



FIGURE 7.14. The threshold of sediment motion under waves based on (A) the dimensionless bed shear stress and grain Reynolds number (modified from Komar and Miller (1975a, b), and (B) the dimensionless maximum near-bed orbital velocity and dimensionless wave orbital diameter (modified from Komar and Miller (1973)). Envelopes of data (from Manohar) are shown for laminar and turbulent boundary layers. The boundary between laminar and turbulent boundary layers is approximately 0.5 mm at the threshold of motion.