Regional Landscapes of the United States and Canada

The Southern Coastlands: on the subtropical margin

Prof. Anthony Grande

EXAM TWO

- Thursday, April 18
- Chapters 4-11.
- Same format as Exam One.
- Take-home extra credit for exam 2 will be due on April 18.

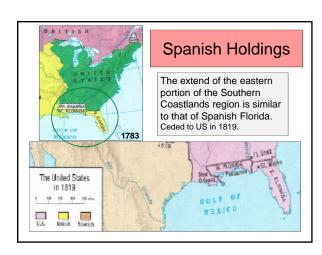
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The Southern Coastlands Region

Stretches from the Outer Banks of North Carolina to South Texas and the Mexican border, including all of Florida.



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OVERVIEW – physical geography

- Low-lying coastal area focused on the sea; spacious natural harbors that become ports.
- Relatively flat terrain with slow flowing rivers, swamps and marshes; focused attention inland.
- Sandy barrier islands and lagoons parallel the coastline; creates the Intracoastal Waterway System.
- Warm, humid climate with ample precipitation except for the South Texas area.
- Annual hurricane threat.
- Global warming with rising sea levels is a major concern.



OVERVIEW – human geography

Population

- High percentage of retirement-aged people
- Large number of people who are seasonal residents
- Greater mix of ethnic/cultural groups and lower percentage of African-Americans than the South

Economic Sub-regions

- East: recreation, agriculture, retirement communities
- West: resource extraction, industrial production, fishing, trade (break-of-bulk and transshipment)

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Resources

- Continental shelf
 - Atlantic and Gulf of Mexico shelf areas are wide
 - Prime areas for **ocean fishing** (commercial and sport)
 - Contain extensive oil and gas deposits
- Salt underground salt domes mined for rock salt.
- Sulfur from cap rock over salt deposits (LA, TX)
- Phosphorus from deposits in Florida
- Political issues and environmental problems related to the extraction and use of resources.

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Varied Urban Areas

Charleston and Savannah: historic colonial cities. Jacksonville: the largest U.S. city in area; it is a

deep water port and industrial center

Miami: chief city of Florida and regional hub.

Fort Lauderdale, Orlando and Tampa: vacation destinations

Mobile: a deepwater port and aerospace center.

New Orleans: port in the Mississippi Delta; gateway to the interior of North America.

Houston: region's largest city; port and airline hub; an industrial, corporate and financial center.

Corpus Christi: an industrial/agricultural port city.

- Cfa Humid Subtropical throughout the region; hot humid summers, mild winters; year-round precip.
- South Florida is Aw -Tropical Savanna (winter dry).
- South Texas is BSh -Subtropical Steppe (semi-arid with hot summers).
- Very long growing season (over 270 days)

Climates



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Bayou

Defined as either:

- (a) body of water or wetland found in flat, low-lying areas
- (b) an extremely slow moving stream with a poorly defined shoreline.

Probably comes from the Choctaw word **bayuk**, meaning a small stream, and applied by French Acadian immigrants to any waterway.



The Everglades

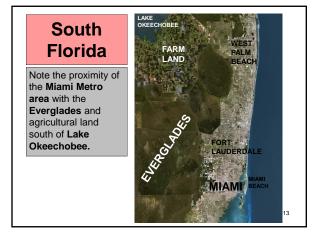
The **Everglades** of South Florida is a unique ecological region.

 It is in danger because of fresh water diversion to Miami and farmland and because of east-west road construction.



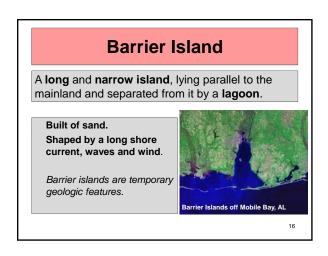


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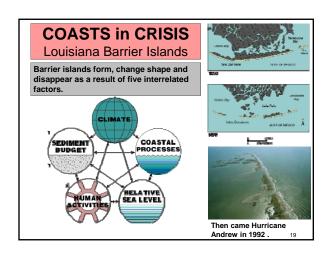




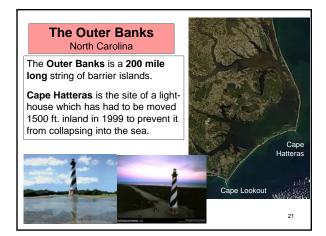












Florida Keys

- The Florida Keys is a chain of coral islands, linked by causeways, stretching 130 miles from Key Biscayne to Key West.
- The Florida Key Formation is the world's 3rd largest barrier reef.
- A cay or key is a low coral island (Sp. cayo = shoal)
- *Key West is the southernmost and most tropical part of the U.S. outside of Hawaii.

