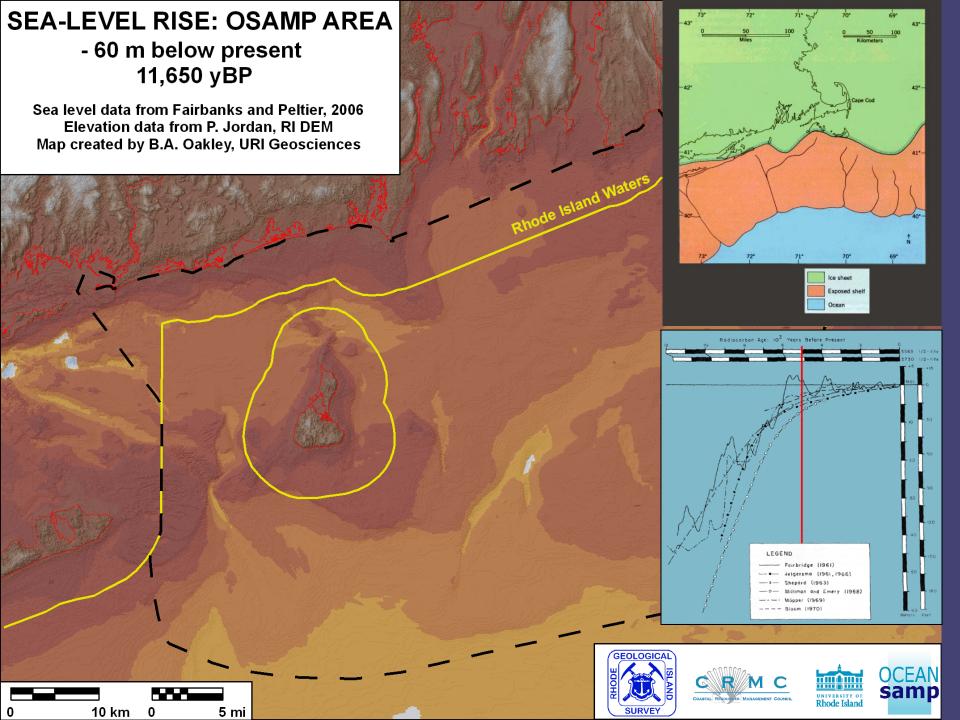
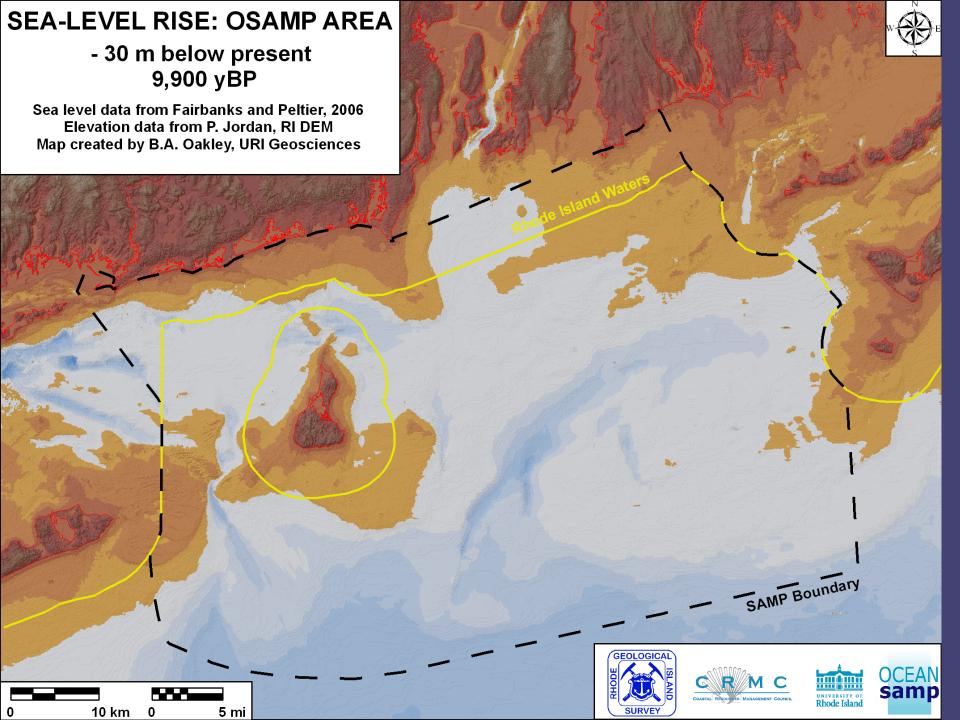


