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Checked By: RD	Date: 06/12/2021

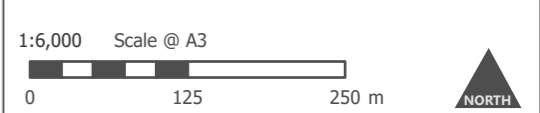
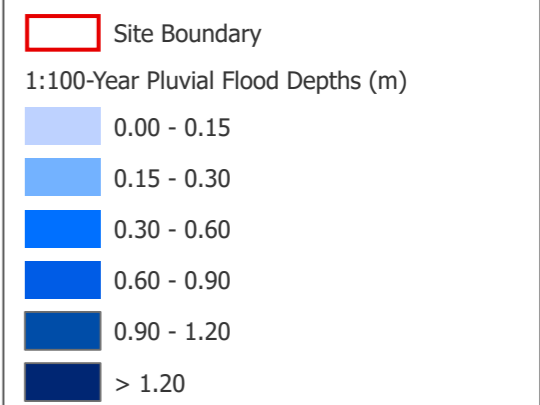
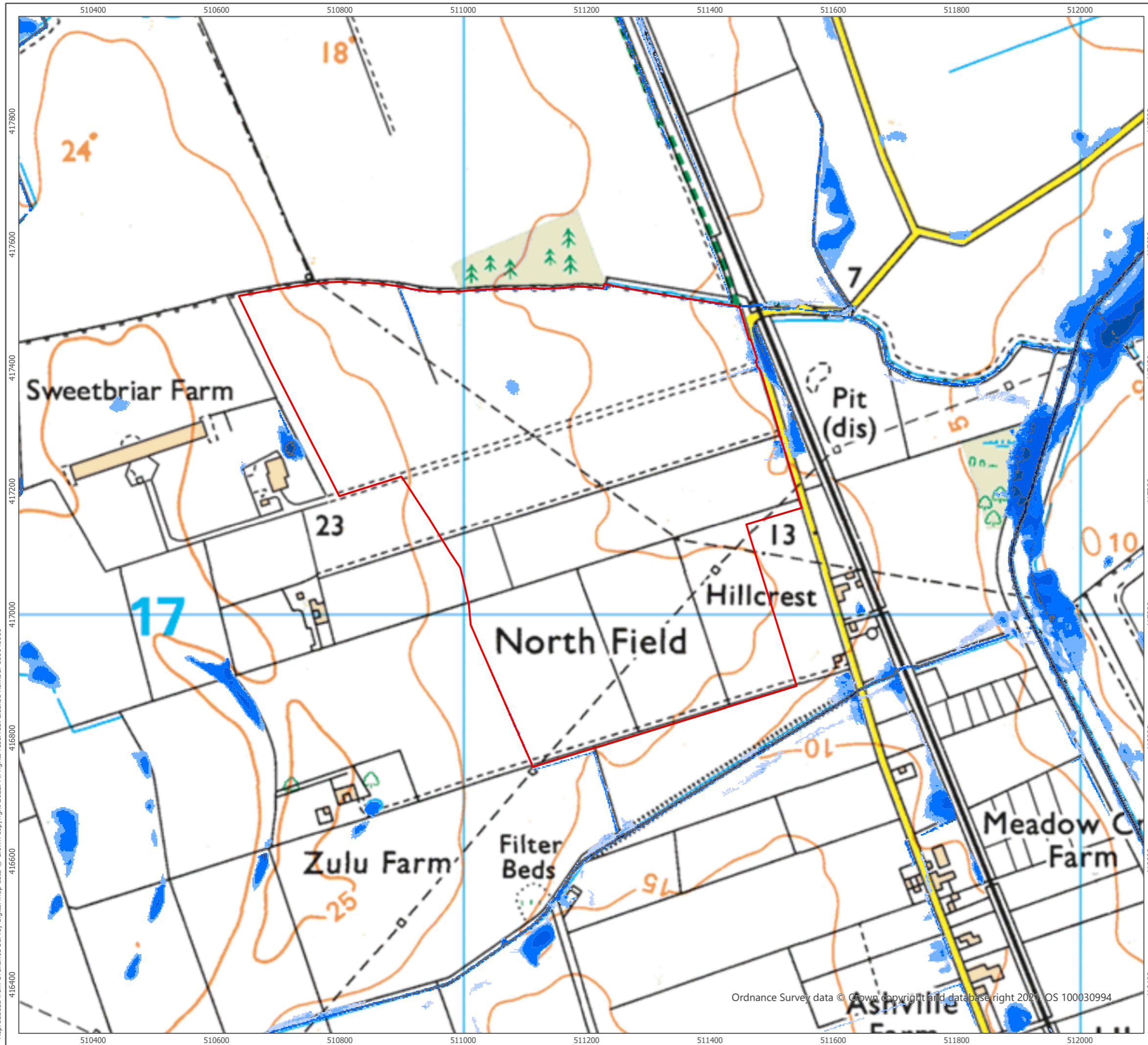
1:1000-Year Surface Water Depths

**Sweetbriar Solar Farm
Flood Risk Assessment**

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APPENDIX D – 1:100-YEAR PLUVIAL FLOOD DEPTHS



