



FIGURE 13.33. Bank erosion and human activities. (A) Failed riprap and serious bank erosion along a creek in New York State. Remains of concrete riprap and bridge piers lie in the river. (B) Bank erosion undercutting a railway line in northwest Argentina. (C) River and roads moved during a flood in central America, but this bridge did not. (D) Bank protection on an Alpine river, Switzerland. Images (E) and (F) show riprap along the Brahmaputra River, Bangladesh (photos courtesy of Jim Best). Modified from Bridge (2003).