WEDNESDAY NOVEMBER 18 | 9AM - 4PM | ARCHITECTURE EAST MAP AND POSTER GALLERY
WINNERS POSTED AT 3PM | RECEPTION TO FOLLOW

GEORGIA TECH'S CENTER FOR GIS AND STUDENT PLANNING ASSOCIATION PRESENT:

GIS DAY
MAP & POSTER
COMPETITION

Submit GIS work from your studies or research to the GIS Day Map & Poster Competition! This year's contest is open to all current students and alumni.

Submission Guidelines:
1. Please deliver printed submissions to Caroline Burnette or Chelsea Leitz by Nov. 16.
2. Submissions should be no larger than 30" x 48" and no smaller than 17" (width or length).
3. For submissions with multiple authors, please list all contributors.

Please contact Caroline Burnette at cburnette@gatech.edu or Chelsea Leitz at ctesty@gatech.edu with any questions.
The Southeastern portion of the United States is known for many things besides its stretches of sandy coastal beaches with frolicking kids and its mild, humid climate. It is known for its welcoming people and southern hospitality, the place where country music was born, fine cuisine, Latin influence, important shipping ports, swamps, and hurricanes. Just to name a few, it is home to Disney World, the most visited theme park in the world, as well as the Great Smoky Mountains National Park. Steeped in history, Native American tribes such as the Cherokee lived off the land, and it was part of events that ultimately shaped the country such as the American Revolution and the American Civil War.

Legend:
- **Urban Areas Population Density**:
  - Captain
  - Cities
  - Lakes
  - Rivers
  - Most Dense
  - Dense
  - Less Dense

Sources:
- nationalatlas.gov
- usgs.gov, co-state-facts.com

Map by Andrew Allard
El Salvador

Although its near the size of Massachusetts, El Salvador contains many viewpoints and cultural centers. El Salvador is made up of 14 departments. Within these departments, you'll find either a major city or scenic volcanoes. The 14 stratovolcanoes are major attractions for hikers. Coatepeque Caldera and Ilopango, are calderas formed after an eruption and now famously attract tourists for their picturesque landscapes. The volcanic fields, such as the Apatepeque Field, provided rich soils for coffee plantations. Though El Salvador has gone through a lot of violence in recent years even after the end of the civil war in 1992, there are still many features that attract tourists to El Salvador. Seen below are the volcanoes around El Salvador, major highways, major cities, and departments.
Florida's Critical Wildlife Areas Impacted by Harmful Algal Blooms

Legend
- Cities
- Critical Wildlife Areas
- Harmful Algal Bloom Events
- Major Rivers
- Farmland
- State Boundaries

Harmful algal blooms (HABs) are defined as the proliferation of toxic algal species that negatively impact the health of wildlife and humans. Critical Wildlife Areas (CWA) inhabited by sensitive and endangered species are especially prone to the adverse effects of HABs. Observations of HAB outbreaks are being reported with increasing frequency along U.S. coastlines, causing growing concerns nationwide.

Studies have shown a strong correlation between excess nutrient runoff from agricultural areas and HABs incidents through their connecting drainages areas. The western coast of Florida in particular, which consists predominantly of farmland, continues to be a growing area of concern for its CWAs due to the area’s frequent and large outbreaks of HABs.

Sources: MOGIS Data USA State Boundaries. Florida Fish & Wildlife Conservation Commission; National Oceanic & Atmospheric Administration

Map By: Anita Nguyen
October 7, 2015
This map displays a "Natural Earth" perspective of Australia and some surrounding areas to provide an idea of some modes of transportation and shipping that are available in the region. The "Natural Earth" raster allows the reader to get a sense for different geographic regions in the area. For example, the brown area in the center represents a desert, and it can be seen that there are relatively few population centers and relatively few ways to reach the area via ground or air travel. The map also provides an inset map of Tasmania, the island country to the southeast of Australia, for easier viewing.

Map By: Nilan Venugopal, Georgia Tech, CP 4310

Source: http://www.naturalearthdata.com/downloads/
Kashmir is a region that is at the center of a territorial dispute between India and Pakistan that has its roots in the 1947 partition of the Indian subcontinent.
The Roman Empire was among the most powerful economic, cultural, political and military forces in the world of its time. It was the largest empire of the classical antiquity period, and one of the largest empires in world history. At its height under Trajan, it covered 5 million square kilometers and held sway over some 70 million people, at that time 21% of the world's entire population. The longevity and vast extent of the Empire ensured the lasting influence of Latin and Greek language, culture, religion, inventions, architecture, philosophy, law and forms of government on the Empire's descendants.

From Wikipedia: Roman Empire
Wonders of the Civ V World

The real world locations of World Wonders in Sid Meier's Civilization V, based on their in-game locations. It also shows the locations of city states that the player may find helpful. This map may be useful for players playing on the Continental base map.