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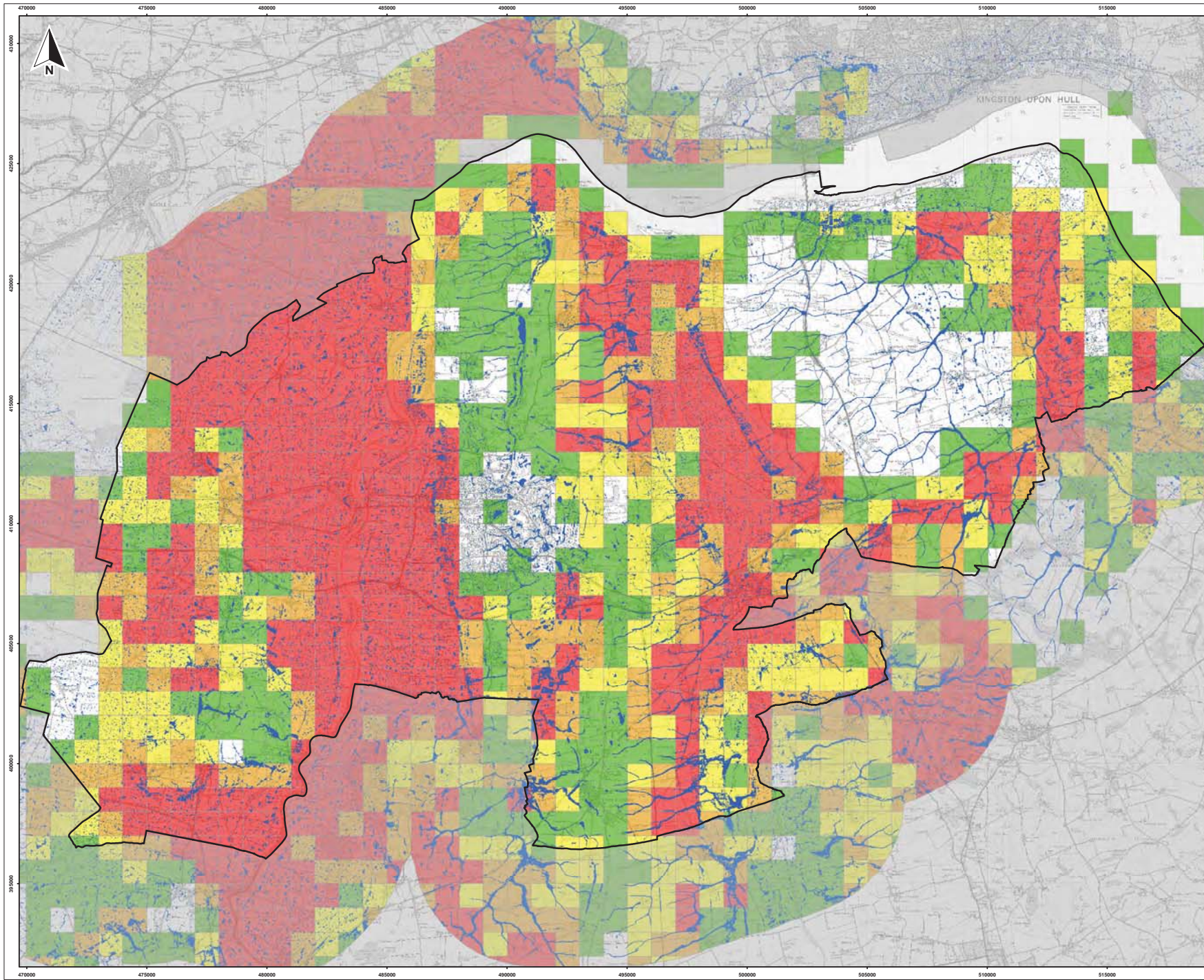
1:100-Year Pluvial Depths

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**APPENDIX E – NORTH LINCOLNSHIRE GROUNDWATER SUSCEPTIBILITY
MAP**



Key:

— North Lincolnshire Boundary

Area Classification (proportion of each 1km square that is susceptible to groundwater flood emergence)

- < 25%
- ≥ 25% < 50%
- ≥ 50% < 75%
- ≥ 75%

Areas Potentially vulnerable from Groundwater Flooding based on local topographic depressions identified by the FMSW 0.5% AEP (1 in 200 year) extent

Notes:
 Environment Agency Guidance on Areas Susceptible to Groundwater Flooding states that, the use of this single predictive groundwater data set is likely to be sufficient for PFRA where no local information exists, as the majority of local flood risk will come from surface water flooding. Unless an area identified as 'susceptible to groundwater flooding' is also identified as 'at risk from surface water flooding', it is unlikely that this location would actually experience groundwater flooding to any appreciable depth and therefore it is also unlikely that the consequences of such flooding would be significant.

In the PFRS Groundwater flood risk has been based on the Environment Agency's Surface Water flood map. This highlights the main low points in topography, where groundwater would most likely emerge.

Data Disclaimer:
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North Lincolnshire PFRA

Figure 2.6
 Groundwater Flooding Susceptibility

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