



FIGURE 13.35. An example of a quantitative model of point-bar deposits (Willis, 1989). Meander plans to the right indicate downstream and lateral growth of a point bar in discrete increments, and positions of cross sections in various orientations. Cross sections indicate the basal erosion surface of point-bar deposits, large-scale inclined strata due to incremental deposition, contours of mean grain size (dotted lines annotated in mm), and current orientations relative to the cross section (arrows pointing down indicate flow out of the plane of cross section). Point-bar deposits thicken, and inclination of large-scale inclined strata increases, from left to right in sections (A)–(C).