



FIGURE 13.75. Three-dimensional stochastic model simulations. (A) Alluvial-fan deposits simulated using a Markov model (Carle *et al.*, 1998). Note the unrealistic depiction of channel deposits. (B) Fluvial deposits simulated using an object model for channel belts and a sequential indicator simulator for the “background” sheet-flood and lacustrine deposits (Seifert and Jensen, 2000). Note the unrealistic distribution of channel-belt orientations.