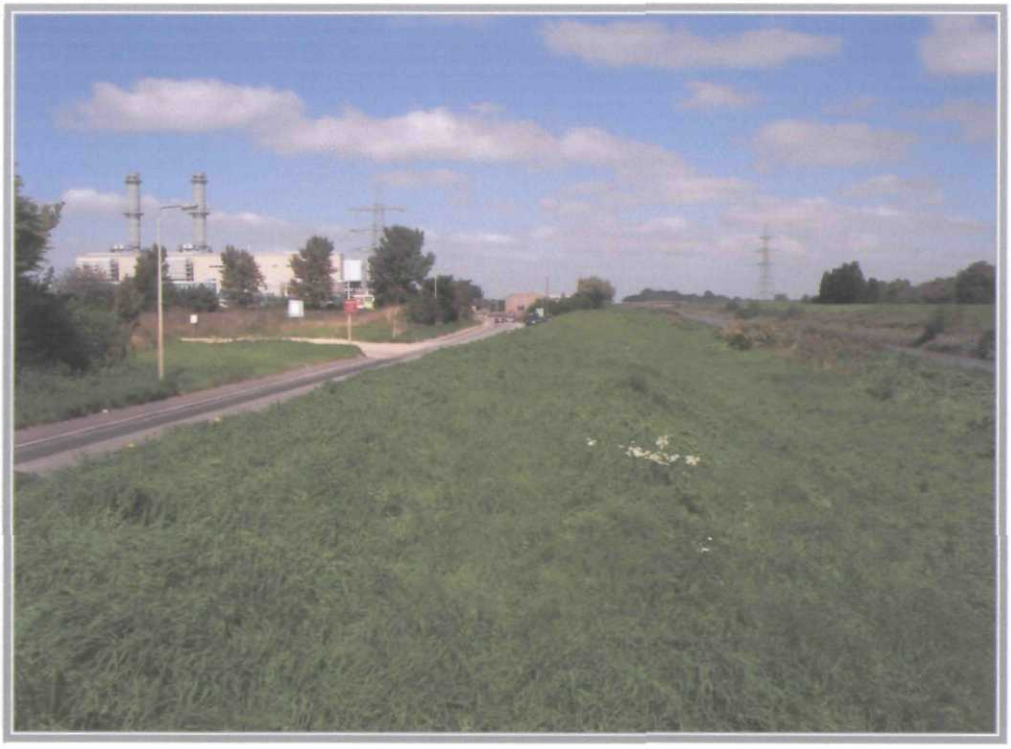
6.94m ODN and 7.62m ODN thereby providing a freeboard against overtopping, at worst, equal to the precautionary derived 0.50m above the year 2002 predicted 0.50% extreme tide level that rises to 6.44m ODN at Fulney Lock. The embankment appears substantial and there is no obvious reason to suspect that it would fail by breaching under peak tidal conditions.



River Welland
Left-hand Embankment, Downstream from Fulney Lock

4.03 In contemplating potential tidal flooding, it is appropriate to reflect upon the likely effect of a failure of Fulney Lock although such potential occurrence is considered very remote. Under normal conditions, such incident would result in the tidal ingress progressing upstream into the fluvial waters without undue cause for alarm, but in the remote circumstance of a failure during a fluvial peak flow situation at the peak of a spring tide, incoming seawater would undoubtedly present a serious situation. The probability of this extreme scenario is however, considered to be well beyond the tidal parameters applied to this assessment and is therefore to be disregarded.

Fluvial River Welland

4.04 The left-hand bank of the river over a distance of some 1.30km upstream from Fulney Lock supports the important County highways of West Marsh Road and Albion Street. Although this wide ribbon of ground is not, in essence, an embankment, it is nonetheless typically 1.70m higher than the neighbouring