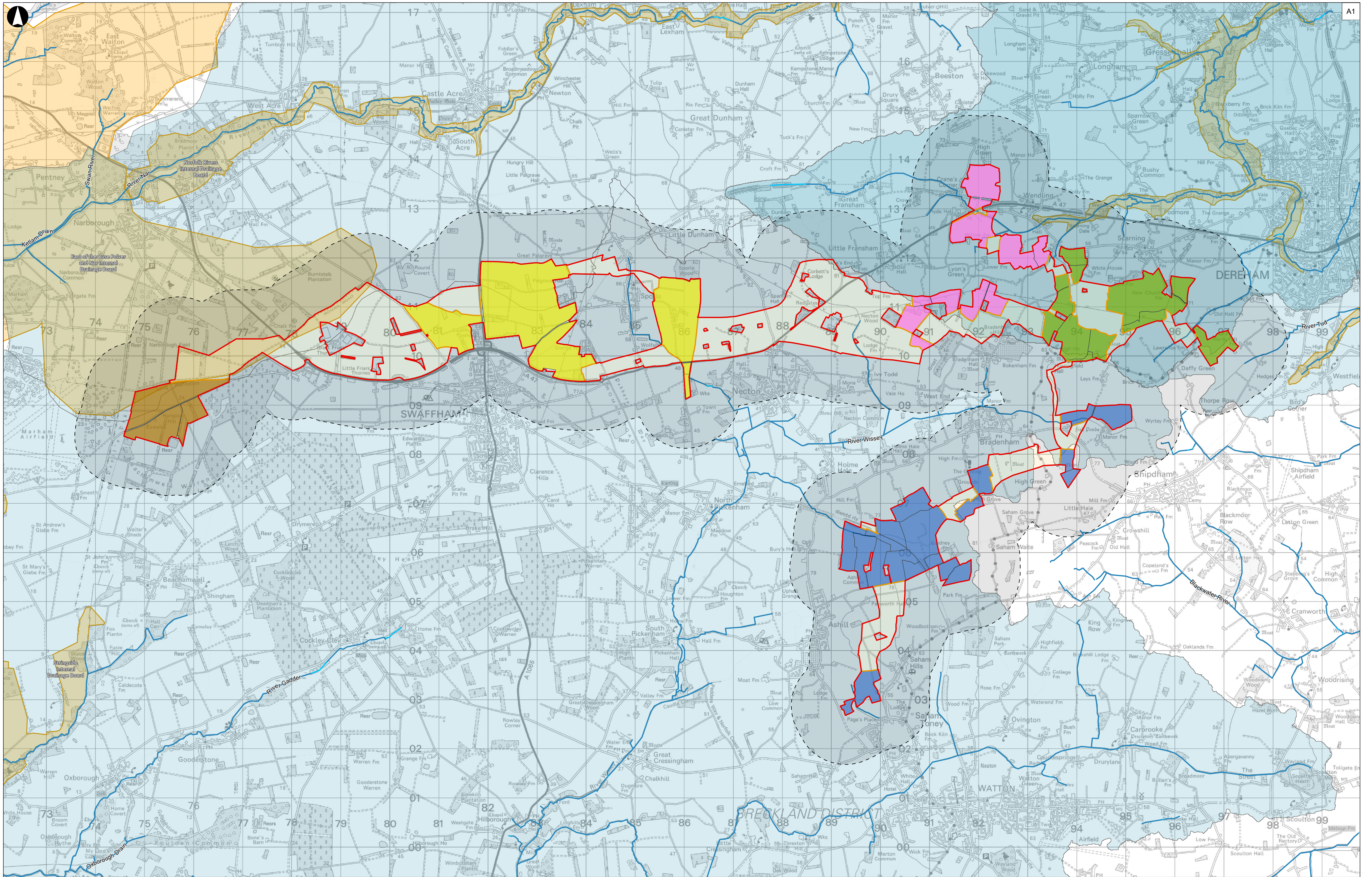




High Grove Solar Environmental Impact Assessment Scoping Report Figures Part 4

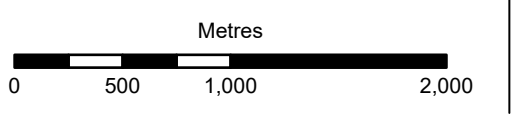
September 2024



Legend

- draft Order Limits
- draft Order Limits 1km Buffer
- Cable Corridors
- Panel Areas
- Central
- Eastern
- Northern
- Southern
- Western

- Watercourses
- Inland River
- Lake
- Internal Drainage Board (IDB) Catchments
- Drinking Water Safeguard Zones (Surface Water)



