

# A47/A11 Thickthorn Junction

**Scheme Number: TR010037**

## **Volume 6**

### **6.2 Environmental Statement Figures**

#### **Figure 13.1 – 13.8**

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed  
Forms and Procedure) Regulations 2009

March 2021

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning  
(Applications: Prescribed Forms and  
Procedure) Regulations 2009**

The A47/A11 Thickthorn Junction  
Development Consent Order 202[x]

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**ENVIRONMENTAL STATEMENT FIGURES**

**Figure 13.1 – 13.8**

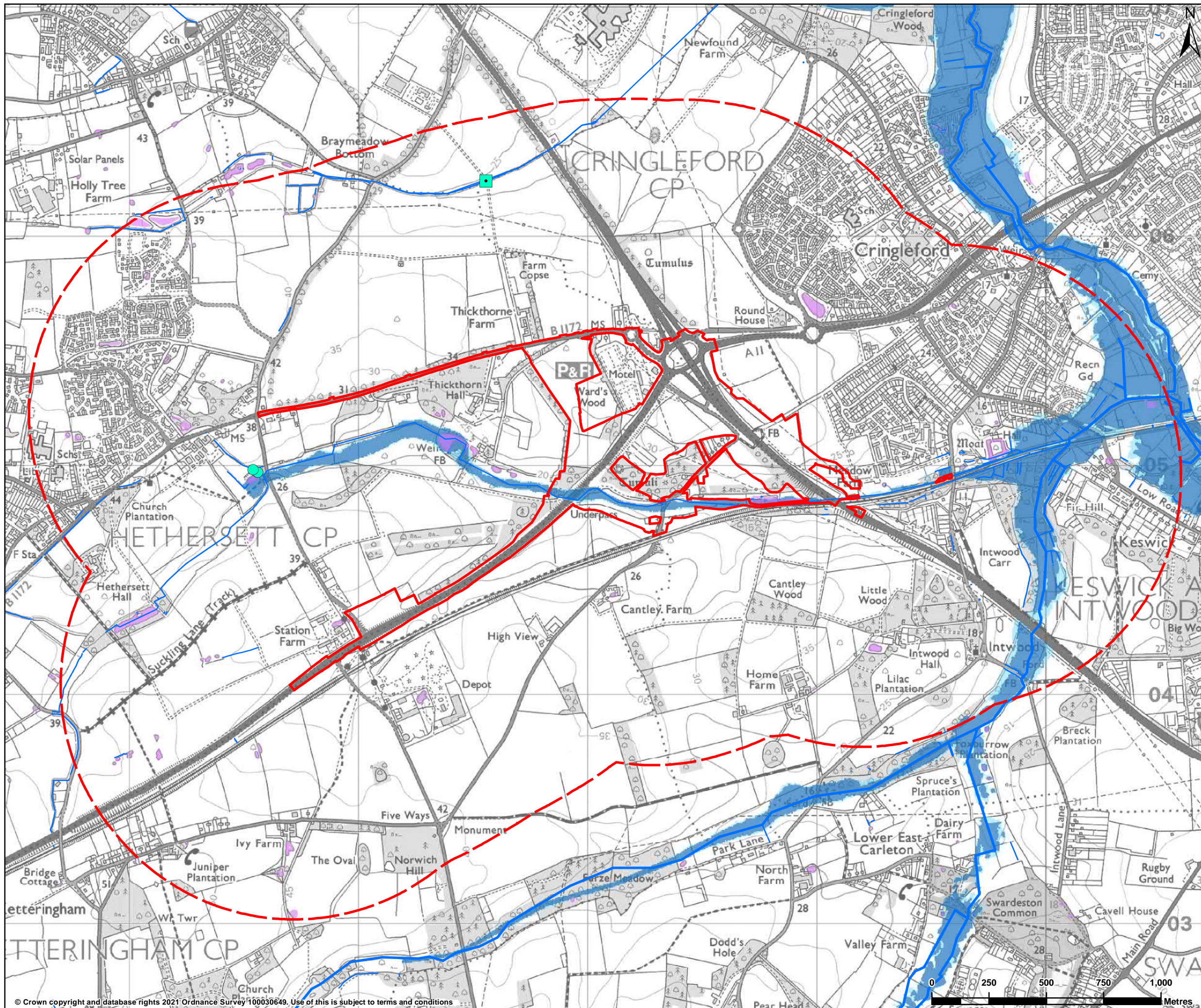
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<b>Regulation Number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference</b>	TR010037
<b>Application Document Reference</b>	TR010037/APP/6.2
<b>BIM Document Reference</b>	PCF Stage 3
<b>Author:</b>	A47/A11 Thickthorn Junction Project Team, Highways England

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
Rev 0	March 2021	Application Issue

