

Supplemental Information for DGS Open-File 50: Wehmiller and Pellerito

On-line data-file references:

Data files from AARDB are being stored on the NOAA AAR Data Repository:
<http://www.ncdc.noaa.gov/paleo/aar.html>

In addition, selected data files are preserved on ArcGIS.com – examples as follows:

Pacific Coast United States:

Kennedy et al 1982

<http://www.ncdc.noaa.gov/paleo/aar.html>

and: <http://bit.ly/1mMGJ1B>

Santa Barbara County, California:

Kern and Rockwell 1992

<http://www.ncdc.noaa.gov/paleo/aar.html>

and: <http://bit.ly/1mMH847>

San Diego County, California:

Rockwell et al. 1992

<http://www.ncdc.noaa.gov/paleo/aar.html>

and: <http://bit.ly/1mMHjws>

Channel Islands – Muhs et al.

<http://bit.ly/1aa4s3Q>

U-Series coral dates, Pacific coast North America:

<http://bit.ly/1aa41Xm>

Pacific coast, S. America

Peru (Hsu et al 1989)

<http://bit.ly/1lnPsSK>

Atlantic Coast United States:

All collection sites: <http://bit.ly/1mMHLuA>

(This map contains information for a variety of analyses and collection sites – all are listed in separate layers in the “contents” section. Toggle layers on and off to reveal details.)

The following two maps duplicate and amplify some of the information in the above map:

Sites where paired ¹⁴C and AAR analyses have been conducted on the same sample:
<http://bit.ly/1mMI8p1>

Sites with U-series data from either coral or mollusk specimens:
<http://bit.ly/1mMIprR>

This map contains citations to U-series data from the USGS lab, published in several articles between the late 1970's and the early 1990's (Szabo, Cronin et al., Mixon et al., Oldale et al., Muhs et al.). Data obtained more recently include those in Wehmiller et al. 2004 (Quaternary International) and unpublished results obtained on corals collected by Wehmiller or Oches and analyzed at the University of Minnesota or Woods Hole Oceanographic Institute.

OSL data from various sites in the Atlantic coastal plain:

<http://bit.ly/1mhW3Qh>

Florida AAR and other geochronologic data

<http://bit.ly/1dA8H7x> (one link)

Florida: <http://bit.ly/1hCbzmz>

This map has layers representing AAR data obtained by multiple laboratories using samples from multiple sources. It also includes U-series data obtained by Muhs et al. (1992) and Hollin and Hearty (1990). Luminescence and ESR data obtained by Burdette et al. are also included in the map, as are sites where Sr-isotope analyses have also been conducted on mollusks that were also analyzed for AAR. Most of the Sr-isotope data are unpublished, although those for sites in North Carolina were published in Wehmiller et al. (2012 – Quaternary Geochronology).

Gomez Pit, Virginia Beach, VA – a site of continuing study from ~ 1982 to ~2000

The links below contain information directly related to studies of the aminostratigraphy and geochronology at Gomez Pit, Virginia Beach, VA. Photographs from Gomez and other sites are also found within the site on UDspace:

<http://udspace.udel.edu/handle/19716/10389>

Descriptive text from Wehmiller (2013) summarizing Gomez Pit data (and data from other nearby sites)

<http://udspace.udel.edu/handle/19716/13258>

New Light and Gomez Pit stratigraphic sections

<http://udspace.udel.edu/handle/19716/13181>

Data and stratigraphy from June Mirecki's MS and PhD work

<http://udspace.udel.edu/handle/19716/13179>

NRC report – comparison of dating methods, Gomez Pit

<http://udspace.udel.edu/handle/19716/13228>

Map of Gomez Pit with pdf “sticky notes” showing locations of major collection sites

<http://udspace.udel.edu/handle/19716/13262>

This is a Google Earth file with the primary sampling locations from the Gomez Pit region. Note that the pit has changed so much that the current images do not portray the sampling sites from the 1980's and 1990's.

<http://udspace.udel.edu/handle/19716/13263>