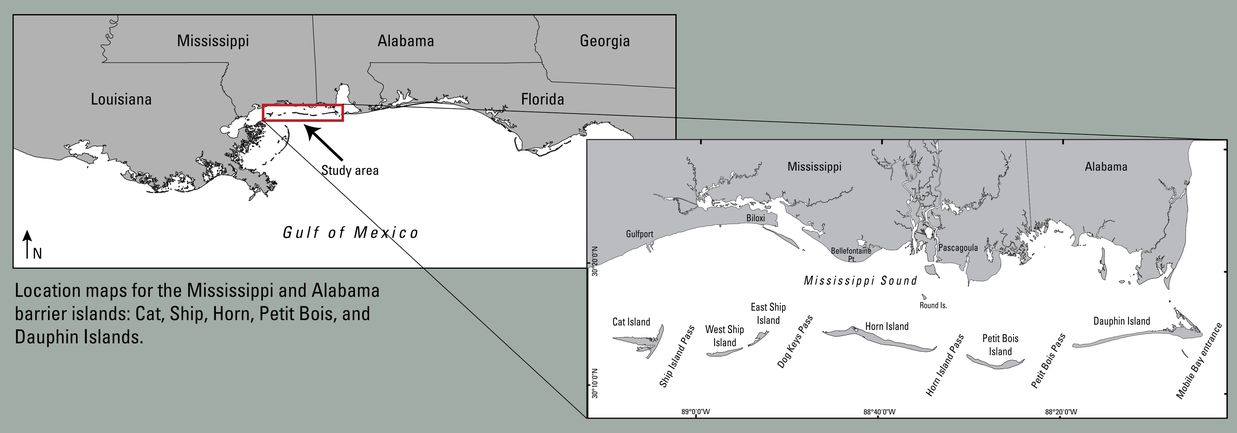
Historical Bathymetry and Bathymetric Change in the Mississippi-Alabama Coastal Region, 1847–2009

Scientific Investigations Map 3154
Pamphlet accompanies map

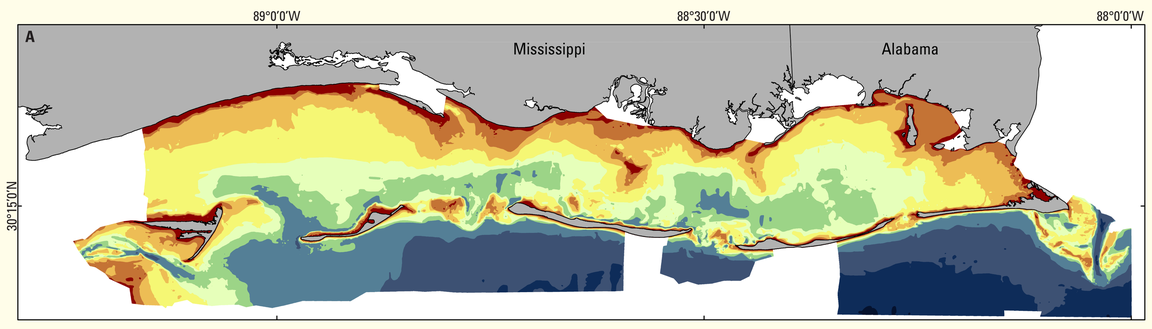
By Noreen A. Buster and Robert A. Morton



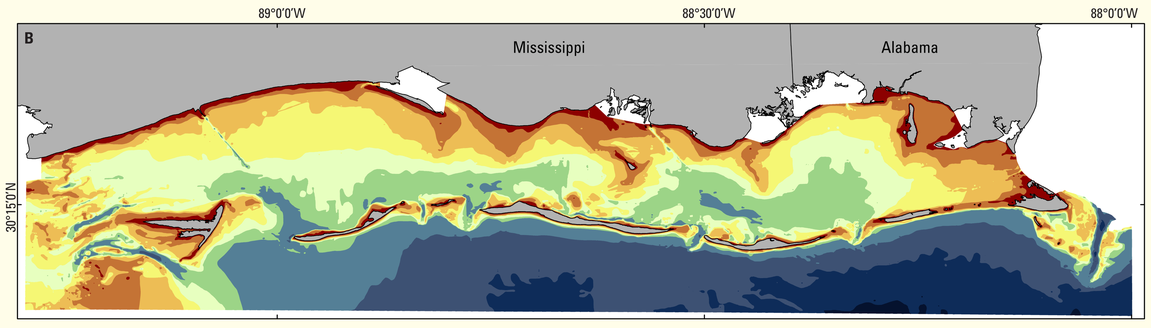
Location maps for the Mississippi and Alabama barrier islands: Cat, Ship, Horn, Petit Bois, and Dauphin Islands.

