed in 1850, San Joaquin was one of the original counties of California. San Joaquin was initially developed for agriculture, but gained popularity when miners arrived to participate in the Gold Rush. As of 2010, San Joaquin is home to over 600,000 residents. Attractions in San Joaquin include various mountain trails such as Bald Mountain and Eagle Mountain. The premier stadium in San Joaquin is Stockton Arena, seating over 12,000 fans.

This map is created to aid visitors traveling to or through San Joaquin in their journey. Whether it be a simple pit stop or a complete vacation, San Joaquin has fun and interesting sites for all of its visitors.

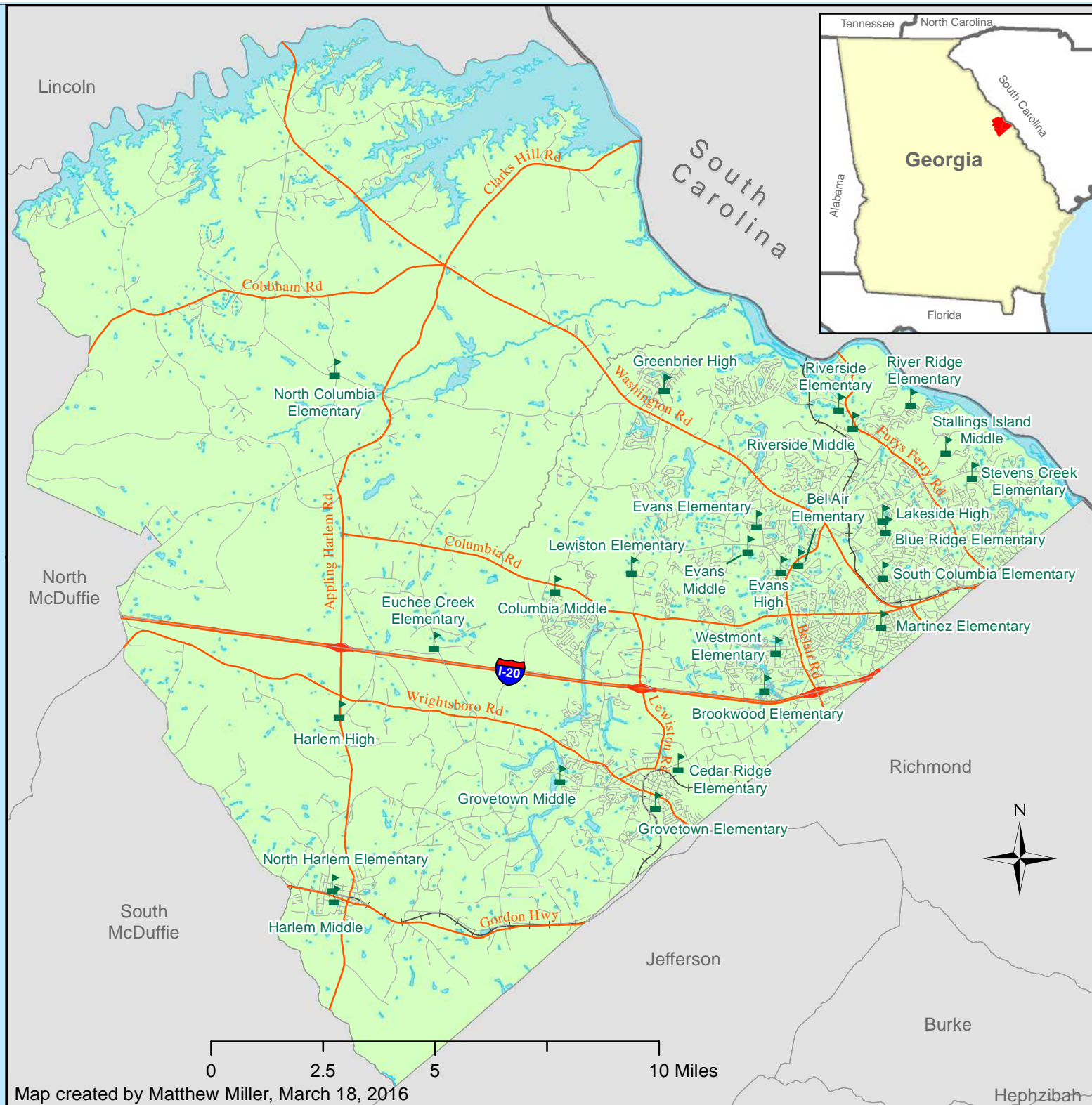
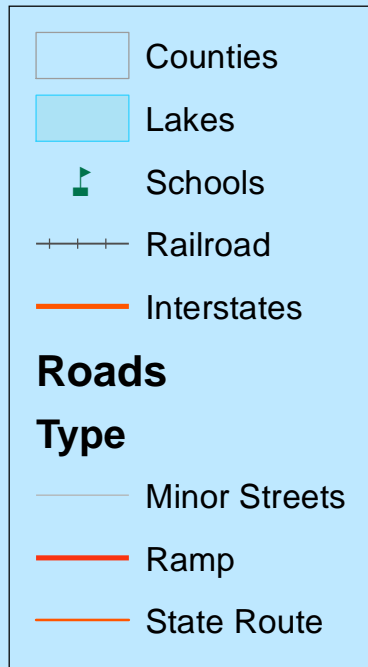


Legend

- Tourist Sites
- Major Gas Stations
- Popular Restaurants
- Airports
- Rivers
- Highways
- Parks

Columbia County

This map shows the general layout of Columbia County, Georgia with major roads and schools labeled. Road, interstate, rail, and school data is taken from Georgia GIS Clearinghouse. State and county boundary data belong to census.gov and data.gov respectively.



Map created by Matthew Miller, March 18, 2016

Georgia's Water System



Dams Public Federal Georgia Power Other Rivers River Basins Georgia State Boundary

By David Mckenney
3/11/2016



The State of Georgia contains 44 dams which has a mean storage above 5000 cubic feet of water, The longest river within The state of Georgia is the Flint/Chattahoochee which combine for around 774 miles long.

South Carolina

Georgia

Florida

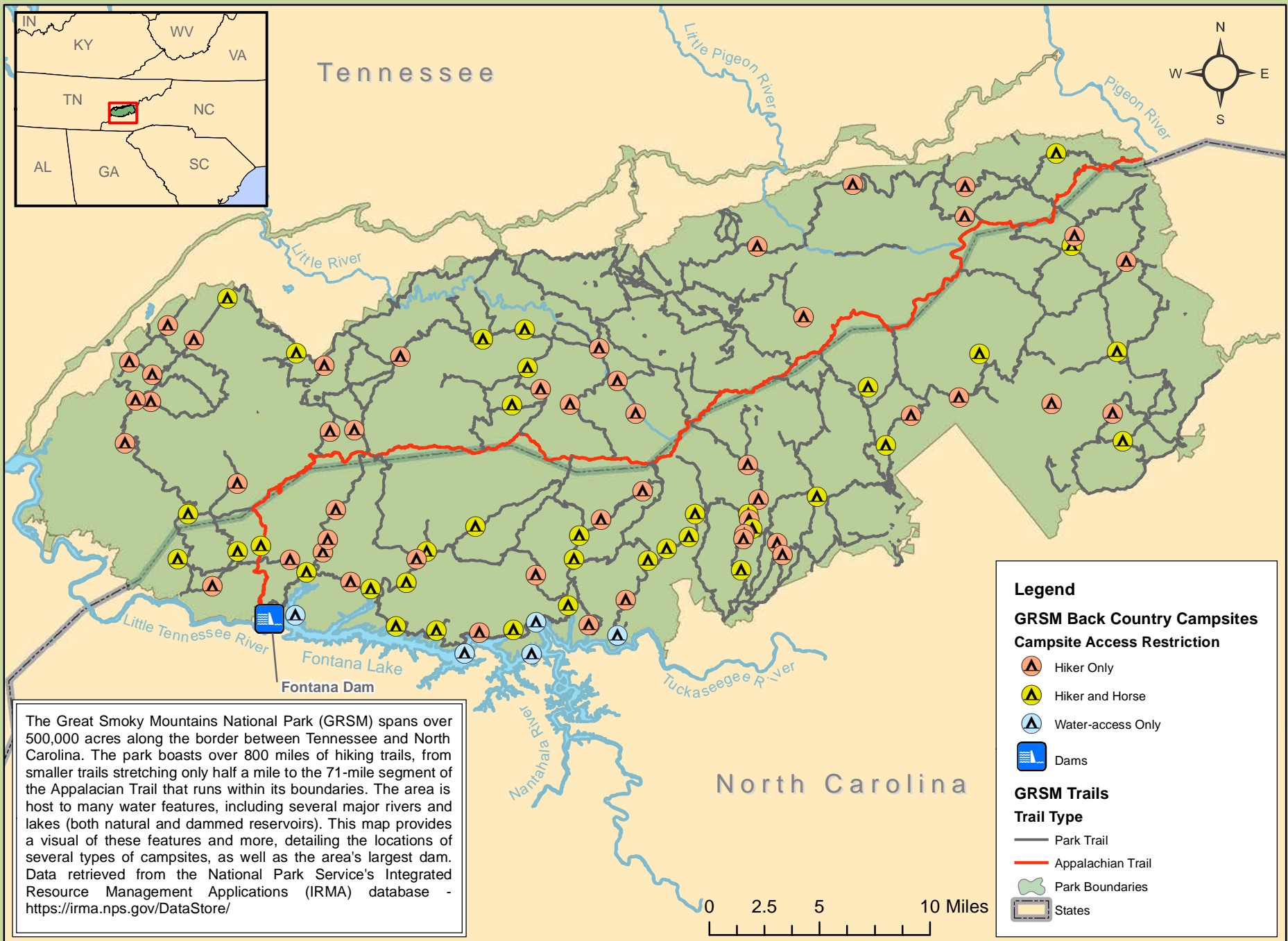
Data Source: The Atlanta Regional Commission, USGS

0 50 100 Miles

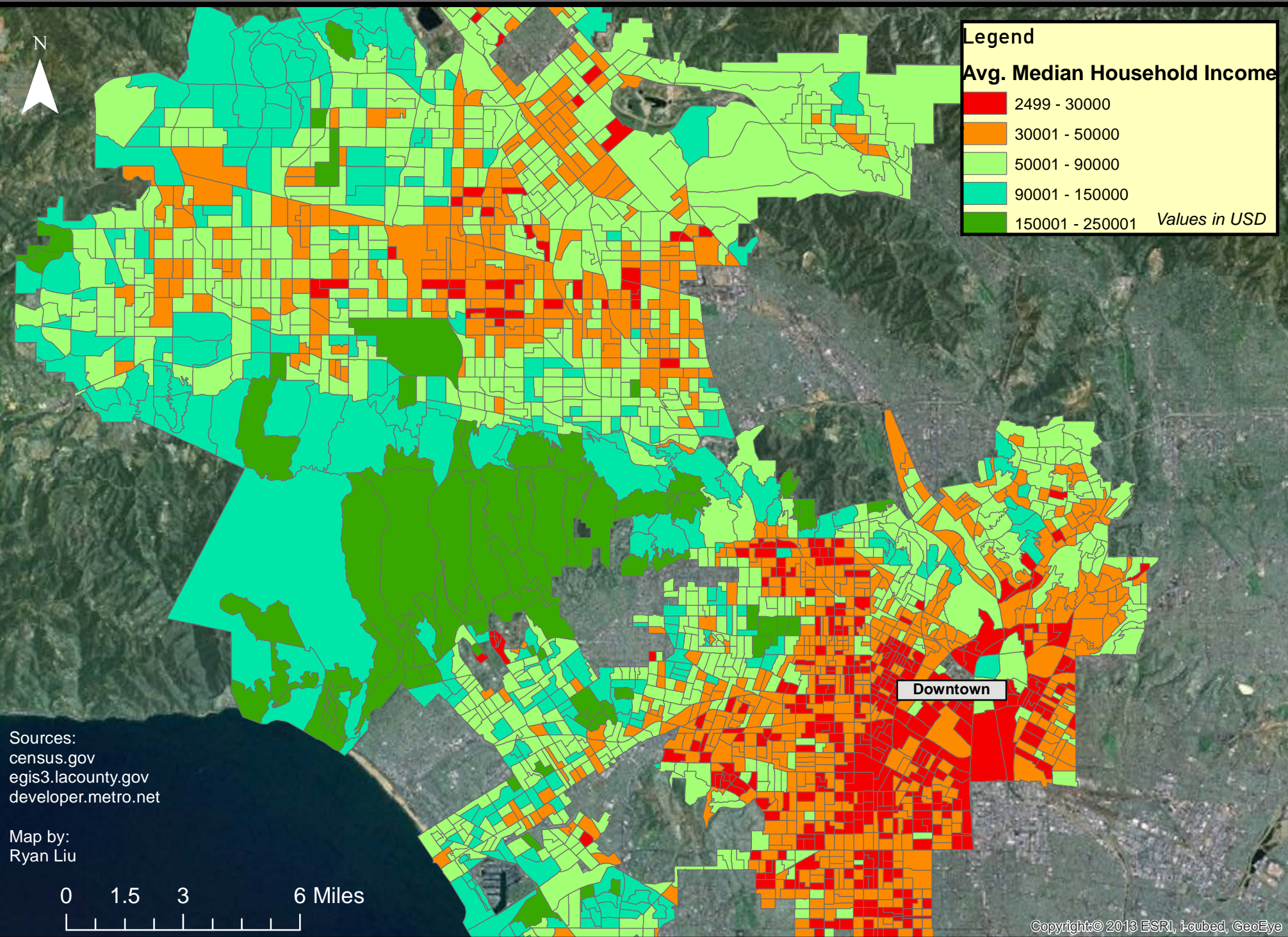
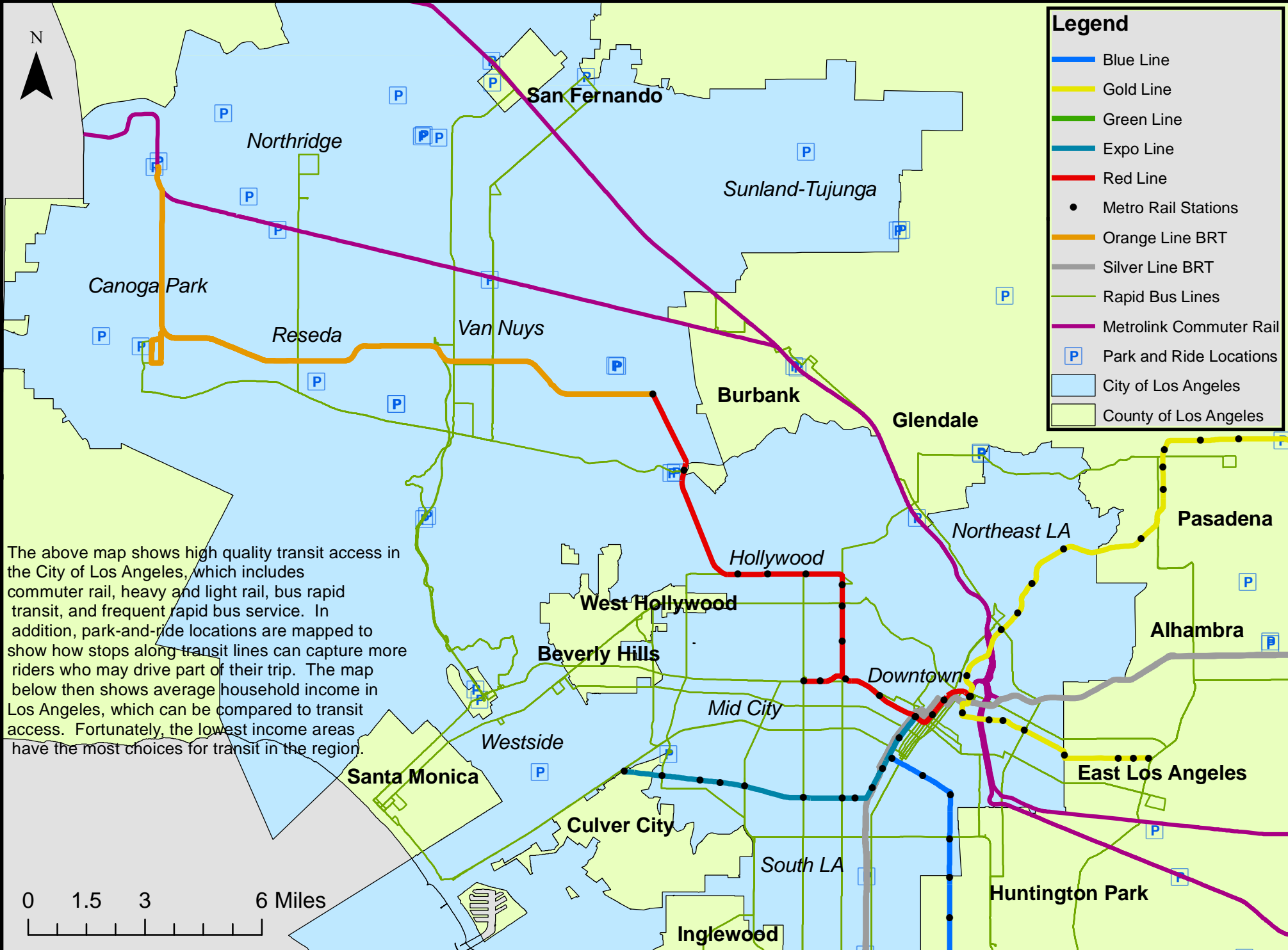


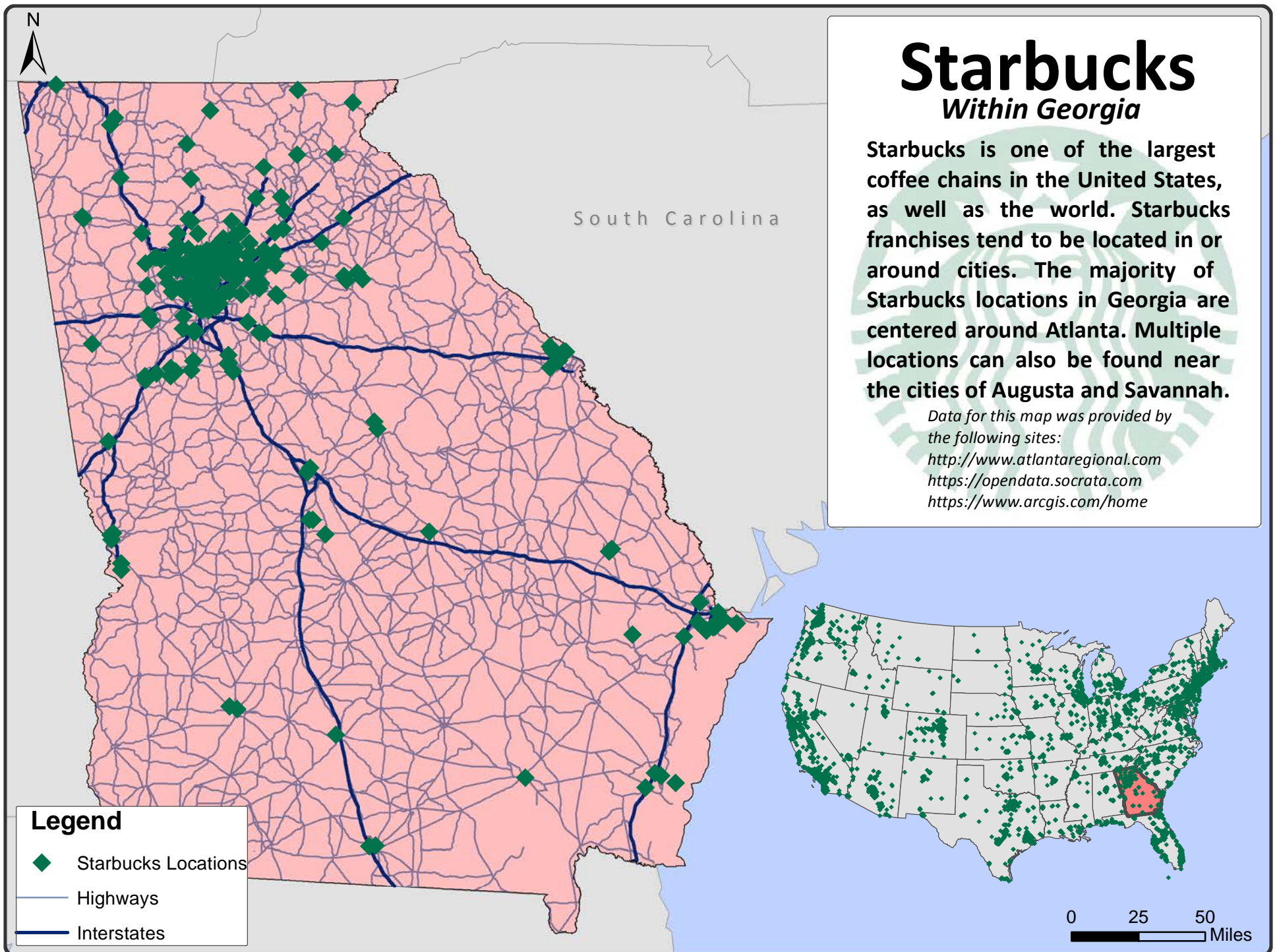
GREAT SMOKY MOUNTAINS NATIONAL PARK

Trail and Campsite Map



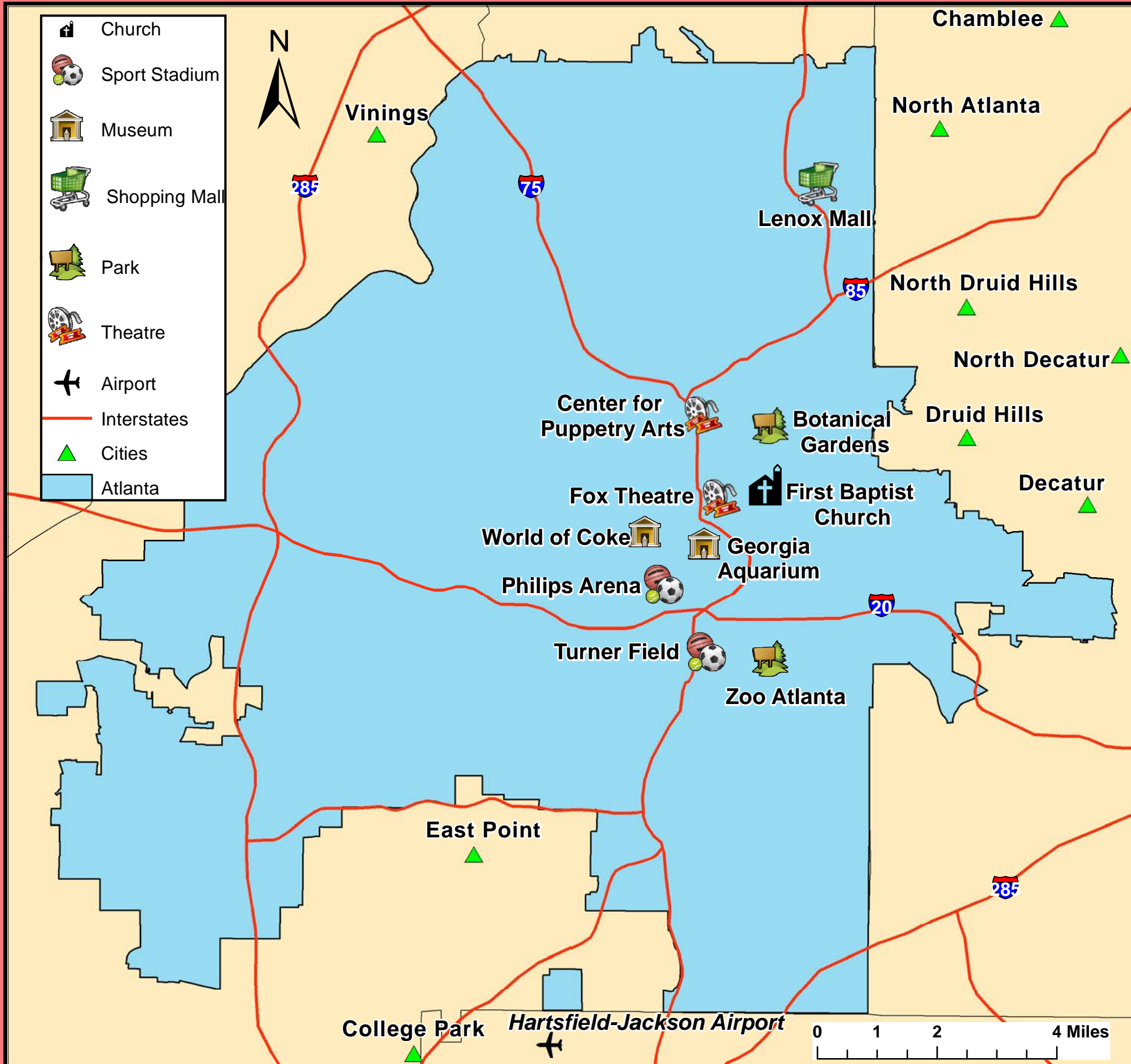
Los Angeles County Transit Access and Income







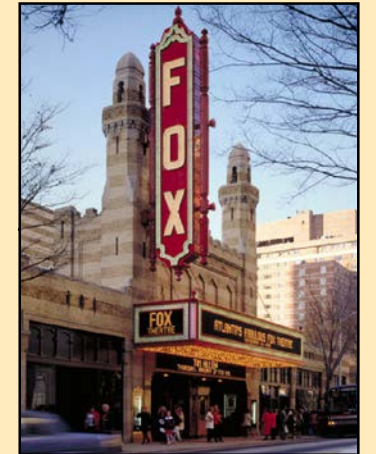
Atlanta: Most Popular Attractions



Georgia Aquarium

The Georgia Aquarium houses tens of hundreds of fish, representing several thousands of species, all of which reside in 10 millions gallons of marine and salt water. It is the largest aquarium in the Western Hemisphere and the second largest in the world. The aquarium sells an average of 10,000 tickets/day.

Source: Wikipedia



Fox theatre

The Fox Theatre is a performing arts venue that hosts a variety of cultural and artistic events such as the Atlanta Ballet and Broadway shows.