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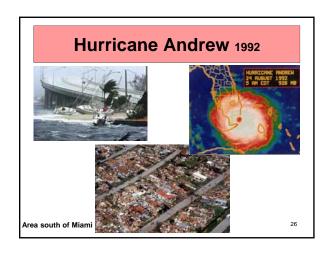


Natural Hazards

- Coastal hazards
 - Wave erosion
 - Storm surge
 - Rising sea level
- Subsidence and sinkholes
- Hurricanes
 - In path of storm tracks from Africa and the Caribbean
- Winter freeze (rare)
- Fresh water supply problem
 - Land too flat for reservoirs.
 - Salt water intrusion into groundwater in coastal areas

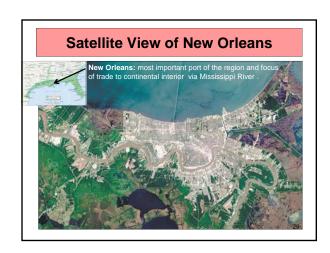
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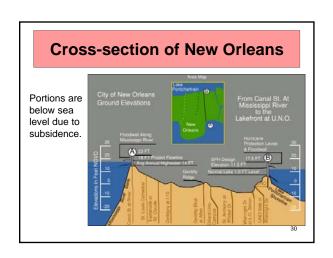


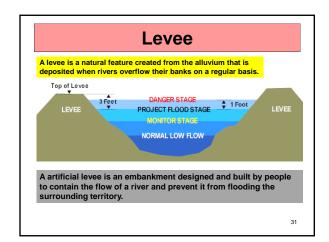


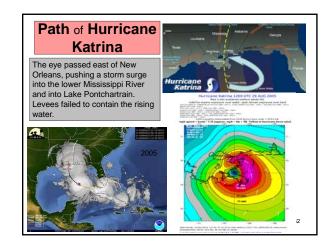




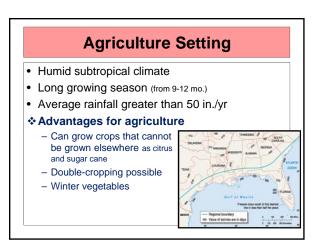


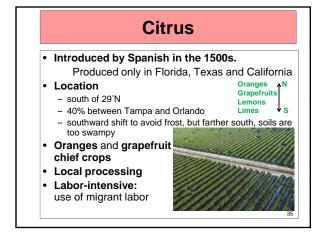




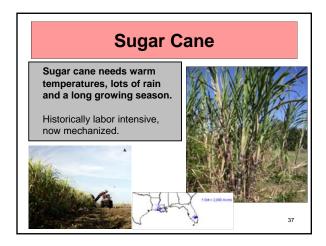




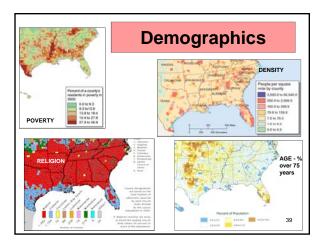












A distinctive regional demography

- ✓ In-migration. Most residents were born somewhere else.
- ✓ A very "non-southern" population.
- ✓ Mix of retirees and refugees (Cubans, Haitians).
- ✓ Pull Factor: the attraction of both a favorable climate and tax environments.
- ✓ Unique local cultural groups: Cajuns, Creoles, Gullahs
- "Snowbirds": People from the northern states and Canada who spend the winter in Florida.

Regional Demography

Cajuns and Creoles

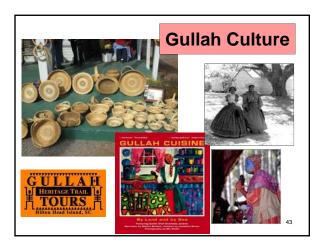
- *Cajuns: people of French Canadian descent.
 They migrated to N. America (French Acadia now the Canadian Maritimes) and then were expelled after the French and Indian War. Settled in the U.S.
- Creoles: people of French/Spanish/Afro-Caribbean descent usually from the West Indies.
 Associated with speaking a pidgin language combining words from other languages with French.
- The term was also applied to a slave born in the Americas as opposed to one brought from Africa.

Red = high % of French-speakers

Regional Demography Gullah

- ❖Gullah: descendants of Africans brought as slaves to cotton plantations on the Sea Islands. Noteworthy for their distinctive African language and culture, which has been handed down by generations relatively intact.
- Once isolated, their uniqueness is now threatened by development and tourism on the coastal islands.

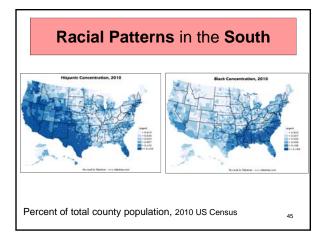
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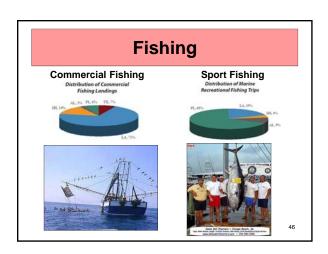


Other Demographic Groups

- **Hispanics** (South Texas and South Florida)
 - From Mexico, Puerto Rico, Cuba, Dominican Rep
 - Remain distinctive:
 - · Spanish-speaking
 - CatholicCuisine
- Caribbean Islanders (South Florida)
 - From Haiti and the West Indies
 - French, English and Asian backgrounds
 - Cultural conflict between Blacks of Caribbean and American heritage

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Industrial Development

Petrochemical industry

- Natural gas and petroleum products
- Money for industrial growth, esp. Houston area
- Area from Corpus Christi, TX to Pascagoula, $\ensuremath{\mathsf{MS}}$
- Important materials for other chemical industries
- Cheap water transportation to East Coast customers

Aluminum

- Bauxite from Caribbean and South America
- Cheap water transportation; abundant local fuel

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Houston Houston is the 4th largest city of the US. It is a major industrial center and the focus of the oil industry. Its port facilities are located 40 mi from the Gulf, linked to it by the Houston Ship Channel (1873).