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Client

Project Name
High Grove Solar

Drawing Title
Figure 19.1 Surface Water Features

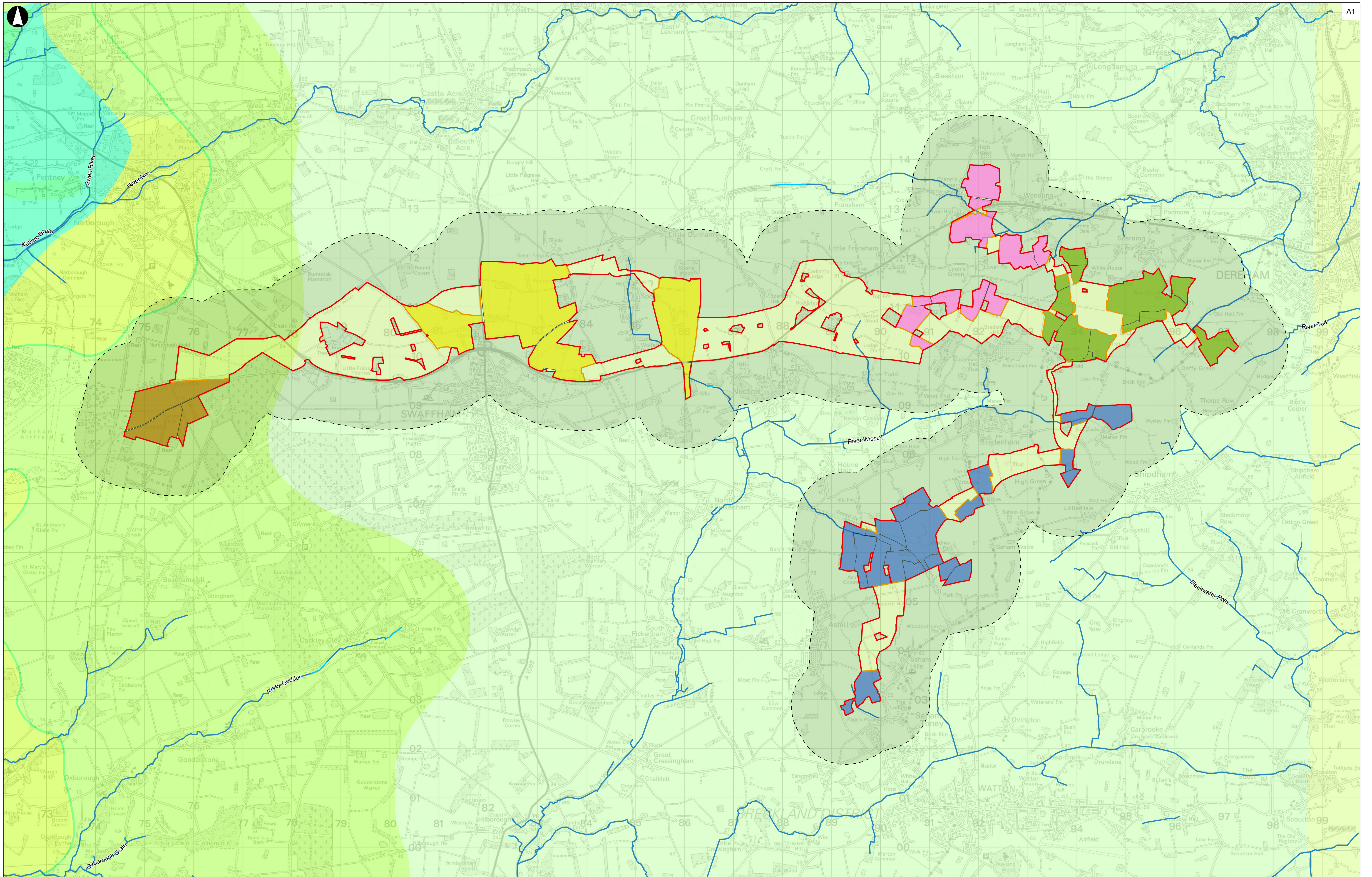
Scale at A1
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Role
Scoping Report