City of Atlanta

Population: 447,841
Area: 134 Sq. Mi
Average Age: 31

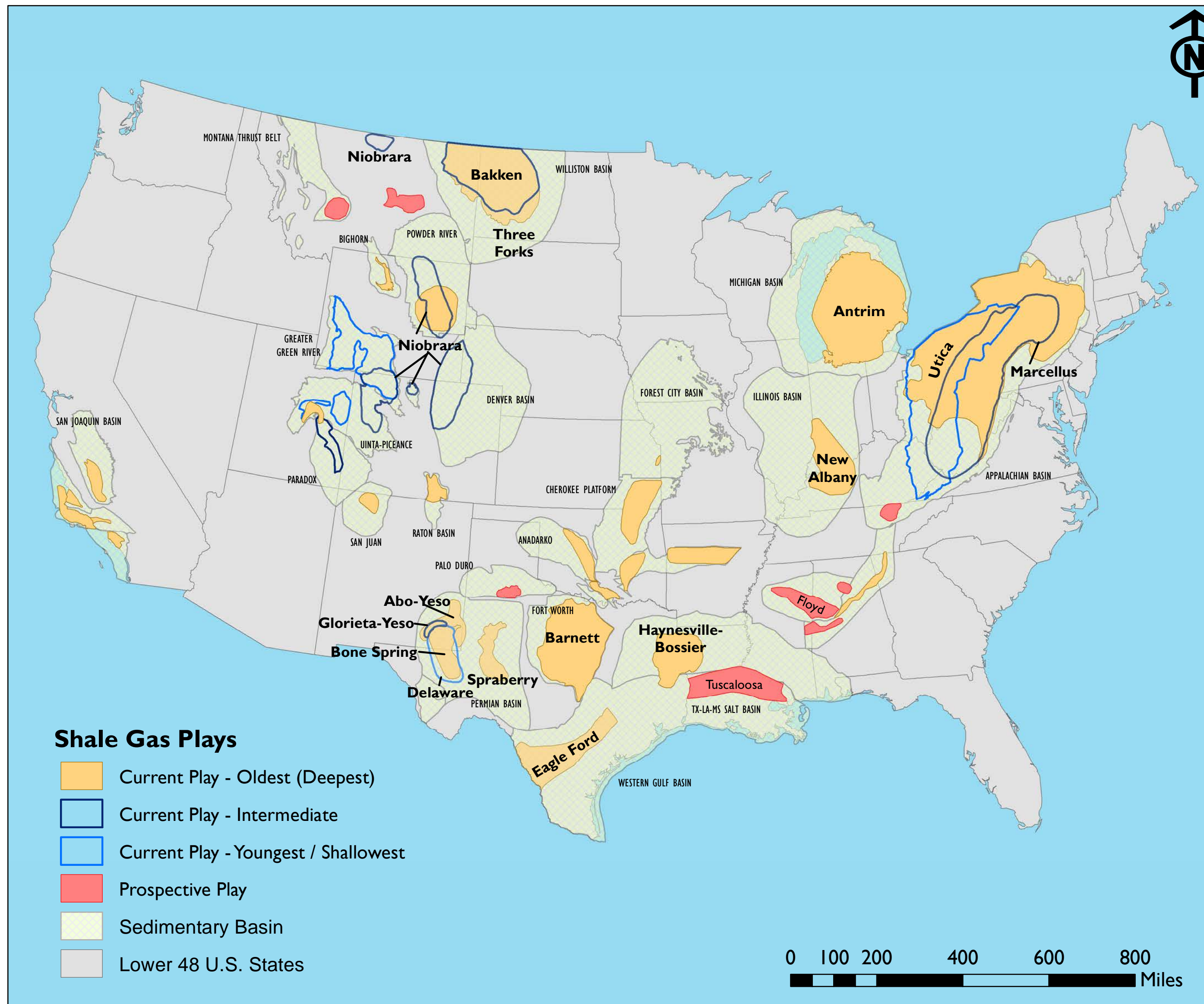
0 45 90 180 Miles

Source: Wikipedia

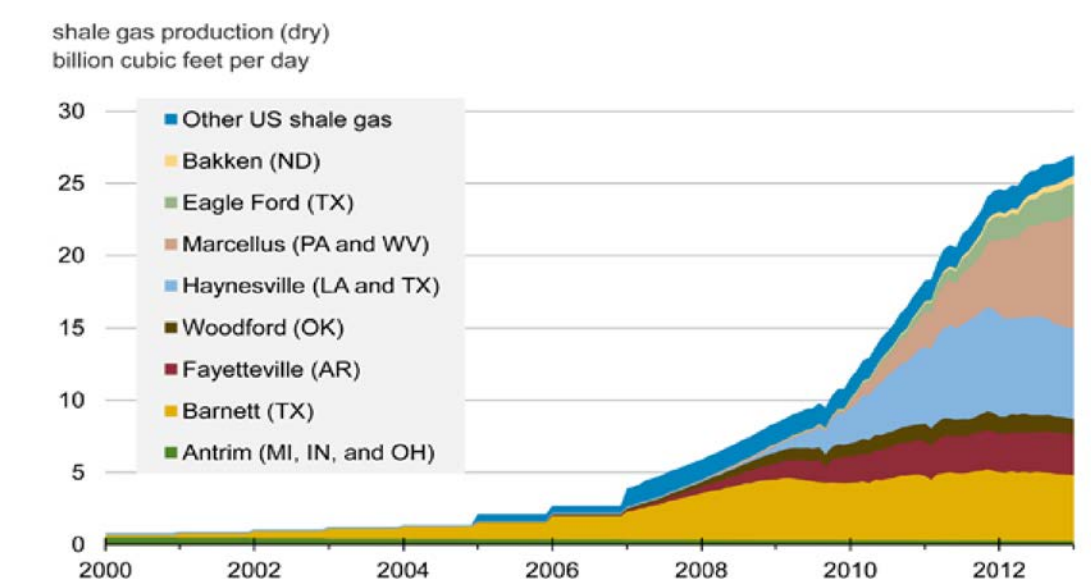
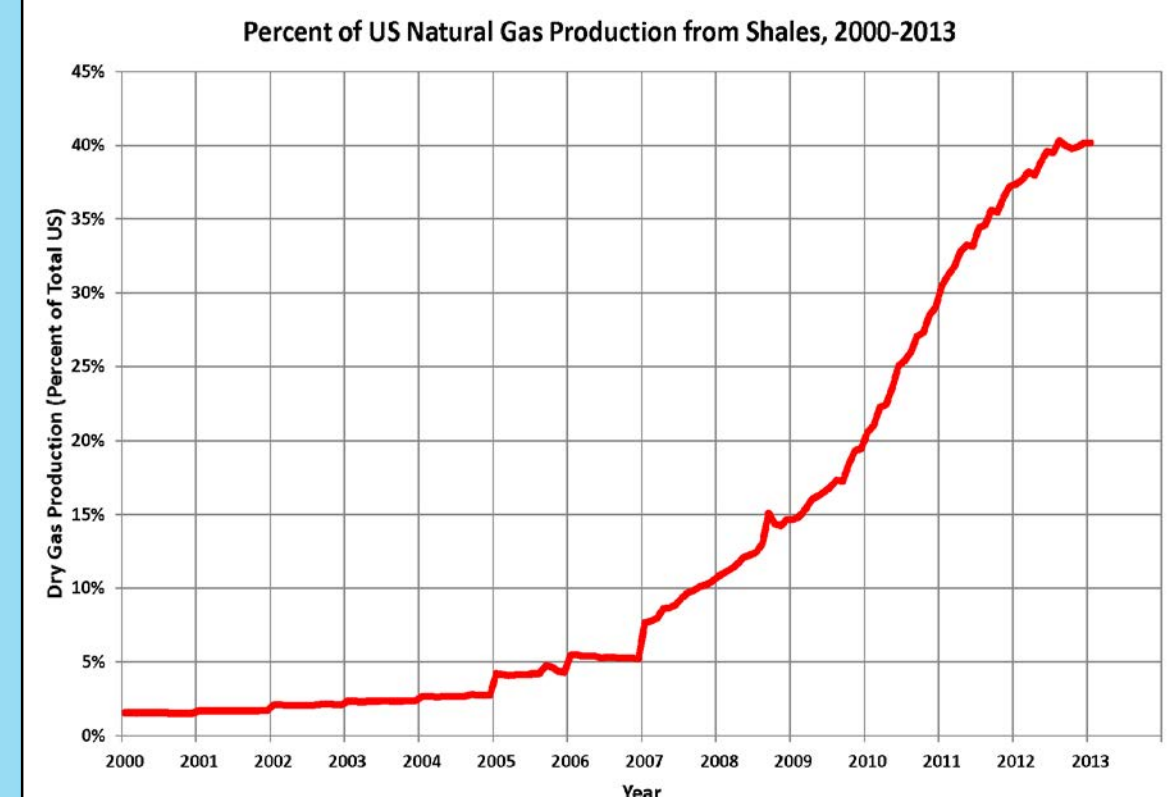
The Shale Oil Revolution

Shale Plays in the United States Lower 48 States

Created by Wil Hergenrader
March 18, 2016



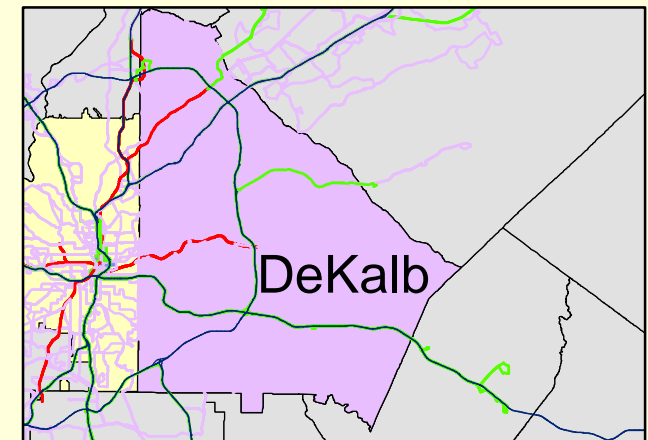
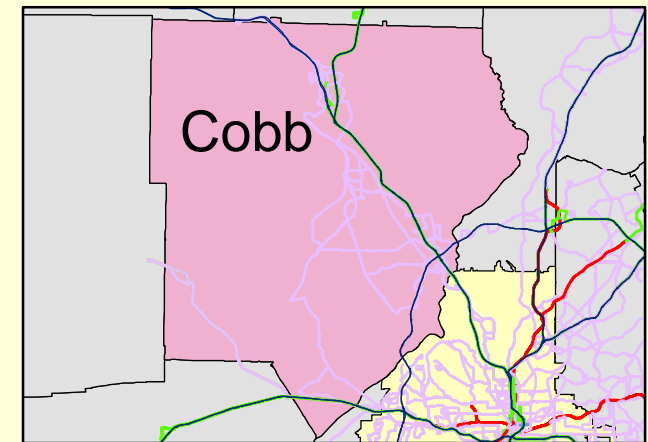
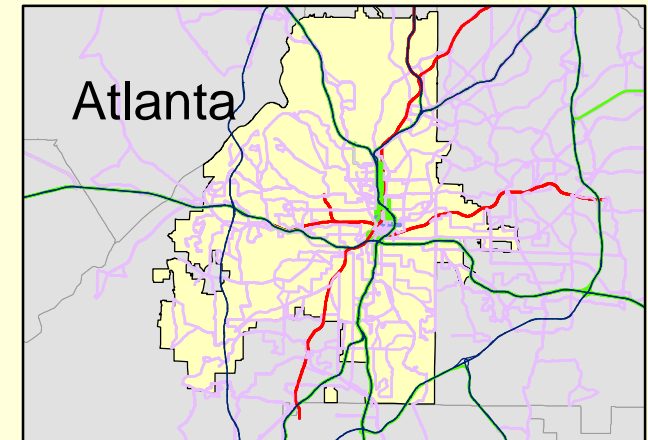
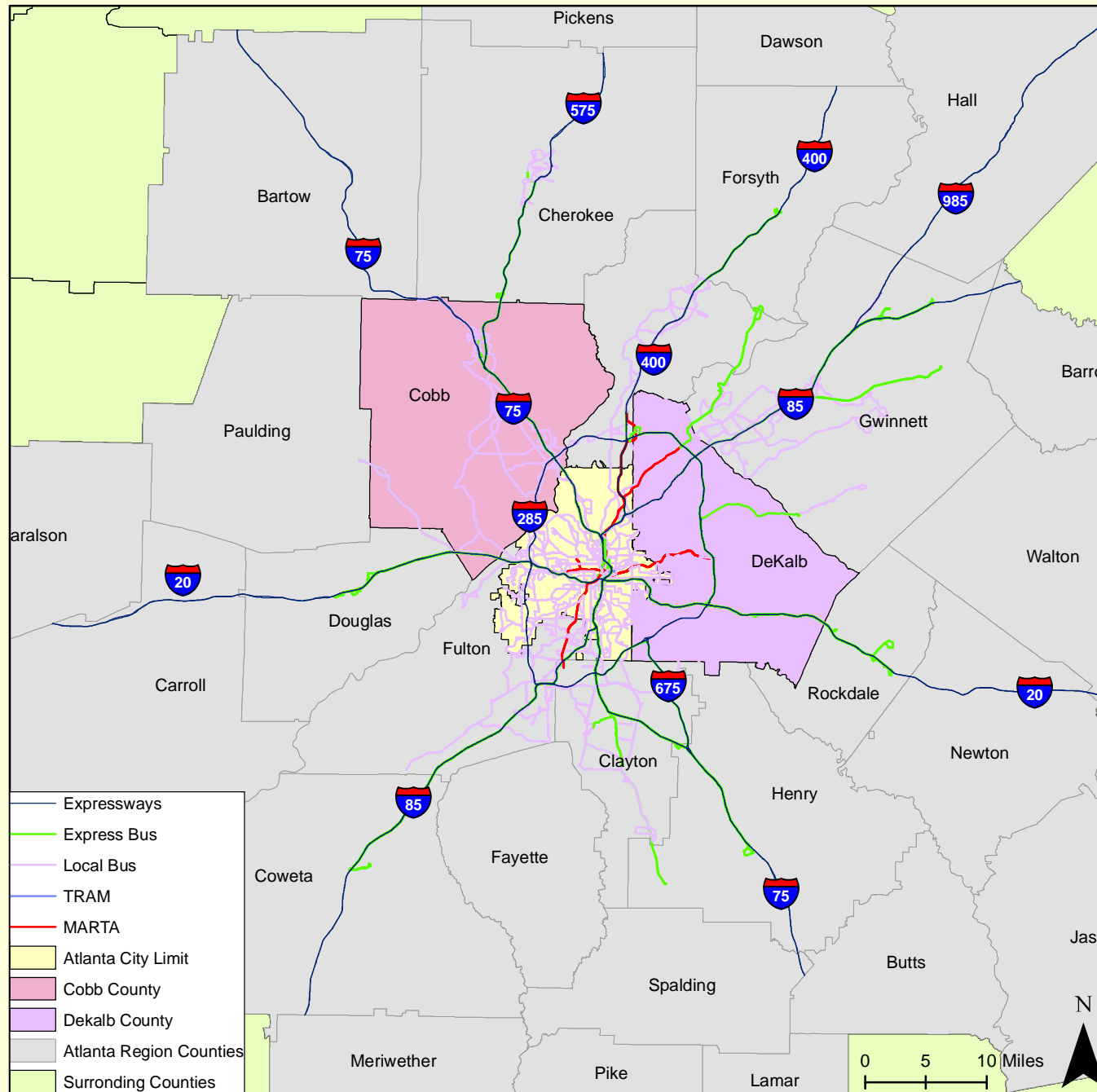
Shale gas in the United States is rapidly increasing as an available source of natural gas. Led by emerging technologies, such as hydraulic fracturing and horizontal drilling, shale gas has offset declines in production from conventional gas reservoirs, allowing the US to seek independence in energy production. From 2006 to 2008, reserves of natural gas have increased by over 35%. As research and development furthers the efficiency and production of shale gas, it will continue to play a vital source of energy not only in the US but across the globe.



Sources: LCI Energy Insight gross withdrawal estimates as of January 2013 and converted to dry production estimates with EIA-calculated average gross-to-dry shrinkage factors by state and/or shale play.

Map Data: U.S. Energy Information Administration (EIA)
https://www.eia.gov/pub/oil_gas/natural_gas/analysis_publications/maps/maps.htm

Atlanta Public Transportation



Public transportation is seriously lacking in Atlanta and throughout the state of Georgia. The surrounding counties of Atlanta such as Cobb have no MARTA stations, and Dekalb only has two MARTA lines in the county. Therefore, Atlanta needs to expand its public transportation if it wants to continue to be a leading city.



California

California is the most populous state in the US, and it is not difficult to see why.

California is home to exciting cities and beautiful natural wonders, including lakes, rivers and national and state parks.

Redwood National Park

Lassen Volcanic National Park

Sacramento

Napa

Point Reyes National Seashore

San Francisco

Oakland

Yosemite National Park

San Jose

Fresno

Kings Canyon National Park

Monterey

Pinnacles National Park

Sequoia National Park

Death Valley National Park

Big Sur

San Luis Obispo

Mojave National Preserve

Los Angeles

Anaheim

Joshua Tree National Park

Long Beach

Santa Ana

San Diego

Legend

- Major Cities
- ★ Points of Interest
- State Parks
- National Parks
- Lakes
- Rivers
- State Boundary

0 100 200
Miles

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

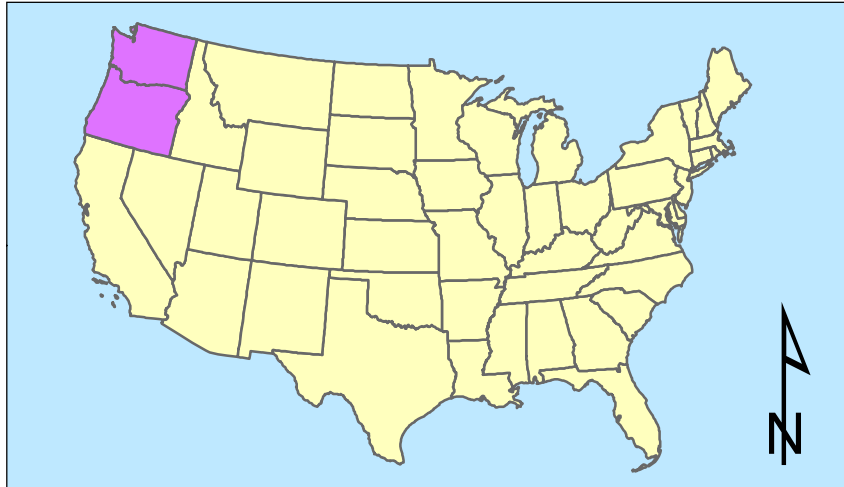
Map and photos by Kelsey Eichbauer



NOAA FISHERIES


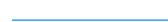



CHINOOK: An Endangered Species

Critical Northwest Habitats



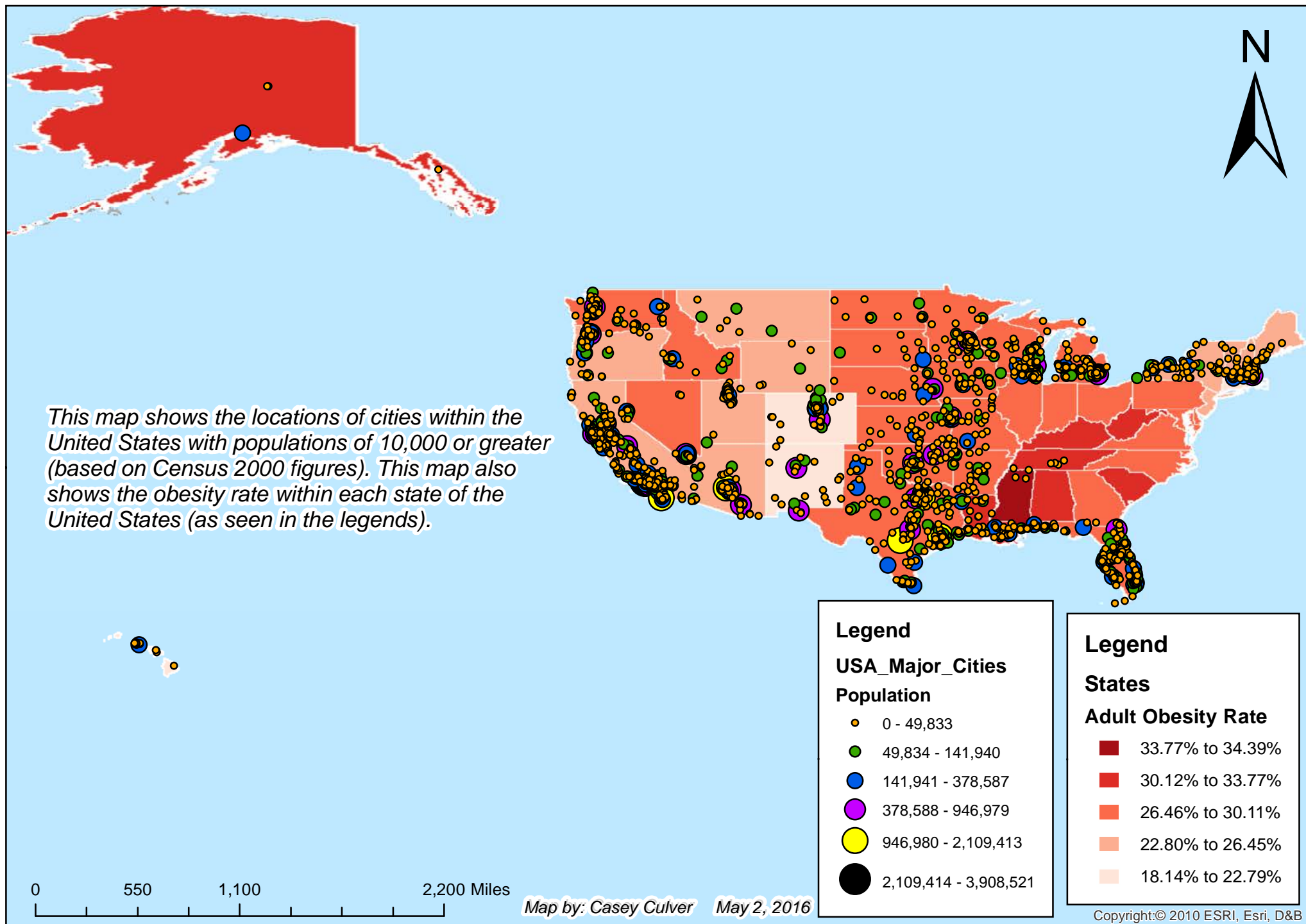
The Chinook salmon is a vital food source for a diversity of wildlife, including orca whales, bears, seals and large birds of prey. Protection of Chinook salmon is crucial to maintain healthy Pacific Northwest ecosystems and to provide a food source for years to come. (National Wildlife Federation)



-  Puget Sound Habitat
-  Upper Columbia River Spring Run Habitat
-  Upper Willamette River Habitat
-  Lower Columbia River Habitat
-  State Boundaries

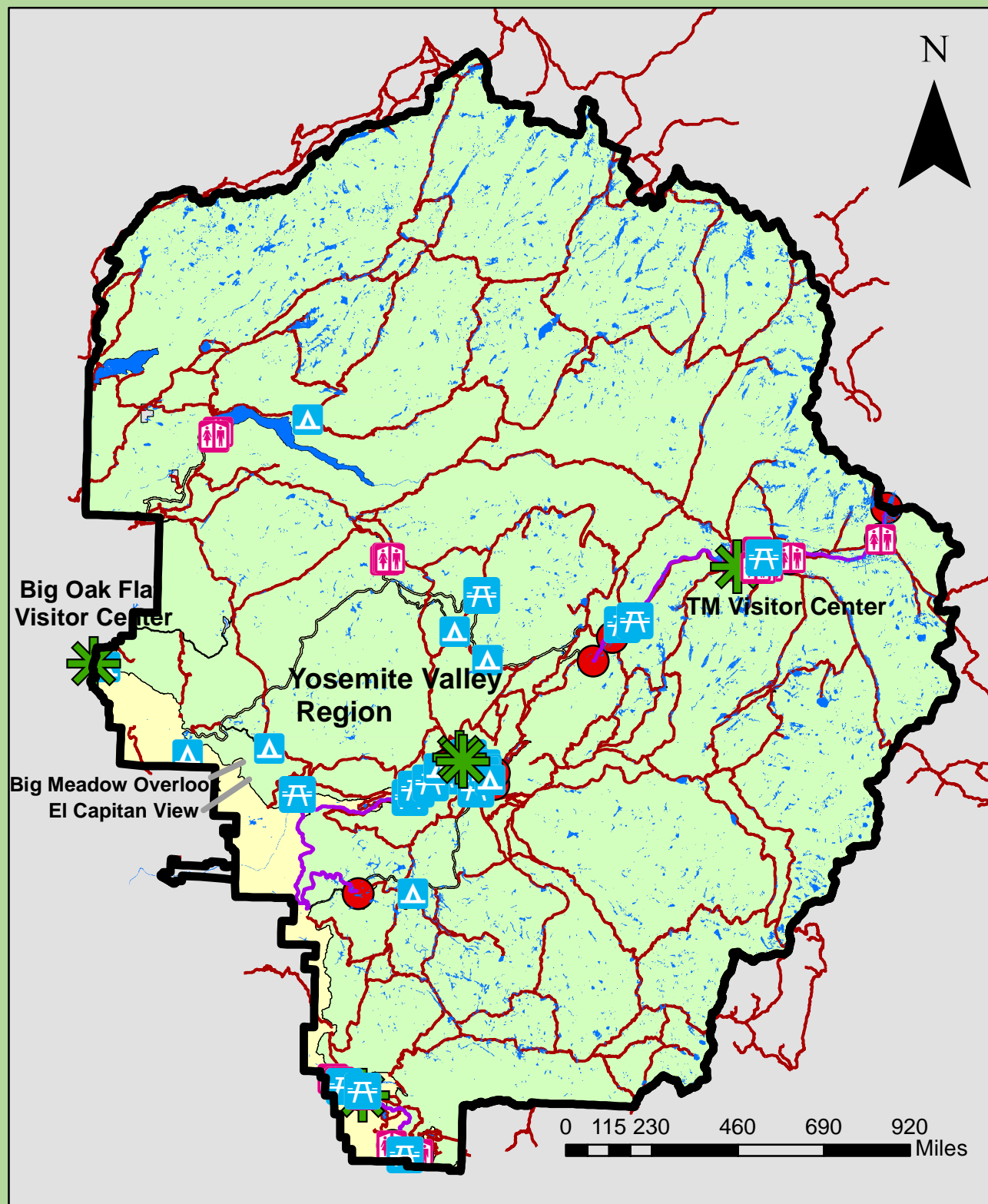


USA Major Cities and Obesity



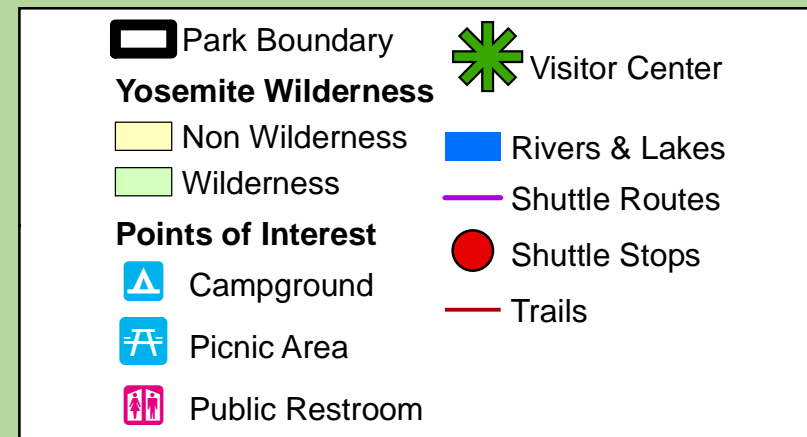
The World and its Seven Beauties





Yosemite National Park

Yosemite National Park is located in central California in the Sierra Nevada Mountain Chain and covers 747,956 acres. The park was established in 1890 and receives approximately 3.8 million visitors per year.



