



Figure 3. (a) Water depth (vertical exaggeration of 200; enclosed basins are numbered 1-6) and surficial sediment texture (b) mean grain size (mean phi), (c) percent sand, (d) percent fines (silt plus clay), and (e) percent very fine sand (4 phi) along the thalweg of the Hudson Shelf Valley (see figure 2 for position of thalweg and location of sediment samples). Note that this transect does not completely traverse basin 5 due to the way the thalweg is drawn (figure 2). Dots indicate samples obtained with a grab sampler; squares indicate samples obtained with a hydrostatically damped corer. In the outer shelf, the black line follows the present canyon drainage to the southeast and the blue line follows a path from the lower valley across the local topographic high to the Hudson Canyon (see figure 2).