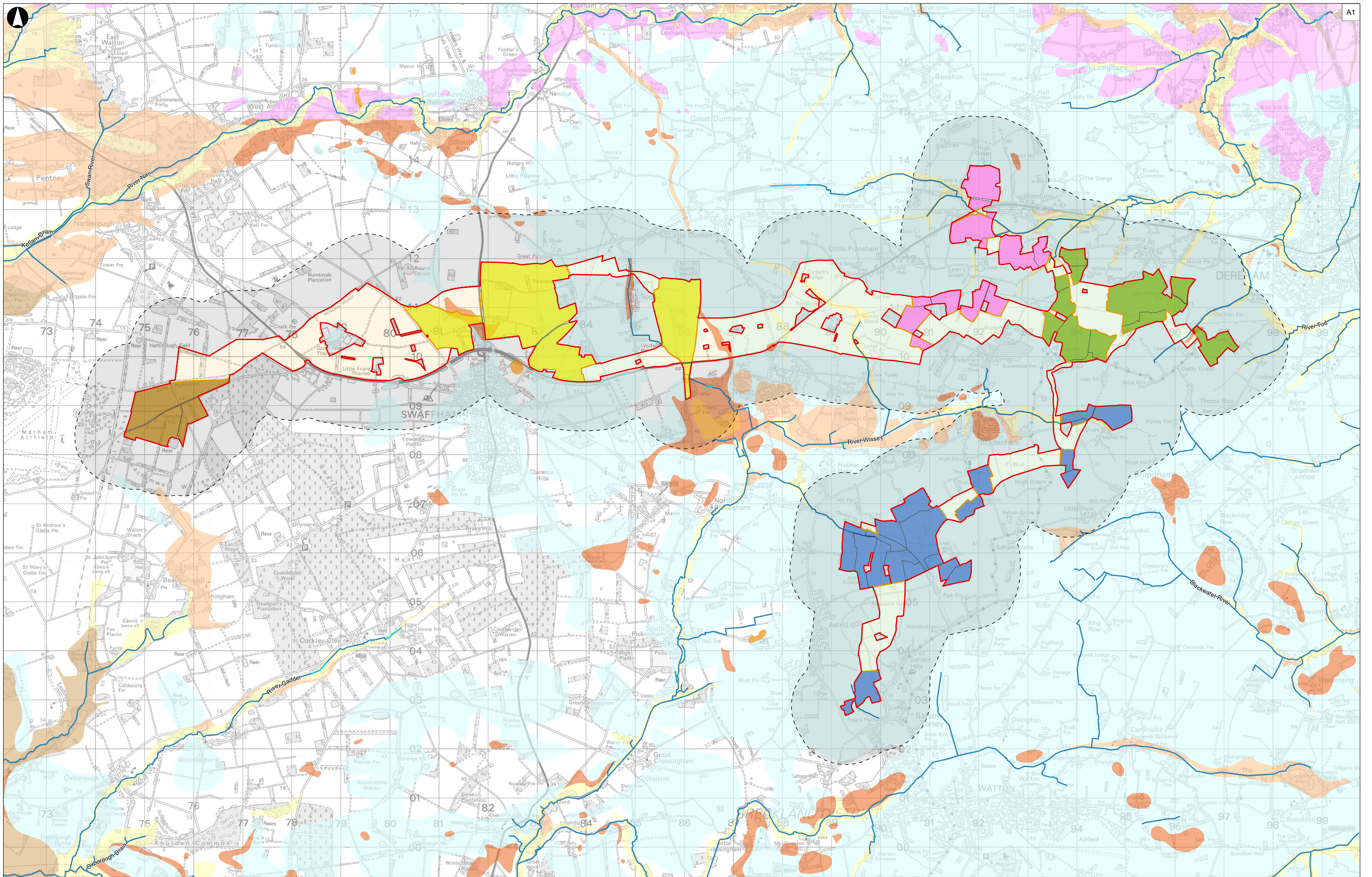
Issue
 Project Number
300883-00

Drawing Name
HGS-SR19-00001

Rev
P01



<p>Legend</p> <ul style="list-style-type: none"> draft Order Limits draft Order Limits 1km Buffer Cable Corridors <p>Panel Areas</p> <ul style="list-style-type: none"> Central Eastern Northern Southern Western 	<p>Watercourses</p> <ul style="list-style-type: none"> — Inland River — Lake <p>Bedrock Geology</p> <ul style="list-style-type: none"> Carstone Formation Gault Formation Holywell Nodular Chalk Formation And New Pit Chalk Formation (Undifferentiated) 	<p> Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation And Culver Chalk Formation (Undifferentiated)</p> <p> Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown Chalk Formation (Undifferentiated)</p>	<p> Melbourn Rock Member</p> <p> West Melbury Marly Chalk Formation</p> <p> West Melbury Marly Chalk Formation And Zig Zag Chalk Formation (Undifferentiated)</p>	<p>Coordinate System: British National Grid</p> <p>© Crown copyright and database rights 2024 Ordnance Survey 100031673 Licence No. 20219/0304/064834 British Geological Survey © NERC. All rights reserved.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>P01</td> <td>04/09/2024</td> <td>JEP</td> <td>TG</td> <td>HJ</td> <td>CS</td> </tr> <tr> <td>Rev</td> <td>Date</td> <td>By</td> <td>Chkd</td> <td>Appd</td> <td>Authd</td> </tr> </table> <p style="text-align: center;">Metres</p> <p style="text-align: center;">0 500 1,000 2,000</p>	P01	04/09/2024	JEP	TG	HJ	CS	Rev	Date	By	Chkd	Appd	Authd	<p>Client</p> <p style="font-size: 24px; font-weight: bold; text-align: center;">RWE</p>	<p>Project Name</p> <p style="font-weight: bold;">High Grove Solar</p>	<p>Drawing Title</p> <p style="font-weight: bold;">Figure 19.2 Bedrock Geology</p>	<p>Scale at A1</p> <p style="font-weight: bold;">1:35,000</p> <p>Role</p> <p style="font-weight: bold;">Scoping Report</p> <p>Suitability</p> <p style="font-weight: bold;">Issue</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Project Number</td> <td>Rev</td> </tr> <tr> <td style="font-weight: bold;">300883-00</td> <td style="font-weight: bold;">P01</td> </tr> <tr> <td>Drawing Name</td> <td></td> </tr> <tr> <td style="font-weight: bold;">HGS-SR19-00002</td> <td></td> </tr> </table>	Project Number	Rev	300883-00	P01	Drawing Name		HGS-SR19-00002	
P01	04/09/2024	JEP	TG	HJ	CS																							
Rev	Date	By	Chkd	Appd	Authd																							
Project Number	Rev																											
300883-00	P01																											
Drawing Name																												
HGS-SR19-00002																												



