

KEY

Basildon Borough Boundary

Defence Design Standard (NFCCD Dataset)

- 1000yr
- 200 - 1000yr
- 100 - 200yr
- 50 - 100yr
- 40 - 50yr
- 30 - 40yr
- 20 - 30yr
- 10 - 20yr
- 0 - 10yr
- Unknown

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 STRATEGIC FLOOD RISK ASSESSMENT**

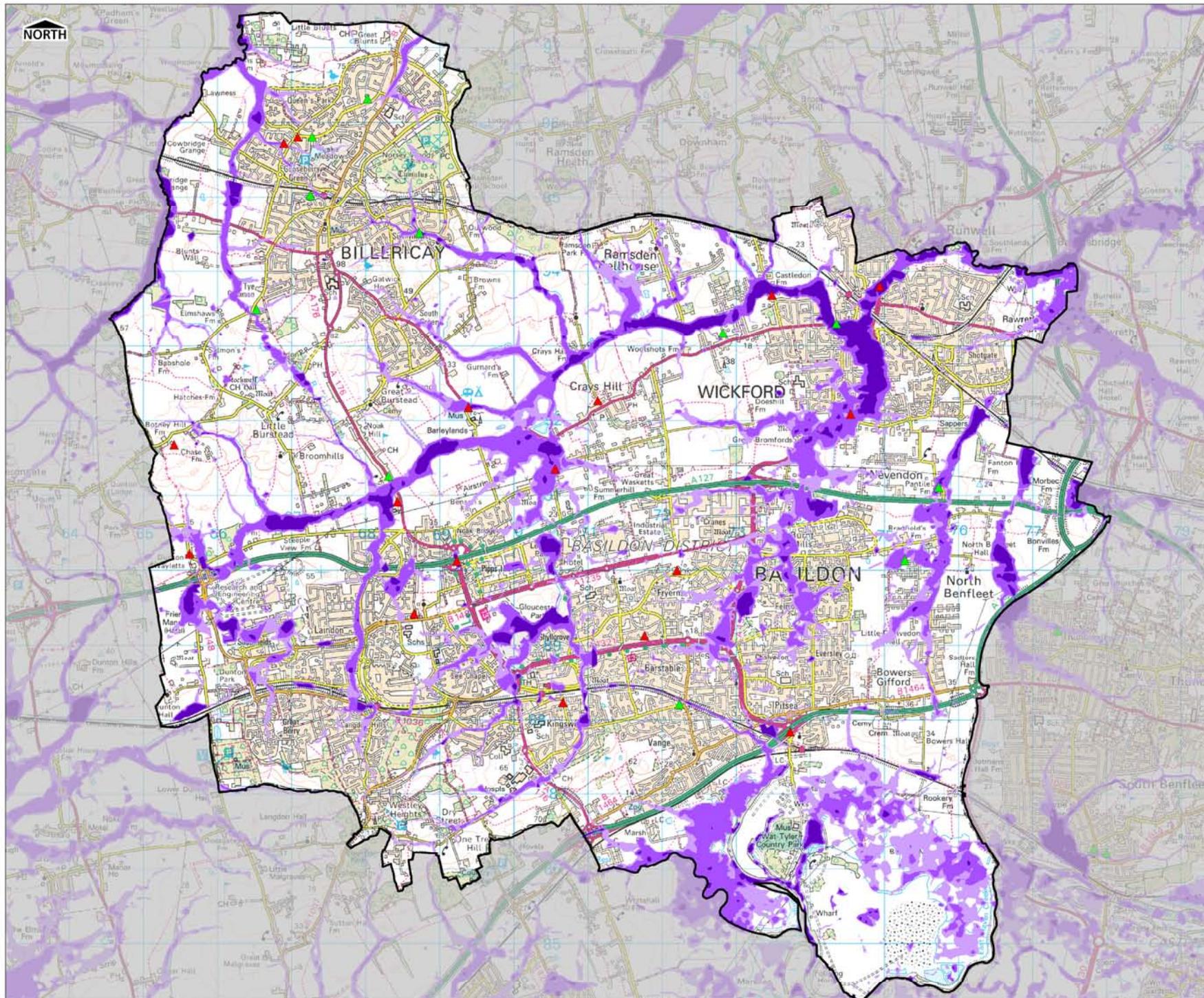
**FLOOD DEFENCE DESIGN STANDARD
 (NFCCD)**