Map by: Marie Bartels 3.17.2016

Source: <http://www.nps.gov/gis/>

Major Forms of Transportation in Zürich

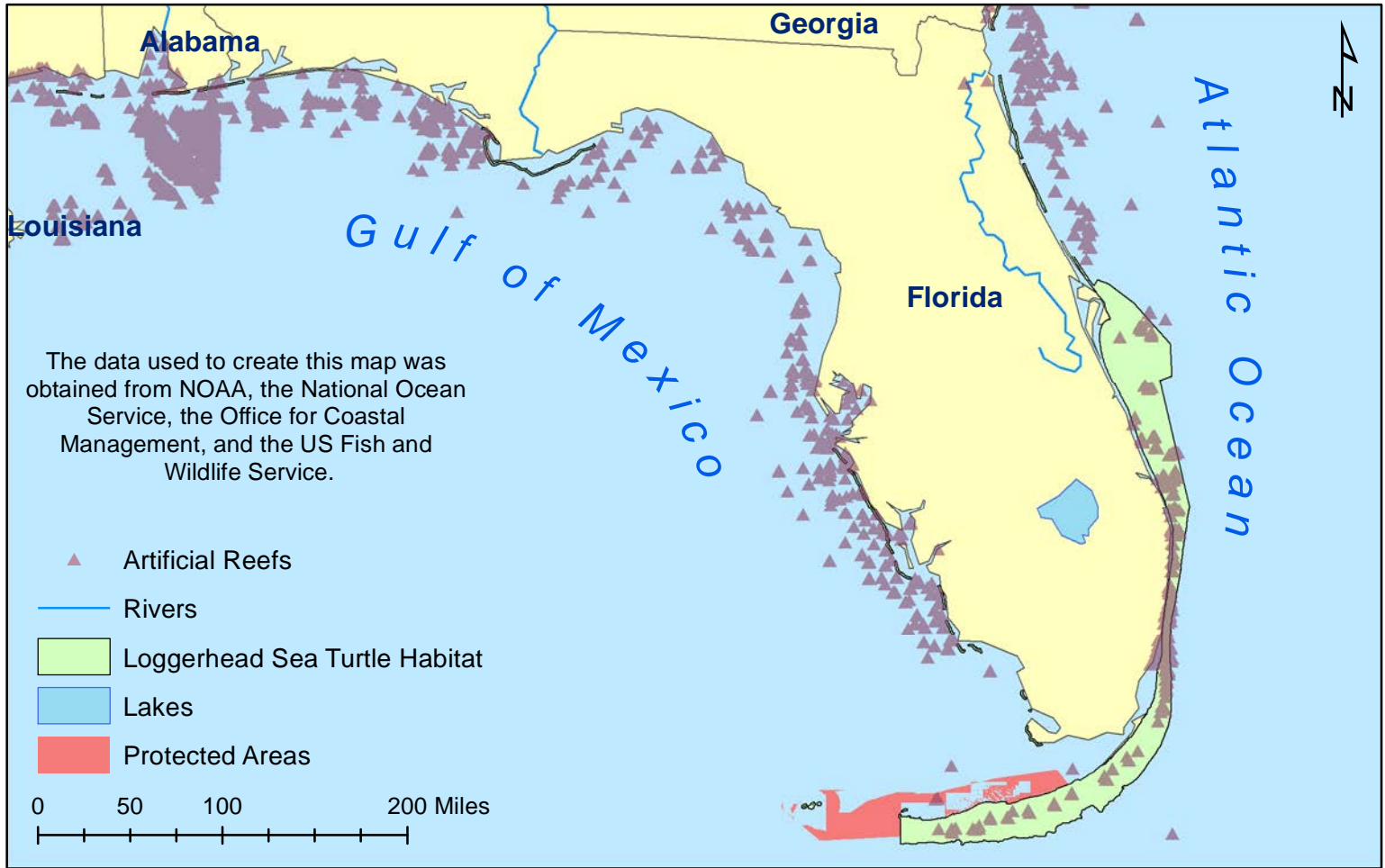
By: Sofia Awan 3/18/16

Sources : www.divagis.org/gdata, <http://www.naturalearthdata.com/downloads/10m-cultural-vectors/>



Human Impact on Loggerhead Sea Turtle's Habitat

The loggerhead sea turtle was originally listed as a threatened species in 1978. These sea turtles can be found along the coast of states in the southeastern United States in the Atlantic Ocean, Caribbean Sea, and the Gulf of Mexico.

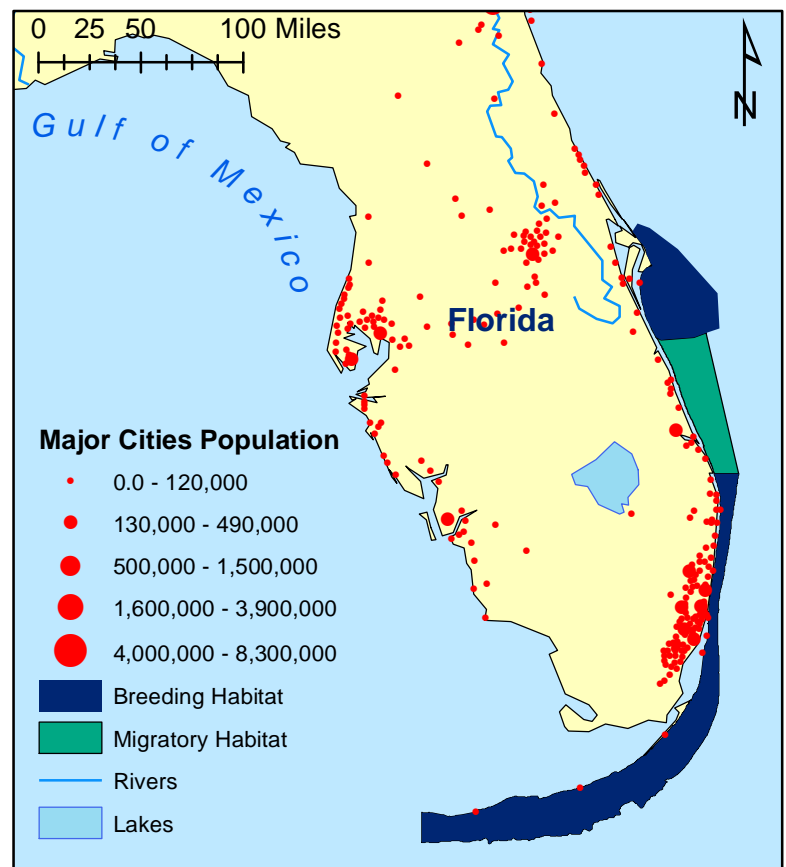


The map above shows the location of Loggerhead Sea Turtle habitats, protected habitat areas, and artificial reefs. Coral reefs act as feeding areas for sea turtles; artificial reefs are constructed to help regenerate ecosystems that depend on coral reefs.



The map to the right shows the location of Loggerhead Sea Turtles in relation to major cities in Florida. This species is threatened by coastal development and beach armoring, which degrades or eliminates their nesting habitat.

For example, beach front lighting disorients hatchlings, marine pollution and debris can cause sea turtles to choke, and watercraft strikes can cause sea turtle injury or death.



California Transportation

Map by Amy Wang

Due: May 2, 2016

In hopes of finding more factors that affect high school education in California for a further study about education, this map looks at Californian transportation. It includes major highways, railroads, and all rail stops in the state, and some areas outside of the state. By studying transportation, we can take a look at how it affects education. From previous maps and data, we already know the areas in California with the highest graduation rate. The hypothesis here was that areas with more transportation means would have a higher high school graduation rates since students would be able to get to school quicker and more easily. Studies have shown that there are kids who are not able to attend school because they do not have the means to transportation. Sometimes we forget how lucky we are in life to just appreciate the most simple things we take as granted. I will be using this map for further analysis in finding factors that affect education.



SOURCES:

Railroad Stations: http://www.dot.ca.gov/hq/tsip/gis/datalibrary/Metadata/Rail_Sta_13.html

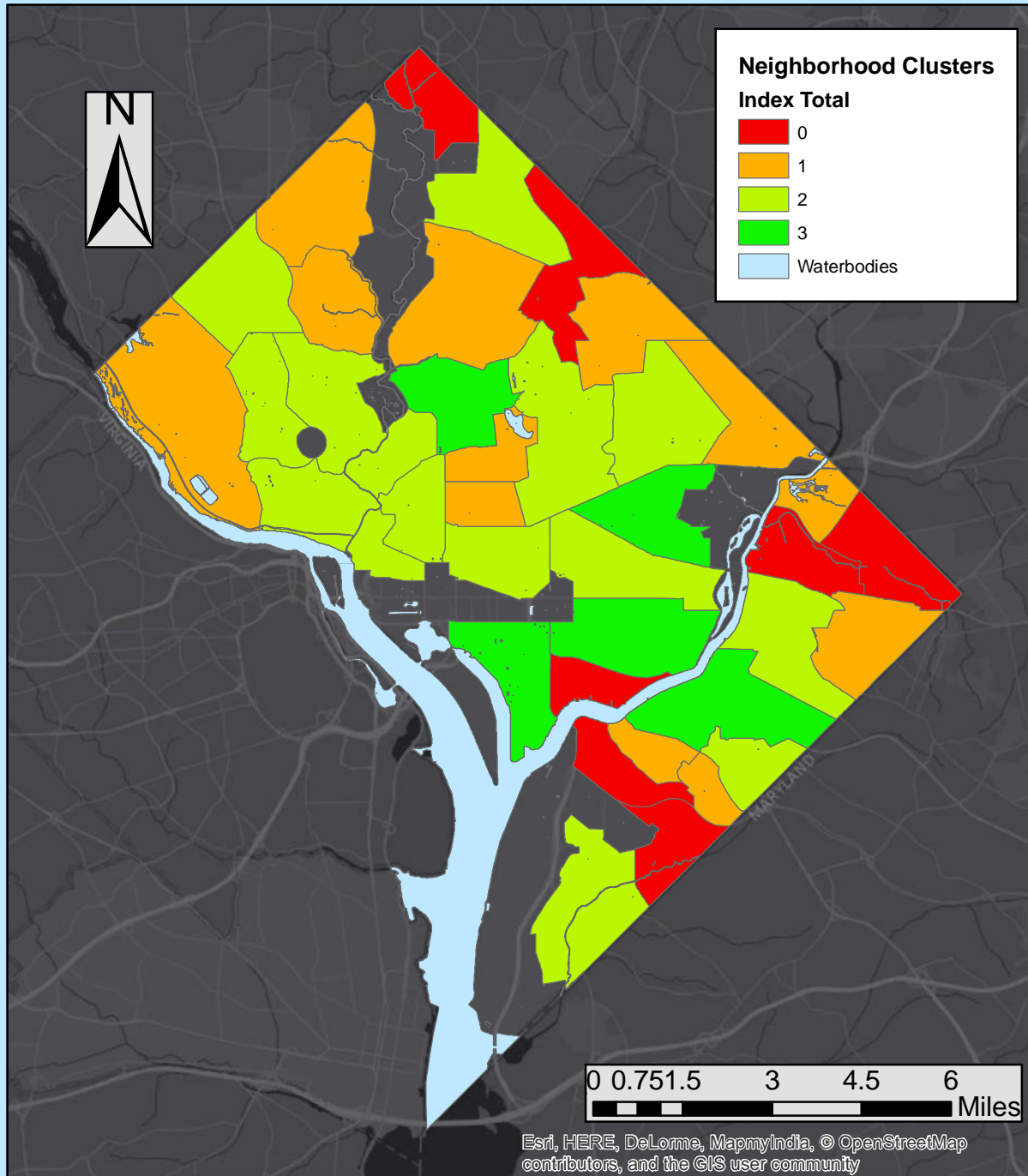
Railroads: http://www.dot.ca.gov/hq/tsip/gis/datalibrary/Metadata/Rail_13.html

Major Highways: <http://www.dot.ca.gov/hq/tsip/gis/datalibrary/Metadata/Trknet.html>

State Outline: http://www.nws.noaa.gov/geodata/catalog/national/html/us_state.htm

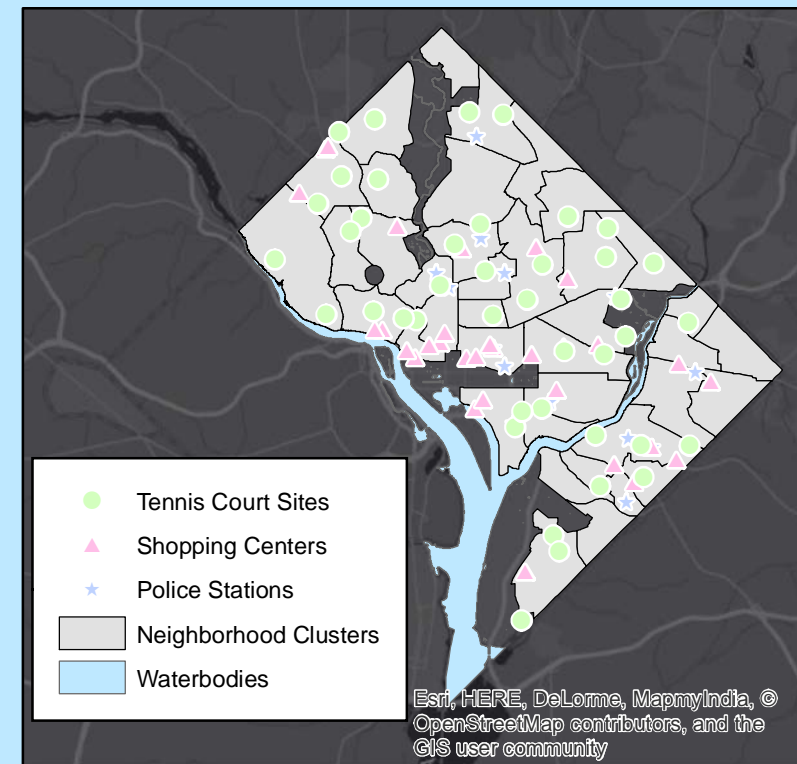
Washington, D.C. Neighborhood Suitability Index

By: Ashley Tofil
May 2016



LEFT: This map shows neighborhood clusters in Washington, D.C. indexed based on three criteria - presence of police stations, shopping centers, and tennis courts.

BELOW: This map shows neighborhood clusters in Washington, D.C. with police stations, shopping centers, and tennis courts shown.



SOURCES:

Neighborhood Clusters [downloaded file]. DCGISopendata. URL: http://maps2.dcgis.dc.gov/dcgis/rest/services/DCGIS_DATA/Administrative_Other_Boundaries_WebMercator/MapServer/17 [May 2016].

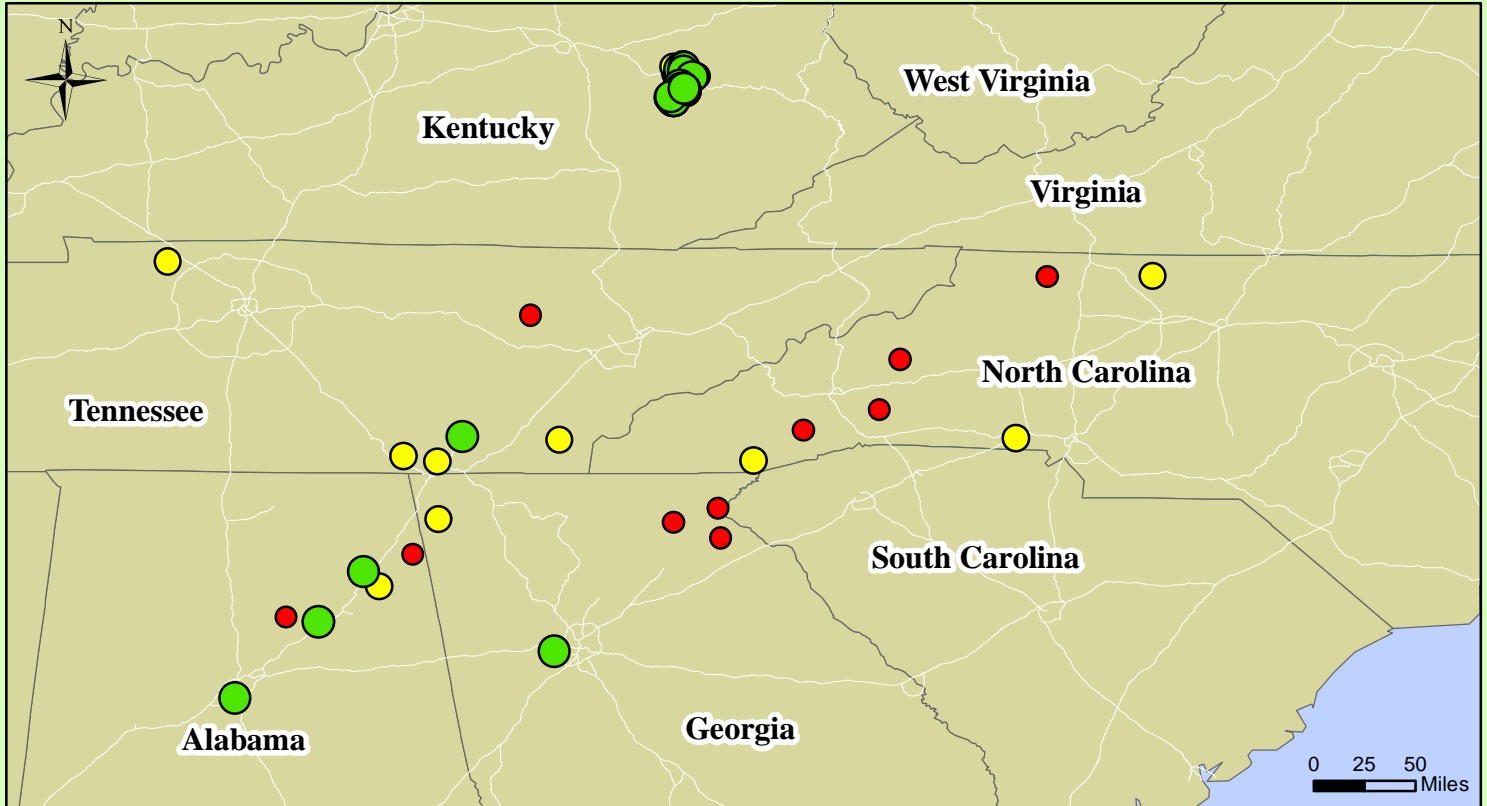
Police Stations (2011) [downloaded file]. DCGISopendata. URL: http://maps2.dcgis.dc.gov/dcgis/rest/services/DCGIS_DATA/Public_Safety_WebMercator/MapServer/11 [May 2016].

Shopping Centers [downloaded file]. DCGISopendata. URL: https://maps2.dcgis.dc.gov/dcgis/rest/services/DCGIS_DATA/Business_and_Economic_Development_WebMercator/MapServer/11 [May 2016].

Tennis Court Sites (2009) [downloaded file]. DCGISopendata. URL: http://maps2.dcgis.dc.gov/dcgis/rest/services/DCGIS_DATA/Recreation_WebMercator/MapServer/0 [May 2016].

Waterbodies (2016) [downloaded file]. DCGISopendata. URL: http://maps2.dcgis.dc.gov/dcgis/rest/services/DCGIS_DATA/Environment_WebMercator/MapServer/24 [May 2016].

Accessible Climbing in the Southeast



● Most Accessible
 ● Moderately Accessible
 ● Least Accessible



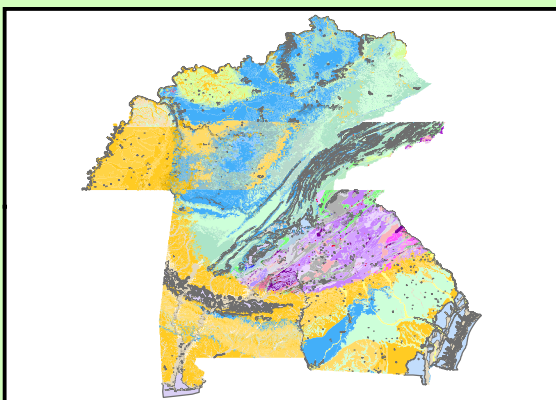
Rock climbing in the southeast is unique when compared to other regions in that most of its most famous locations have an incredible density of routes and boulder problems for their relative area. Many of the climbing areas in the southeast are found between geologic facies, rather than dispersed within a single rock type in a mountain range. The result is small areas of densely clustered rock outcrop where one rock type has resisted weathering more than another.

The main cluster in Kentucky is the Red River Gorge, the Mecca of sport climbing in the southeast. Every fall and spring thousands of climbers flock to the RRG in the hopes of completing some of its more than 1,400 routes.

The map above shows climbing locations ranked by their accessibility, which takes into account both geography and climbing difficulty. Locations that are within 10 miles of a major interstate and contain at least 10 intermediate (or easier) routes were given the best ranking.

An incredibly defining and important part of a climbing location is the type of rock, as different kinds have different qualities that lend themselves uniquely to the various types of climbing. It's for this reason geologic maps such as the one to the left can be very useful for planning purposes when looking to establish new routes.

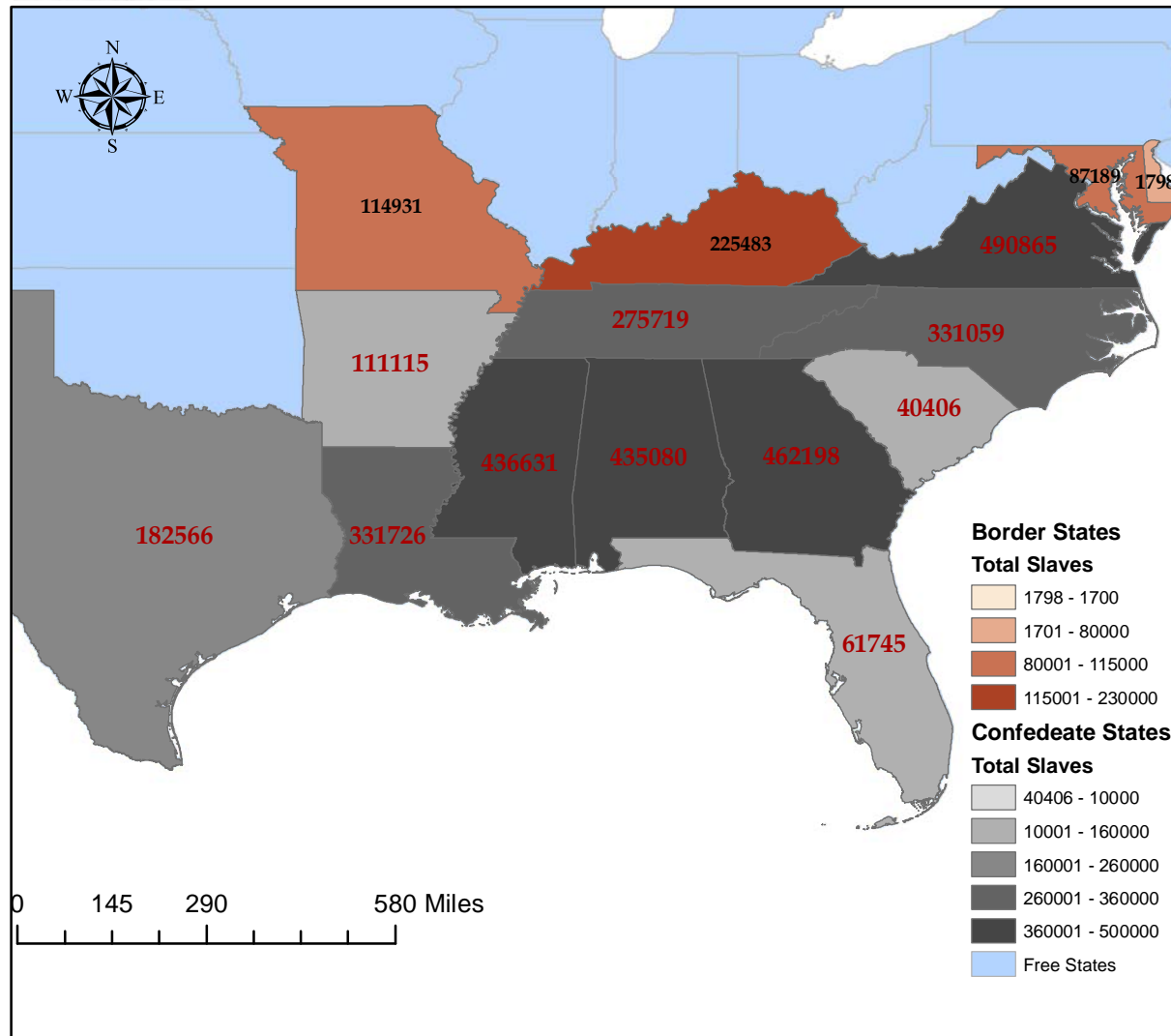
The key for this data can be located at this web address:
<http://mrddata.usgs.gov/catalog/lithclass-color.php>





American Slavery in 1860

"A house divided against itself cannot stand..."



