

LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse

Areas Susceptible to Groundwater Flooding

Area classification (proportion of each 1km square that is susceptible to groundwater flood emergence). Absence of values for any grid squares means that no part of that square is identified as being susceptible to groundwater emergence. See notes for further guidance.

- >= 75%
- >= 50% < 75%
- >= 25% < 50%
- < 25%

NOTES Areas Susceptible to Groundwater Flooding (ASIGWF) is a strategic scale map showing groundwater flood areas on a 1km square grid. It was developed specifically by the Environmental Agency for use by LLFAs for use in Preliminary Flood Risk Assessment (PFRA) as required under the Flood Risk Regulations. The map was produced to annotate indicative Flood Risk Areas for PFRA with information to allow LLFAs to determine whether there may be a risk of flooding from groundwater.

The data has used the top two susceptibility bands of the British Geological Society (BGS) 1:50,000 Groundwater Flood Susceptibility Map and thus covers consolidated aquifers (chalk, sandstone etc., termed 'cleanwater' in the data attributes) and superficial deposits. It does not take account of the chance of flooding from groundwater rebound. It shows the proportion of each 1km grid square where geological and hydrogeological conditions show that groundwater might emerge. The susceptible areas are represented by one of four area categories (listed above) showing the proportion of each 1km square that is susceptible to groundwater emergence. It does not show the likelihood of groundwater flooding occurring.

In common with the majority of datasets showing areas which may experience groundwater emergence, this dataset covers a large area of land, and only isolated locations within the overall susceptible area are actually likely to suffer the consequences of groundwater flooding.

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Project Title
COLCHESTER BOROUGH COUNCIL STRATEGIC FLOOD RISK ASSESSMENT UPDATE

Drawing Title
AREAS SUSCEPTIBLE TO GROUNDWATER FLOODING

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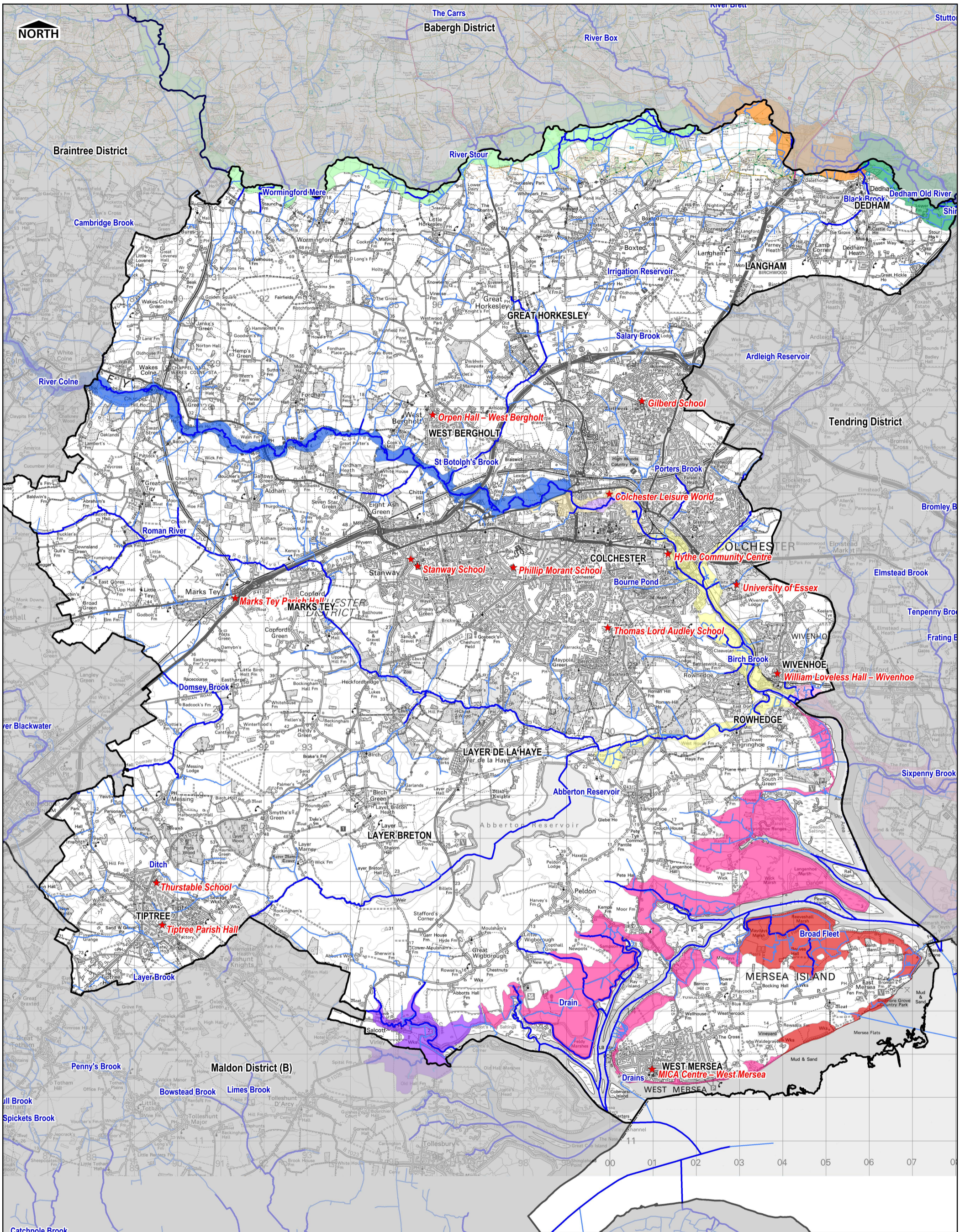
Drawn	SB	Version	1
Checked	EG	Date	Aug 2016
Approved	SK	Scale at A3	1:80,000

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Colchester, the place to live, learn, work, and visit.

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FIGURE 5	01



LEGEND

Administrative Boundaries
★ Colchester BC Emergency Rest Centre
— Main River
— Ordinary Watercourse

Flood Warning Areas

- Blackwater North Bank
- East Mersea
- North & South banks of Stour Estuary
- River Colne from Halstead to Lexden
- River Colne, through Colchester
- River Stour from Boxted to Dedham
- River Stour from Subbury to Boxted, inclusive
- Riverside properties in Colchester, incl. cricket ground
- Salcott cum Virley
- The Tidal River Colne upstream of the Colne Barrier
- Tidal River Colne at Point Clear and Saint Osyth Creek
- Tidal River Colne from Brightingsea to the Colne Barrier
- West Mersea, The Strood and adjacent marshland

NOTES

Main Rivers are designated by Defra on a 'Main River Map'. The Environment Agency has permissive powers to carry out flood defence works, maintenance and operational activities for Main Rivers only. However overall responsibility for maintenance lies with the riparian owner.

An Ordinary Watercourse is a watercourse that does not form part of a Main River. This includes all rivers and streams and ditches, drains, cuts, culverts, dikes, sluices (other than public sewers within the meaning of the Water Industry Act 1991) and passages, through which water flows according to the Land Drainage Act 1991.

The Environment Agency provides a free flood warning service for many areas at risk of flooding from rivers and the sea. The Environment Agency issue flood warnings to homes and businesses when flooding is expected. Upon receipt of a flooding warning, occupants should take immediate action.

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Drawing Title	FLOOD WARNING AREAS	
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