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FIGURE A-7



KEY

- Basildon Borough Boundary
- Areas Susceptible to Surface Water Flooding (Environment Agency Dataset)**
 - Less
 - Intermediate
 - More
- Records of Flooding provided by Basildon BC
- Sewer Flooding Records (Anglian Water DGS Records)

USER NOTE
 The Areas Susceptible to Surface Water Flooding dataset provides national coverage and has been produced using a highly simplified method that excludes urban sewerage and drainage systems, excludes buildings, and uses a single rainfall event. It is noted that this mapping is intended for use by the Local Resilience Forums solely to inform emergency planning and should not be used for spatial planning decisions. In addition, the Environment Agency strongly recommends that local knowledge is applied to assess the suitability of the mapping as an indicator of surface water flooding before emergency planners make decisions based upon it.

In line with these recommendations, incidents of flooding recorded by Basildon BC and records of sewer flooding supplied by Anglian Water from their DGS register have been used to verify the ASTSW dataset.

The surface water flow paths follow the general topography of the area, as shown in Figure A-2, and the predominant flow paths correlate with the tributaries of the River Crouch. Records of flooding around Wickford, North Benfleet, Nevendon, Barleylands, Dunton Waylets and to the north of Noak Bridge correlate well with the modelled dataset.

Records of flooding in Billericay and Basildon New Town correlate less well with the modelled dataset. It is recommended that these incidents of flooding are investigated further as part of the Surface Water Management Plan for Basildon BC.

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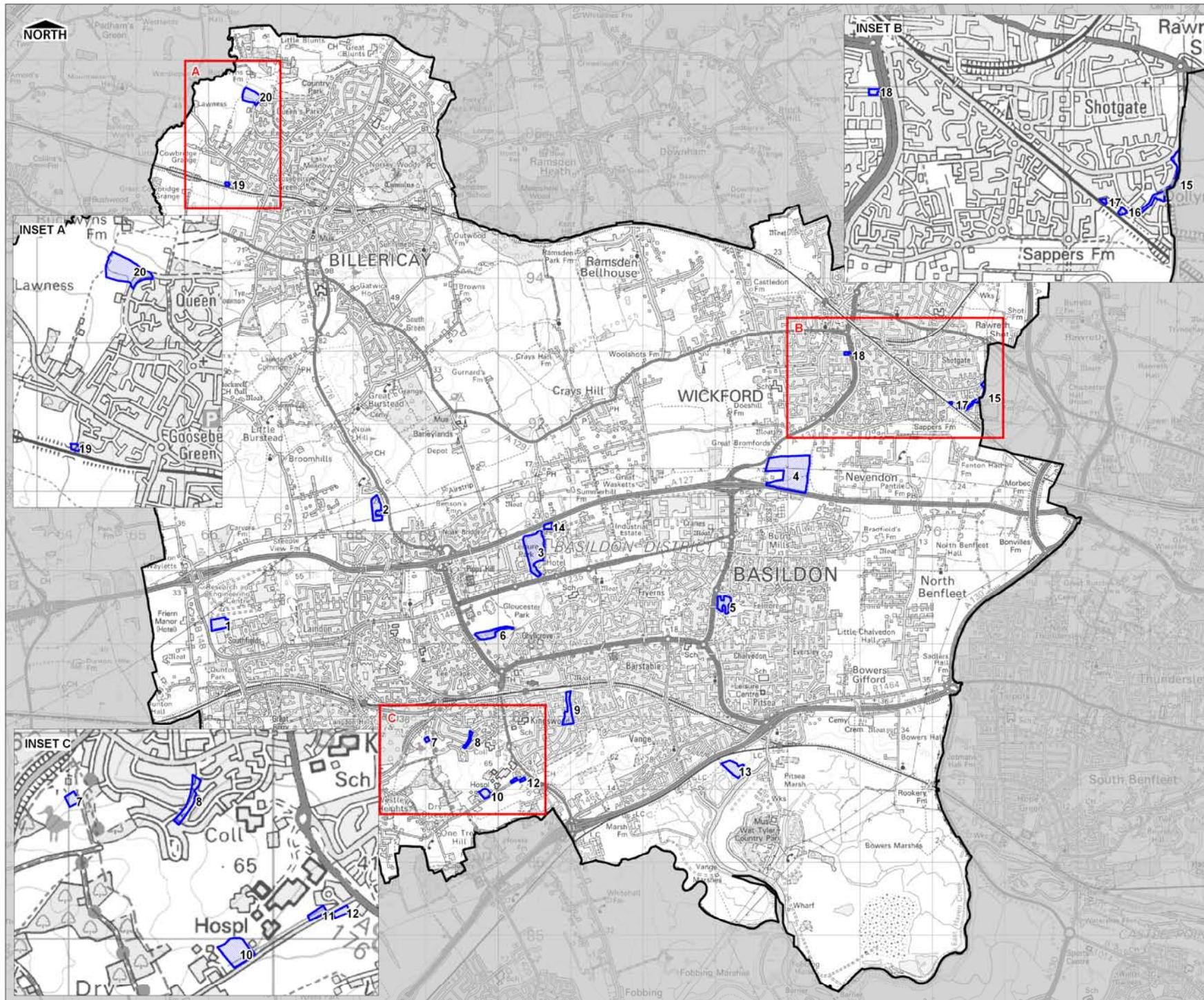
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**AREAS SUSCEPTIBLE TO
 SURFACE WATER FLOODING**