Total Number of Slaves per State

Data Sources

U.S. State boundaries: https://www.census.gov/geo/maps-data/data/cbf/cbf_state.html

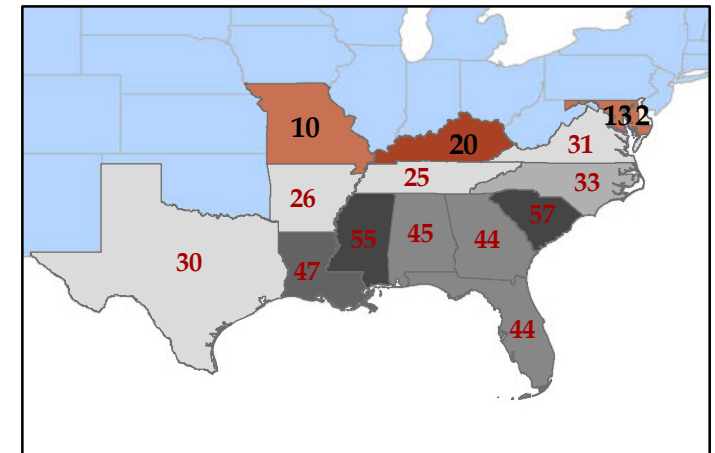
Slavery Statistics: 1860 Census- http://www.civil-war.net/pages/1860_census.html

Census Data made into Excel table, then joined with existing States tables

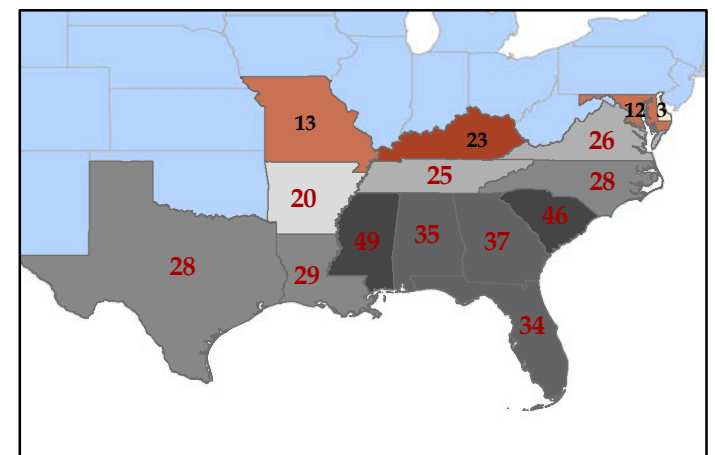
Although the importation of new slaves was outlawed earlier in the 19th century, slaves numbered over 3.9 million in 1860. Slavery failed to expand into new western territories, but persisted in the American south and the border states.

Several compromises, such as the compromise of 1850 and Missouri compromise, kicked the ultimate question of slavery down the road to be decided at a later date.

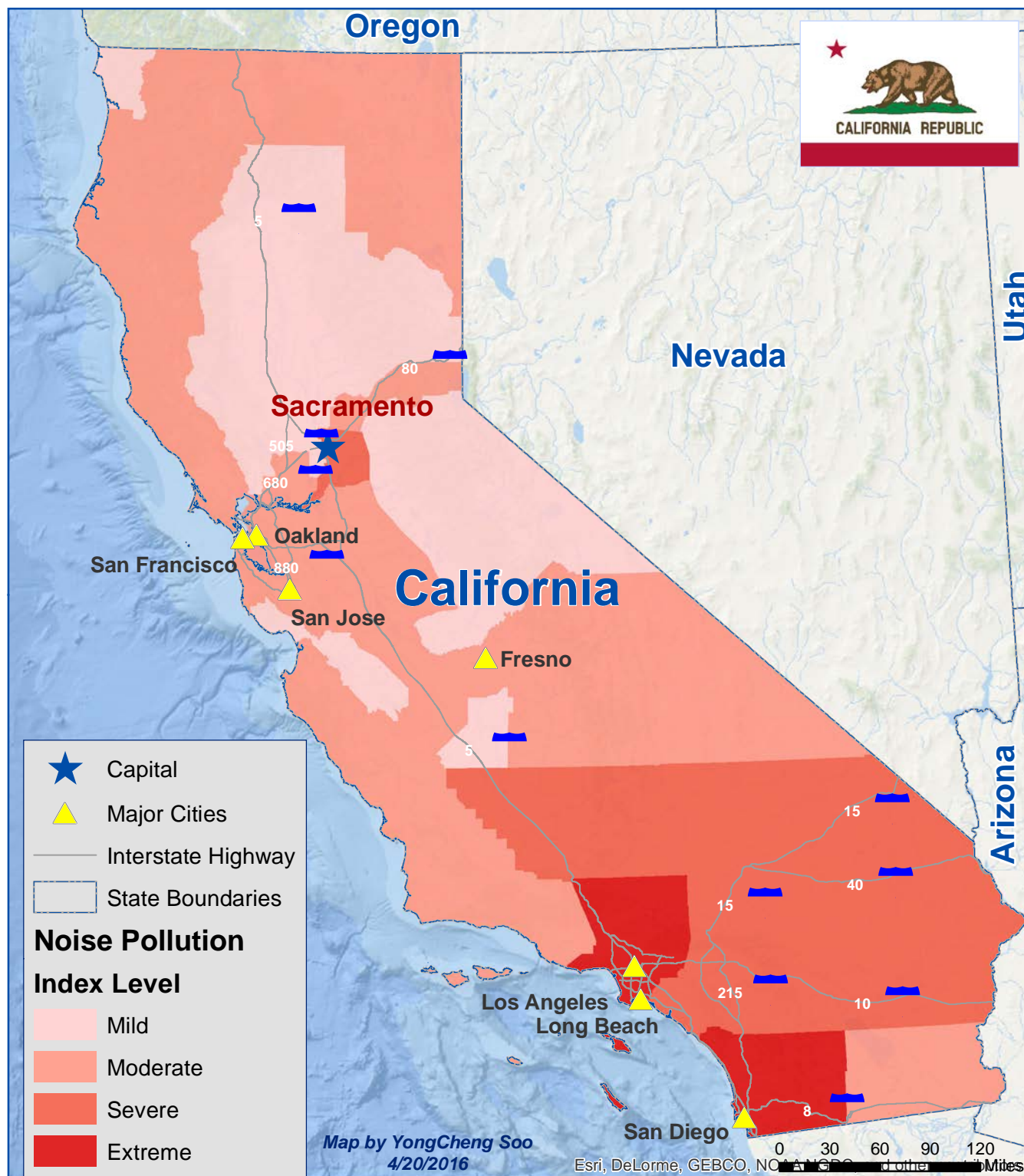
However, the formation of the Republican Party as a strongly abolitionist voice and its success in the 1860 presidential election caused the South to secede over the question of slavery.



Percentage of Population Enslaved



Percentage of White Families that owned slaves



California Noise Pollution

Noise Pollution:

Takes place when there is either excessive amount of noise or an unpleasant sound that causes disruption.

Causes:

Noise pollution continues to grow in extent and severity as a result of population growth and urbanization.

Major Sources:

Sustained growth in highway and air traffic

Indexing

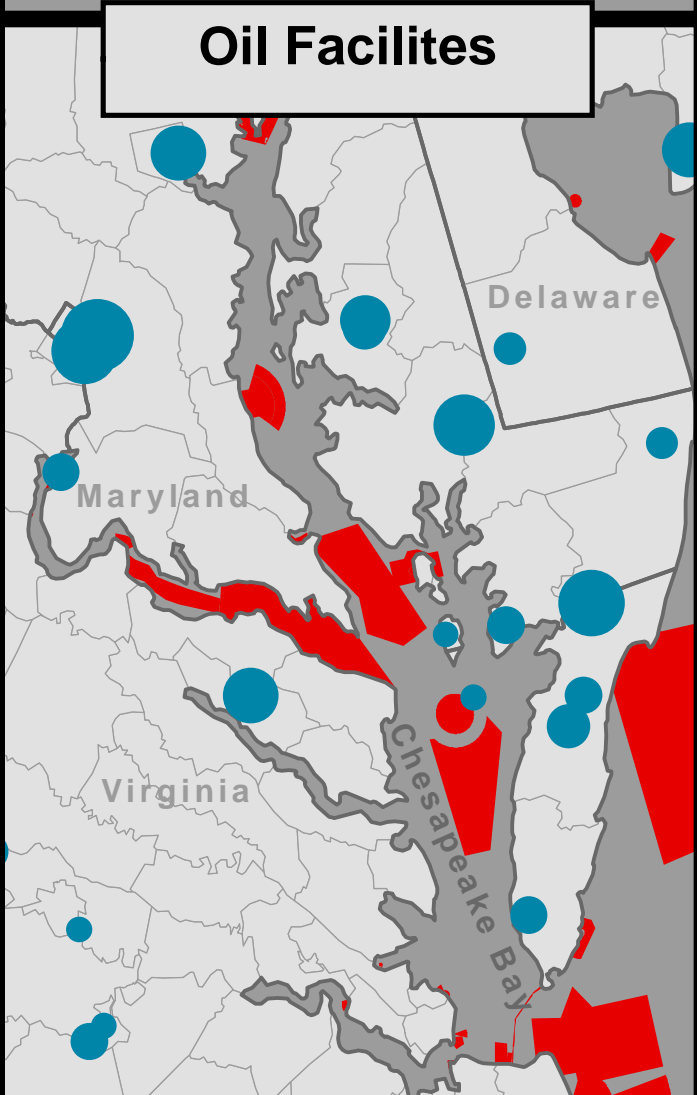
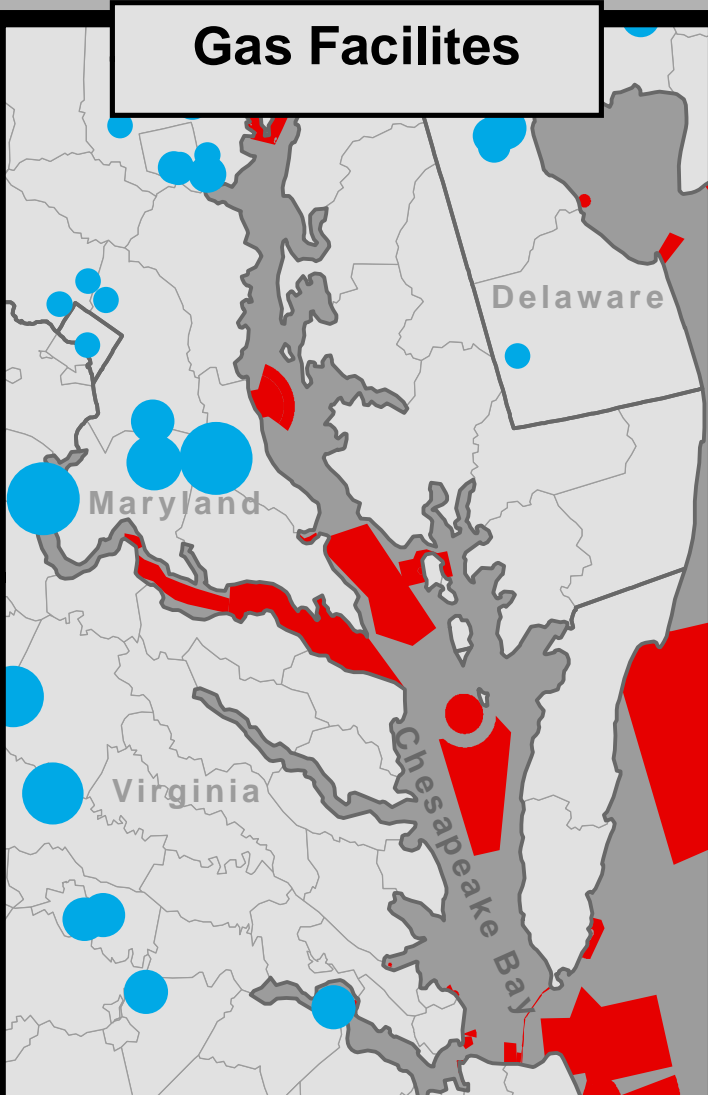
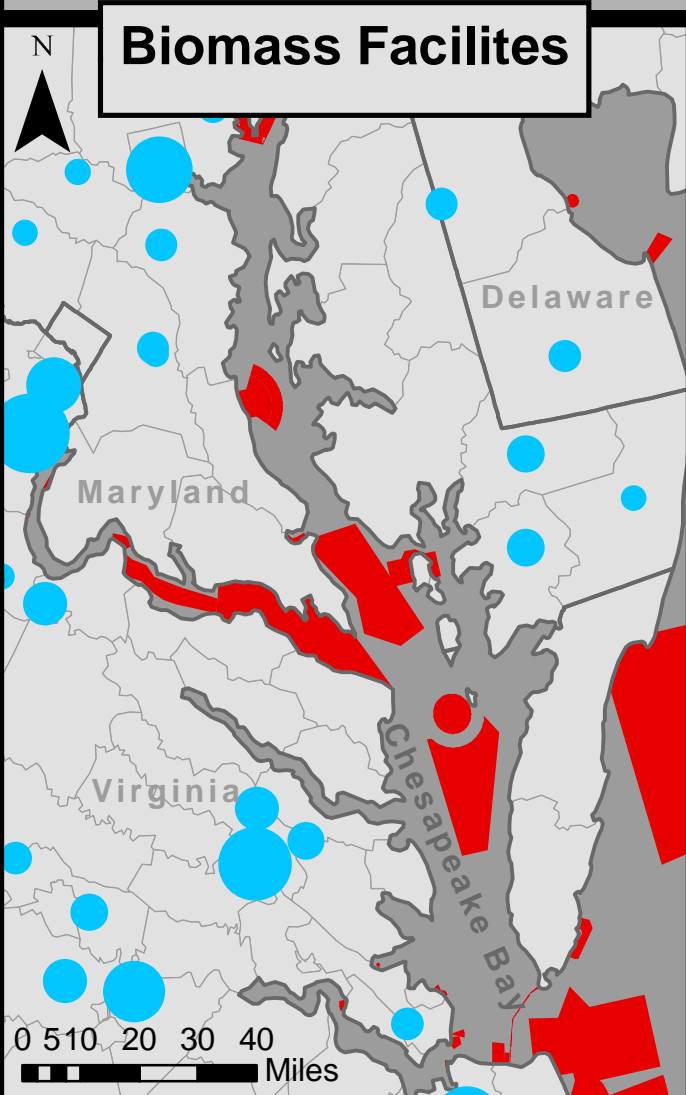
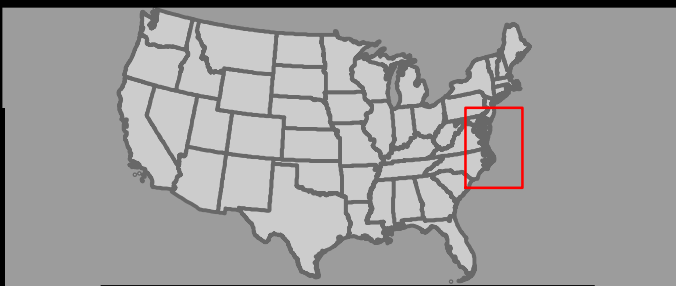
Noise pollution in each county was evaluated based on two criterias: number of airports and annual traffic volumes on California state highway network.

Counties with more airports and larger traffic volumes such as Los Angeles and San Diego, are said to have extreme level of noise pollution.

Data Source: Caltrans, USGS, Geospatial Data Gateway

Energy Sources and Vulnerability Proximity in the Chesapeake Bay Area

The Chesapeake Bay area is a vital region in our country, nestled between multiple states and next to our nation's capital. Because of its population and infrastructure, it requires a massive amount of energy, and multiple techniques are employed to power everything. Below are a collection of maps that show the different types of coastal energy facilities and their capacities in the amount of megawatts the facility can put out. The red "Danger" expanses are restricted off by the United States' Government, and show where live ammunition and military drills occur, representing possible hazards and disruptions.

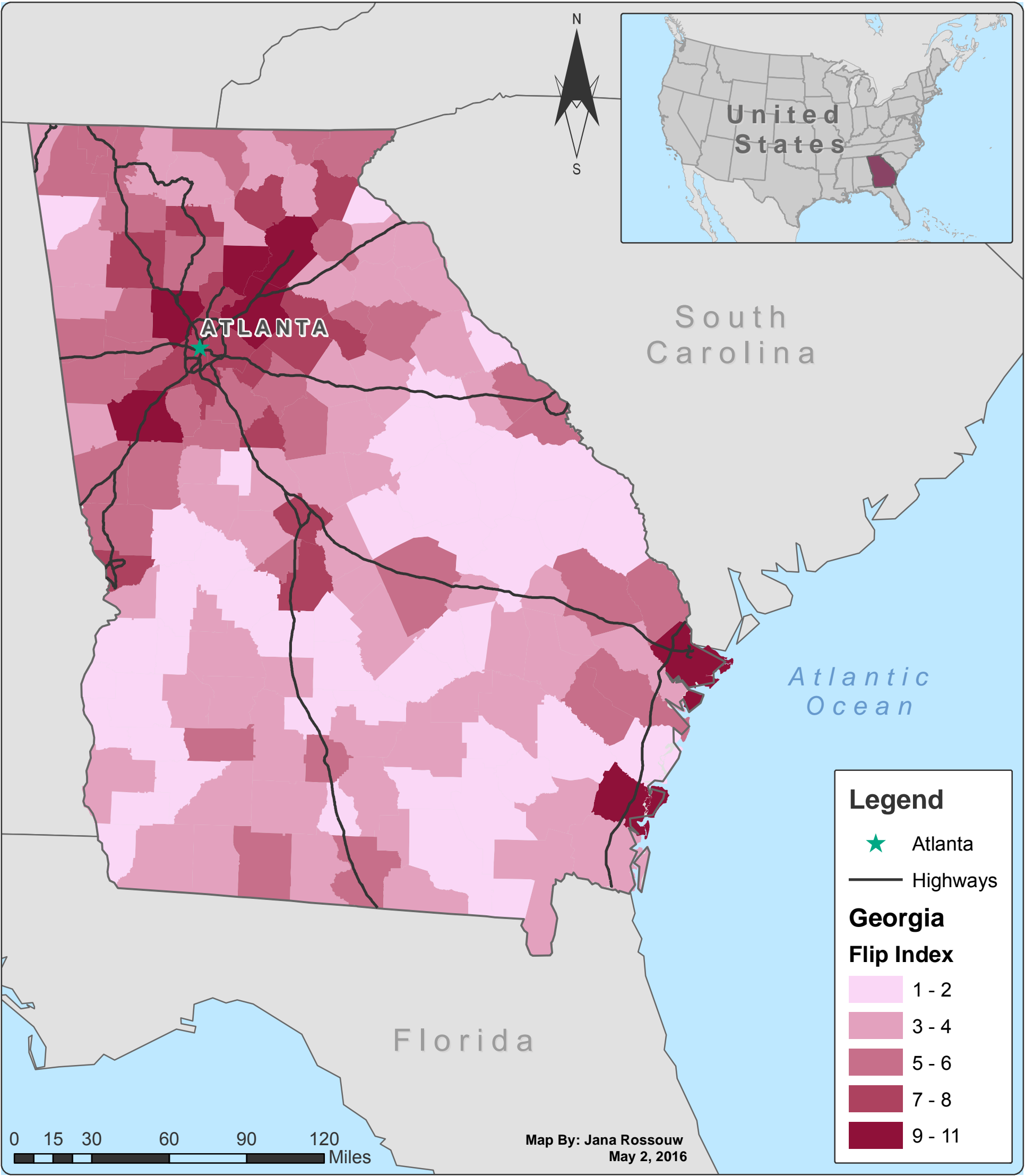


Capacity (MW)

0-50	50-100	100-150	150-200	200-300	300-400	400-500
------	--------	---------	---------	---------	---------	---------

Danger Zones and Restricted Areas

Georgia's Real Estate "Flipping" Market



A popular trend in real estate that has been gaining steam since the American housing market has slowly been bouncing back is that of “flipping”. Flipping is defined as “a type of real estate investment strategy in which an investor purchases properties with the goal of reselling them for a profit. Profit is generated either through the price appreciation that occurs as a result of a hot housing market and/or from renovations and capital improvements.” (www.investopedia.com)

This map presents an index detailing which counties in Georgia offer the best environment for flipping homes at a profit based on three factors: Median Home Value, Median Household Income & Number of Real Estate Owned (REO) properties available. REO properties often provide an opportunity for the most profit because they are sold by the bank significantly below market value. A large number of available REO properties combined with a high Median Home Value (which implies a high sell price) along with high Median Household Incomes then create a “perfect storm” for flippers to come in, create new livable space and turn a profit.

The Flip Index was calculated by adding together sub-indexes of each three factors detailed above. Below are a few tables that detail how each sub-index was calculated and then how that fed into the final Flip Index. Once these sub-indexes were added together, it created a final Flip Index with values ranging from 2-11 based on each county's data.

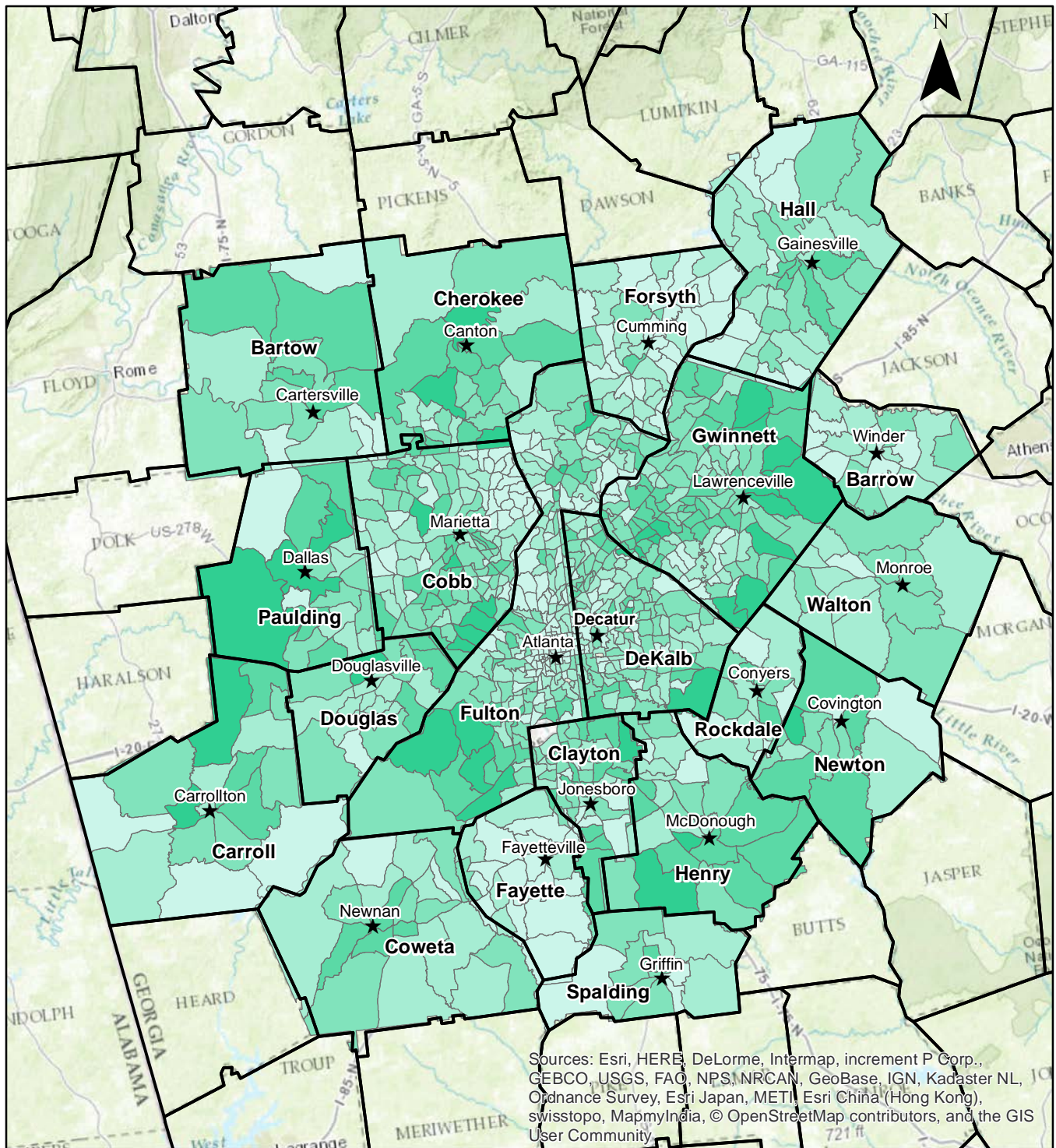
Data Sources:
<https://catalog.data.gov/>

REO Properties	
Properties per County	Sub Index
0	0
1-2	1
3-9	2
9+	3

Median Home Value	
Range	Sub Index
\$40,000 - \$85,000	1
\$85,001 - \$120,000	2
\$120,001 - \$160,000	3
\$160,001 - \$260,000	4

Median Household Income	
Range	Sub Index
\$22,500 - \$35,000	1
\$35,001 - \$45,000	2
\$45,001 - \$60,000	3
\$60,001 - \$100,000	4

Metro Atlanta Region Total Birth from 2008 to 2012

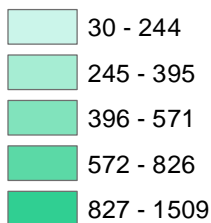


Legend

★ Atlanta County Seats

□ Counties

Total Births



NOTE

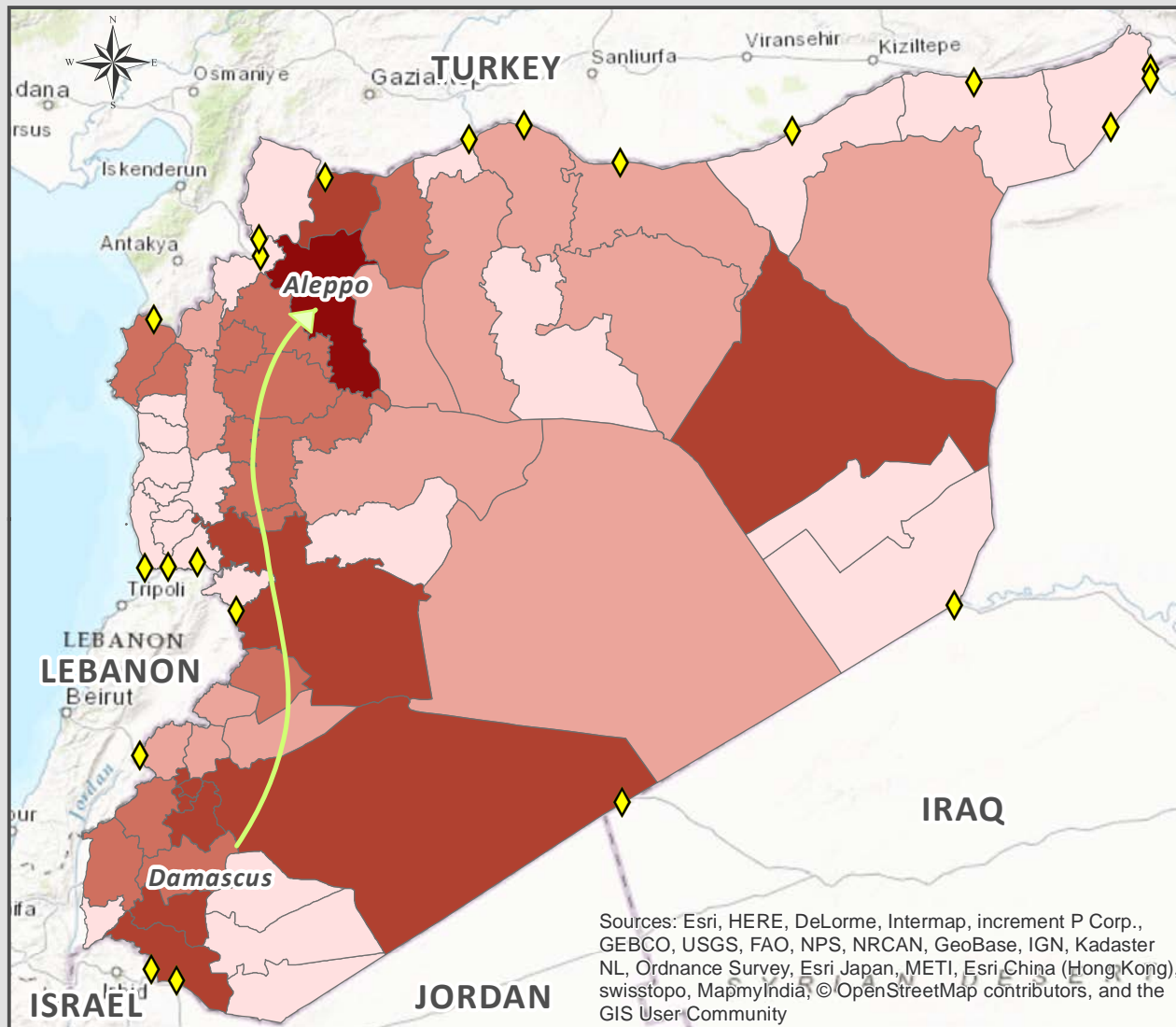
The following map shows the total number of births given in metro atlanta region.