## **SCHEDULE OF FIGURES INCLUDED IN THIS APPLICATION DOCUMENT**

<b>Figure Title</b>	<b>Drawing number</b>
Figure 13.1 - Surface water features, abstractions, discharges and fluvial flood risk	HE551492-GTY-EWE-000-DR-GI-30001
Figure 13.2 - Water Framework Directive (WFD) and Internal Drainage Board (IDB)	HE551492-GTY-EWE-000-DR-GI-30002
Figure 13.3 - Aquifer designations	HE551492-GTY-EWE-000-DR-GI-30003
Figure 13.4 - Water Framework Directive (WFD) groundwater bodies	HE551492-GTY-EWE-000-DR-GI-30004
Figure 13.5 - Groundwater abstractions, discharges and source protection zones	HE551492-GTY-EWE-000-DR-GI-30005
Figure 13.6 - Surface water flood risk	HE551492-GTY-EWE-000-DR-GI-30006
Figure 13.7 - Susceptibility to groundwater flooding	HE551492-GTY-EWE-000-DR-GI-30007
Figure 13.8 - Ground investigation boreholes	HE551492-GTY-EWE-000-DR-GI-30008



- LEGEND**
- DCO boundary
  - Study area
  - Surface water abstractions points
  - Surface water consented discharge
  - Main River
  - Ordinary watercourse
  - Ponds
  - Flood zone 3
  - Flood zone 2

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**GallifordTry**

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**highways england**

PROJECT TITLE  
A47/A11 THICKTHORN JUNCTION

PROJECT STAGE  
PCF STAGE 3

DRAWING TITLE  
FIGURE 13.1 - SURFACE WATER FEATURES, ABSTRACTIONS, CONSENTED DISCHARGES AND FLUVIAL FLOOD RISK TR010037/APP/6.2

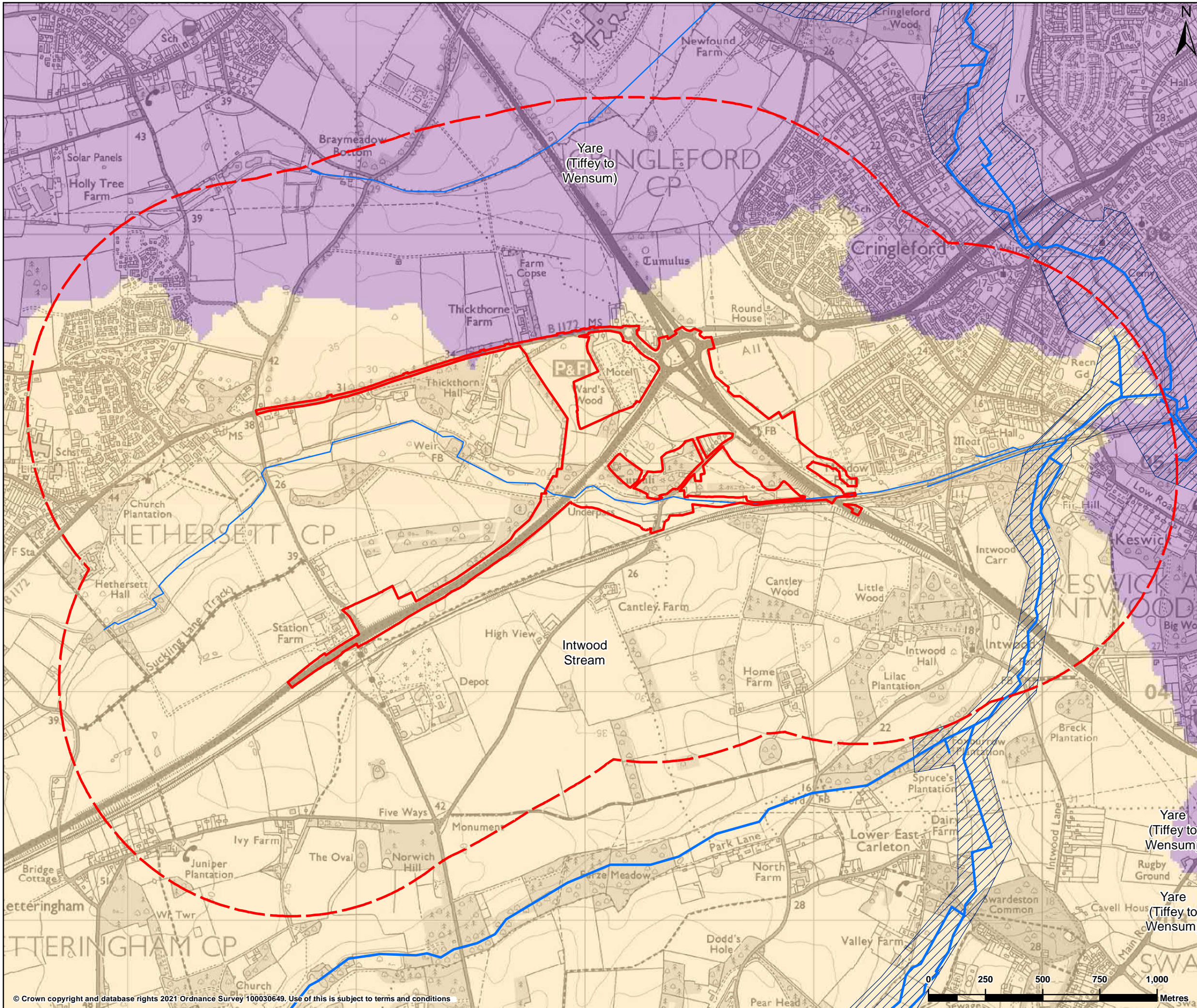
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- LEGEND**
- DCO boundary
  - Study area
  - Main River
  - Ordinary watercourse
  - IDB Catchment (Norfolk Rivers)
  - WFD - River water body catchment areas**
  - Intwood Stream
  - Yare (Tiffey to Wensum)

