DATES TO REMEMBER

COURSE EVALUATION PERIOD NOW OPEN

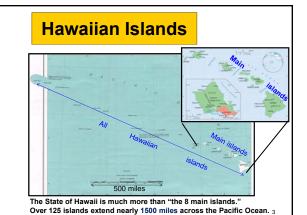
- Visit www.hunter.cuny.edu/te OR
- www.hunter.cuny.edu/mobilete (for smartphones)
- Sign in with your Hunter netID and password
- Complete the evaluation(s)
 - Check your Hunter email account for notice from the Dean of Students. Can do it on line or on a SmartPhone
- May 11: Was last day to hand in REQUIRED LANDSCAPE EXERCISE without penalty and the preapproved extra credit research paper.
 May 14: TODAY Last class lecture
- □ WEDNESDAY, May 20: Exam III: The Final Exam
 From 3 to 5 PM << note different day/time from class</p>

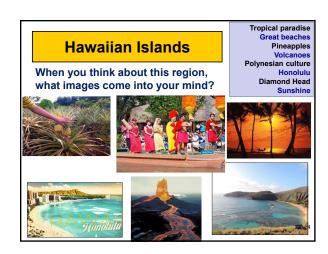
 - Same format as exams I and II; focuses on last third of course
 - Last day to hand in Exam III extra credit exercise and "Geography in the News" extra credit option.

Regional Landscapes of the United States and Canada

HAWAIIAN ISLANDS

Prof. Anthony Grande

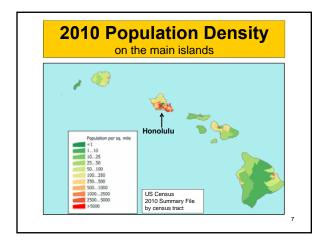


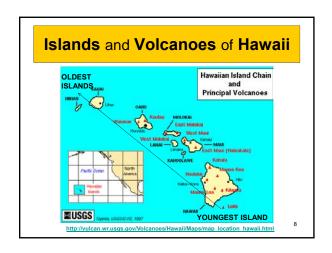


OVERVIEW: Phys. Geog. Mid-Pacific Ocean location 2,300 miles from California. Tropical in nature. Located over a geologic hot spot. Island chain consisting of over 125 islands above sea level; hundreds of "island stubs" below level level. Landscape varies with island's age.

OVERVIEW – Human Geog.

- · Last area on Earth to be discovered and settled (c.500 AD).
- Diverse population with strong Polynesian and Asian influences.
- There are 8 inhabited islands. Population concentrated in metro Honolulu.
- Europeans arrived in 1778; Americans rebelled in1893.
- · Tourism and military-based economy.
- Ethnic Hawaiian culture is on a rebound.





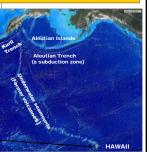
❖ Islands are volcanic in origin. Located over a hot spot on the earth's crust.

➤ The islands are the visible portion of a series of huge volcanoes that stretch to the NW toward Siberia and the Aleutian Trench.

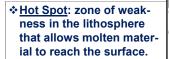
> The underwater volcanic structures are called "seamounts."

> Active volcanoes above sea level are found only on Hawaii (Big Island) which is. now over the hot spot. There is one subsurface volcano.

Geology



Geologic Hot Spot



Movement of the Pacific Plate over the Hawaiian hot spot

creates volcanoes on the crust. The longer an island stays over the hot spot, the wider/taller the volcano gets.

When the island moves away from the hot spot, volcanic activity ceases. The island begins to erode and gets shorter and smaller in area.

Mauna Kea and Mauna Kea World's ranking topographic features

Mauna Kea is 13,796 ft above sea level. The sea floor is over **18,000** ft below sea level. From its base on the ocean floor to its summit, Mauna Kea is 32000 ft. tall, making it the world's highest mountain. It is dormant.

Mauna Loa is 13,677 ft high and is the world's largest volcano because of its width and mass. It is active.



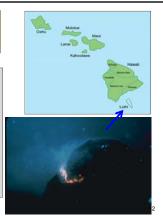


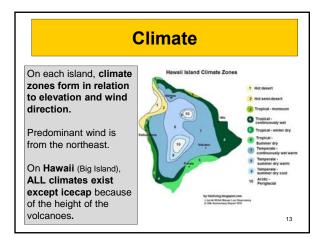


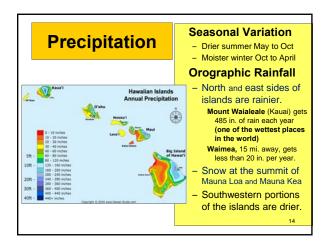
Loihi **Seamount**

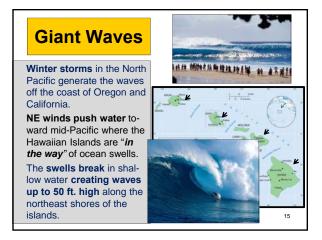
The Loihi Seamount will become the next Hawaiian Island. feet above the ocean bottom and about 3,000 feet below sea level. If it grows wide swiftly, it may

It is currently about 10,000 reach the southern tip of the island of Hawaii and become part of it.

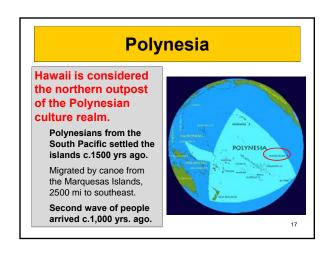














European Impact

- 1778: British Capt. James Cooke arrives finding Hawaiians living under various chiefs.
- Under the rule of King Kamehameha (1791-1819), the Hawaiian people were united.
 - √ The islands became a rest, refueling and transshipment station for trade with East Asia in 1790s.
 - ✓ They were the center of the North Pacific whaling industry (early 1820s). European population increased.
 - ✓ Missionaries came in the early 1800s. They
 undermined the influence of Hawaiian rulers.

European/American Impact

- ❖ King Kamehameha dies in 1819.
 - Competing European efforts to fill the power vacuum (France 1820-50s: Britain 1840s).
 - The influence of American plantation owners grew in the late 1800s.
 - Led to the overthrow of Hawaiian rulers in 1893 and the declaration of the Republic of Hawaii. (Feared return of monarchy and possible European inroads.)
- ❖ Annexed by the U.S. in 1898.
- ❖ Statehood in 1959.

20

Federal Government

- Federal Government controls much of the land on the islands especially with military facilities.
 - ➤ Military
 - Strategic location both historic and present
 - Headquarters of Pacific Command and center of Pacific operations for all services.

> Impact

- Owns 25% of Oahu
- Employs 25% of work force
- Vulnerability to budgetary cutbacks and changes in military policy.

Income from Agriculture

Chief categories for local consumption:

- Livestock
- Beef cattle
- Dairy cattle + products
- Poultry and eggs
- Hoas
- · Vegetables and fruits

Cash crops include:

- Sugar cane + processing
- Pineapples + processing
- Horticulture, esp. flowers
- Specialty items include:
- Kona coffee
- Macadamia nuts
- Avocados - Guava



Pineapple Plantation



Sugar Cane Field and Mill