Date: 4/30/2016

Made by Jae Young Park

Syria

by Gabriel Paik - Georgia Institute of Technology - CP 4510 (Prof. Anthony Giarrusso) - 04/27/2016



0 15 30 60 Miles



Border Crossings



Conflict Direction

Districts

Historical Conflict

0 - 1841

1841 - 5326

5326 - 11416

11416 - 26013

26014 - 81993

Deir ez Zor Syria Lambert Coordinate System
 Syria Districts: <https://data.hdx.rwlab.org/>
 Border Crossings: <http://geonode.wfp.org/>
 Conflict Events: <https://data.hdx.rwlab.org/>

Background:

Syria has 61 districts. The conflict has evolved significantly since its beginning, in March 2011. Overall, more than 450 thousands civilians have lost their lives due to conflict. In addition, aid organizations have lost aid that were stored in their warehouses due to unforeseeable incoming conflict.

This map is a visual representation of Syria. The purpose of this map is to better understand the patterns of conflict events. Using this type of information, Syrian civilians would know where to relocate to avoid conflict, and aid organizations would know when to remove aid from their warehouses.

Explanation:

As seen in the map, the darker red areas represent the higher conflict districts. Since the outbreak of the war, in Damascus, conflict has been advancing north to Aleppo, where most of the conflict is occurring currently. It can also be seen that people are being displaced due to conflict and crossing borders to adjacent countries to look for safety.

From the map it might be inferred that conflict is starting to direct towards the east. Aid organizations such as the World Food Program (WFP), are constantly preparing food and air in Turkey and Lebanon, and also in Iraq.



MLB Allegiance by State



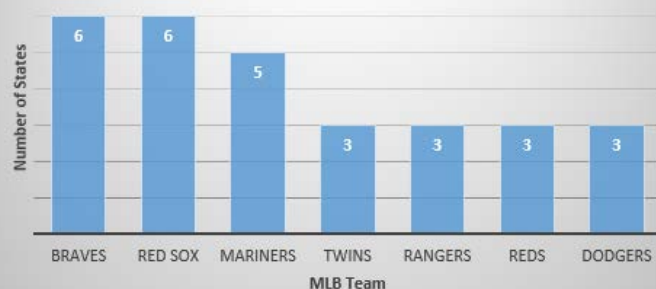
States

Team

- Arizona Diamondbacks
- Atlanta Braves
- Baltimore Orioles
- Boston Red Sox
- Chicago Cubs
- Cincinnati Reds
- Colorado Rockies
- Detroit Tigers
- Houston Astros
- Kansas City Royals
- Los Angeles Dodgers
- Miami Marlins
- Milwaukee Brewers
- Minnesota Twins
- New York Mets
- New York Yankees
- Philadelphia Phillies
- Pittsburgh Pirates
- San Francisco Giants
- Seattle Mariners
- St. Louis Cardinals
- Texas Rangers
- Washington Nationals



Most Popular MLB Teams by State



The MLB allegiance by state are shown above. State allegiance is based on a simple majority. Some teams claim multiple states, while others do not own any states. The location of every MLB team is shown with the corresponding teams logo.

Top 100 European Club Soccer Teams

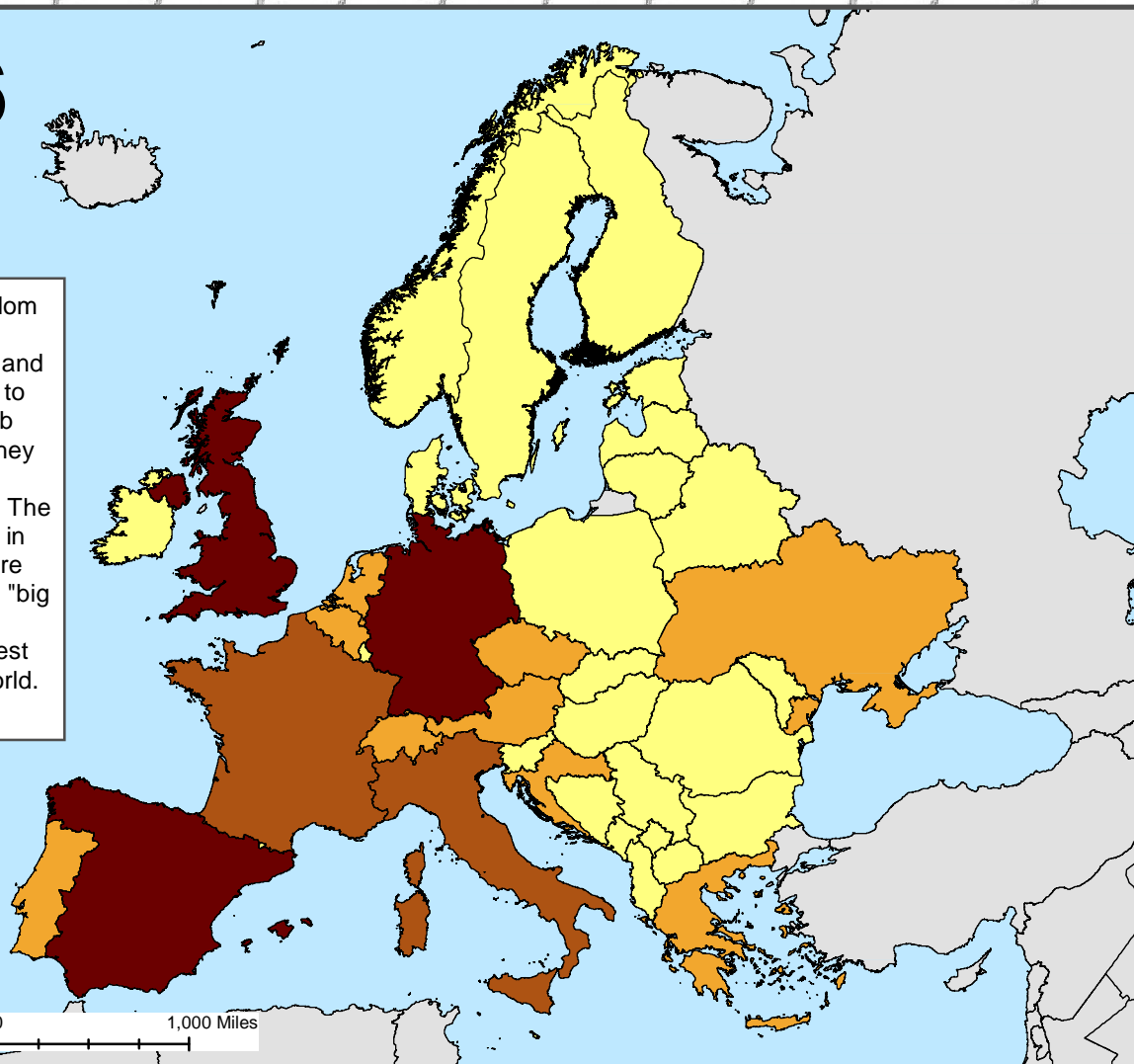
Samuel Norris
Print Map 2
2 May 2016

2016

The United Kingdom (particularly England), Spain, and Germany appear to have the best club soccer teams. They are followed by France and Italy. The top flight leagues in these countries are referred to as the "big five" and are considered the best leagues in the world.



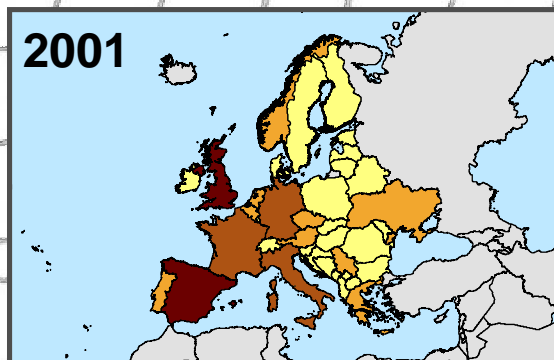
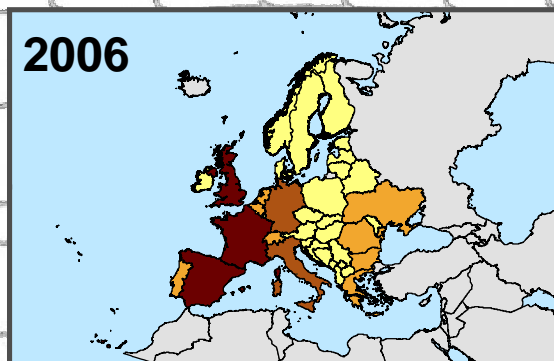
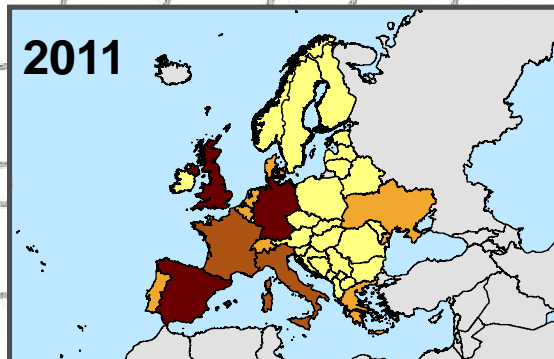
0 250 500 1,000 Miles



2011

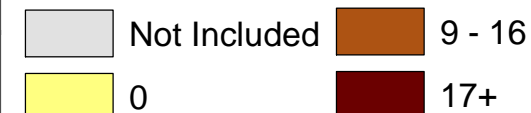
2006

2001



The maps above show the distribution of the top 100 clubs in Europe (not including gray countries) based on Elo rating on April 27 of the given year. It is apparent that Spain is consistently home to many top teams. Teams from the United Kingdom is also consistently making the top 100. France has been strong but seems to have slipped recently. Germany has also been decent and has gotten stronger over time. Italy appears to make a respectable showing over time, and Ukraine is also consistent, if with lower numbers. Outside of this, there are appearances from several countries in Central, and occasionally Eastern, Europe.

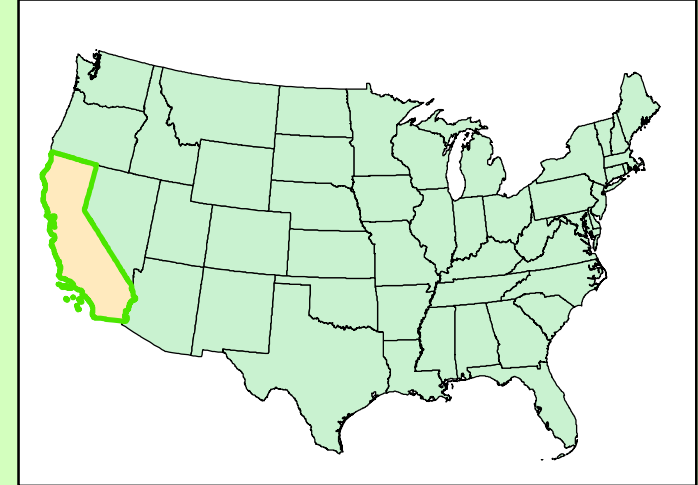
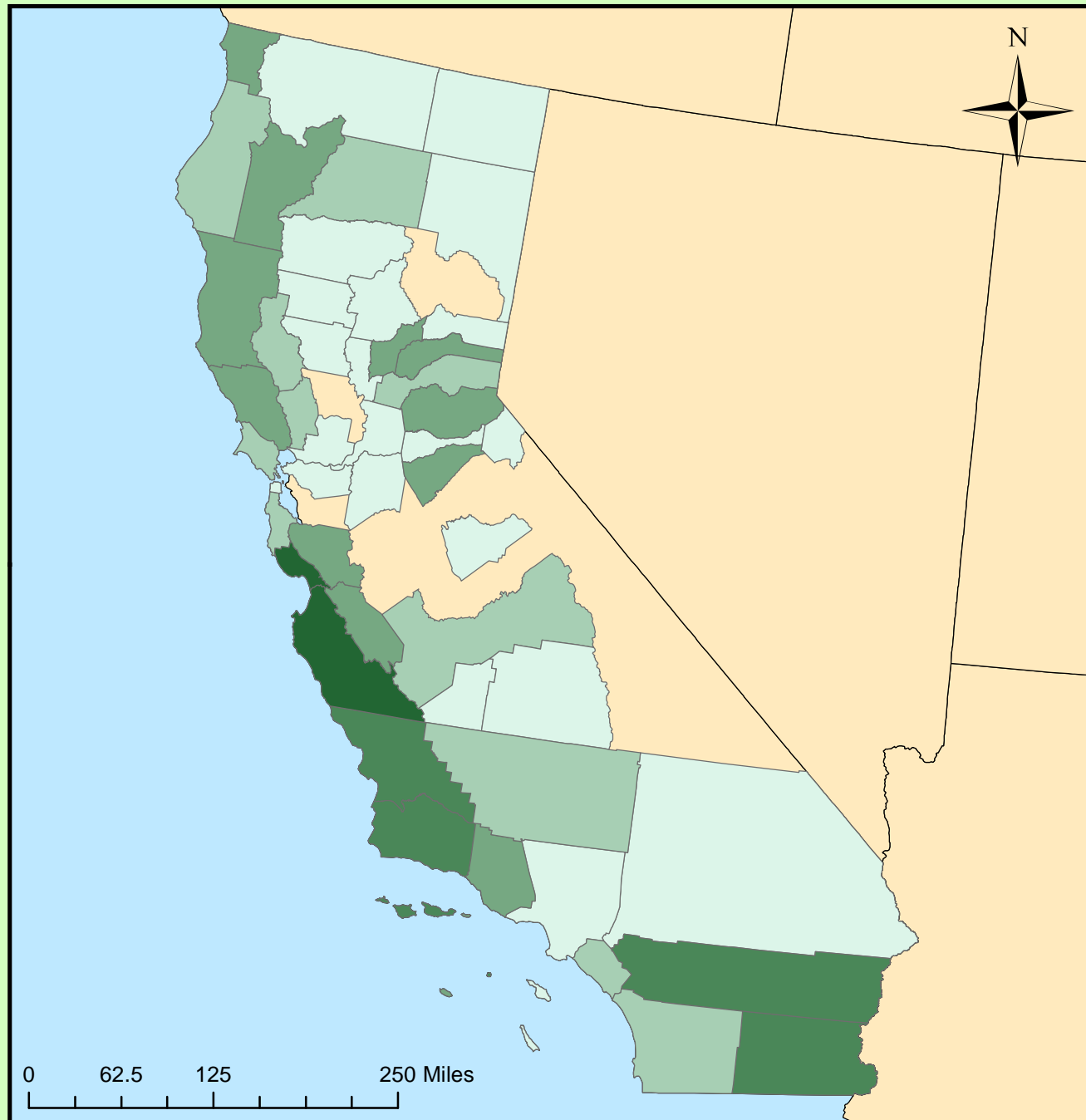
Top Teams





Acres Dedicated to Lettuce in California

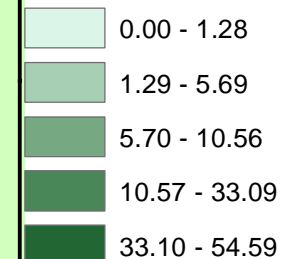
Map by Francis Nguyen



As the world seamlessly shifts towards the specialization and commercialization of crop production, issues concerning food centralization arises. California, a mega agricultural hub, accounts for 71 % of the lettuce grown in the United States and most of the crop grown is exported nationwide. With most of this crop being transported from California, states nationwide now lack fresh grown produce. This map serves to show the percent of harvested acres in California that is dedicated to lettuce production. It is important realize that potential environmental risks arise from forcing previously diverse farmland to solely grow a handful of crops.

Legend

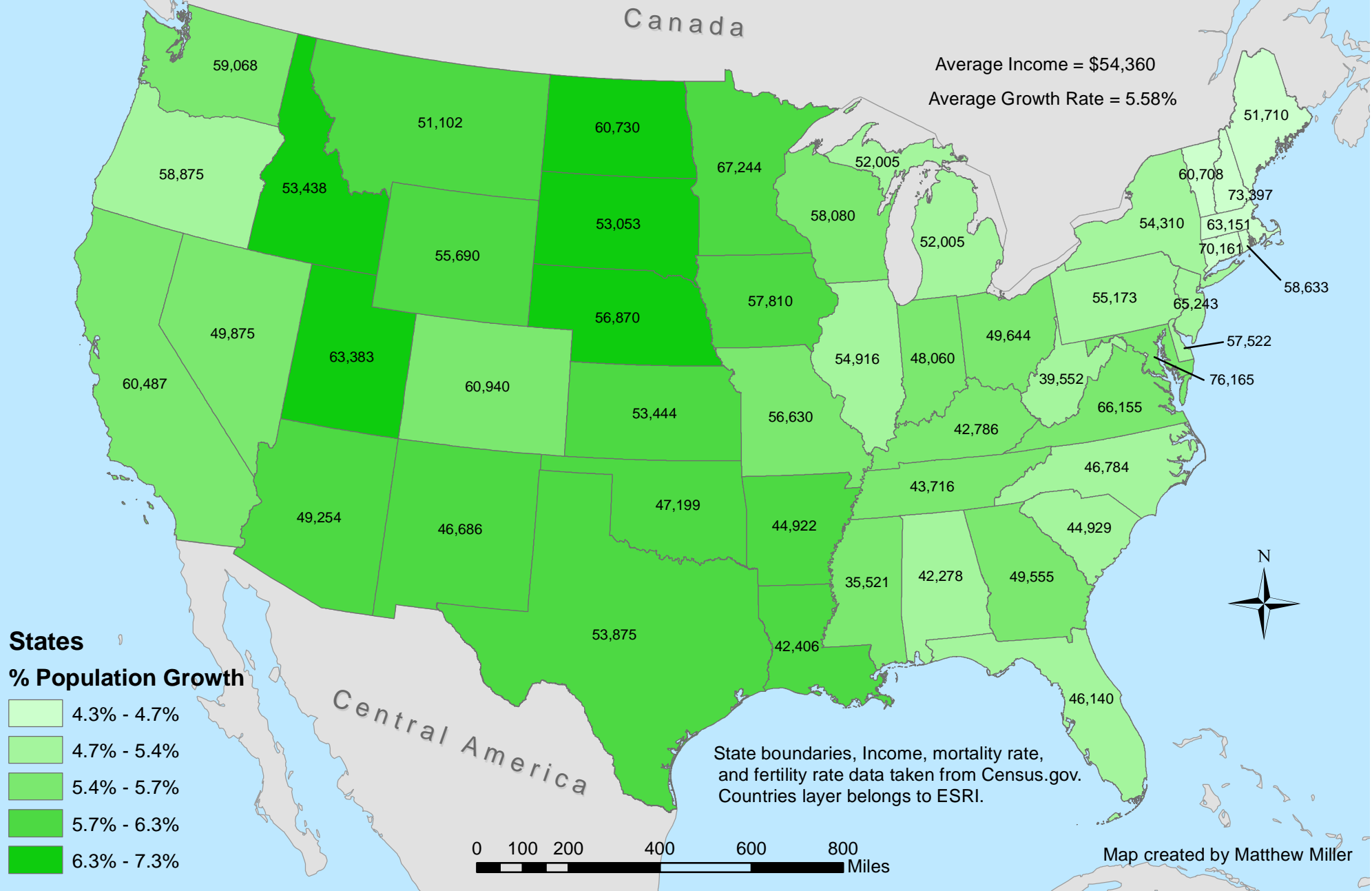
Percent of Harvested Acres for Lettuce Production



Data from U.S Census Bureau and United States Department of Agriculture

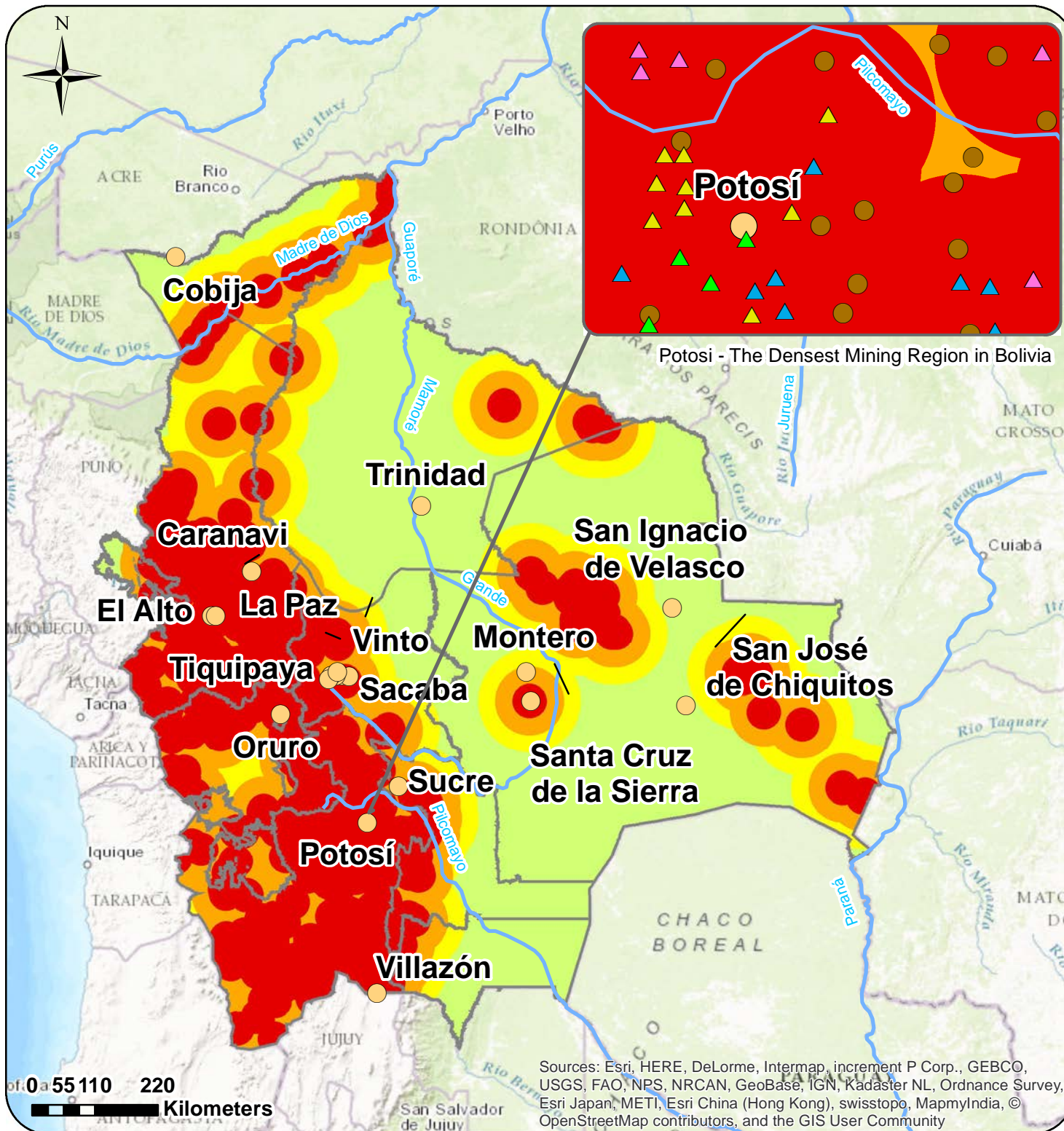
Population Growth by State in Contiguous U.S.

Map showing population growth per state with median income labeled. Population growth is defined as the fertility rate minus the death rate. Apart from the Northeast, there is a slight positive correlation between income and population growth.





Impacts of Mining Activities in Bolivia



Active Mining Sites

- | | | |
|------|------|------|
| ▲ Ag | ▲ Cu | ▲ Sn |
| ▲ Au | ▲ Fe | ▲ Zn |

Cities and Towns

- city ● town

Major Rivers

Contamination Level

- Red: < 30 km heavy contamination
- Orange: < 60 km intermediate contamination
- Yellow: < 90 km mild contamination

Bolivia is historically a mining country. Indigenous group has been mining the mountains for silver for centuries. Intensive mining activities started since Spanish conquest. However, mining activities can cause severe impacts on the environment, such as water pollution and also human health. This map shows the spatial distribution and severity of mining contamination and the possible impacts on major rivers (which are usually urban water sources) and major populated areas.