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 FIGURE 13.2 - WATER FRAMEWORK DIRECTIVE (WFD) AND INTERNAL DRAINAGE BOARD (IDB) SURFACE WATERBODIES  
 TR010037/APP/6.2

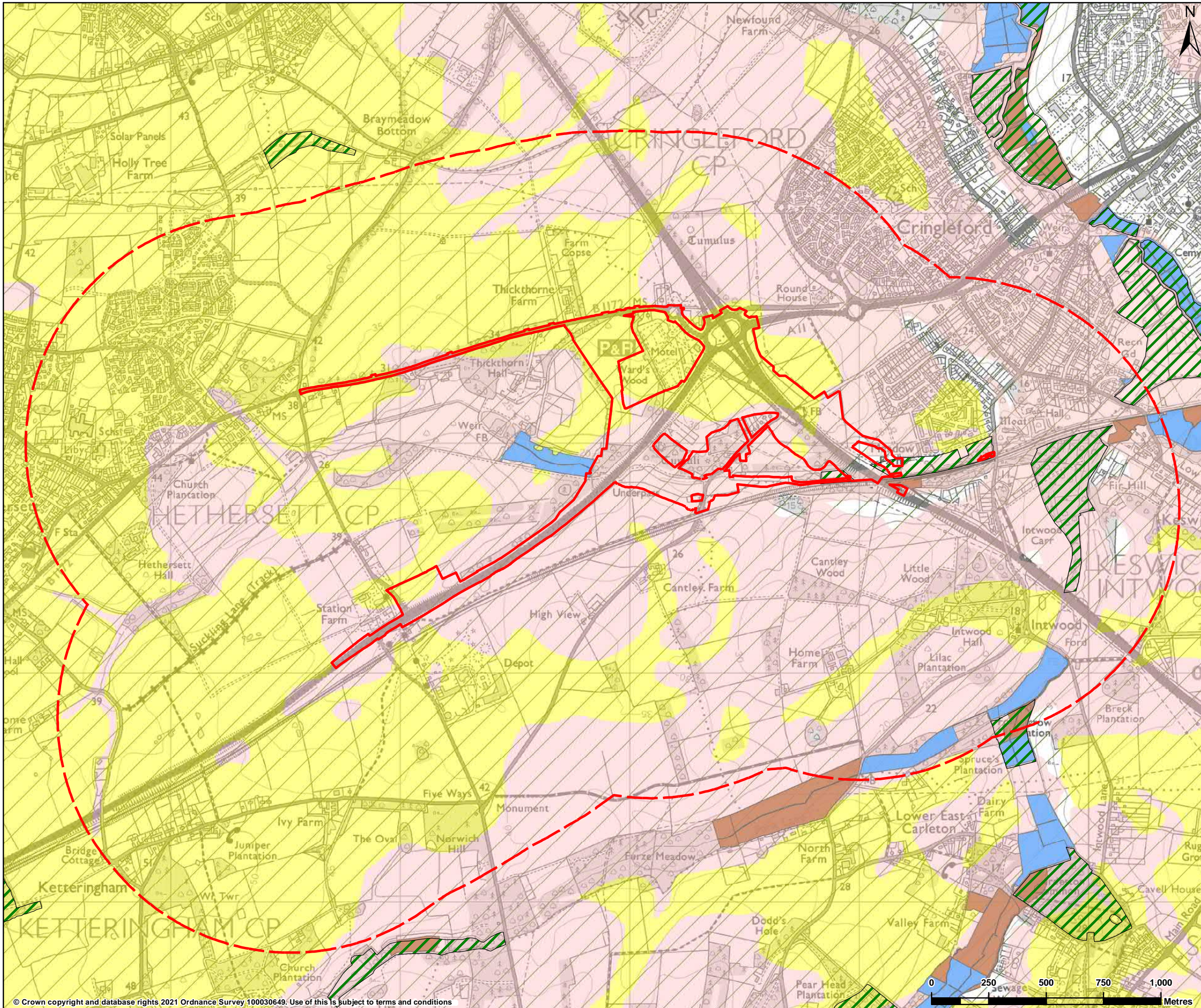
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**LEGEND**

