



Figure 4. Map showing the northern part of the Hudson Shelf Valley showing shaded relief topography colored by backscatter intensity and 2 m topographic contours at a scale of 1:50,000. This area has been affected by disposal of dredged and other materials and is currently being remediated by placing at least a one-meter cap clean dredged material on top of the existing surface sediments (see text for a description of these features). The map shows the boundary of the Mud Dump Site (MDS) and of the Historic Area Remediation Site (HARS), locations of cross-axis bathymetric profiles 2a and 2b (see figure 2), and location of sediment samples (figure 3). The data east of 73° 48.75' W. (vertical black line) was collected in 1996 and the data west of 73° 48.75' W. was collected in 2000. The change in backscatter intensity between these two surveys is a result of differences in transducers and processing. Data in Maps A-C (sheet 2) show data collected in 1996. For a comparison of data collected in 1996, 1998 and 2000 in the area of the HARS see Butman and others (2003).