List of Wonders:
- Sydney Opera House - Sydney, Australia
- CN Tower - Toronto, Canada
- Great Wall - Beijing, China
- Forbidden Palace - Beijing, China
- Great Library of Alexandria - Alexandria, Greece
- Pyramids of Giza - Cairo, Egypt
- Notre Dame de Paris - Paris, France
- Neuschwanstein Castle - Hohenschwangau, Germany
- The Colosseum - Rome, Italy
- Statue of Zeus - Olympia (Pyrgos), Greece
- Taj Mahal - Agra, India
- Parthenon - Athens, Greece
- Hanging Towel of Vienna - Vienna, Austria
- Great Mosque of Damascus - Damascus, Syria
- Machu Picchu - Cuzco, Peru
- The Kremlin - Moscow, Russia
- Hagia Sophia - Istanbul, Turkey
- Stonehenge - Wiltshire, England
- Big Ben - London, England
- Statue of Liberty - New York City, United States
- The Pentagon - Washington, D.C., United States

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The United Arab Emirates and its neighbouring territories

The United Arab Emirates is a federation of seven states (emirates) found on the Arabian Peninsula. Despite the independence of each state (Abu Dhabi, Dubai, Ajman, Fujairah, Ras al Khaimah, Sharjah, Umm al Qaiwain), the government is composed of a Supreme Council of Rulers who appoint the prime minister and the cabinet (BBC News, 2015).

Abu Dhabi is home to more than 200 islands. Oyster Island is a heritage sanctuary, preserving old Arabian oyster and pearl farming, ancient shrines, historic boats, and old residential communities (www.fishtown.com).

The Palm Islands and the World Islands, often called the eight wonders of the world, are the world's largest artificial islands. Construction of these islands took only four years and each island needed nearly 12 million tonnes of rock and 33 million pounds of sand to construct (International Business Times, 2012).
Yosemite National Park is located in the central eastern portion of the state of California. Yosemite was one of the first areas to come under protection of the federal government from development, paving the way for the future establishment of the national park system. Approximately 95% of the park is designated wilderness, with the majority of visitors spending their time in the Yosemite Valley. Formed by glaciers, the valley boasts gorgeous granite rock formations and waterfalls. The map to the right shows an overview of the entire park, including roads, rivers and lakes. Also noted on the map are four of the more notable sites in the Yosemite Valley, with pictures of each shown below for reference.

(1) El Capitan
(2) Bridalveil Falls
(3) Glacier Point
(4) Half Dome
Capturing Metro Atlanta's Food Environment: A Community Level Assessment of Three Disparate Areas

Methodology:

A food environment map was developed by the Atlanta Center for Public Health. The map was created using data from the Food Environment Survey (FES) conducted by the Atlanta Regional Commission. The FES is a comprehensive assessment of the local food environment, including the availability and accessibility of healthy food options. The map was created using a combination of GIS data and surveys to create a detailed picture of the food environment in the three communities.

Results:

The map shows a clear pattern of food access disparities in the three communities. In the first community, there is a high density of supermarkets and grocery stores, indicating good access to healthy food options. In the second community, there is a lower density of these options, indicating limited access to healthy food. In the third community, there is a lack of supermarkets and grocery stores, indicating severe food access disparities. The map also highlights areas with high concentrations of fast-food restaurants and convenience stores, indicating potential health risks associated with limited access to healthy food options.

Conclusion:

The map and analysis provide a comprehensive picture of the food environment in the three communities. The findings highlight the need for targeted interventions to improve access to healthy food options, especially in the third community, which has the most severe food access disparities. The analysis also underscores the importance of collaboration between local government, community organizations, and non-profit organizations to address food access disparities and promote healthy eating habits.
Spain is the first country in the history of the UEFA Champions League to have five teams competing. Since Barcelona already qualified for the group stage (as the champions of the 2014-15 La Liga), the berth in the group stage is given to the Europa League title holders, Sevilla.
Maintaining an Urban/Rural Divide:
Land Use Change Inside and Outside of Urban Growth Boundaries in Lancaster County, Pennsylvania

Lancaster County Land Use Change
2001 to 2006

Legend
- Water
- Developed - Low
- Developed - Medium to High
- Forest
- Grass/Shrub
- Agricultural
- Wetland
- Non-Developed to Developed Change
- Urban Growth Boundary

Author: Margaret Kent, December 2013
Lancaster County Planning Commission
Projection: Pennsylvania State Plane South, NAD 1983 Foot

Most New Development Has Occurred Inside the Urban Growth Boundaries

Land Use Change Inside vs. Outside Urban Growth Boundary
2001-2006

Methodology

By: Margaret Kent