- DCO boundary
- Study area
- County wildlife site

**Priority Habitat**

- Coastal and floodplain grazing marsh
- Lowland fens

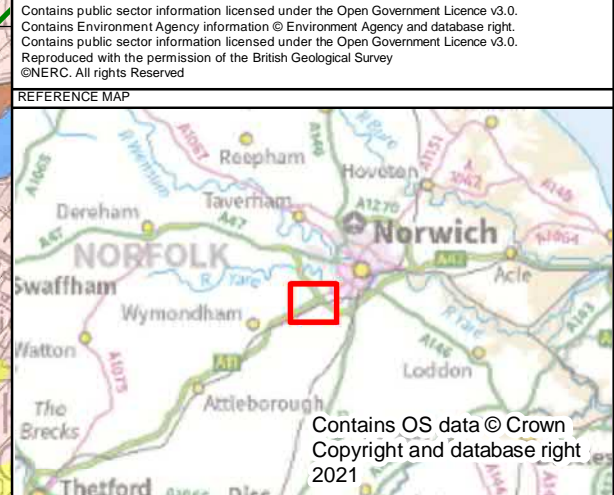
**BGS Aquifer Designation - Superficial**

- Secondary A
- Secondary (undifferentiated)

**BGS Aquifer Designation - Bedrock**

- Principal

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 FIGURE 13.3 - AQUIFER DESIGNATIONS  
 TR010037/APP/6.2

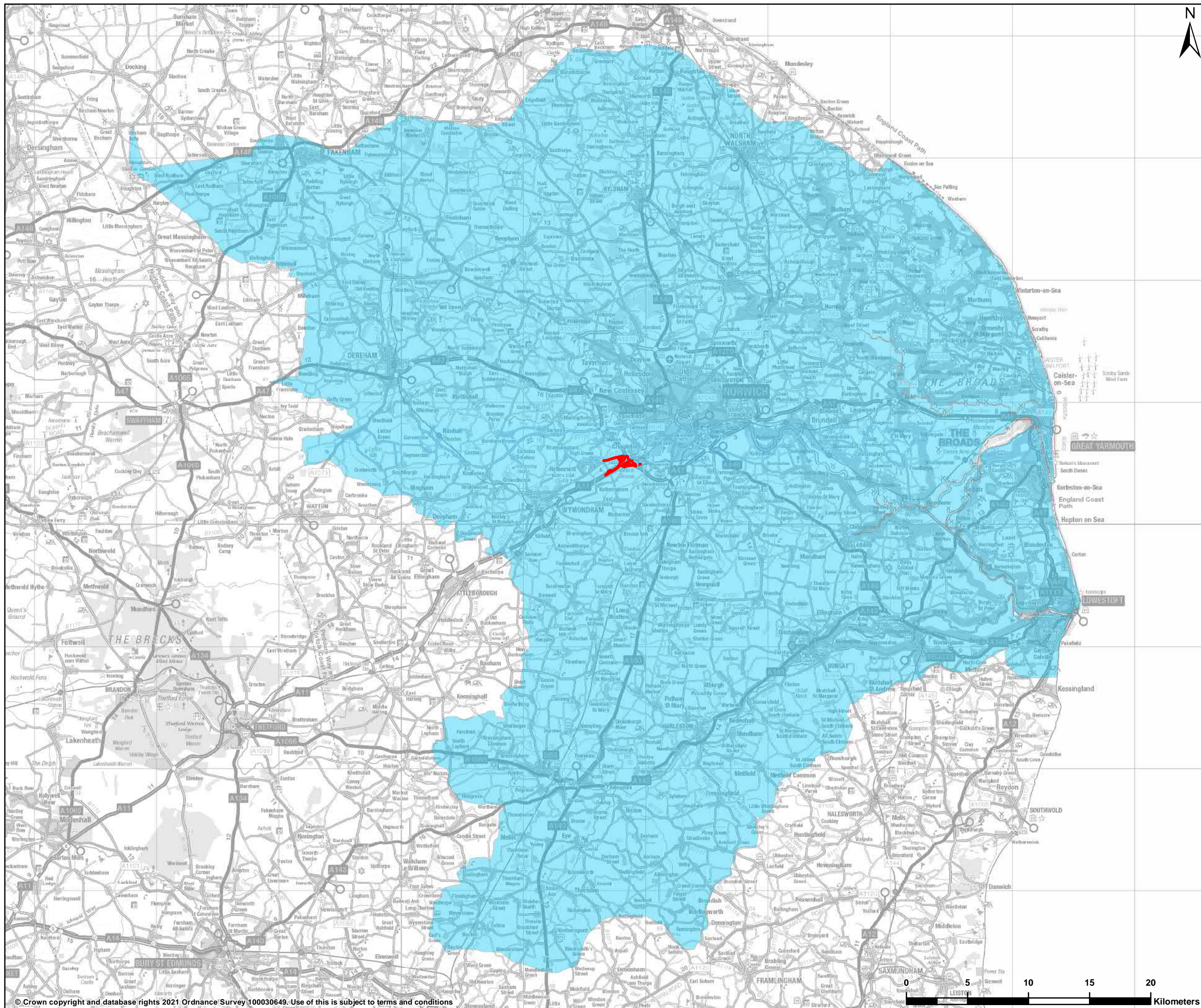
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**LEGEND**

