



FIGURE 13.56. A model of flow over floodplains based on a laboratory study. The perspective diagram indicates a decrease in downvalley flow velocity with distance away from the channel, and large-scale vortices at the channel margin. The across-floodplain variation in flow velocity depends on the depth of overbank flow relative to the channel depth. The interaction between overbank flow and channel flow pattern is not shown. From Bridge (2006).