The overall goals of this study were to (1) establish a chronological benchmark for bomb radiocarbon in the waters of southeast Alaska by determining radiocarbon levels in otoliths of the yelloweye rockfish (Sebastes ruberrimus), for which age was validated, (2) validate the age of quillback rockfish (S. maliger), bocaccio rockfish (S. paucispinis), cowcod (S. levis), and canary rockfish (S. pinniger) using the yelloweye rockfish radiocarbon chronology, (3) provide a basis for future age and growth studies of marine fishes in the northwest Pacific using the radiocarbon record, and (4) apply the technology to sharks (e.g. validate the age and ageing methodology of the shortfin mako, Isurus oxyrinchus, and investigate its application to the white shark, Carcharodon carcharias).

California Sea Grant funded publications that pre-date and resulted from this study are listed below. Please contact Allen H. Andrews at allen.andrews@noaa.gov.


