



FIGURE 13.66. The effect of tectonism on along-stream changes in channel patterns. Based partly on Ouchi (1985). Erosion occurs where the slope is increased, and where the sediment supply is reduced due to upstream deposition, producing terraces (T), a decrease in degree of braiding, or an increase in sinuosity of meandering rivers. Deposition occurs where the slope is decreased, and downstream of erosion zones, producing an increase in braiding and local avulsion. From Bridge (2003).