

We report amino acid racemization (AAR) results for mollusk samples from shelf vibracores taken during the BOEM Atlantic Sand Assessment Project (ASAP) between NJ and GA.  $^{14}\text{C}$  ages cluster in the Holocene (<7 ka uncalibrated) and between ~30 and ~50 ka. Aminozones include Holocene (H) and at least two Pleistocene aminozones, P1 and P2 (increasing D/L values, respectively). P1 and P2 in the mid-Atlantic are interpreted as MIS 5 and MIS7 (or older) based on stratigraphic relations. These two broad zones are also found in the southeast region, onshore and offshore, and in the Outer Banks study of Wehmiller et al. (2010). The  $^{14}\text{C}$  ages for shelf samples in the 30 to 50 ka range are interpreted as minimum ages; AAR results for some shelf samples could indicate ages in the 60 ka range but most imply greater ages, ranging back into the middle Pleistocene.  $^{14}\text{C}$  ages from UGA and USGS. References, core logs, and on-line maps will be available at the poster.

