

4. Potential Flooding Sources

- 4.1 A breach or over-topping of The River Nene embankments at this location is unlikely as the embankment levels 1 km to the North at Port Sutton Bridge would allow flood waters to escape downstream of this site into the former dock which is now Sutton Bridge Golf course, parts of which are at a level of 2.00 metres ODN.



TIDAL RIVER NENE

- 4.2 The tidal surge of January 1978 which compromised the tidal river defences of the River Nene resulted in major bank raising schemes in the area, did not effect this site.
- 4.3 High ground water levels can lead to serious water – logging and potential flooding but with the existence of the Internal Drainage Board the existing good maintenance of the land drainage system will continue.

5. Flood History & Improvements

- 5.1 Discussions with South Holland Internal Drainage Board confirm that no flooding has occurred in the area.

6. Local Hydraulics

- 6.1 The aspect of hydraulics in this Fenland area is inevitably a land drainage issue and it is to be recognised that the efficiency of open channels is affected by aquatic weed growth and bed accretion that occurs over time. However, to ensure that the IDB watercourses function to a good standard, the vegetation is cleared once and most probably twice annually by either machinery or hand labour, depending upon available access, with desilting operations undertaken as necessary. This said, it is inevitable that heavy rainfall will occur at some time when various watercourses are profuse with aquatic growth but under such circumstances, it is improbable that the matter would not receive emergency attention by the Board, particularly if water levels in a “high priority” watercourse, became unacceptably high.