Map by: Qianye Mei

05/01/2016

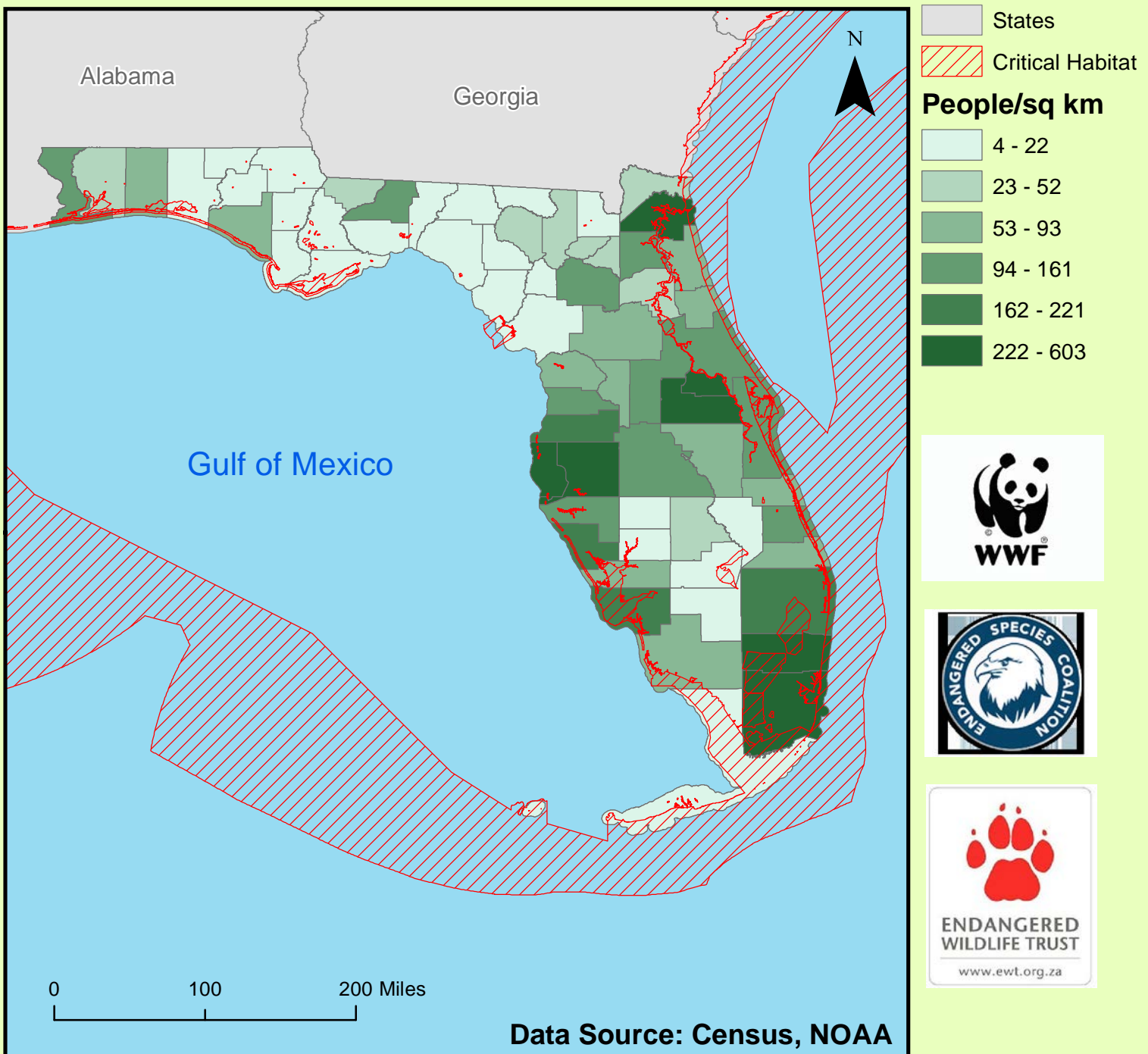
Sources:

ESRI, OpenStreetMap, Natural Earth

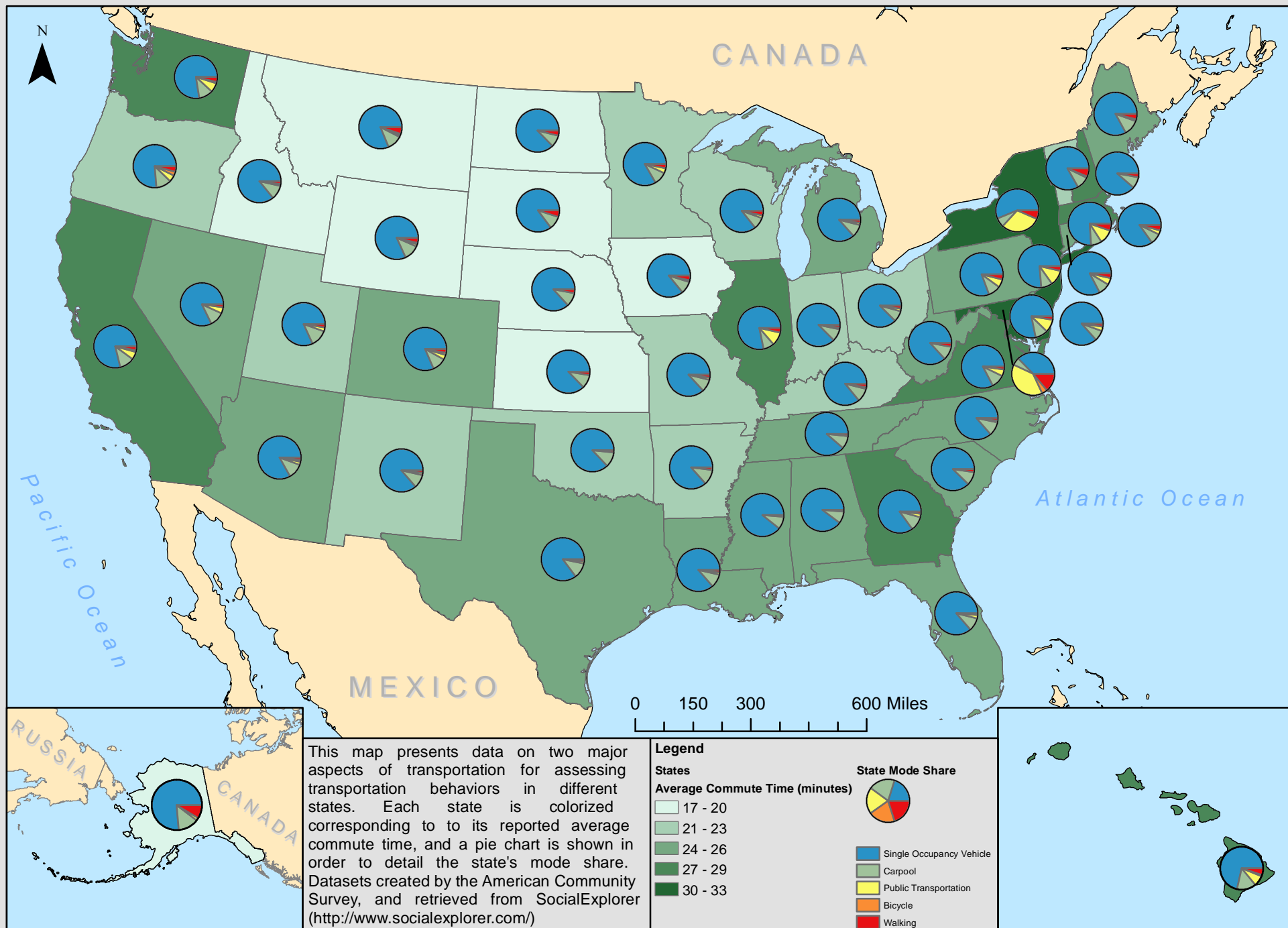
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Florida Encroachment on Local Species

Author: David Mckenney Date: 4/29/2016

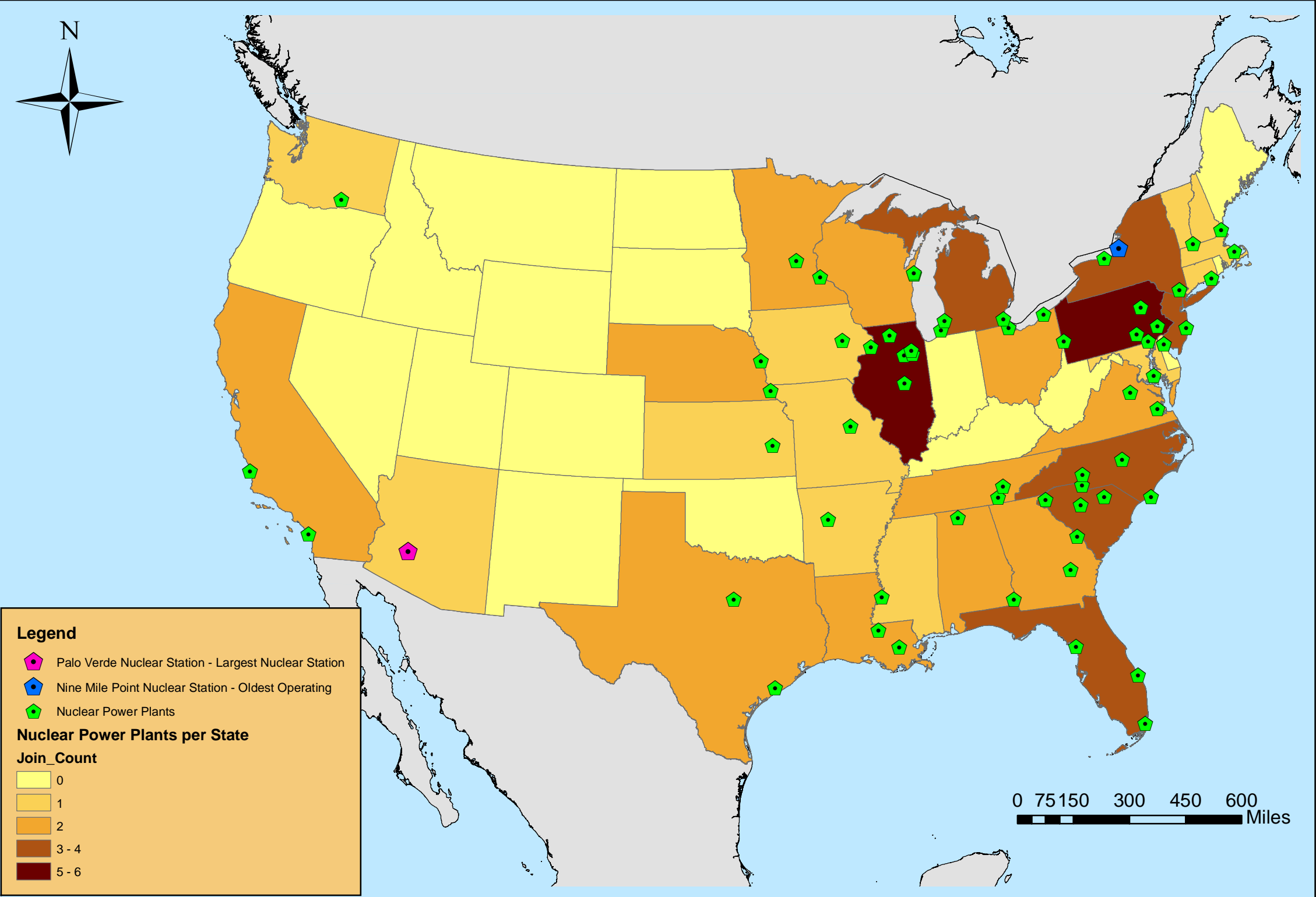


The beautiful weather and beaches makes groups and families flock to Florida every year. A steady 2 percent increase in florida's population and a longing to live by the beach has caused for huge development along most of Florida's coast. This has caused for a dramatic reduction in local species habitat, causing more species to be deemed endangered due to resource compition. This map illustrates the corrilation between high density areas and the abundance of critical habitat areas.

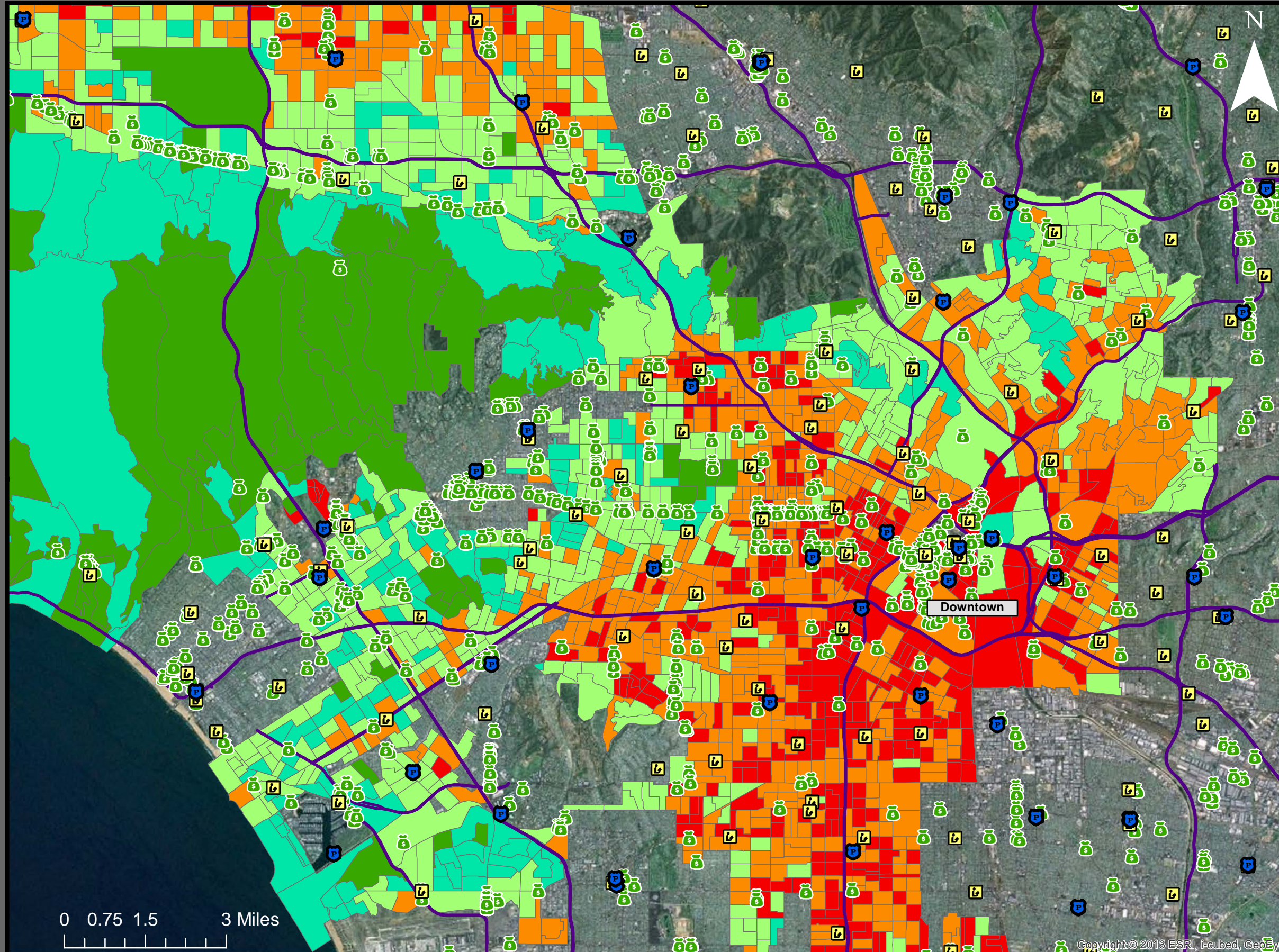


Nuclear Power Plants in United States

Annotations: Nuclear Facilities: <http://www.arcgis.com/home/item.html?id=062d4ea518174021b3520b88dd4270d7>; United States map: census.gov; Nuclear Reactor data: nrc.gov



City of Los Angeles Income vs. Services



The above map shows a heat map of average household income in the City of Los Angeles, compared to the availability of banking locations, police stations, and libraries. A banking location only includes nationally or regionally known FDIC-insured retail banking institutions or credit unions. All banking, police, and library locations are shown inside or outside LA city limits since residents near the city borders might be able to find closer services in other municipalities. It is noted that police stations and libraries are located relatively equitably throughout the city, but private banking institutions are not. Poorer areas of the city have less retail banking options available.

Legend

- Police Stations
- Libraries
- Consumer Banking Locations
- Fwys & State Hwys

Avg. Median Household Income

- \$2,499 - \$30,000
- \$30,001 - \$50,000
- \$50,001 - \$90,000
- \$90,001 - \$150,000
- \$150,001 - \$250,001

Sources:
census.gov
egis3.lacounty.gov
caltrans.ca.gov

Map by:
Ryan Liu

0 0.75 1.5 3 Miles

Copyright© 2013 ESRI, Inc. GeoEye

Top Thailand Destinations

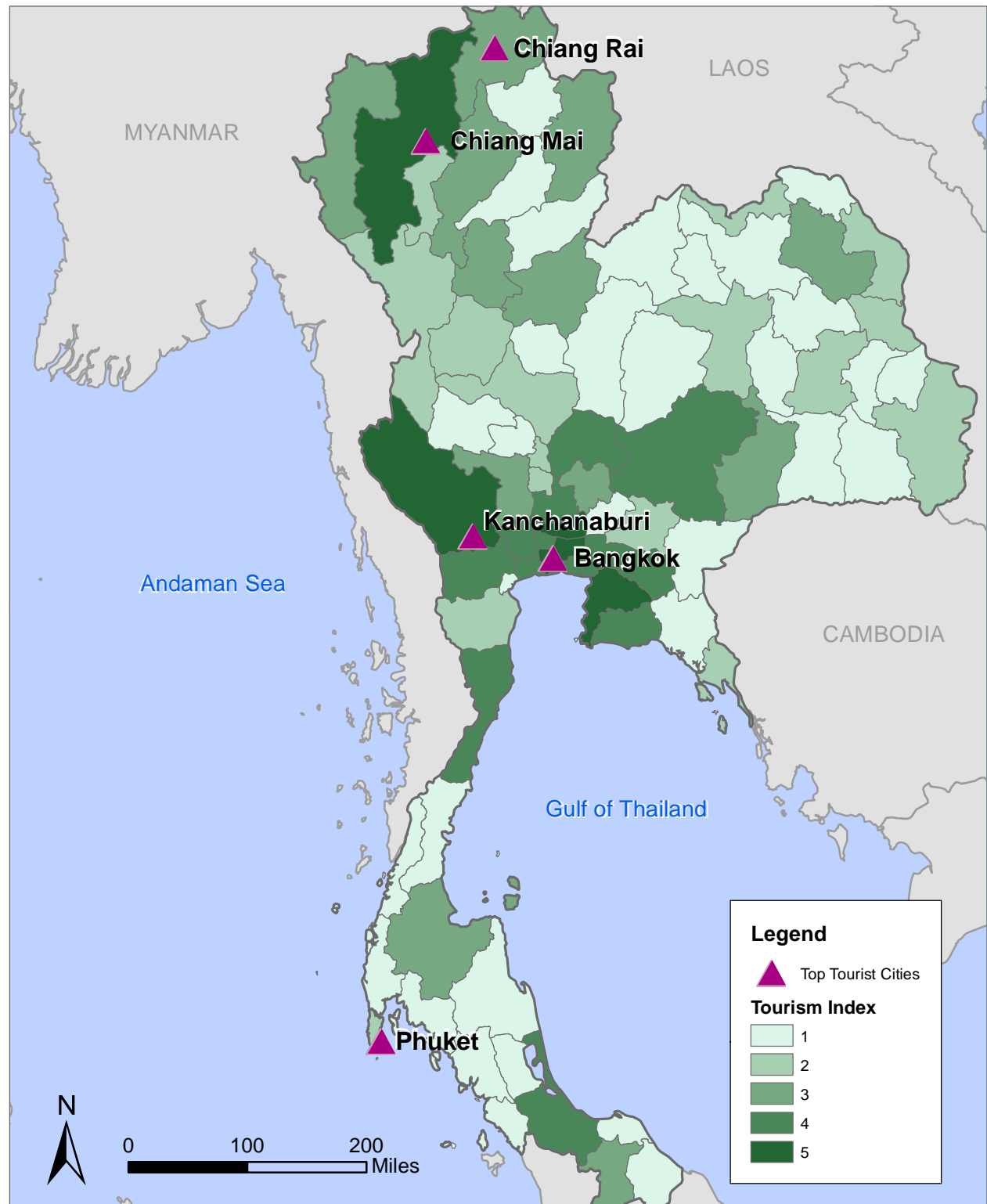
By: Julia Jennings

Data Sources: Diva-GIS and GMS-EOC

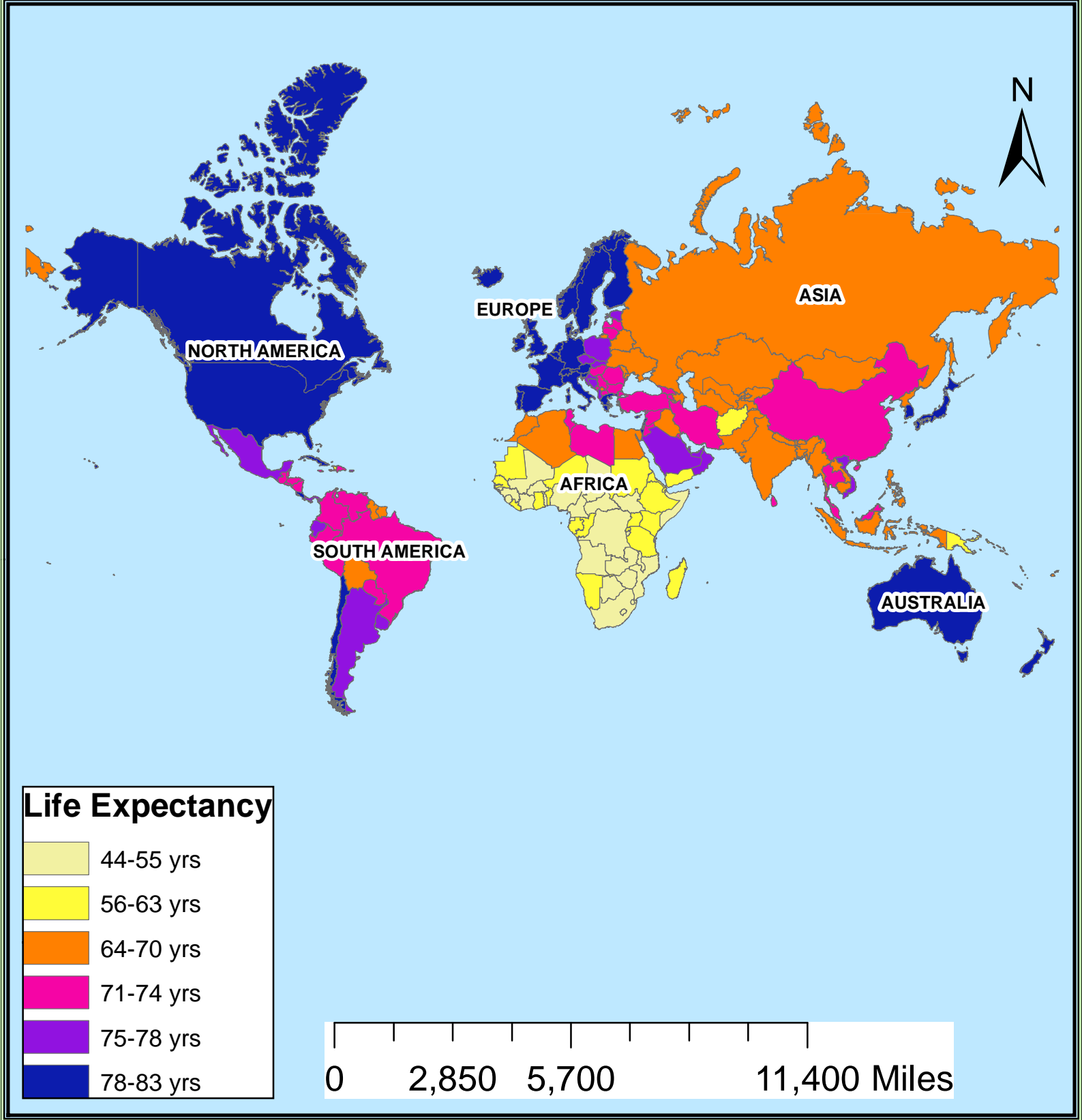
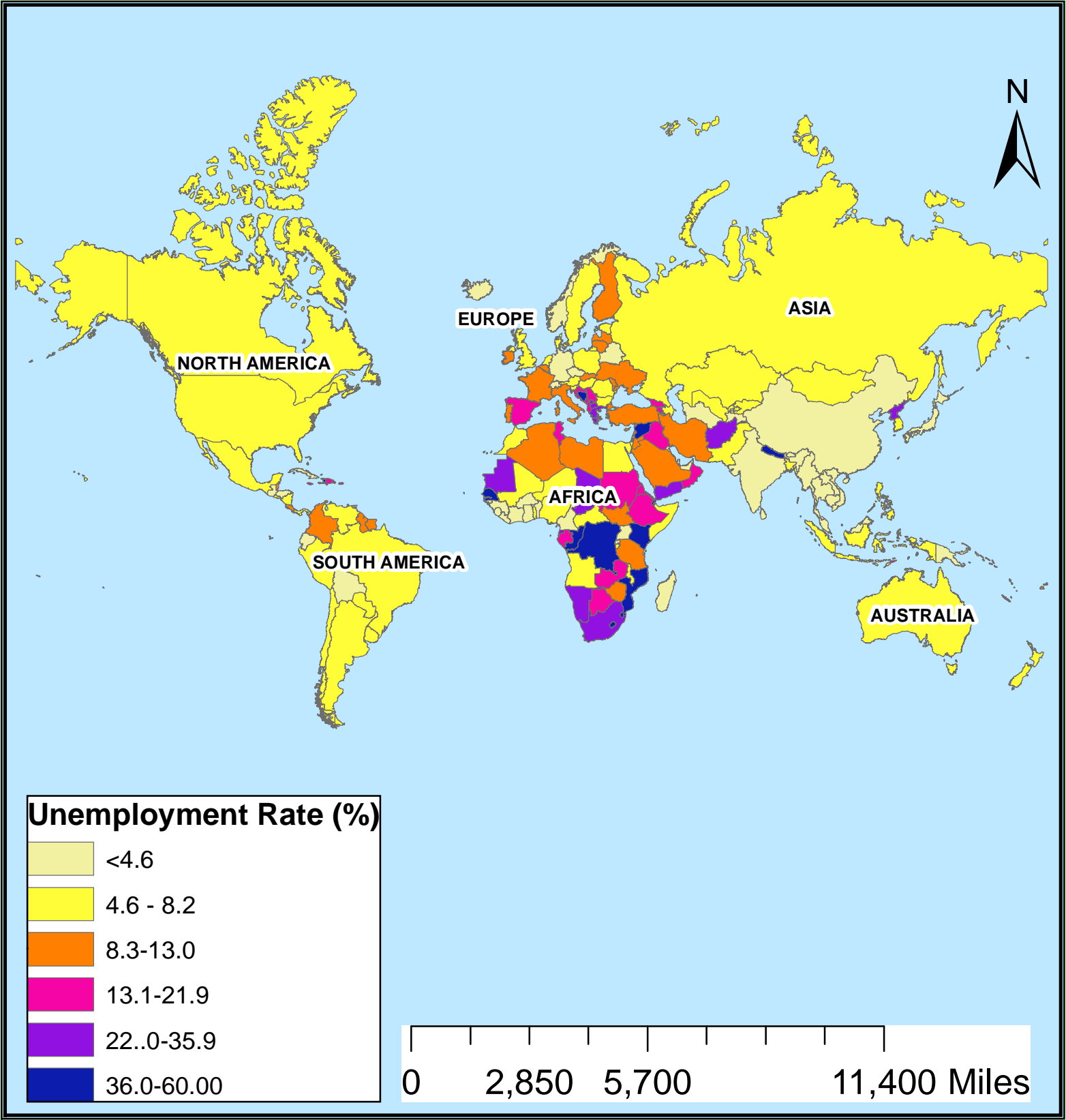
Thailand is one of the most popular Southeast Asia destinations. Thousands of tourists flood to the streets of Bangkok and the shores of Phuket each year. Thailand is a very geographically diverse nation, leading tourists to ask themselves, "What's the best area of Thailand to visit?". The index seen on this map aims to help answer this difficult question.

