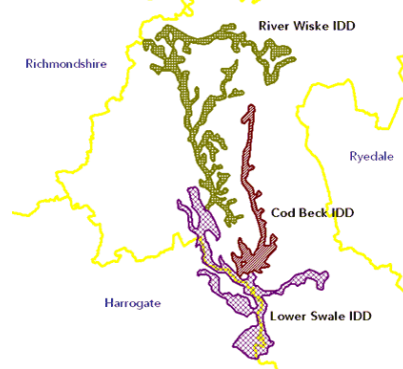


# PROJECT FACT SHEET

## THIRSK INTERNAL DRAINAGE BOARD ASSET MANAGEMENT STUDY

**General** The River Wiske, Lower Swale and Cod Beck Internal Drainage Boards cover an area of 10,300ha. The Boards maintain 315km of watercourse. Two main urban conurbations, Thirsk and Northallerton both of which have experienced flooding in the past are located within the Board's district.

**Purpose** The purpose of the study was to ascertain the current condition of the Board's assets, and to identify the location of key structures including embankments, informal defences, weirs, culverts, bridges and outfalls, which could have an impact of drainage matters. This has enabled the Boards to prioritise and plan future capital and maintenance work.



**Condition Assessment** The condition surveys were undertaken by a walker over survey, following the guidelines within the Environment Agency's Condition Assessment Manual. Each asset identified was surveyed and photographed and a condition grade assigned. To increase the speed and accuracy of the field survey, JBA Consulting's hand held computer software GISmo was utilised. This allowed assets locations to be fixed in the field using the Global Satellite Positioning system. The use of GISmo significantly reduced both field and data processing time, enabling the entire survey to be completed within 6 months.



Left : JBA's GISmo

**Maintenance Regime** The past five years of maintenance works were reviewed and the information used to create a database and map, providing a quick and effective method of reviewing the location and nature of previous works.

**Data Use** Following completion of the study, the condition assessment and maintenance information was used by the Internal Drainage Board's to formulate their annual maintenance programmes.

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**Client** Cod Beck, Lower Swale and River Wiske Internal Drainage Board

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