Legend

draft Order Limits

- Red outline: draft Order Limits
- Dashed line: draft Order Limits 1km Buffer
- Yellow line: Cable Corridors

Panel Areas

- Green: Central
- Yellow: Eastern
- Pink: Northern
- Blue: Southern
- Brown: Western

Watercourses

- Blue line: Inland River
- Light blue line: Lake

Superficial Geology

- Light yellow: ALLUVIUM - CLAY, SILT, SAND AND GRAVEL
- Yellow: ALLUVIUM - SILT AND CLAY
- Pink: BRITON'S LANE SAND AND GRAVEL MEMBER - SAND AND GRAVEL
- Light pink: GLACIOFLUVIAL DEPOSITS - SAND AND GRAVEL
- Light blue: HEAD - CLAY, SILT, SAND AND GRAVEL
- Light blue: LOWESTOFT FORMATION - DIAMICTON
- Orange: LOWESTOFT FORMATION - CLAY AND SILT
- Light orange: LOWESTOFT FORMATION - SAND AND GRAVEL
- Light orange: NAR VALLEY FORMATION - CLAY AND SILT
- Light orange: PEAT - PEAT
- Light orange: RIVER TERRACE DEPOSITS, 1 - SAND AND GRAVEL
- Light orange: RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - SAND AND GRAVEL
- Light orange: SHERINGHAM CLIFFS FORMATION - SAND
- Light orange: SHERINGHAM CLIFFS FORMATION - SAND AND GRAVEL
- Light orange: WEYBOURNE TOWN TILL MEMBER - DIAMICTON