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FIGURE A-8



- KEY**
- Basildon Borough Boundary
 - Washland Storage Areas Designated Flood Zone 3b
- 1 Southfield Washland
 - 2 Noak Hill Washland
 - 3 Pippshill Lake
 - 4 Courtauld Road
 - 5 Northlands Park
 - 6 Gloucester Park Fishing Lake
 - 7 Long Wood Washland
 - 8 Lee Chapel South Flood Relief Works
 - 9 Kingswood Surface Water Balancing Area
 - 10 Dry Street Washland
 - 11 Hospital Washland
 - 12 Wootens Washland
 - 13 Vange Storage Basin
 - 14 Turners Chase Washland
 - 15 Wethersfield Way Washland
 - 16 Hurricane Way
 - 17 Blenheim Court
 - 18 Albany Road
 - 19 Pleasant Drive
 - 20 Hannikins Meadow

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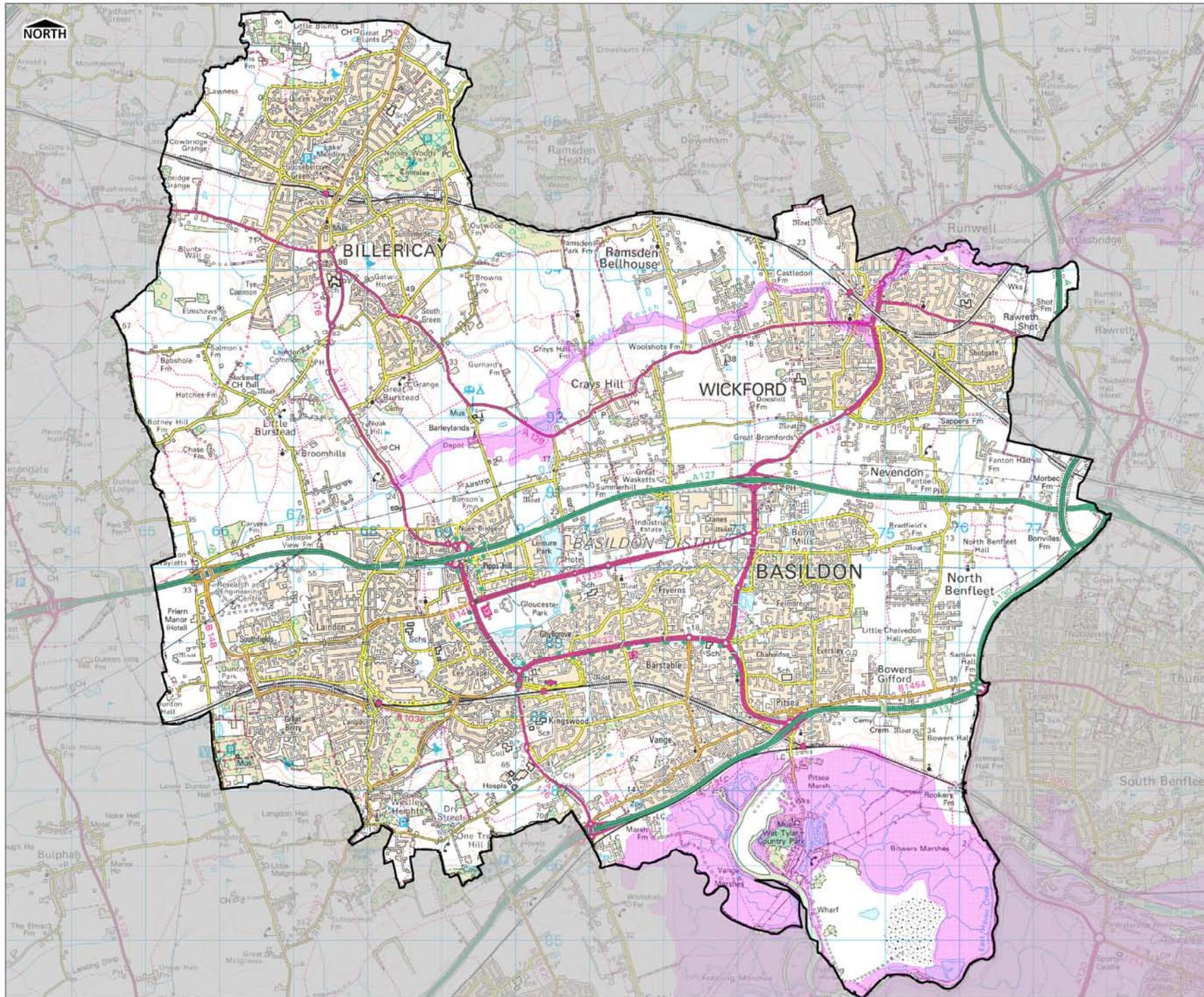
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BASILDON NEW TOWN WASHLANDS
 STORAGE AREAS



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FIGURE A-9



KEY

- Basildon Borough Boundary
- Environment Agency Flood Warning Areas

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 STRATEGIC FLOOD RISK ASSESSMENT**

