



Figure 1. Backscatter intensity (colored area) and shaded relief topography of the coastal region to the east of Boston in Massachusetts Bay (from Butman and others, 2004). Red indicates high backscatter intensity material (typically sand, gravel and rock); blue indicates low backscatter intensity material (typically silt and clay). A, B and C are the locations of the moorings deployed as part of MBIWE98 in August 1998. LT-A and LT-B are the USGS/MWRA long-term monitoring sites also in place during MBIWE98. NOAA-44013 is the location of the NOAA weather buoy. The internal waves are generated by the tidal flow across Stellwagen Bank; packets of waves propagate westward across Stellwagen Basin every semidiurnal tidal cycle.