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EXAM TWO

- New Date for 2nd Exam.
- Monday, April 16 the day we return from Spring Break.
- Chapters 4-11.
- Same format as Exam One.
- Take-home extra credit for exam 2 will be due on April 16.





OVERVIEW

Unique human geography

- High percentage of retirement-aged people;
- greater mix of ethnic groups and
- lower percentage of African-Americans than the South.

- Sub-regions
 - East: recreation, agriculture, retirement communities
 - West: resource extraction, industrial production, fishing, trade



As a consequence . . .

- Results in an economy based on tourism, recreation, and crops dependent on a warm climate and/or long growing season.
- Citrus and sugar cane (highly frost-sensitive crops) can be commercially grown.
- Numerous destination resorts.
- A significant retired population (warm climate + low tax rate).

Trade

- **Intracoastal waterway**: protection from open water by following lagoons behind barrier islands.
- Major ports
- Large river estuaries
- Anchorages short distance inland from river mouths
- Sheltered bays
- Houston Ship Channel (built in1873)
- Excellent access to hinterlands: rivers, railroads
- New Orleans: most important port and focus of trade to continental interior (Mississippi River basin).

Resources

- Continental shelf is the underwater extension
 of the continent
 - Atlantic and Gulf of Mexico shelf areas are wide
 - Prime areas for ocean fishing (commercial and sport)
 - Extensive oil and gas deposits have been identified
 - Texas and Louisiana are major regional producers
- Salt salt domes mined for rock salt.
- Political issues and environmental problems related to the extraction and use of resources.

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Varied Urban Areas Charleston and Savannah are historic colonial cities. Jacksonville is the largest U.S. city in <u>area</u>; it's a deep water port and industrial center Miami is chief city of Florida and regional hub. Fort Lauderdale, Orlando and Tampa are vacation destinations Mobile is a deepwater port and aerospace center. New Orleans in the Mississippi Delta has a distinct aura with French influence Houston is the region's chief city: port and airline hub; an industrial, corporate and financial center. Corpus Christi is an industrial/agricultural port city.

















Barrier Island

A long and narrow island, lying roughly parallel to the mainland and separated from it by a lagoon.

It is built largely of sand by waves, ocean currents and wind, and shaped by a long shore current.

Barrier islands are **temporary** geologic features.















Florida Keys

A cay or key is a low coral island (Sp. cayo = shoal)

- 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 comprises the world's 3rd largest barrier reef.
- Key West is the southernmost and most tropical part of the U.S. outside of Hawaii.

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Water Hazards

- Coastlines subject to wave erosion and flooding
- Fresh water supply problem.
 - Withdrawing water faster than replacement
 - Distant rivers
 - Land too flat for reservoirs
 - Salt water intrusion into groundwater
- Urban areas far from rivers
 - Need to pump water from underground water table
 Central Florida, Cape Canaveral to Tampa (includes Orlando)
- Subsidence and Sinkholes: surface sags or collapses from loss of support of underground water (and/or oil in Texas).

Description • Winter freeze • Winter vegetables • Oitrus • Need for cold temperatures to kill disease organisms • Hurricanes • Areas facing tropical waters of Caribbean, southern Atlantic, Gulf of Mexico • Occasional monster storms with great destruction: • Hugo (1989) Katrina (2005) • Andrew (1992) Ike (2008)









Agriculture Setting in the Southern Coastlands

Humid subtropical climate

- Warm, humid summers; mild winters
- Long growing season
 Almost everywhere from 9-10 mo.; 11-12 mo. in S FL
- Average rainfall greater than 50 in.
 - Almost all falls in the growing season (Apr-Oct).
- Advantages for agriculture
 - Can grow crops that cannot be grown elsewhere as
 - citrus and some tropical plants as sugar cane
 - Double-cropping possibleWinter vegetables

• Introduced by Spanish in the 1500s. • Produced only in Florida, Texas and California • Location Oranges of California • South of 29'N • How between Tampa and Orlando • Southward shift to avoid frost, but farther south soils are too swampy • Oranges and grapefruit most important • Local processing (80% as concentrate) • Labor-intensive: use of migrant labor

















A distinctive regional demography

- Significant in-migration. Most residents were born somewhere else.
- A very "non-southern" population.
- Mix of retirees and refugees (Cubans, Haitians).
- The attraction of businesses attracted to a favorable climatic and tax environment.

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• Unique local cultural groups – Gullahs, Cajuns, Creoles, Mexicans



French-speakers





















Industrial Development

Petrochemical industry

- Natural gas and petroleum products
- Capital for industrial growth
 Corpus Christi, TX to Pascagoula, MS
- Concentration around Houston, Beaumont, Port Arthur
- Important materials for other chemical industries
 Cheap water transportation to customers in East Coast

Aluminum

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