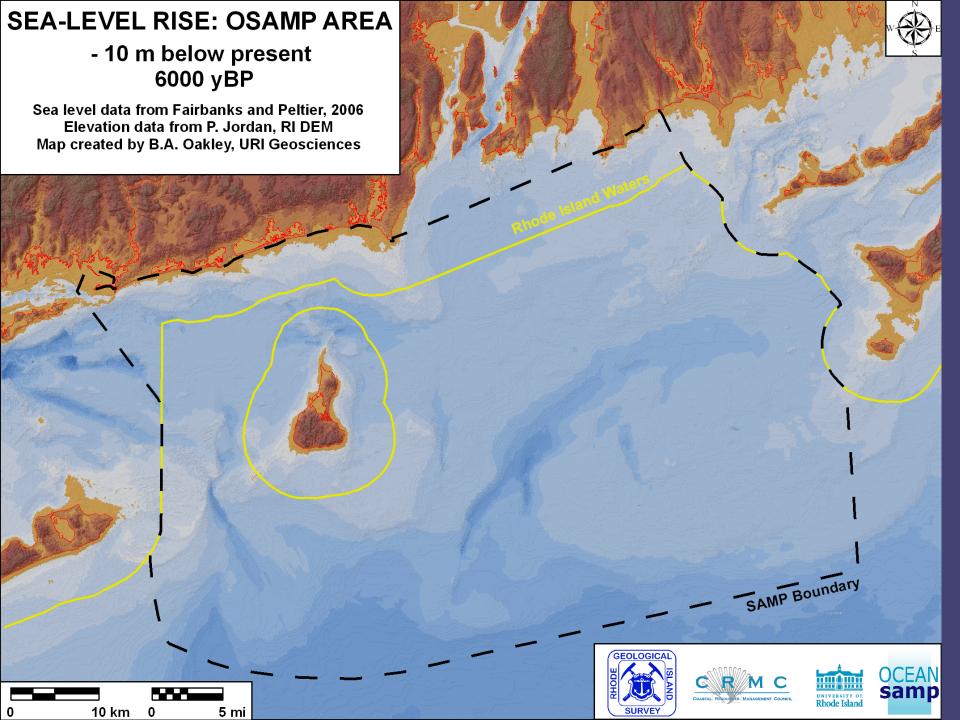
Topics for Today's Discussion

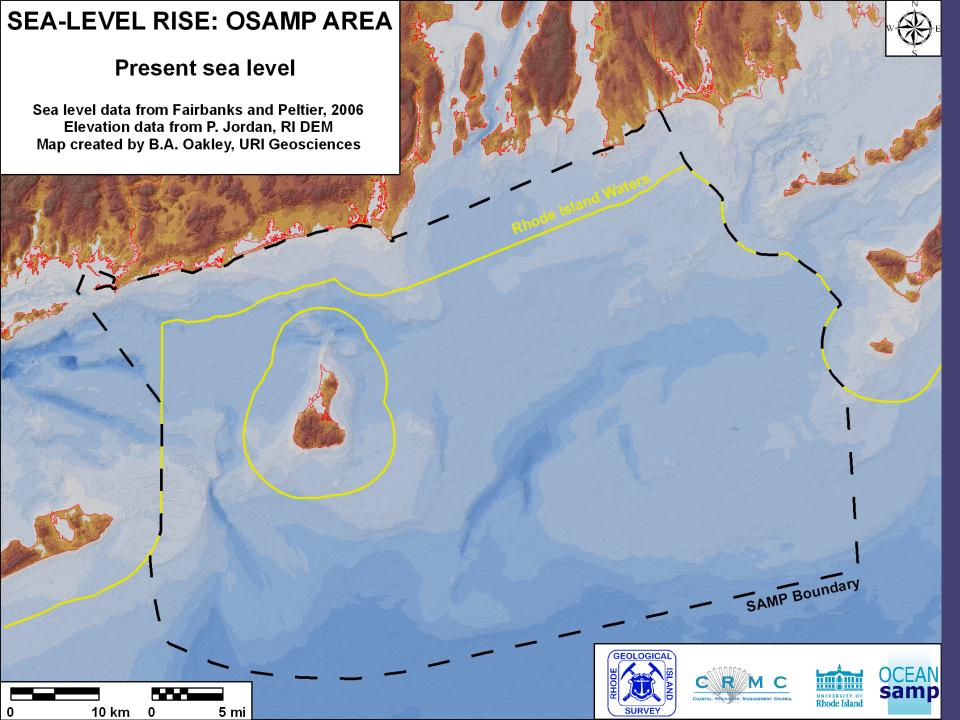
- Archaeology as a "lens" for viewing the past
- What do we think we know and why?
- Underwater archaeology
- Glacier primer
- Climate, glaciers and sea level change
- Regional/local impacts









