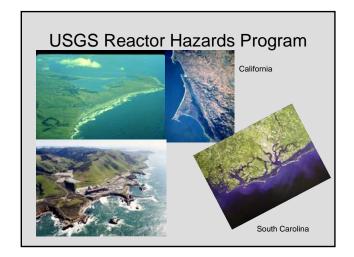
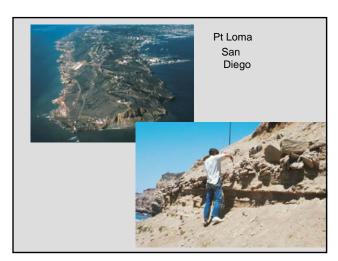
Data management for Quaternary coastal geochronology

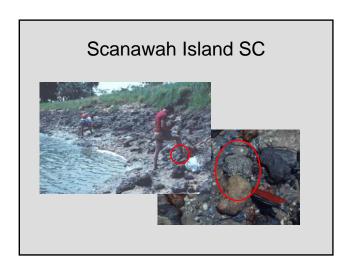
John Wehmiller and Vincent Pellerito University of Delaware NE GSA 2014

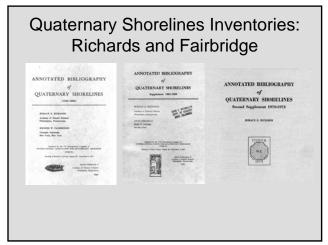
History and purpose

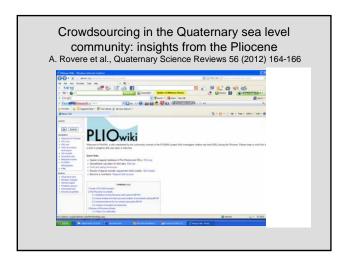
- Goal: Digital inventory of Quaternary coastal geochronological studies (14C, U-Th, AAR, OSL, other.....)
- Most AAR labs (including UD) pre-date the digital world: Hard copies, then spreadsheets, but rarely a common format for data preservation; several labs now decommissioned
- Document the current location of samples to allow future work



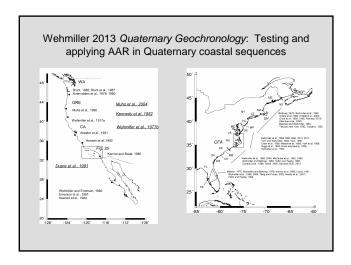


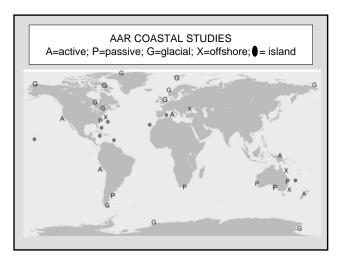


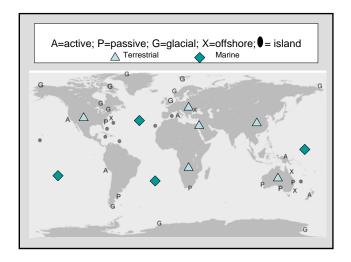








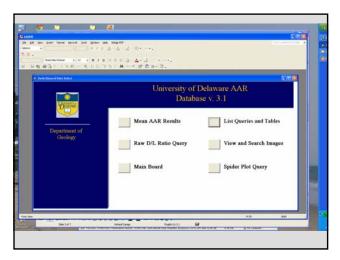


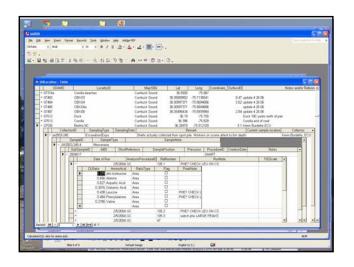


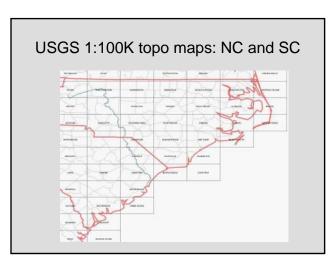
Data management – NOAA project

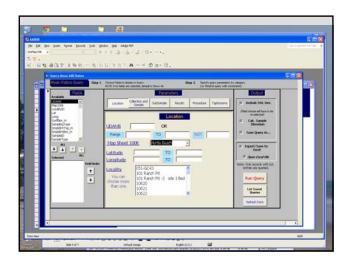
- 2010 and 2011 Workshops, Denver and Bern (NSF \$\$)
- AAR labs from US, UK, Spain, Australia
- NOAA site for *published* AAR datasets, established early 2011:
 - http://www.ncdc.noaa.gov/paleo/aar.html
 - Dozens more files to be uploaded from numerous labs!