- DCO boundary
- Broadland Rivers Chalk and Crag Groundwater Body

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FIGURE 13.4 - WATER FRAMEWORK DIRECTIVE (WFD) GROUNDWATER BODIES TR010037/APP/6.2

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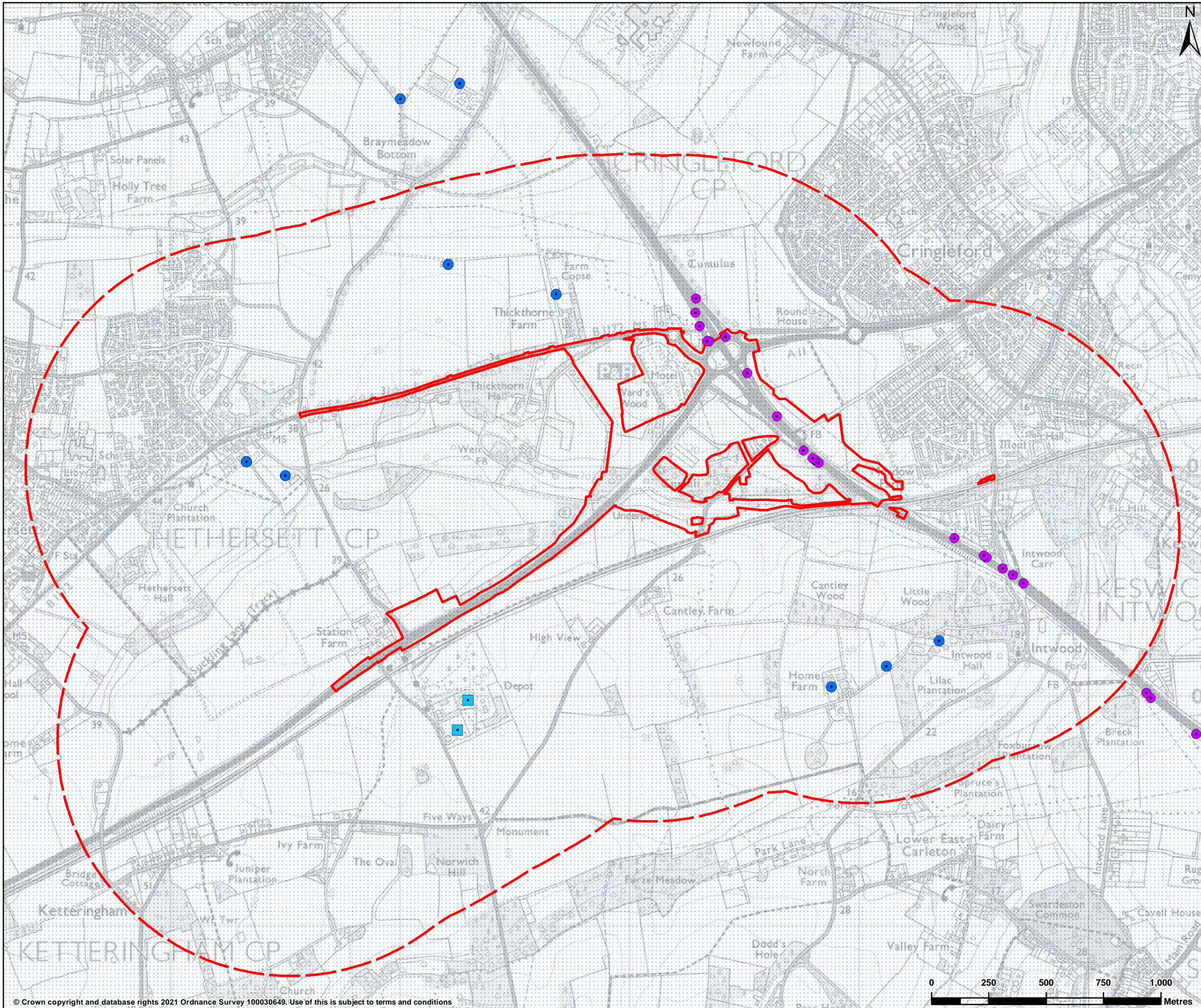
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- LEGEND**
- DCO boundary
  - Study area
  - Source Protection Zone III - Total Catchment
  - Existing Highways England soakaways
  - Licensed abstractions**
  - Groundwater source of supply
  - Consented discharge location**
  - Groundwater consented discharge