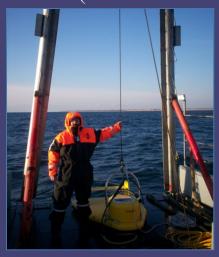


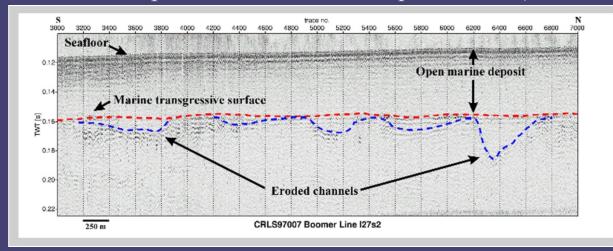


Finding Submerged Paleocultural Landscapes:

Marine Remote Sensing & Sediment Sampling

(sidescan sonar, <u>subbottom profiler</u>, multi-beam depth sounder)



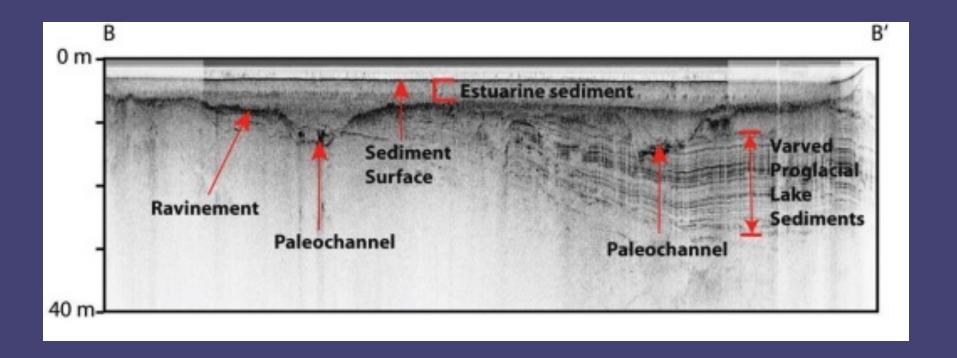






(sediment coring and underwater excavation)

Submerged Paleocultural Landscape Reconstruction



Organic Preservation in the Submerged Environment



Wooden artifacts and ecofacts excavated from a ca. 6,000 year old submerged site in Tudsehage, Denmark.

Require conservation treatment to preserve them.





When did people arrive in North America?