Bathymetry Maps

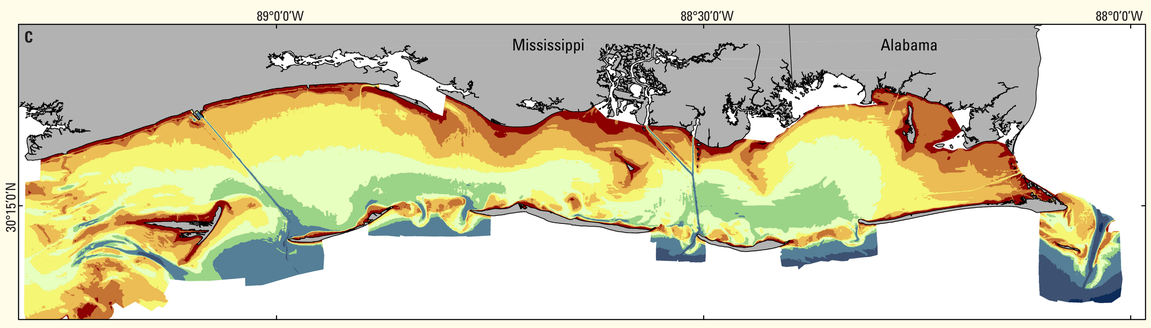
1847–1856



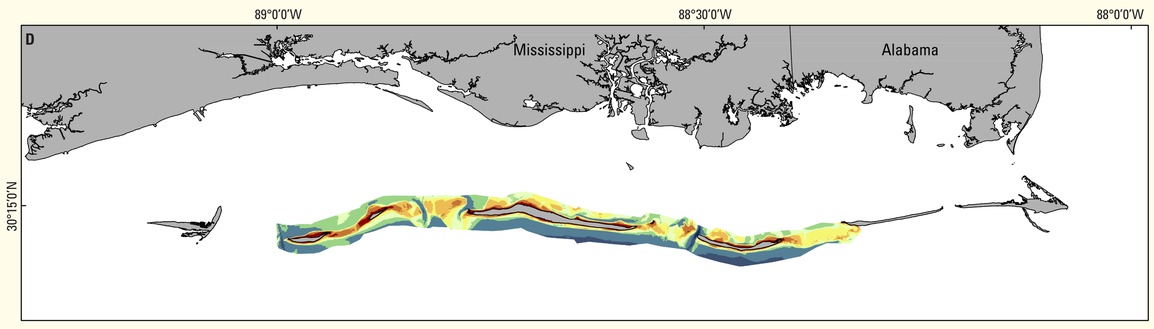
1916–1920

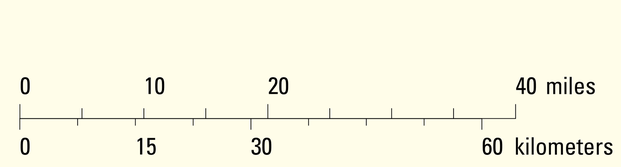


1960–1970



2008–2009





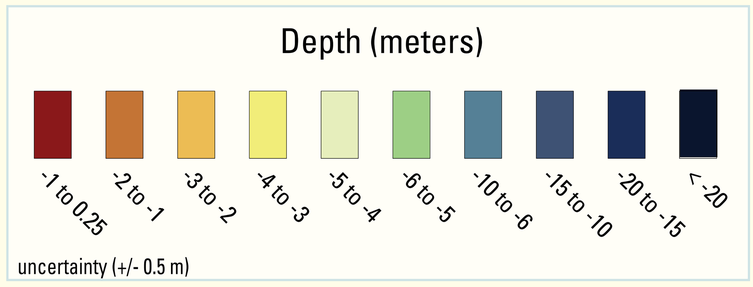