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Client

RWE

Project Name

High Grove Solar

Drawing Title

Figure 19.3 Superficial Geology

Scale at A1

1:35,000

Role

Scoping Report

Suitability

Issue

Project Number

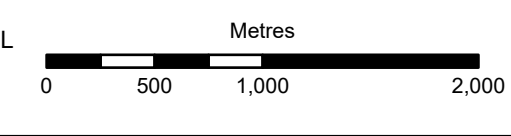
300883-00

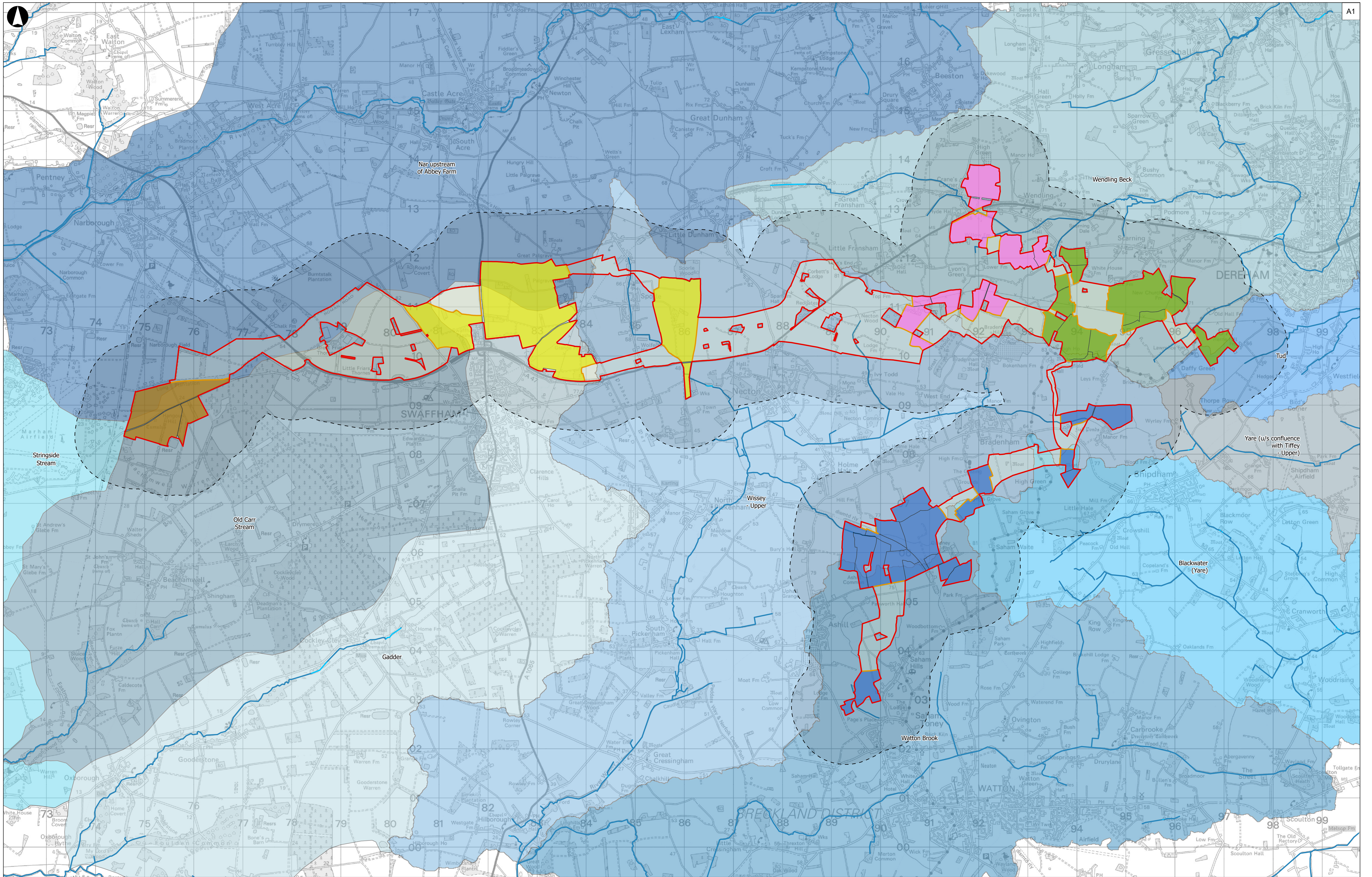
Drawing Name

HGS-SR19-00003

Rev

P01





Legend

- draft Order Limits
- draft Order Limits 1km Buffer
- Cable Corridors
- Panel Areas
- Central
- Eastern
- Northern
- Southern
- Western

Watercourses

- Inland River
- Lake
- WFD Surface Water River Catchments
- Blackwater (Yare)
- Gadder
- Nar upstream of Abbey Farm
- Old Carr Stream
- Stringsides Stream

Panel Areas

- Tud
- Watton Brook
- Wendling Beck
- Wissey - Upper
- Yare (u/s confluence with Tiffy - Upper)

