

**1 June 2012**

**Application for SAHRA Permit: Heritage Objects  
Supplemental Information to permit application**

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See: [www.pliomax.org](http://www.pliomax.org) for general information about the project protocols and objectives.

*A-1. and C-14(1):* We are strictly interested in the shallow water geological deposits of Pliocene age that blanket the southwest coastal region of South Africa. To this end we would only desire to collect small numbers of marine invertebrate fossils (for dating purposes only) from geological deposits that are widespread in nature and have no commercial or heritage value. If during the course of our field surveys we find any evidence of paleo-human habitation or other like evidence of archeological interest we will report this to SAHRA authorities.

Samples will not be accessioned in a museum collection. Bulk samples will be shipped by Fed Ex to my Department at the University of North Carolina at Wilmington. There the samples will be identified and rated in terms of preservation, then logged shells will be submitted to various labs for Sr-isotopes, U/Th, amino acid geochronology, and sedimentological analyses. Only well-preserved common marine invertebrates will be used for these geochronological analyses. Labs and their directors are identified below.

*D-19 and D-20: Name and persons doing the analyses; lab addresses:*

**Strontium-isotope geochemistry and dating:**

Dr. Jeremy Inglis  
Geochemistry Isotope Laboratory  
104 South Road, Mitchell Hall  
Campus Box #3315  
Chapel Hill, NC 27599-3315  
Telephone: (919) 966-4516  
Fax: (919) 966-4519

**Uranium-Thorium (U/Th) Geochronology**

Woods Hole Oceanographic Institution  
266 Woods Hole Rd.  
Geology & Geophysics  
MS# 23

Woods Hole, MA 02543-1050  
Office Phone: +1 508 289 2630  
[wthompson@whoi.edu](mailto:wthompson@whoi.edu)

**Amino acid geochronology**

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Department of Geology  
Northern Arizona University  
Flagstaff, AZ 86011-4099  
Phone: 928-523-7192  
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**Sedimentology:**

Dr. Paul J. Hearty and students  
UNCW