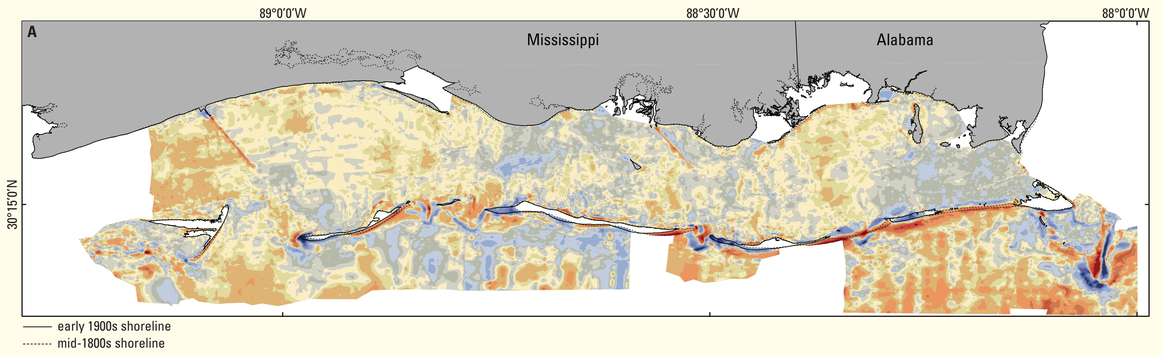


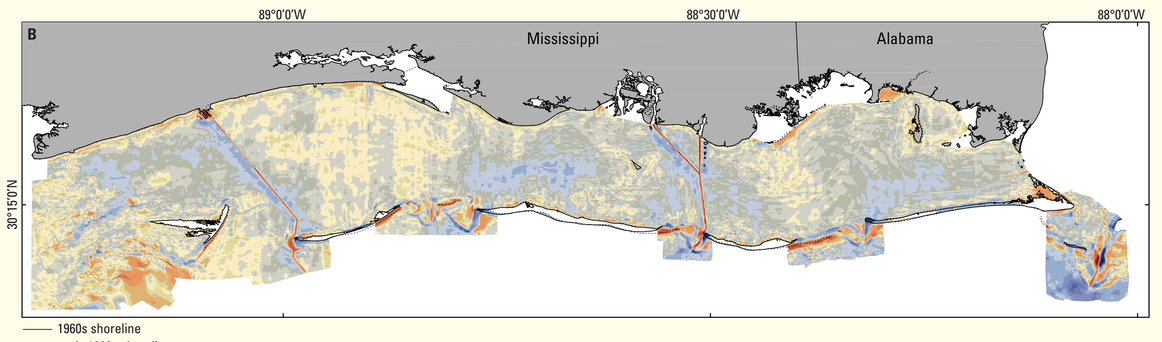
Figure 1. Bathymetric grids of the Mississippi and Alabama barrier islands from 1847 to 2009. (Projected using the GCS NAD 83 datum.)