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Scale at A1: **1:35,000**

Role: **Scoping Report**

Project Number: **300883-00**

Drawing Name: **HGS-SR19-00004**

Scale at A1: **1:35,000**

Role: **Scoping Report**

Project Number: **300883-00**

Drawing Name: **HGS-SR19-00004**

Scale at A1: **1:35,000**

Role: **Scoping Report**

Project Number: **300883-00**

Drawing Name: **HGS-SR19-00004**

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P01	04/09/2024	JEP	TG	HJ	CS

Client: **RWE**

Project Name: **High Grove Solar**

Drawing Title: **Figure 19.4 WER/WFD Surface Water Bodies**

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P01	04/09/2024	JEP	TG	HJ	CS

Scale at A1: **1:35,000**

Role: **Scoping Report**

Project Number: **300883-00**

Drawing Name: **HGS-SR19-00004**

Scale at A1: **1:35,000**

Role: **Scoping Report**

Project Number: **300883-00**

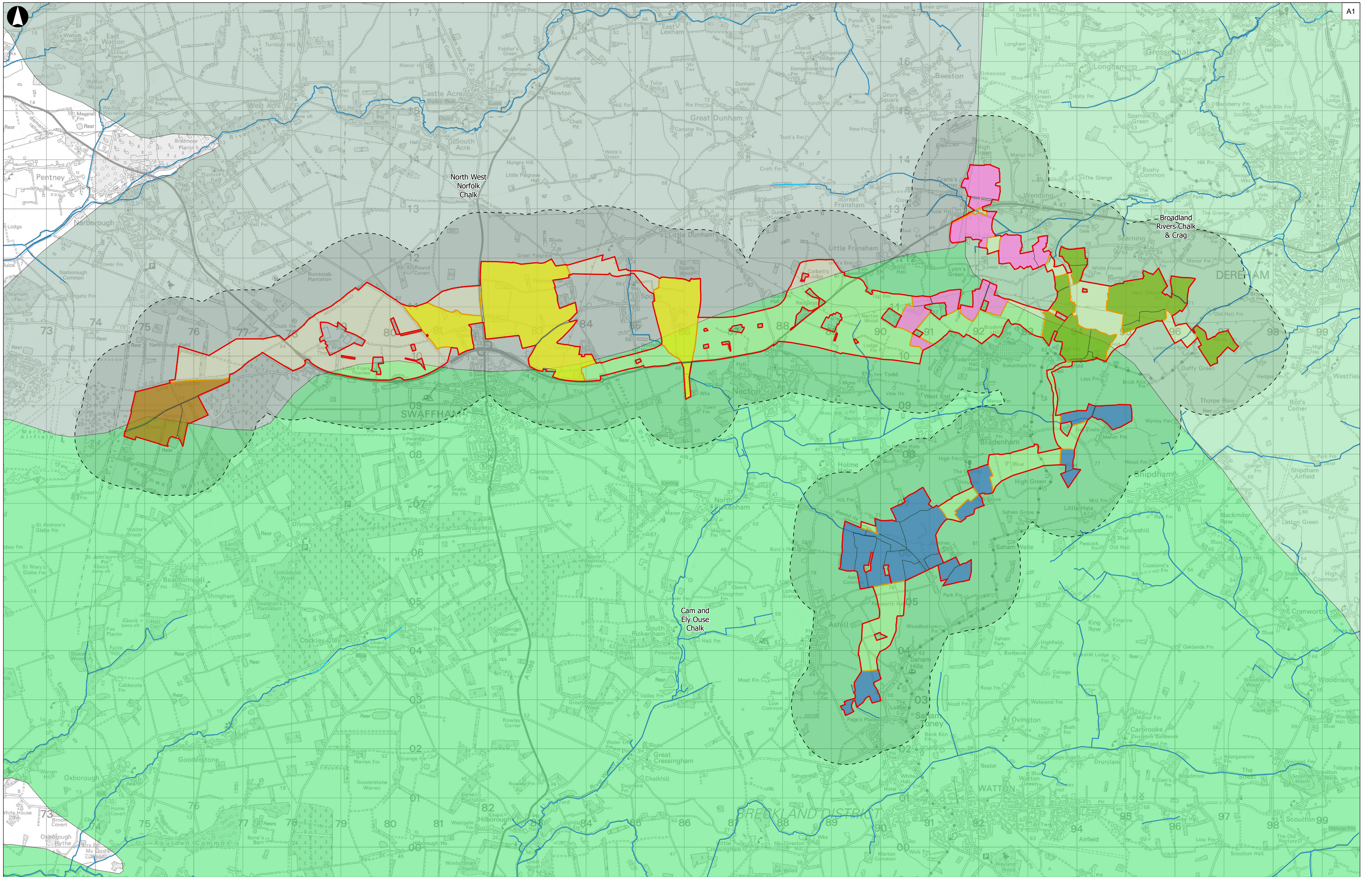
Drawing Name: **HGS-SR19-00004**

Scale at A1: **1:35,000**

Role: **Scoping Report**

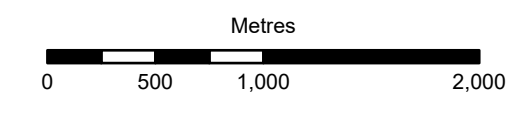
Project Number: **300883-00**

Drawing Name: **HGS-SR19-00004**



Legend

- draft Order Limits
- draft Order Limits 1km Buffer
- Cable Corridors
- Panel Areas
 - Central
 - Eastern
 - Northern
 - Southern
 - Western
- Watercourses
 - Inland River
 - Lake
- WFD Ground Water Bodies
 - Broadland Rivers Chalk & Crag
 - Cam and Ely Ouse Chalk
 - North West Norfolk Chalk



