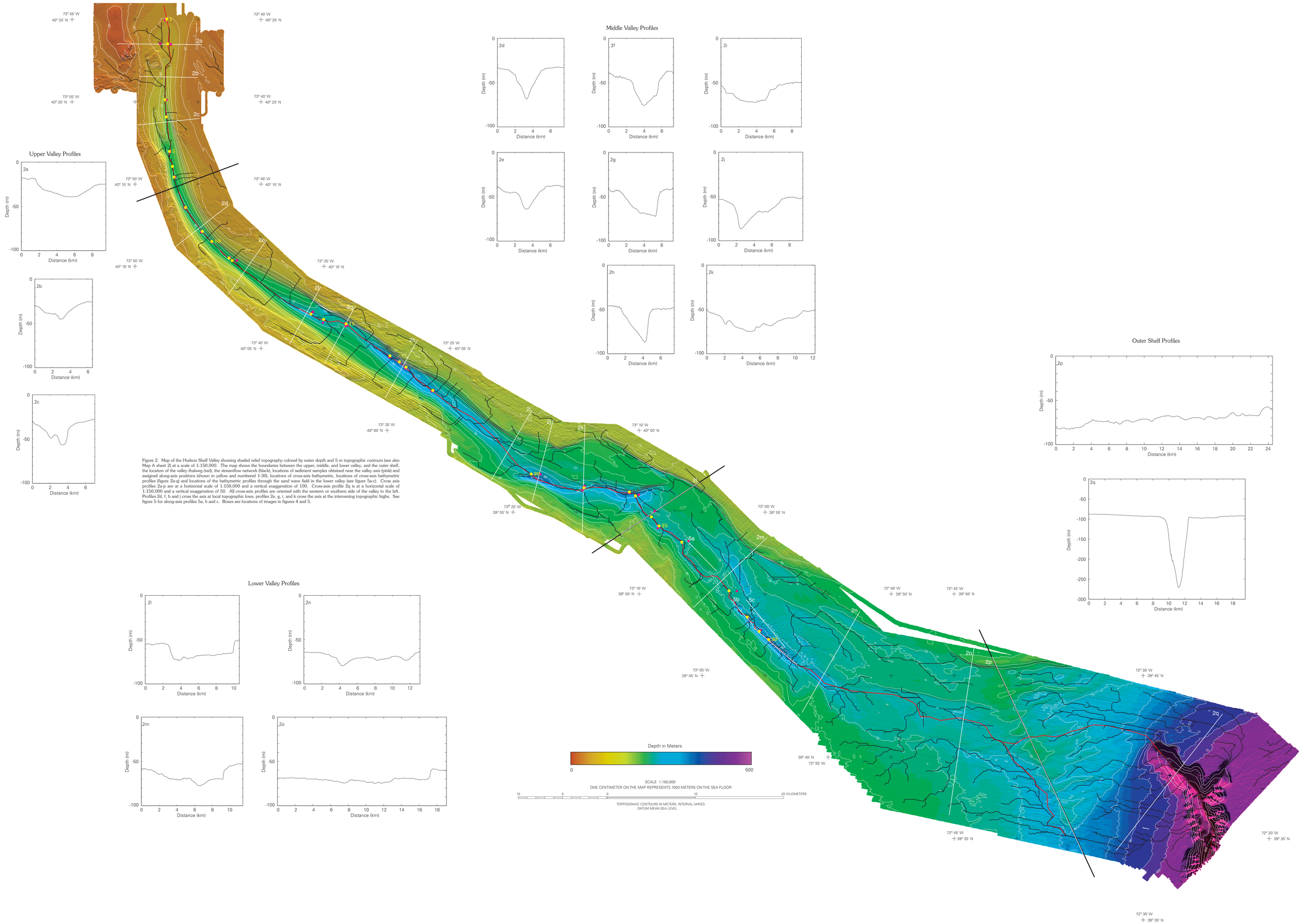

Figure 2. Map of the Hudson Shelf Valley showing shaded relief topography colored by water depth and 5 m topographic contours (see also Map A sheet 2) at a scale of 1:150,000. The map shows the boundaries between the upper, middle, and lower valley, and the outer shelf, the location of the valley thalweg (red), the streamflow network (black), locations of sediment samples obtained near the valley axis (pink) and assigned along-axis positions (shown in yellow and numbered 1-30), locations of cross-axis bathymetric, locations of cross-axis bathymetric profiles (figure 2a-q) and locations of the bathymetric profiles through the sand wave field in the lower valley (see figure 5a-c). Cross axis profiles 2a-p are at a horizontal scale of 1:150,000 and a vertical exaggeration of 100. Cross-axis profile 2q is at a horizontal scale of 1:150,000 and a vertical exaggeration of 50. All cross-axis profiles are oriented with the western or southern side of the valley to the left. Profiles 2d, f, h and j cross the axis at local topographic lows; profiles 2e, g, i, and k cross the axis at the intervening topographic highs. See figure 5 for along-axis profiles 5a, b and c. Boxes are locations of images in figures 4 and 5.