Bathymetric-Change Maps

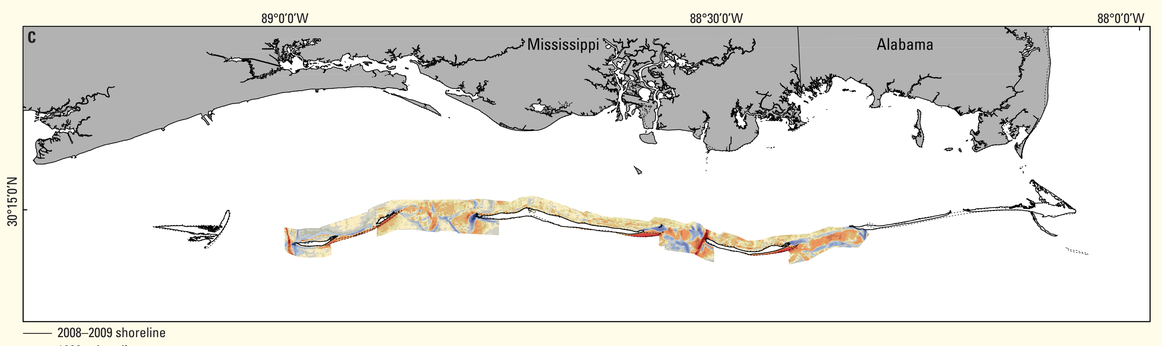
mid-1800s to early 1900s change



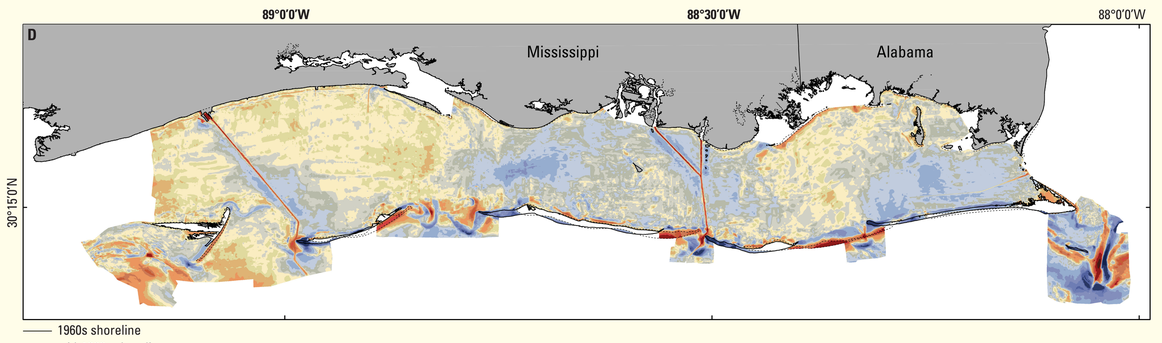
early 1900s to 1960s change



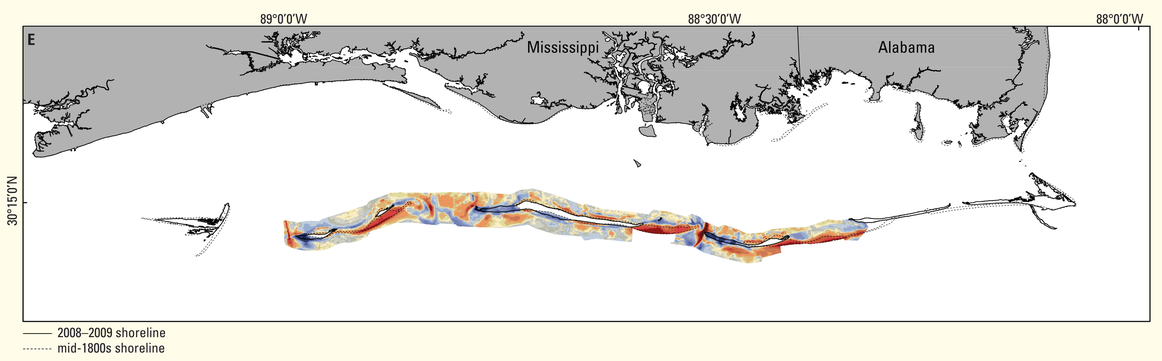
1960s to 2008–2009 change



mid-1800s to 1960s change



mid-1800s to 2008–2009 change



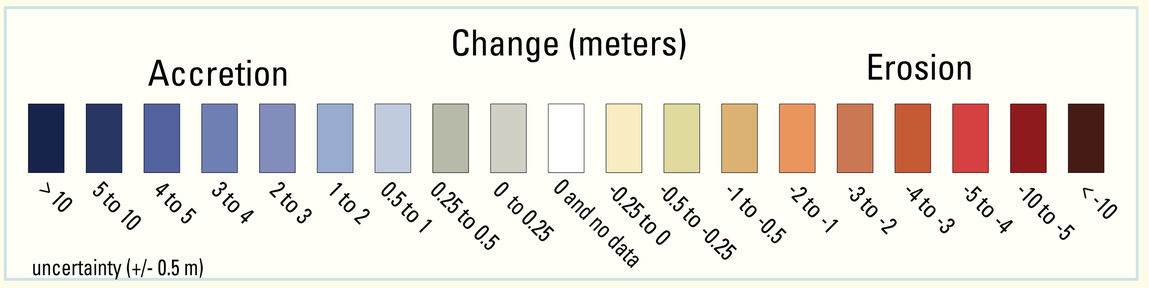


Figure 2. Bathymetric-change grids of the Mississippi and Alabama barrier islands from 1847 to 2009. (Projected using the GCS NAD 83 datum.)

U.S. Department of the Interior
U.S. Geological Survey

March 2011