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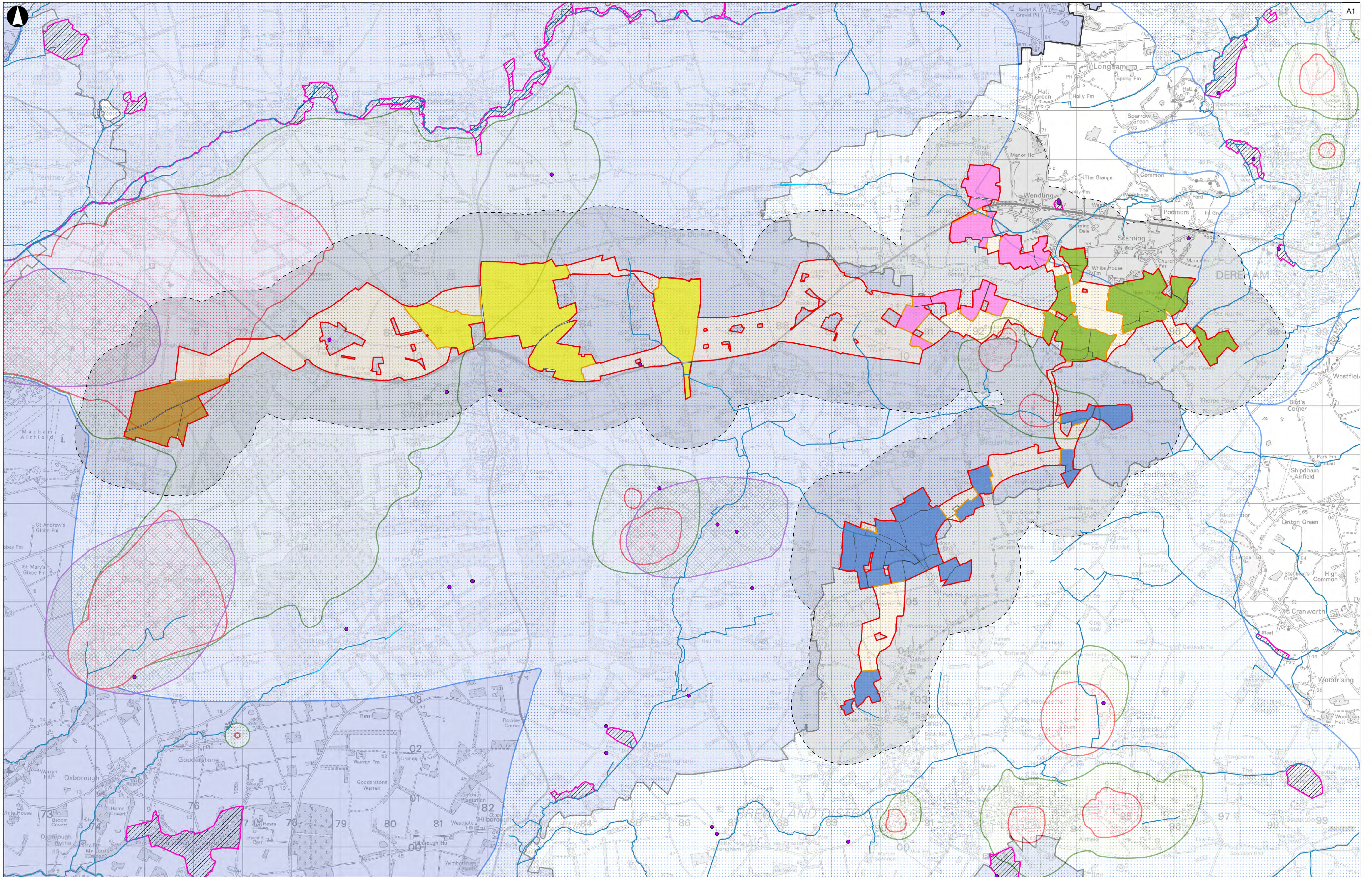


Project Name
High Grove Solar

Drawing Title
**Figure 19.5 WER/WFD
 Groundwater Bodies**

Scale at A1
1:35,000
 Role
Scoping Report
 Suitability
Issue
 Project Number
300883-00
 Drawing Name
HGS-SR19-00005

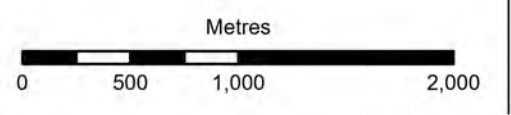
Rev	P01
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- Legend**
- draft Order Limits
 - draft Order Limits 1km Buffer
 - Cable Corridors
 - Panel Areas**
 - Central
 - Eastern
 - Northern
 - Southern
 - Western

- Watercourses
- inland River
- lake
- Source Protection Zone**
- Zone I - Inner Protection Zone
- Zone II - Outer Protection Zone
- Zone III - Total Catchment
- Groundwater Monitoring Boreholes

- Groundwater Drinking Water Safeguard Zones
- Groundwater Dependent Terrestrial Ecosystems (GWDTEs)
- Groundwater Nitrate Vulnerable Zones (NVZs)



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Project Name
High Grove Solar

