



Figure 16A. Location map of site D on the shelf to the east of the Hudson Shelf Valley (26 m water depth) showing the location of the tripod mooring, bottom photographs and sediment grab samples. The multibeam bathymetry was gridded at 2 m, smoothed over 40 m, and contoured at 1 m intervals. The background image is backscatter intensity from the multibeam surveys; the backscatter intensity is represented by a suite of eight colors ranging from blue, which represents low intensity (fine-grained sediments), to red, which represents high intensity (rock outcrops and coarse-grained sediments). These data are draped over a shaded relief image created by vertically exaggerating the topography four times and then artificially illuminating the relief by a light source positioned 45 degrees above the horizon from the north. Some features in the backscatter image are artifacts of data collection and environmental conditions. They include the unnatural-looking features and patterns oriented parallel or perpendicular to survey tracklines (the trackline orientation can be determined by the direction of the faint striping in the images).