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FIGURE 13.5 - GROUNDWATER ABSTRACTIONS,  
DISCHARGES AND SOURCE PROTECTION ZONES  
TR010037/APP/6.2

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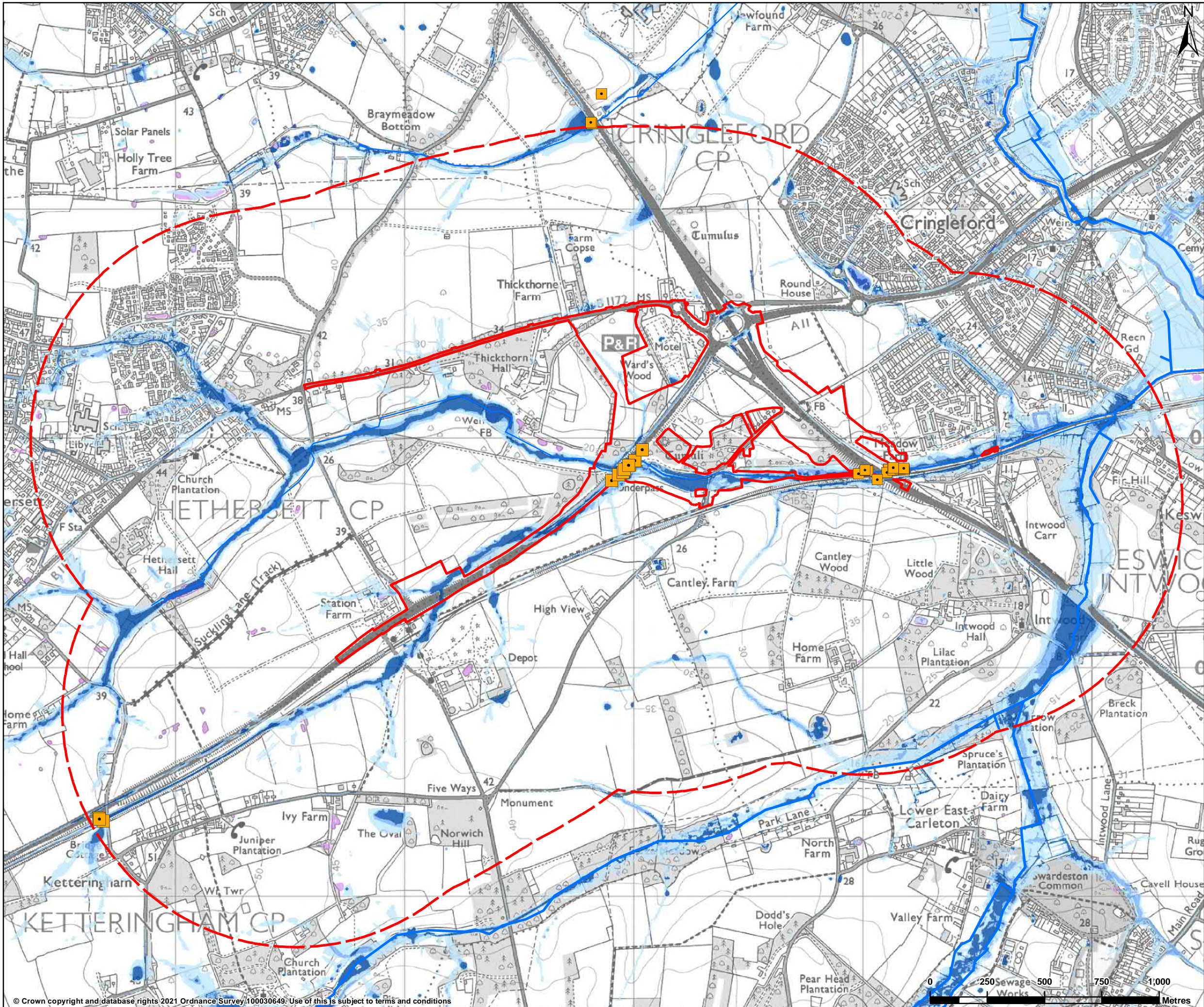


