River Bollin.

Tailed blocks lects the lower on.



orne (1988). e channel (Plate 4.2), a process analysed theoretically by

types of river bank. ays an important part in controlling the form, stability and pper bank failure, lower bank accumulation, and removal of m further erosion (Plate 4.2). This pseudo-cyclic process y on impact and be removed, or they may remain intact to er et al., 1987). The collapsed blocks produced by mass failozen sediments and cuts a thermo-erosional niche at the is been observed under permafrost conditions where river de of failure depending on the geometry of the overhang sive layer which then fails when a critical state is reached, posed a mechanism of cantilever failure. Undercutting of the tion along rivers with alluvial floodplains, Thorne and Tovey material overlies non-cohesive sands or gravels, a relatively which seeks to increase bank angle. In composite river banks eness of these several mechanisms is considerably enhanced hydraulic action generates an overhang or cantilever in subsequent hydraulic action, meanwhile protecting the

ocess of erosion in its own right. In his study of a Welsh river rther in suggesting that frost action in the form of needle ice ck. While accepting this indirect role, Lawler (1986, e material (Plate 4.3) to leave the bank more susceptible to nditioning process, widening pre-existing cracks and disaggrowth of ice wedges or ice crystals, frost action can be an