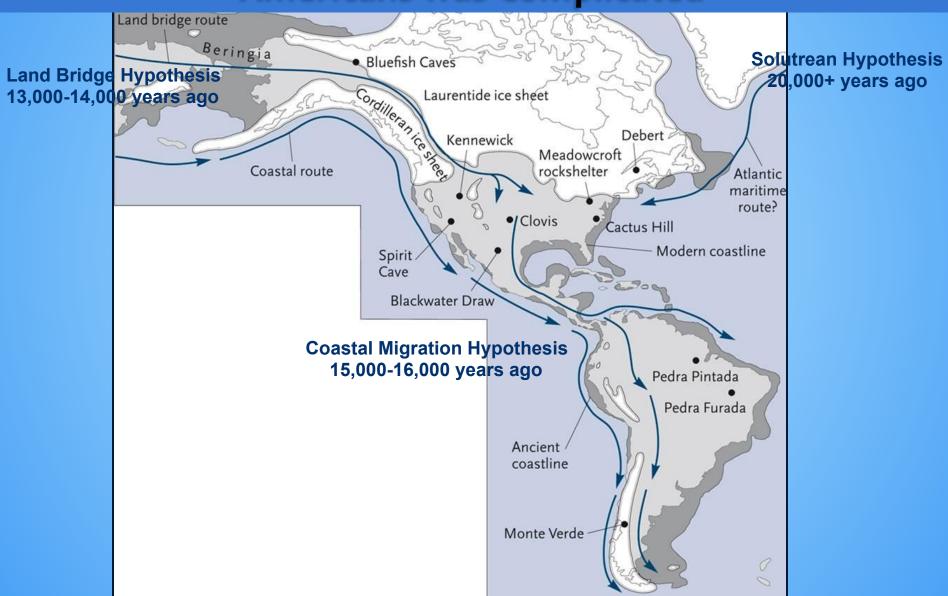
Clovis Site, New Mexico 1920-30s





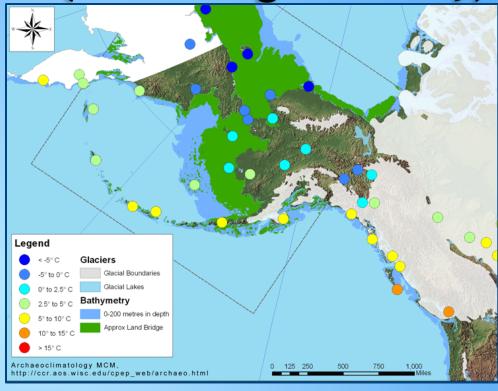
Dates to ca. 13,200 to 12,900 calendar years ago. "Clovis people" were once believed to be the earliest human inhabitants of the Americas and the ancestral relative of most contemporary Native Americans.

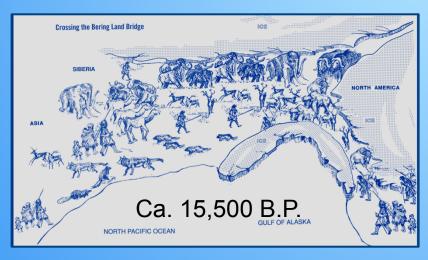
Archaeological Evidence Suggests Population of the Americans was Complicated



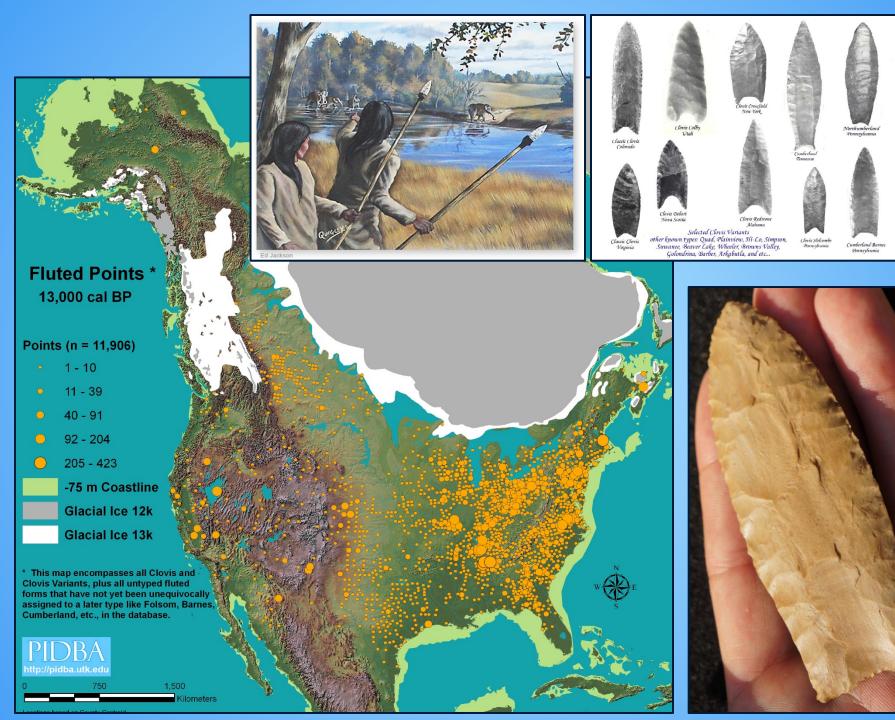
Native American Origins (archaeological theory)



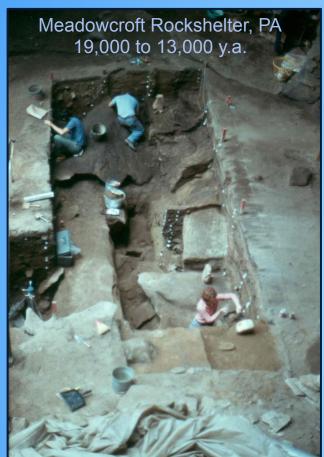




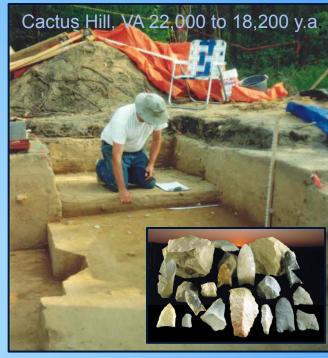




Could Someone Have Met Clovis?