The Thailand Tourism Index takes four factors into account: Commercial Land Use, Urban Areas, Number of Tourist Sites, and Number of Cities. Each province of Thailand is given a score for each factor and the index is computed by adding these factors to create the score.

Areas surrounding Thailand's most populated, and most visited, cities tend to have a higher Tourism Index. Cities such as Phuket, a tropical peninsula in south Thailand, have a lower Tourism Index due to their isolation from the hustle and bustle of many Thai cities. The Tourism Index is highest around major hubs of metropolitan life, such as Bangkok.



World Unemployment Rates vs. Life Expectancy



The above maps show what appears to be a correlation between unemployment rate and life expectancy. In countries with lower unemployment rates, the life expectancy is typically higher. The converse also appears to be true, in that countries with high unemployment rates have lower life expectancies. However, this correlation does not stand true for all of the cases. This is due to other factors not considered, such as healthcare quality, population, average household income, etc.

Startup Nation: Ranking the States



KAUFFMAN
The Foundation
of Entrepreneurship

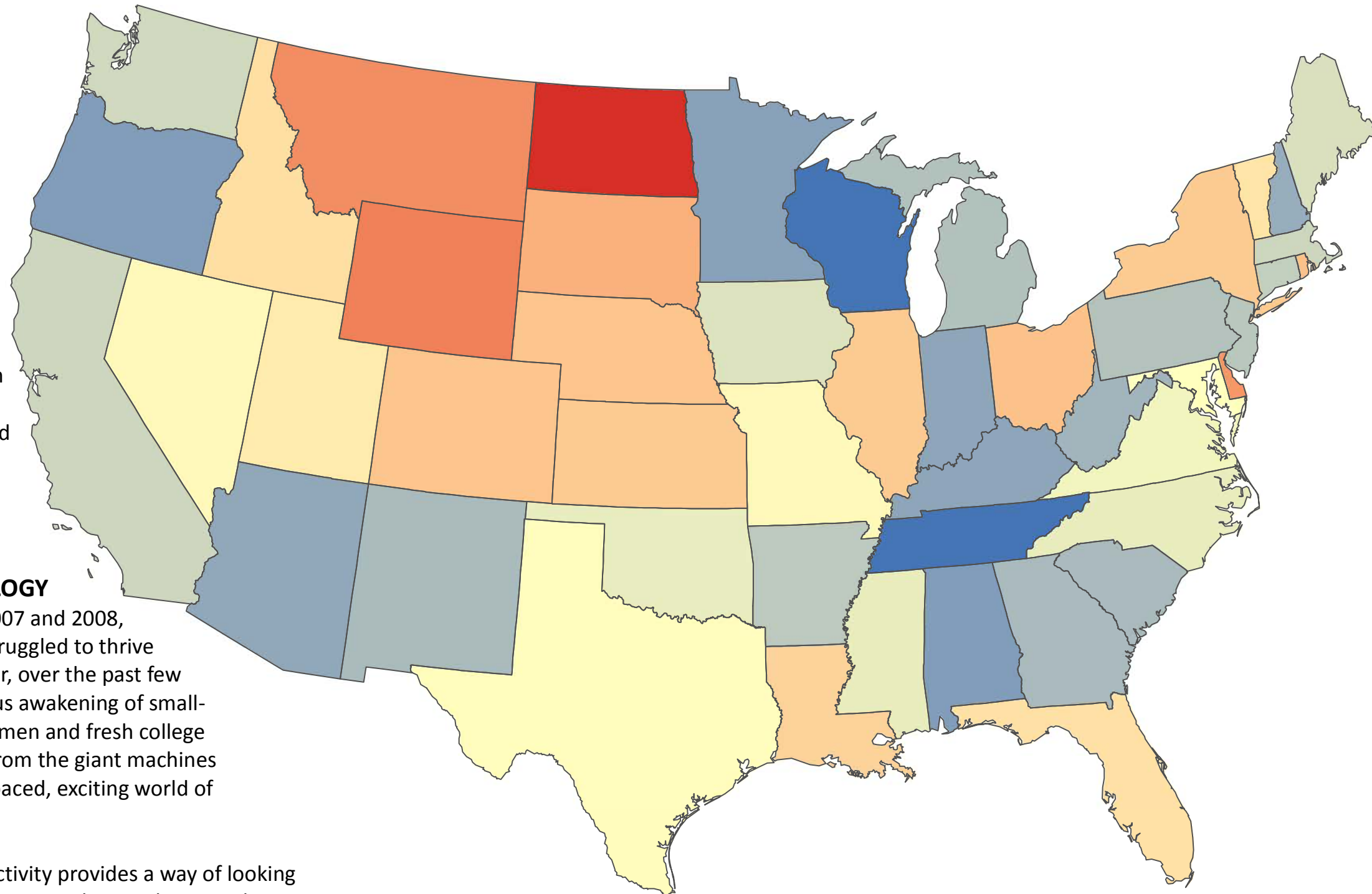
KEY TAKEAWAYS

1. W to NW states lead ranking
2. SE to MW states lag behind
3. California struggles with growth
4. NY surprises to the upside
5. Valuation (\$) size not considered

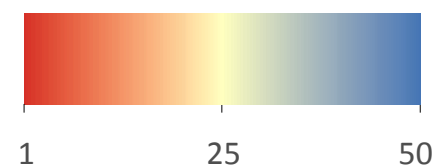
BACKGROUND & METHODOLOGY

After the Great Recession of 2007 and 2008, US business and economy have struggled to thrive in the post-recession era. However, over the past few years, there has been an enormous awakening of small-businesses and startups. Businessmen and fresh college grads are starting to move away from the giant machines that are corporations to the fast-paced, exciting world of the startup culture.

The Kauffman Index: Startup Activity provides a way of looking at startup activity across time and geographies in the United States. Instead of accepting the index values provided by the Kauffman algorithm, I decided to create my own index based on startup population density, rate of new entrepreneurs entering the workforce, and percentage of entrepreneurs coming from previous employment. Growth rates and current measures factor into the final index value assigned to each state.



Hergenrader Startup Rankings



Sources:
Kauffman Foundation
Bureau of Economic Analysis
Bureau of Labor Statistics
U.S. Census Bureau:
American Community Survey
Business Dynamics Statistics
Survey of Business Owners

Top 10 States

1. North Dakota
2. Wyoming
3. Montana
4. Delaware
5. South Dakota
6. Ohio
7. Rhode Island
8. Colorado
9. Nebraska
10. New York

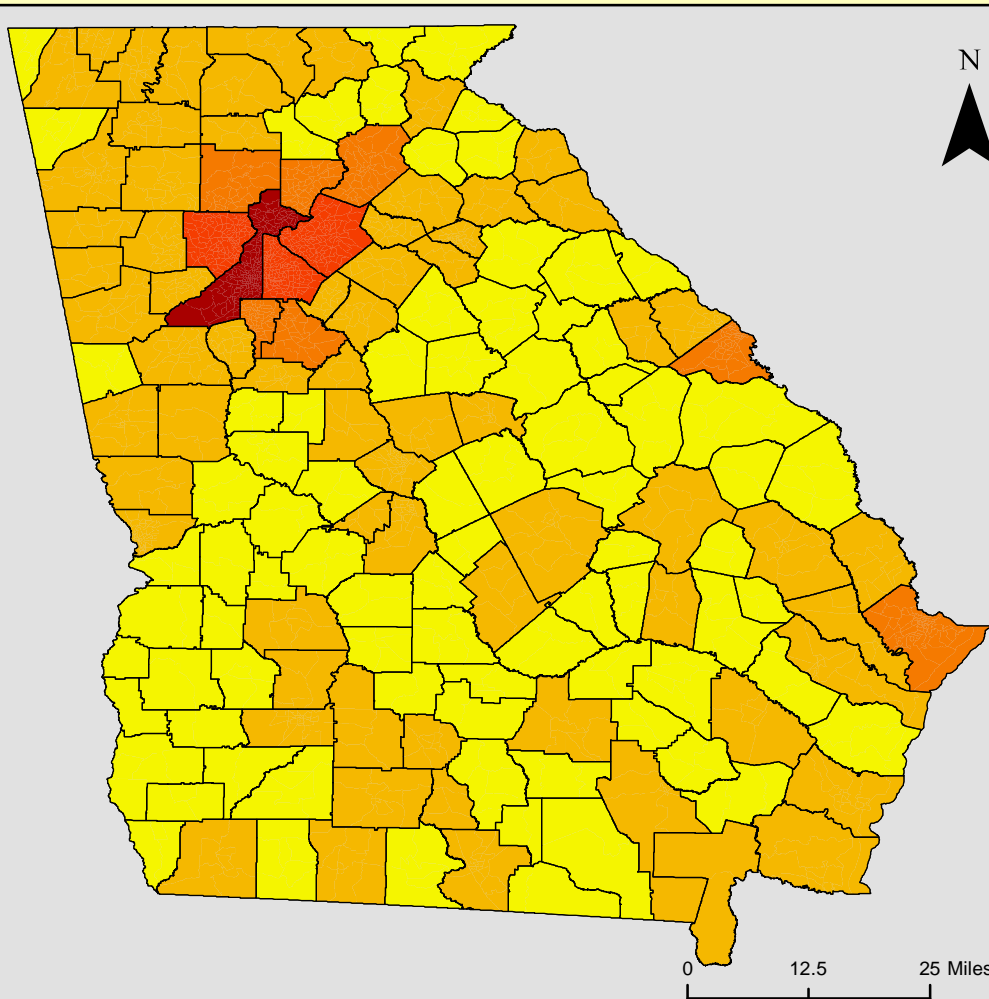
Bottom 10 States

41. West Virginia
42. New Hampshire
43. Arizona
44. Kentucky
45. Indiana
46. Minnesota
47. Oregon
48. Alabama
49. Tennessee
50. Wisconsin

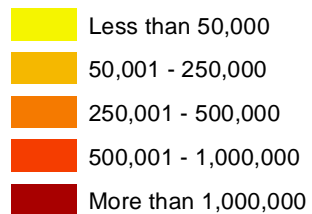
0 70 140 280 420 560 Miles

Created by: Wil Hergenrader (5/2/2016)

Georgia Population

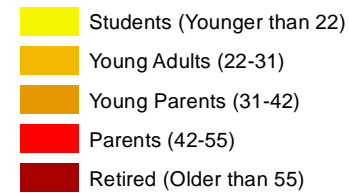
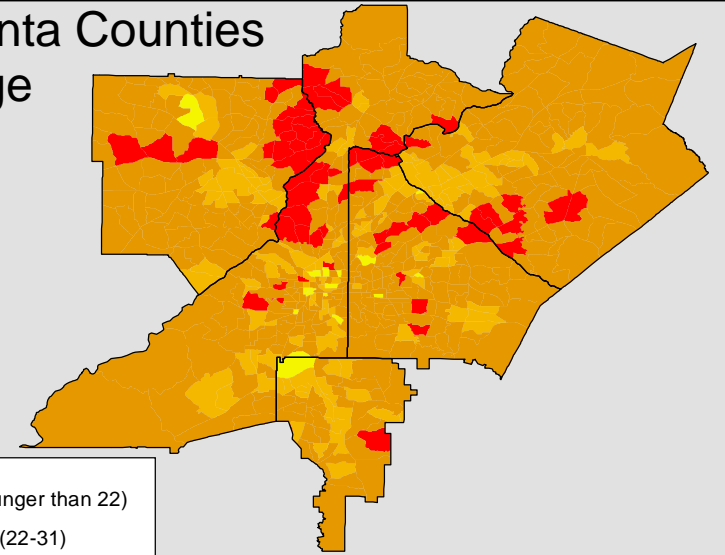


Population by County

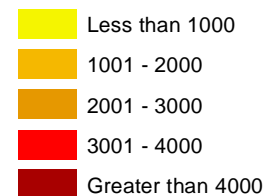
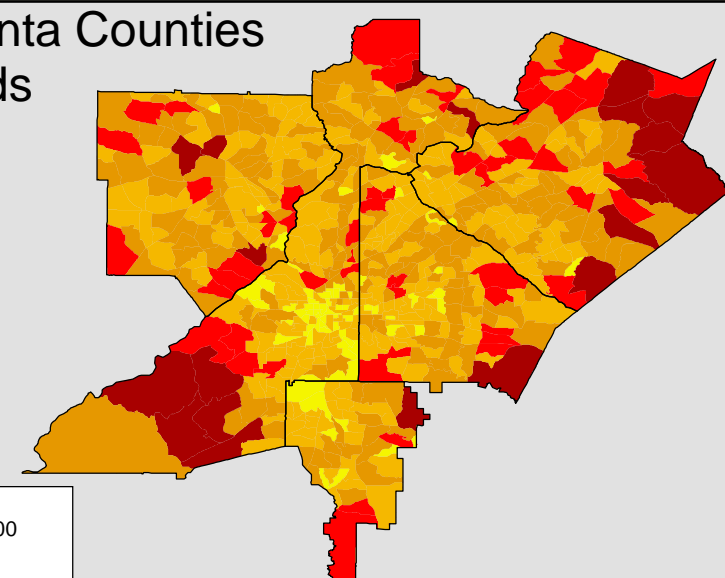


In Georgia a majority of the population is located in Metro Atlanta which is composed of 5 counties. These counties include Clayton, Cobb, Dekalb, Fulton and Gwinnett. A majority of the population in these counties are younger people as there is no area with average age above 55. Also, it is interesting to note that the areas with the younger generations have less number of households.

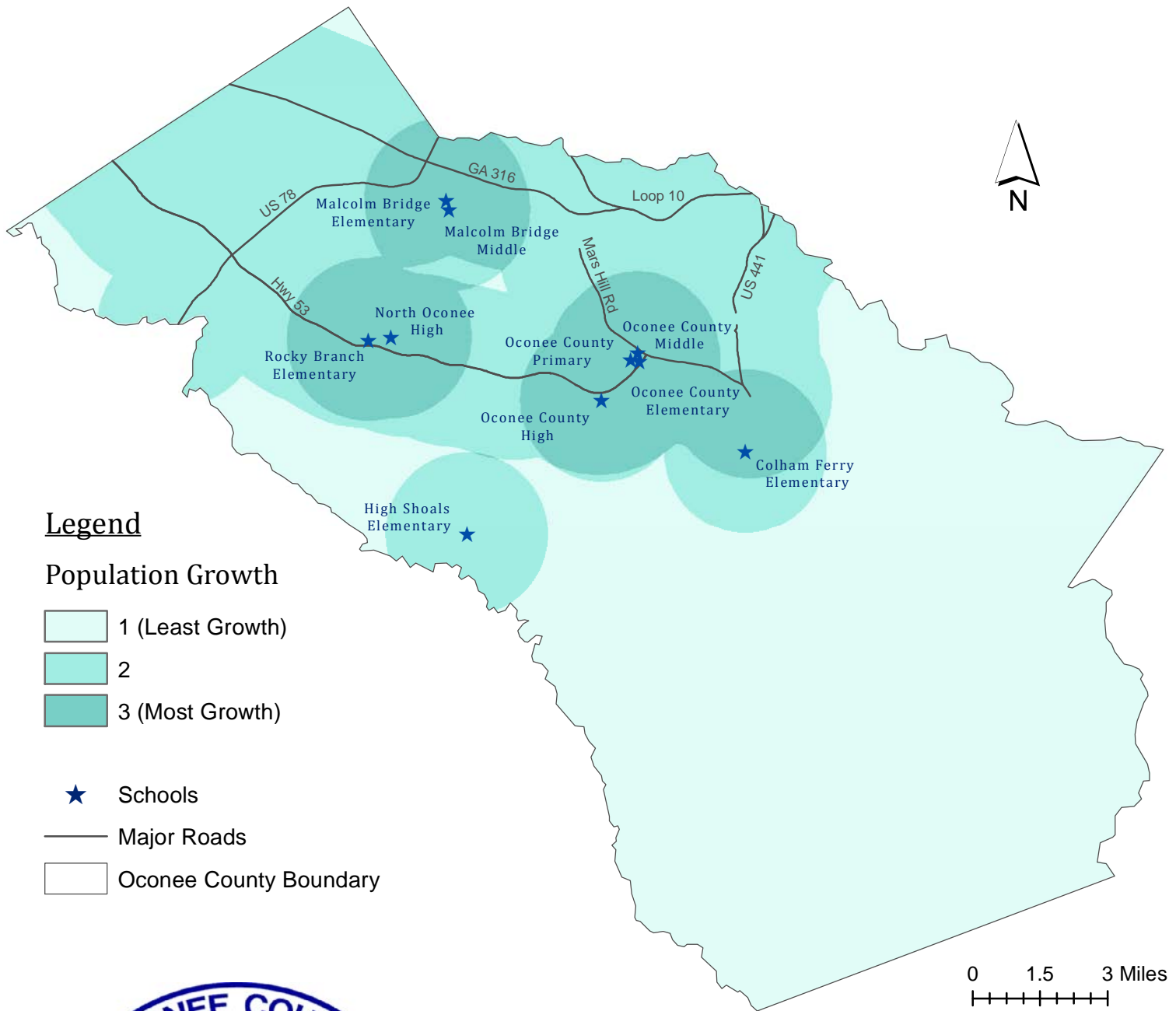
Metro Atlanta Counties Median Age



Metro Atlanta Counties Households



Oconee County Projected Population Growth



Oconee County is located in Northeast Georgia, near the city of Athens. It has experienced significant population growth in recent years due to its proximity to the Athens area, award-winning schools and family friendly atmosphere. This map displays the projected relative population growth across the county based on proximity to school and major roads that link to Atlanta and Athens.

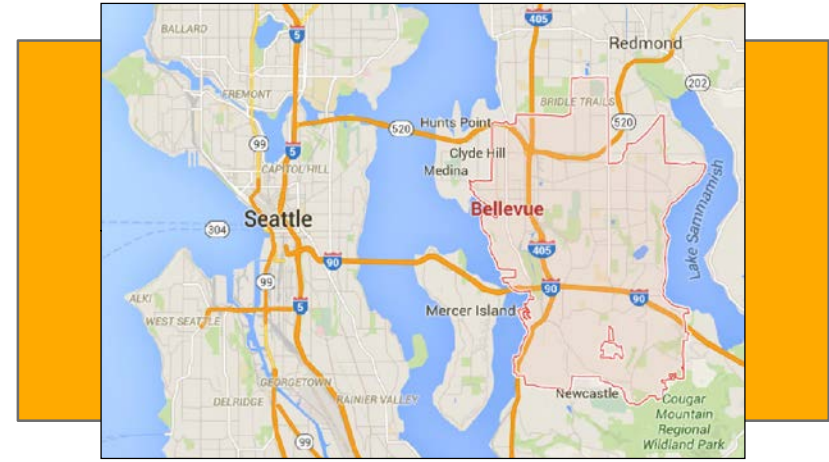
Map by Kelsey Eichbauer 4.30.16

School Locations from Google Maps

County boundary from https://www.census.gov/geo/maps-data/data/cbf/cbf_counties.html

Road data from <https://catalog.data.gov/dataset/tiger-line-shapefile-2013-state-georgia-primary-and-secondary-roads-state-based-shapefile>

Bellevue Neighborhood Safety

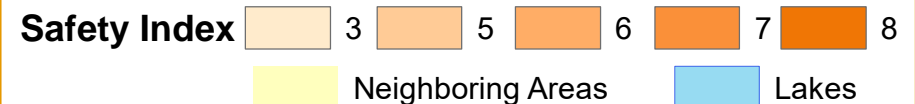


The Seattle Police Department's target response time for priority-one calls is seven minutes, but they consistently miss that in certain parts of town. Bellevue is a city across Lake Washington from Seattle, and is located in King County, Washington. It is Seattle's largest suburb, and was also named number 1 in CNNMoney's list of the best places to live. For the city of Bellevue, the average response time is 11.31 minutes.

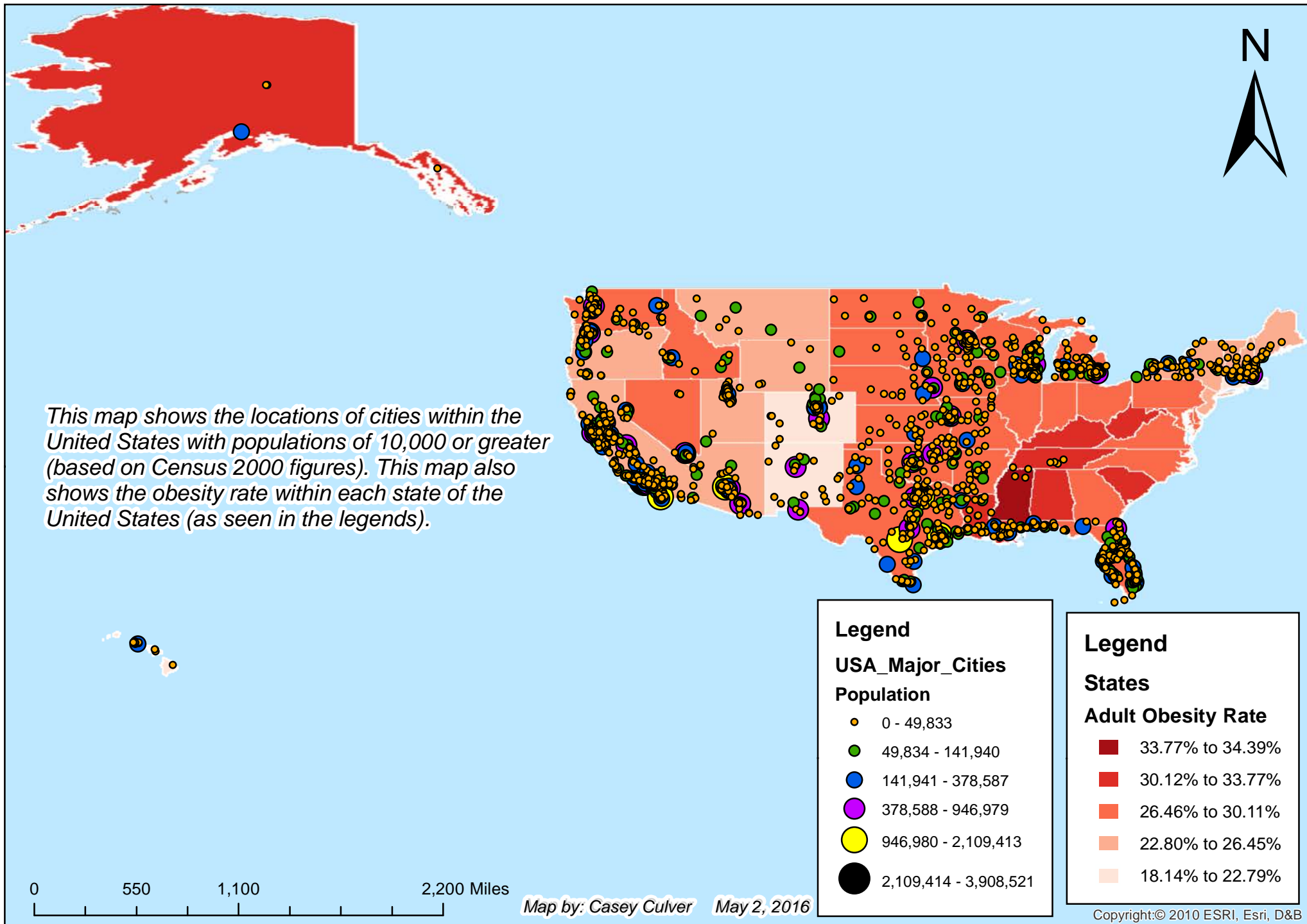
This map ranks the neighborhoods within Bellevue, with a higher index indicating a safer area. Because of the lag in response time, it is crucial that when a person needs help they receive it. Therefore, the safety score is based on both proximity to fire stations and police departments. The highest safety score a neighborhood can receive is 8. Using this safety score, anyone relocating to Bellevue can make an informed decision on the safest neighborhoods in the city.