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- LEGEND**
- DCO boundary
  - Study area
  - Highways England Outfall locations
  - Main River
  - Ordinary watercourse
  - Risk of flooding from surface water - High
  - Risk of flooding from surface water - Medium
  - Risk of flooding from surface water - Low
  - Surface water feature

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 FIGURE 13.6 - SURFACE WATER FLOOD RISK  
 TR010037/APP/6.2

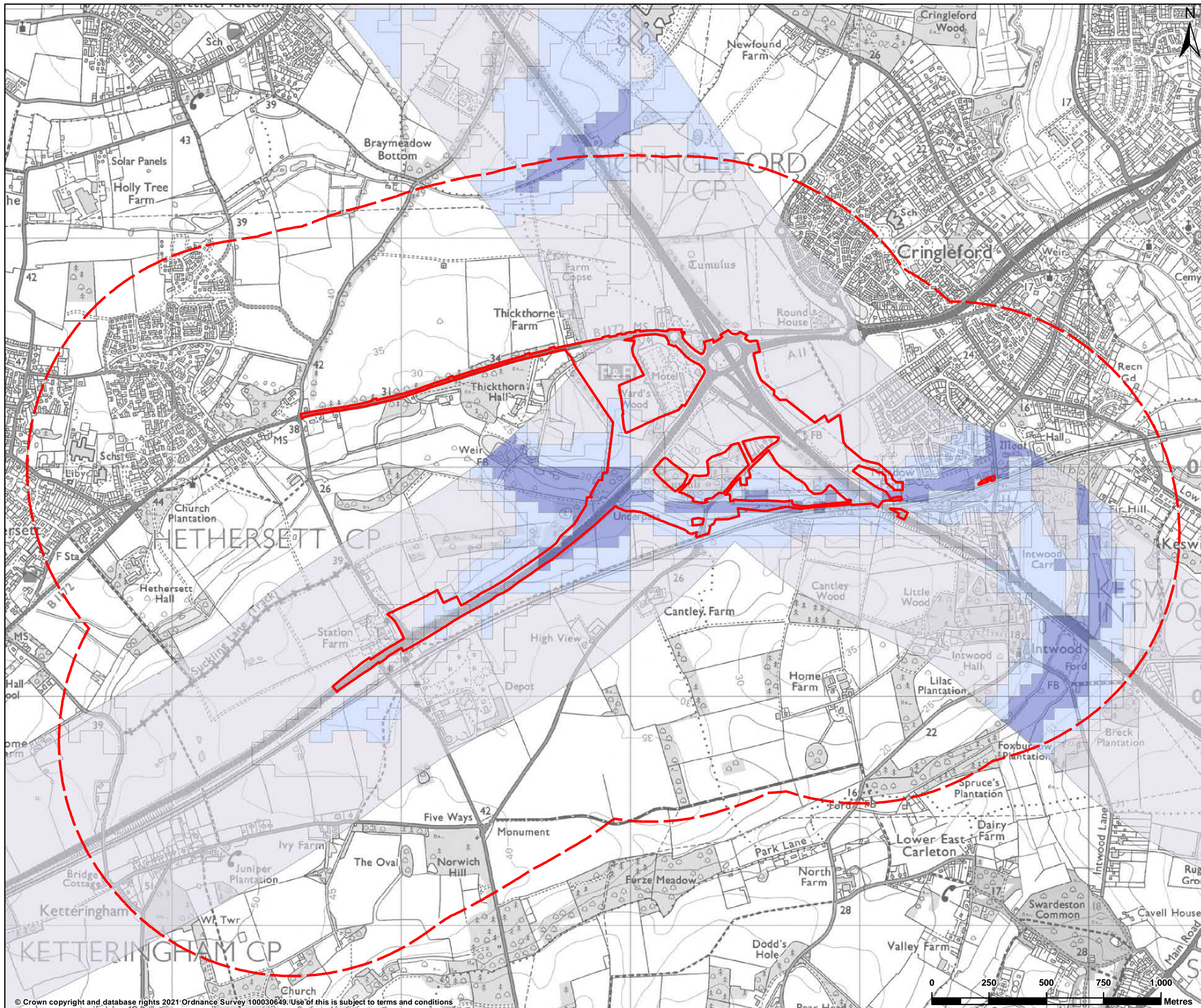
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**LEGEND**

- DCO boundary
- Study area

**BGS Groundwater Flooding Susceptibility**

- Limited potential for groundwater flooding to occur
- Potential for groundwater flooding of property situated below ground level
- Potential for groundwater flooding to occur at surface