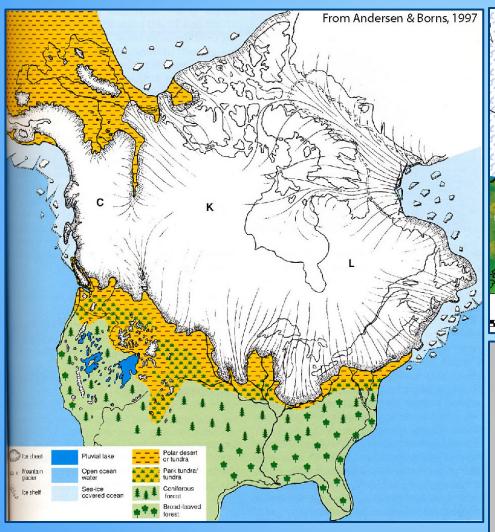


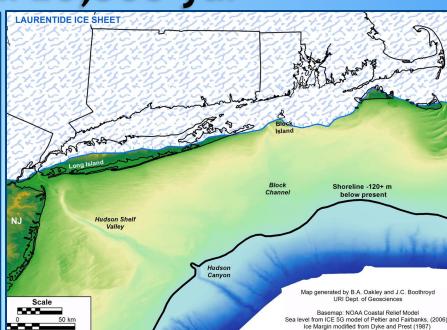


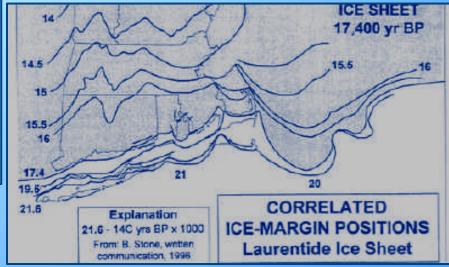


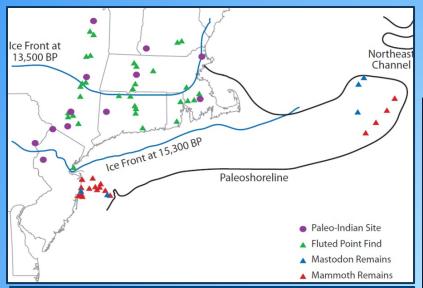


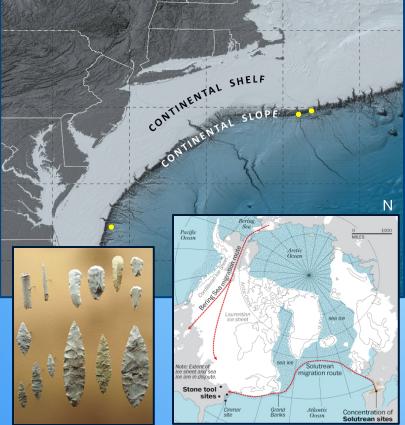
Pre-Clovis in RI? Maybe - Late Glacial Maximum Glaciation ca. 26,000 ya.



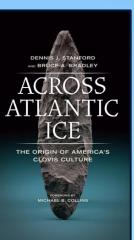






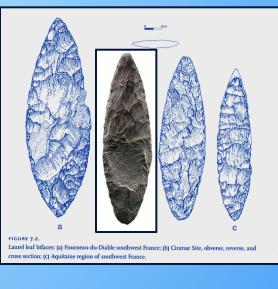


At least not on land

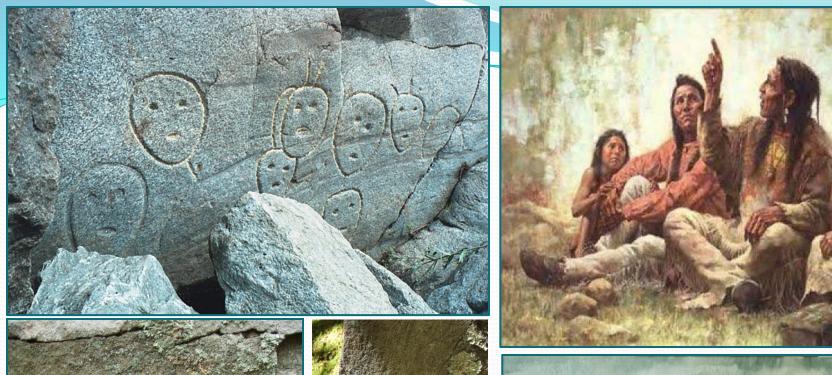








100 km (62 mi) off shore in 75 m (246ft) of water. Collagen C14 date of mastodon ca. 23,000 y.a.











Who's Past is it and Who Gets to Write its History?

Narragansett Tribal Oral History

Informs us that more than 15,000 years ago, the ancient villages of the ancestral Narragansett were out where the ocean is now, and that overnight the ocean's waters began to rise and their people had to evacuate their ancient homes.