Sources: CNN Money, Seattle Times

Legend

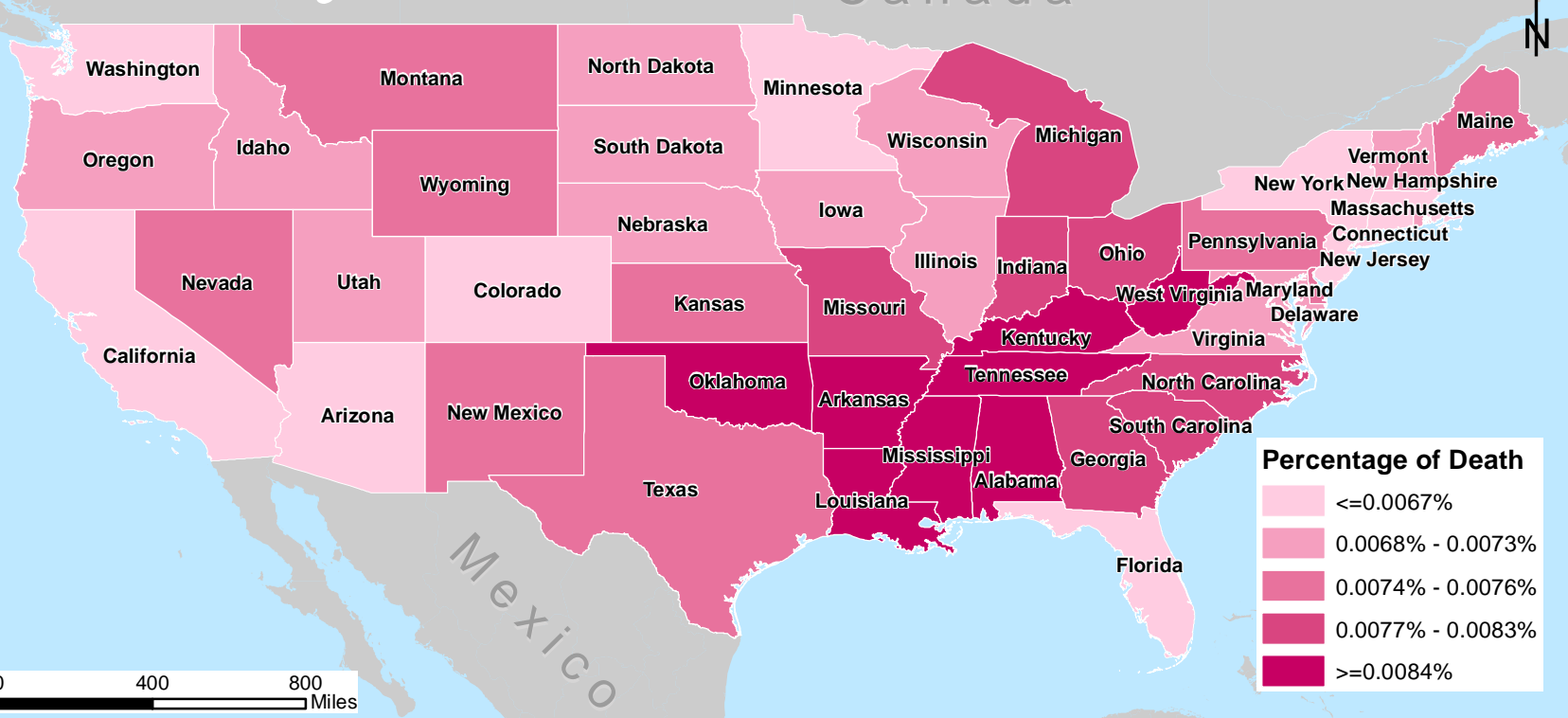


USA Major Cities and Obesity



US Death Rate & HAI Reporting Effectiveness

US Death Rate by State



Background Information:

HAI represents Hospital Acquired Infections which are acquired in hospitals and other healthcare facilities.

CLABSI is a primary laboratory confirmed bloodstream infection in a patient with a central line at the time of the onset of symptoms and the infection is not related to an infection from another site.

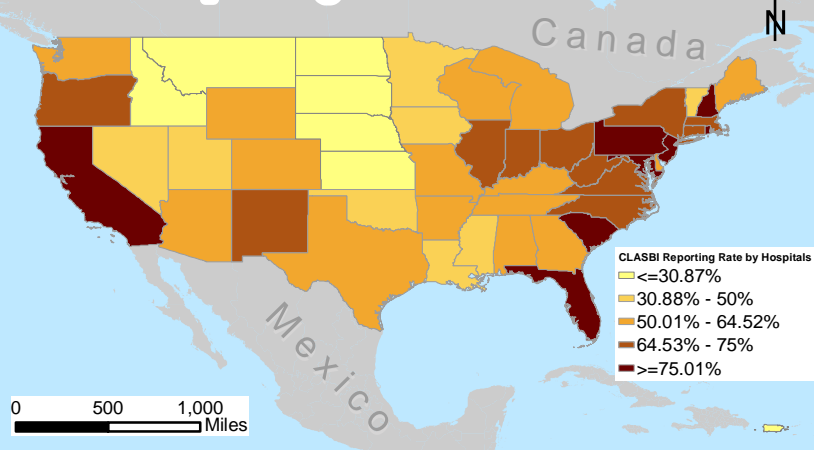
CAUTI is Catheter Associated Urinary Tract Infection. A urinary tract infection is an infection involving any part of the urinary system, including urethra, bladder, ureters, and kidney.

The bottom two maps show the percentage of hospital that reports the incidents of HAI related infection. We want to see is there any relation between the death rate and how effective hospital report HAI cases.

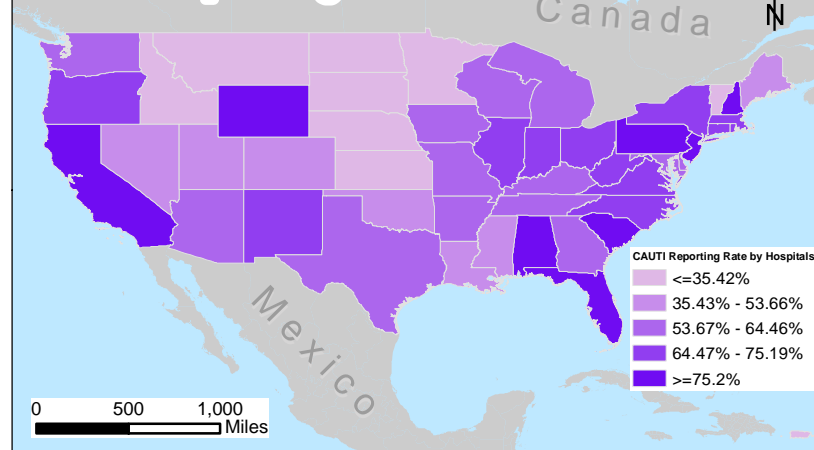
Analysis Summary:

We found out that the higher the reporting rate of the state, the lower the death rate. For example, CA has one of the highest CLABSI and CAUTI hospital reporting rate, but it has one of the lowest death rate. There are couple similar case as CA. At the same time, we need to consider other factors which might affect death rate such as population, popularity among old people. But this map analysis still shows the negative correlation between Death rate and HAI reporting rate.

CLABSI Reporting Rate

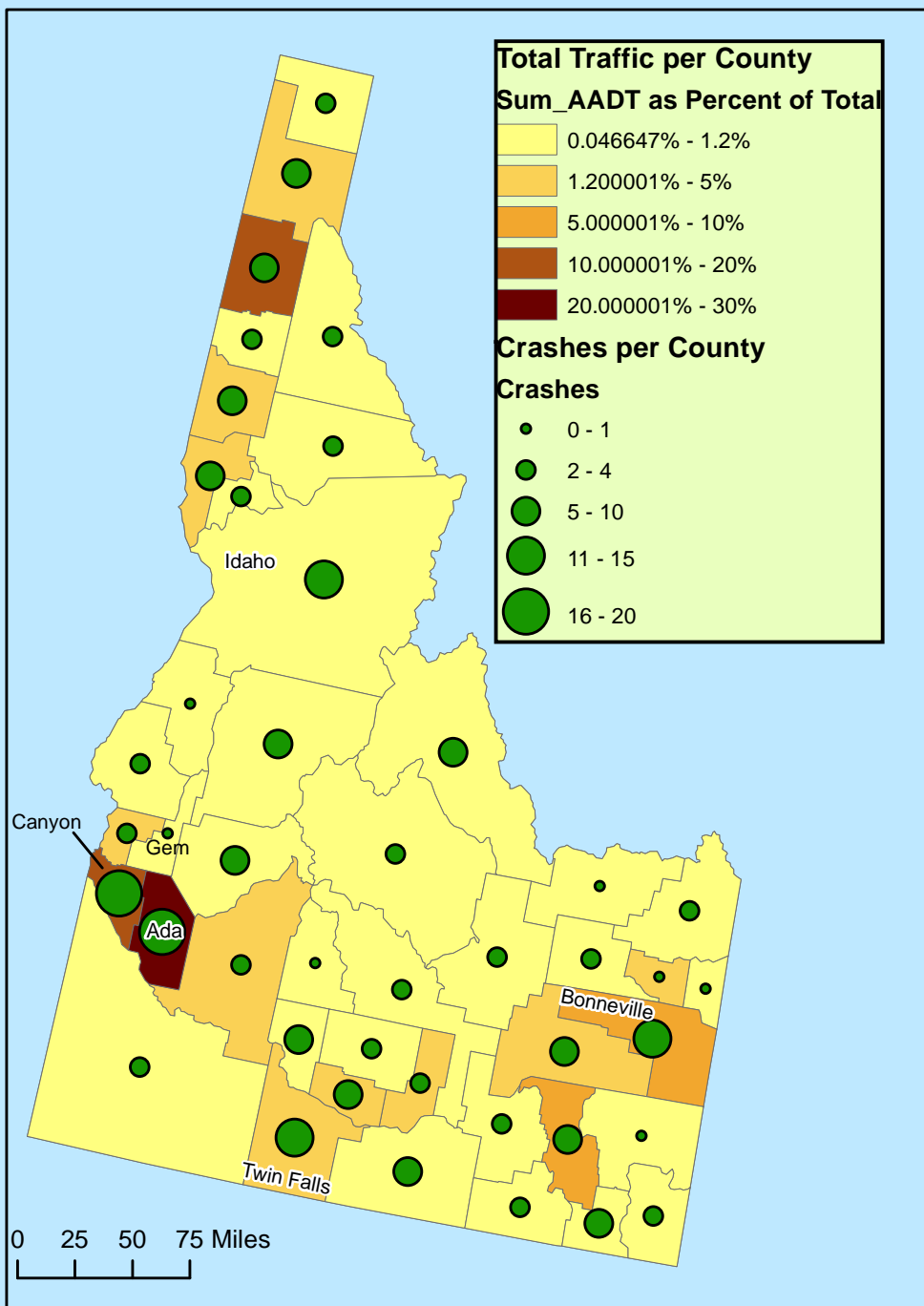


CAUTI Reporting Rate



2014 Vehicle Crashes in Idaho as a Function of AADT

By: Sarat Calamur



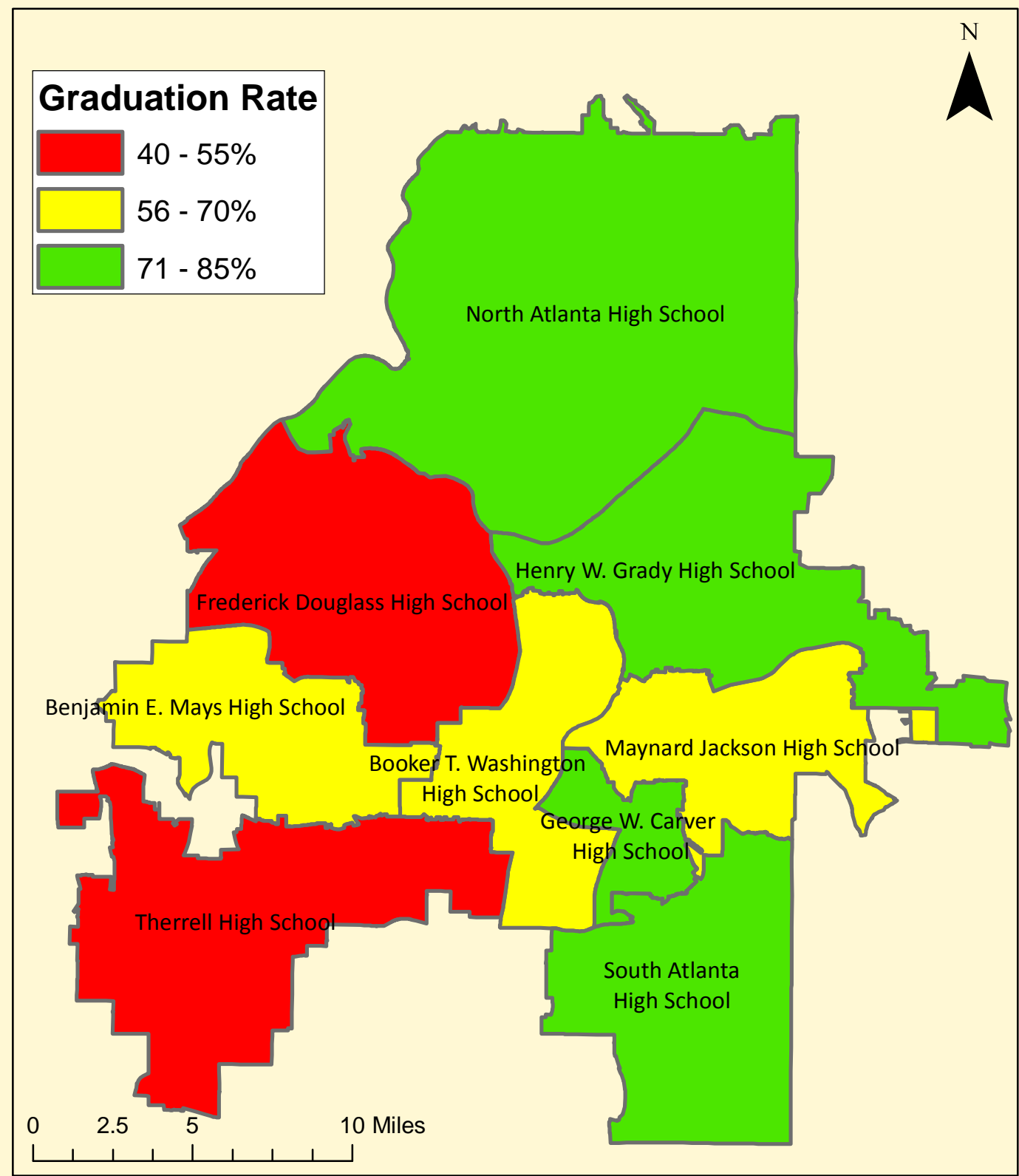
2014 Crash Data for Idaho			
County	Crashes	Non-Criminal	Fatalities
Canyon	19	17	46
Ada	15	14	35
Bonneville	10	9	30
Bannock	8	7	22
Bingham	9	9	20
Idaho	13	3	20
Twin Falls	11	10	20
Bonner	8	8	19
Kootenai	6	6	13

This map presents the vehicle accidents occurring in Idaho in 2014, overlaid a dataset representing the total average daily traffic. The color gradients for each county are percentages of the statewide daily traffic. The five counties with the most crashes in Idaho are labeled on the map. The table above [provides additional data for the top 9 counties in terms of fatalities in traffic accidents. The five highlighted counties are those labeled on the maps. The third row on the table represent the number of crashes where no violations were charged against the driver(s).

Probabilistic logic dictates that more traffic will lead to more crashes, and this trend is somewhat supported by the data. The two counties with the most AADT (as represented on the map) have the most crashes, but the next 3 counties carry far fewer vehicles per day. Idaho county, in particular, is not heavily traveled compared to other counties but is home to the fourth most crashes in the state. Other factors such as road safety, types of vehicles, and weather probably contribute to this discrepancy

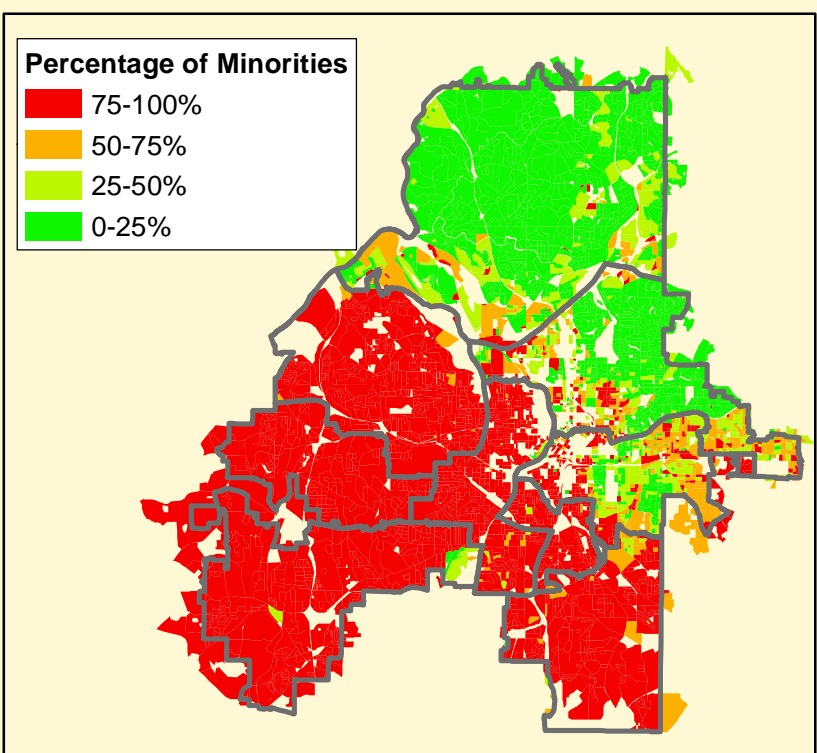
The AADT data was provided per road by the Idaho GIS clearinghouse, and a spatial join was used to sum the AADT by county. Crash data was provided by the National Highway Safety Administration

The Relationship Between Race, Poverty, and Graduation Rates in Atlanta Public Schools

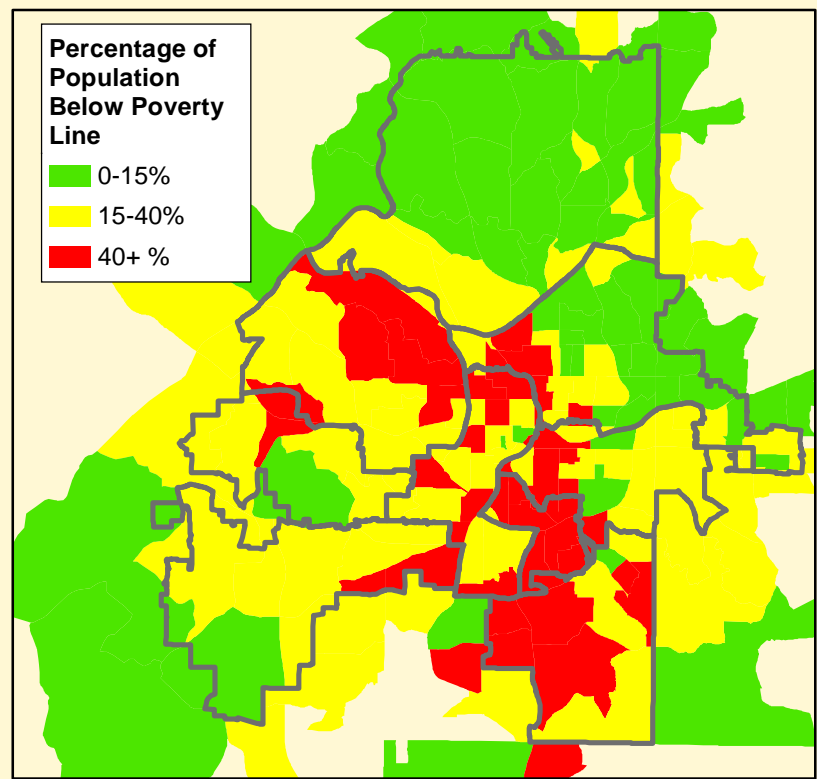


Map by: Marie Bartels

Sources: US Census Bureau, Atlanta Public Schools



Atlanta Public Schools have a long history of being subpar with low graduation rates and education quality. Atlanta ranks 199 out of 200 large population school districts. While the graduation rate has improved an average of 5.1% since 2011, the graduation rate remains at 59.1 percent across all schools.



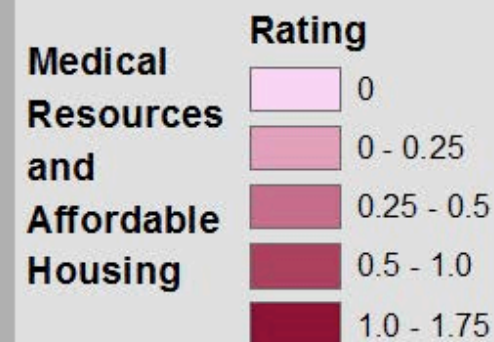
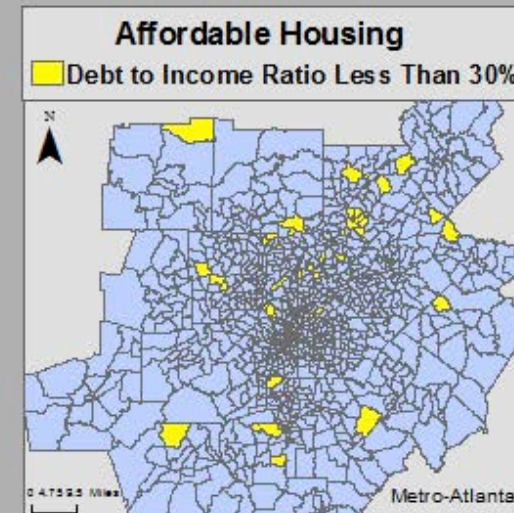
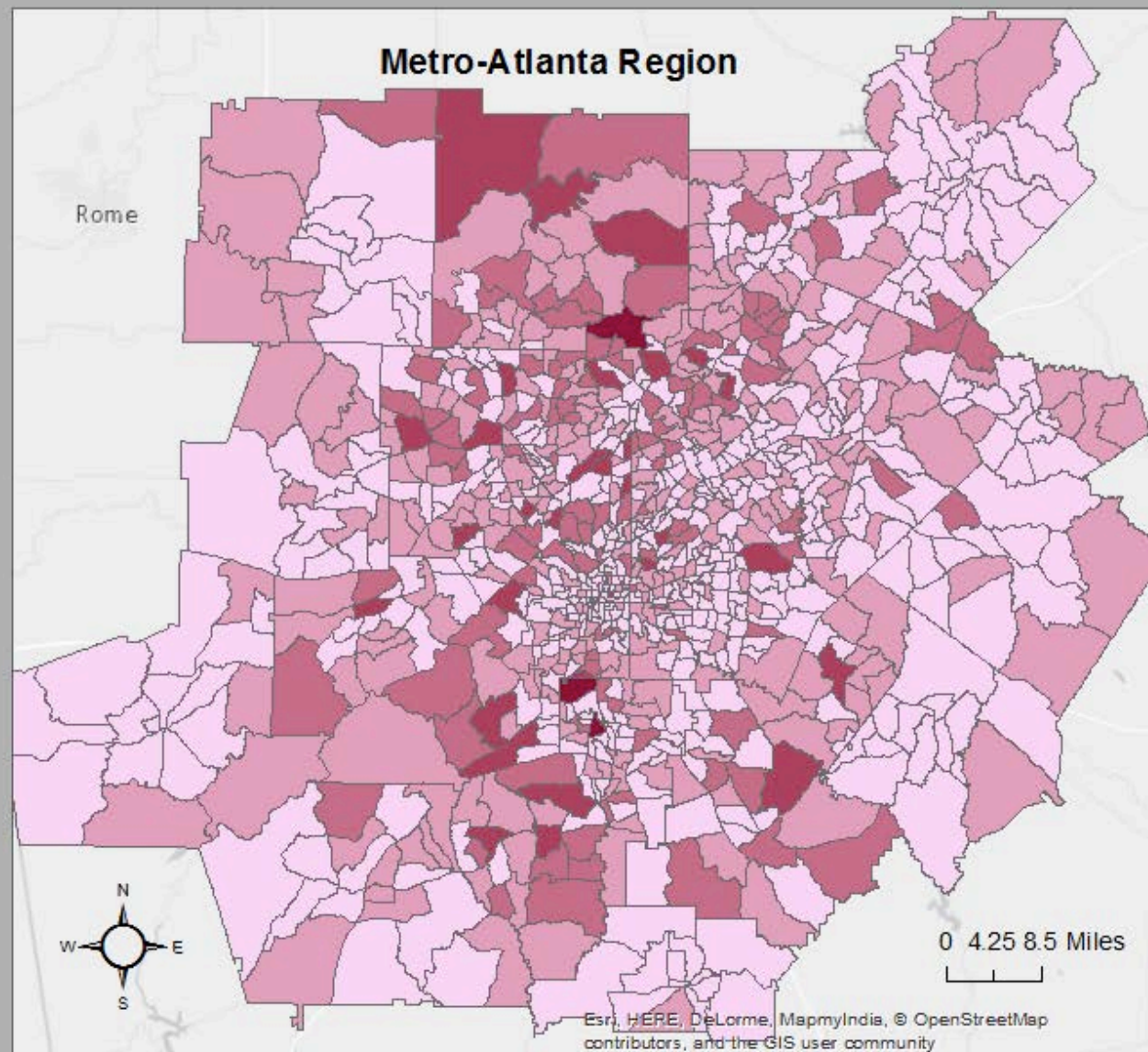
Atlanta is also one of the most diverse and poorest urban areas in the country. What impact, if any do either of these factors have on graduation rates?



Health and Affordability

The map below aids in assessing levels of medical coverage based on economic status in the Atlanta Region.

The map analyzes affordable areas and prevalence of medical resources such as hospital and emergency medical services. Affordable areas are defined as areas where the average housing payments are less 30% of income. A rating system was created for this map that takes into account these factors, focusing attention on areas not meeting preferred ratings of 1-2.



Source: <http://arcgis.atlanta-regional.com>
 Metadata: Housing and Transportation Affordability Type 2 Families
 Emergency Medical Service Community Facilities
 Hospital Community Facilities
 Image: http://web.lit.edu/sites/web/files/field/uploads/slideshow/full-body-slide/2015/main_home1_770x350.jpg

Crime in Atlanta

This series of maps aims to give information about crime in the City of Atlanta. The map on the top right shows the types of crimes (murder, robbery, rape and aggravated assault) across six different zones in Atlanta.

These zones are defined by the Atlanta Police Department. The map on the bottom left shows the density of crime in each zone. The lightest zones have lowest crime density. The map on the bottom right has different zones based on the number of crimes. Rank 1 zones have the lowest crime and are light coloured.

This map does not factor in the density of crime. Thus, the maps show that Zone 2 is the safest, whereas Zone 5 and 6 are the most prone to crime.

This map was made by Maithili Appalwar on 4/27/2016. The data was found on the website of the Atlanta Police <http://www.atlantapd.org>. The basemap was added via ArcGIS Basemaps.

