



FIGURE 4.7. The carbonate-production rate on the northeastern Great Bahama Bank. (A) Bathymetry (meters) and carbonate-production rates ($\text{kg m}^{-2} \text{yr}^{-1}$) calculated at points shown by Broecker and Takahashi (1966) assuming a water depth of 4.5 m. (B) Residence times (days) of bank waters determined from radioisotope decays (Broecker and Takahashi, 1996), with the contour interval variable. (C) The carbonate-production rate on the northeastern Great Bahama Bank ($\text{kg m}^{-2} \text{yr}^{-1}$) using the water depths in (A) and residence times given in (B) (Demicco and Hardie, 2002).