**ENVIRONMENT AGENCY
 FLOOD WARNING AREAS**

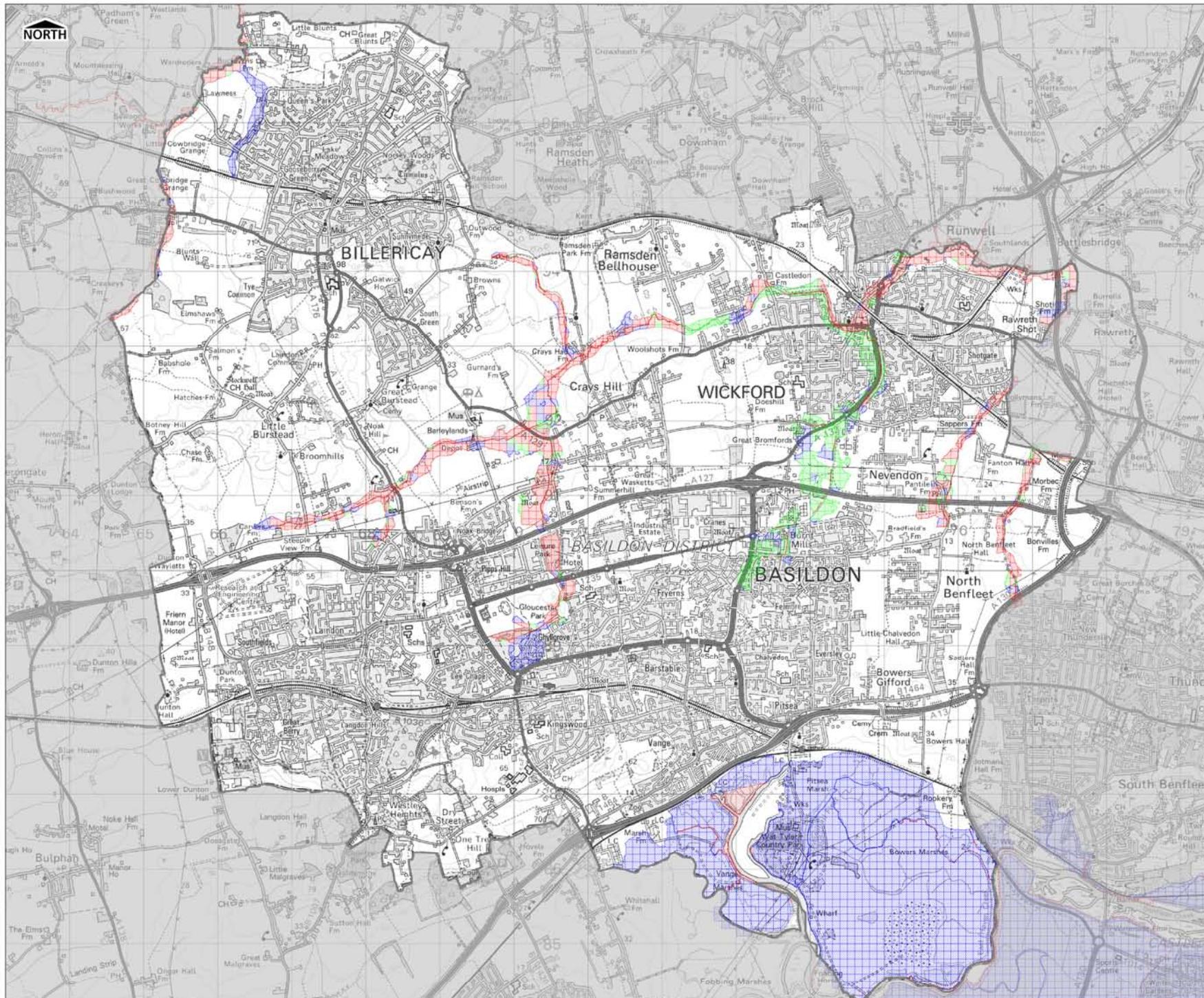


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DRAWING NUMBER

FIGURE A-10



KEY

Basildon Borough Boundary

National Flood Risk Assessment (NaFRA) Probability Bandings

- Low
- Moderate
- Significant
- No Result

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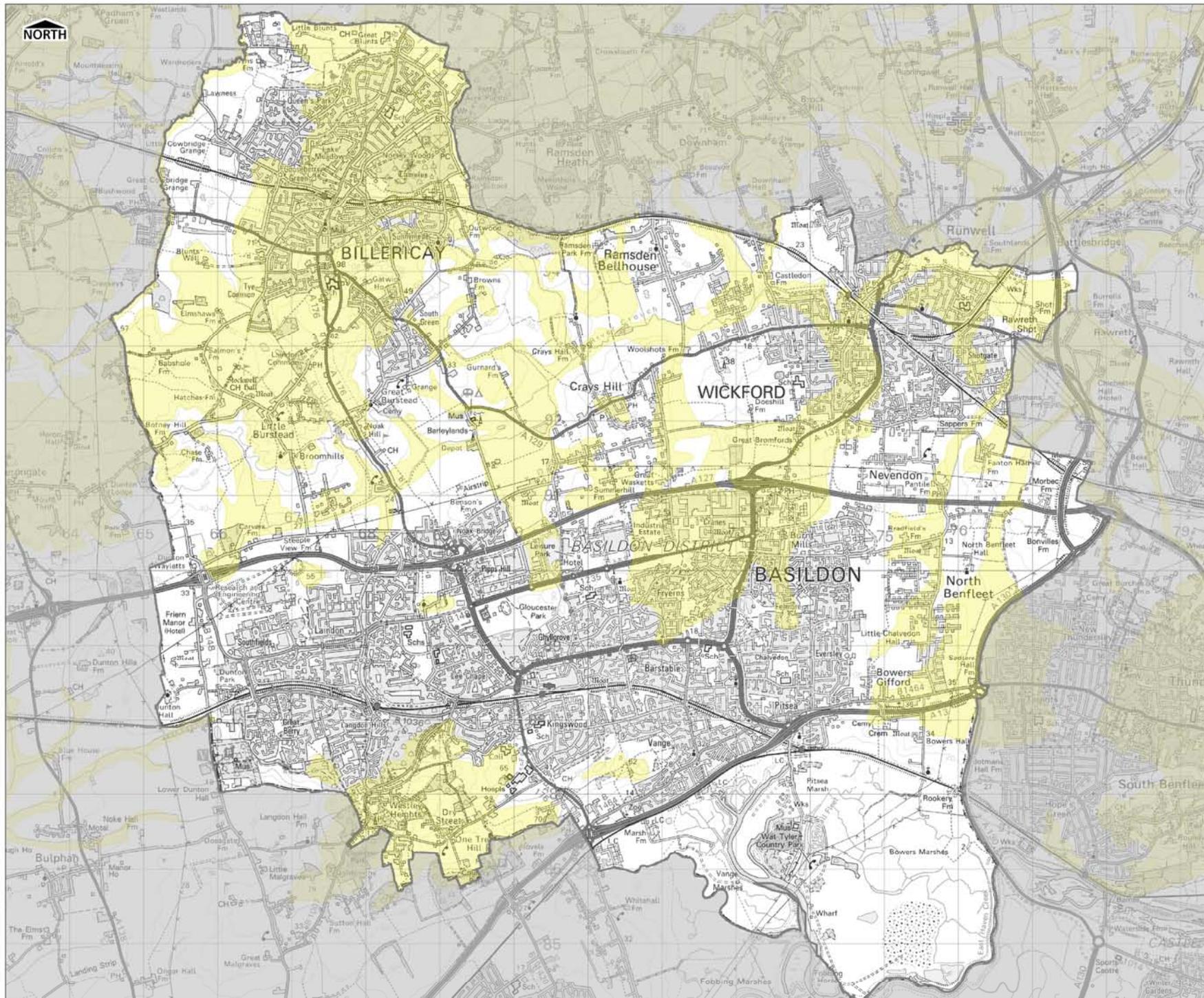
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 STRATEGIC FLOOD RISK ASSESSMENT**

**NATIONAL FLOOD RISK ASSESSMENT
 [NaFRA]**



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KEY

Basildon Borough Boundary

Aquifer Designation

Major Aquifer

Minor Aquifer

NOTE

A Major Aquifer is defined as strata with a high permeability which has known or probable significant fracturing. It may be highly productive and able to support large abstractions for public supply and other purposes.

A Minor Aquifer is defined as strata of variable permeability where groundwater may be used as a local source but seldom produces sufficient water for large abstractions.

A Non Aquifer is defined as strata that are generally regarded as containing insufficient quantities of groundwater; however groundwater may flow through the structure.

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AQUIFER DESIGNATION

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FIGURE A-12