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FIGURE 13.7 - SUSCEPTIBILITY TO  
GROUNDWATER FLOODING  
TR010037/APP/6.2

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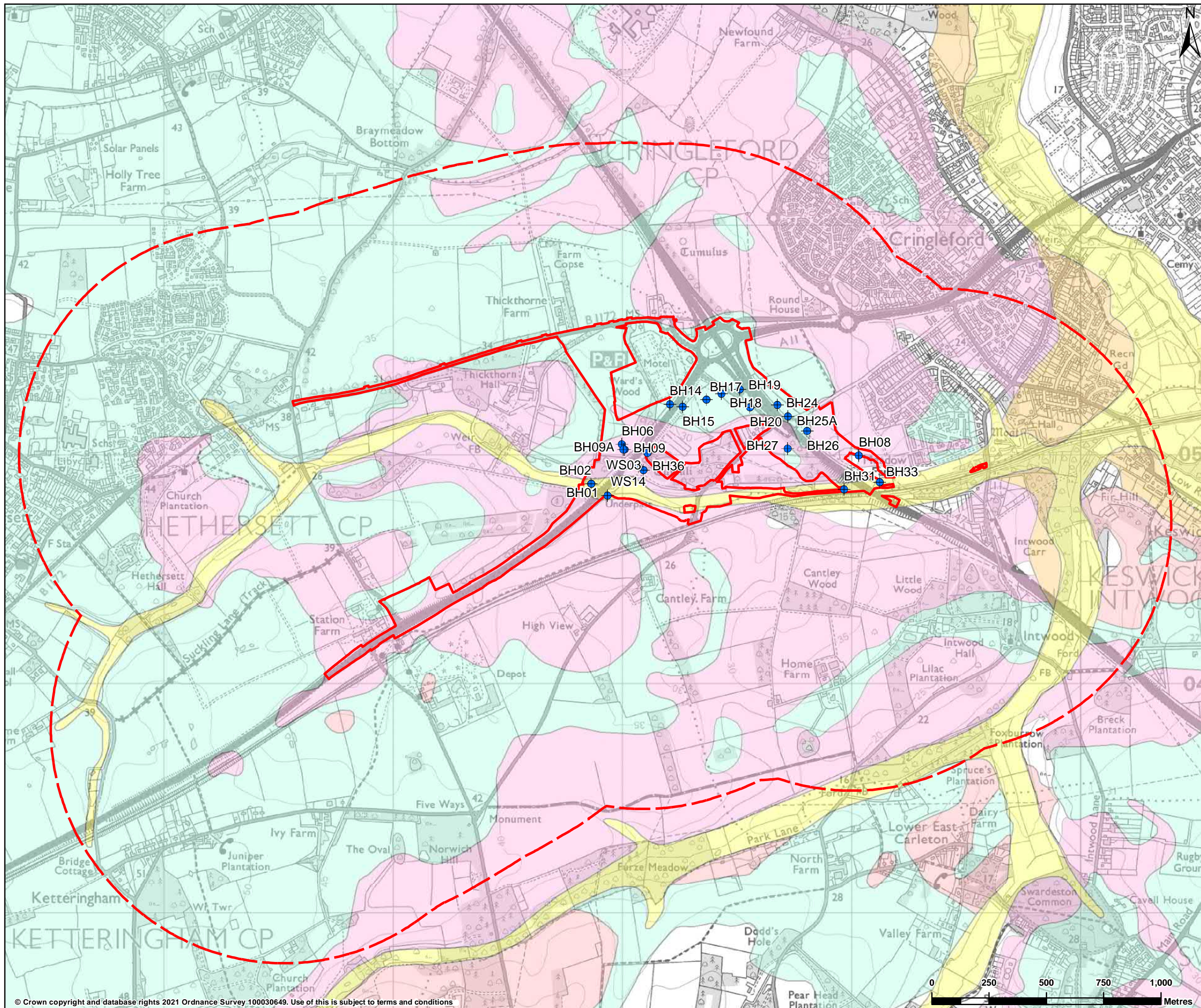
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**LEGEND**

- DCO boundary
- Study area
- Ground water monitoring locations

**BGS Superficial Geology (50k)**

- Alluvium - Clay, silt, sand and gravel
- River Terrace Deposits, 1 - Sand and gravel
- Lowestoft Formation - Diamicton
- Happisburgh Glacigenic Formation And Lowestoft Formation (Undifferentiated) - Sand and gravel
- Sheringham Cliffs Formation - Sand and gravel
- Leet Hill Sand And Gravel Member - Sand and gravel

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FIGURE 13.8 - GROUND INVESTIGATION BOREHOLES TR010037/APP/6.2

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