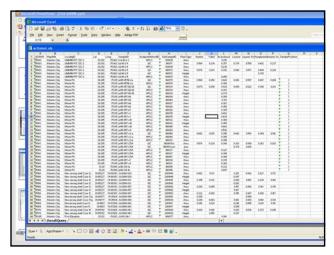






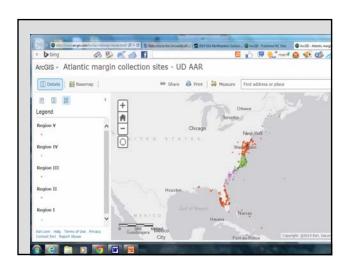


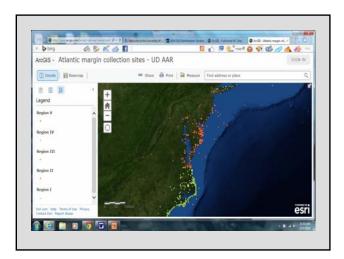


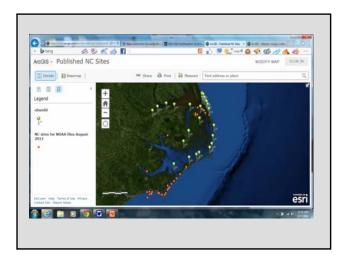


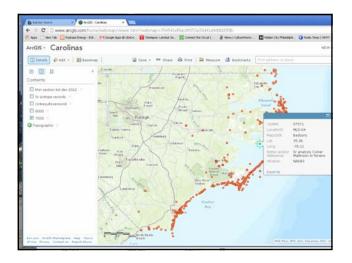
Data management: ArcGis

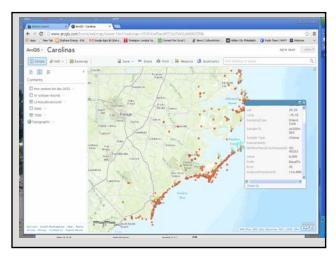
- Compilation of AAR, 14C, U-Th, OSL, and other analytical data for US Pacific and Atlantic sites – see Wehmiller 2013 QG review paper
- South American sites are in progress
- Ultimately hope to coordinate with locality databases from various museums (LACM, FLMNH, PRI,)

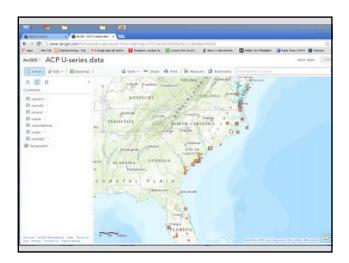


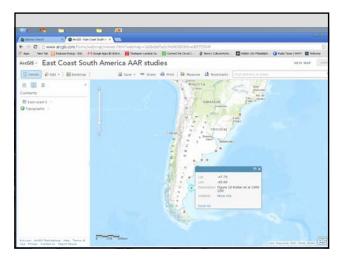




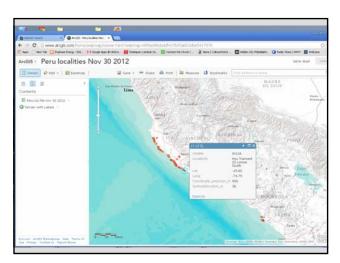


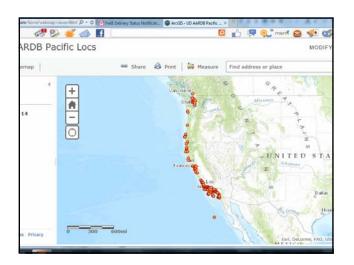


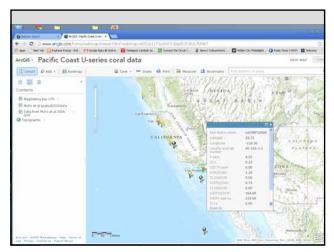






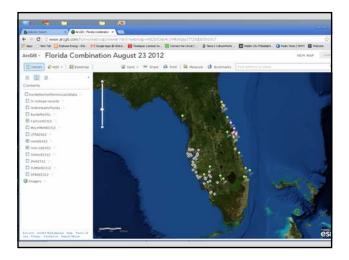


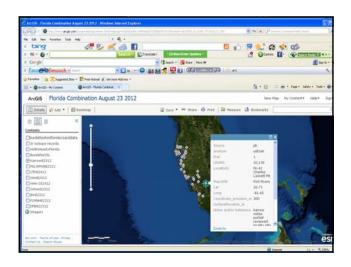




Data management: Florida project

 Very first publications on AAR used samples from Florida; numerous collections and analyses done since late 1960's; very few publications; current effort to compile history of work using ArcGis site





Data management: Summary

- Compilation of AAR, 14C, U-Th, OSL, and other analytical data for US Pacific and Atlantic sites – see Wehmiller 2012 QG review paper
- South American sites are in progress; European, Canadian & Australian sites remain
- Ultimately hope to coordinate with locality databases from various museums (LACM, FLMNH, PRI,)
- ArcGIS Online is extremely valuable, <u>simple to</u> <u>use</u>, and does not require site license!