Drawing Title
Figure 19.6 Groundwater Designations

Scale at A1
1:35,000

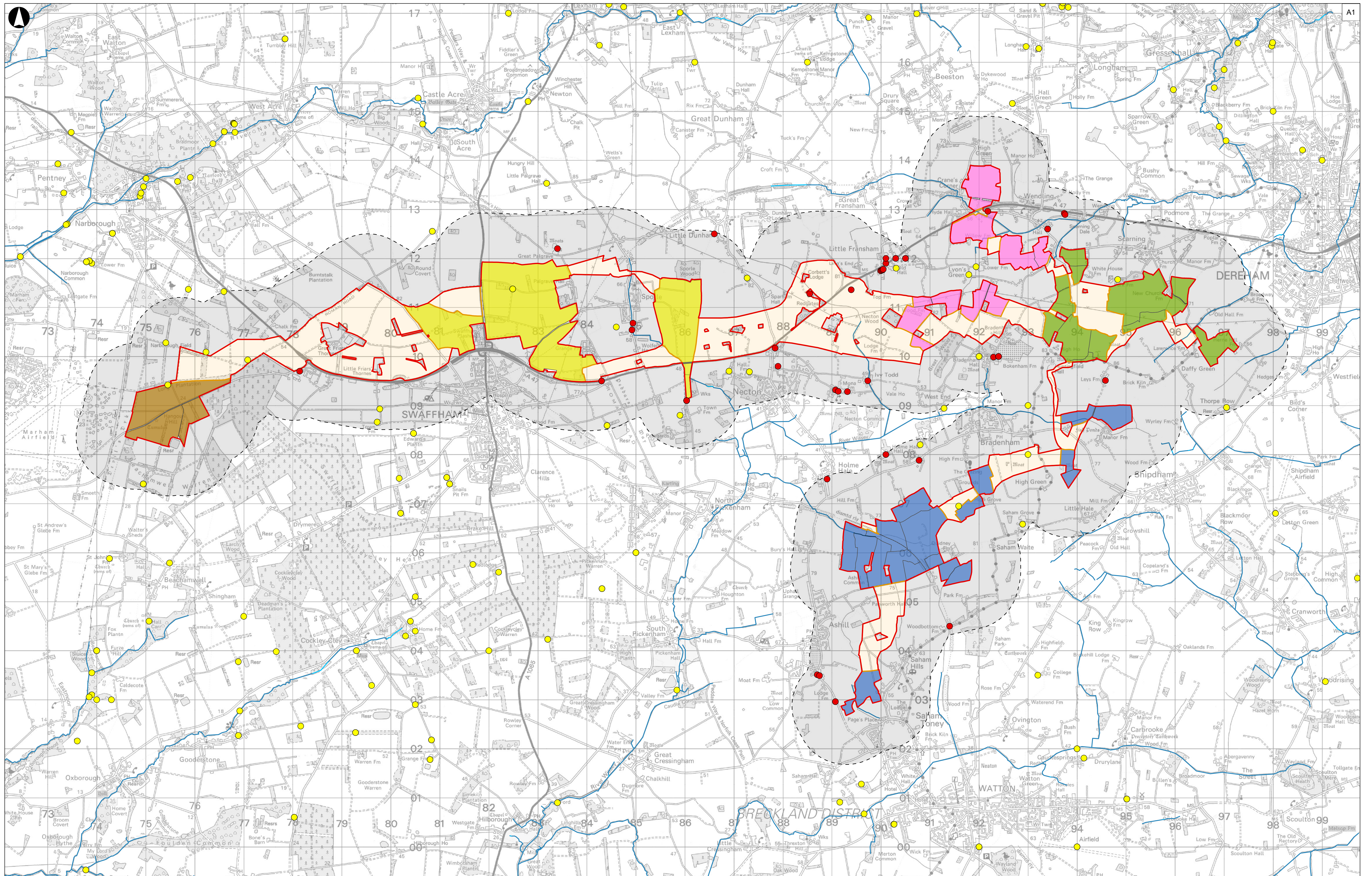
Role
Scoping Report

Suitability
Issue

Project Number
300883-00

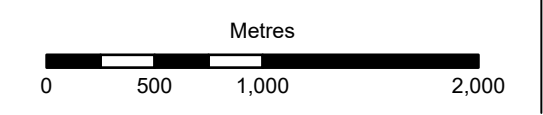
Rev
P01

Drawing Name
HGS-SR19-00006



Legend

- draft Order Limits
- draft Order Limits 1km Buffer
- Cable Corridors
- Panel Areas
 - Central
 - Eastern
 - Northern
 - Southern
 - Western
- Watercourses
 - Inland River
 - Lake
- Discharges within 1km of the draft Order Limits
- Abstractions



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Client

Project Name
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Drawing Title
Figure 19.7 Licenced abstractions and discharges

Scale at A1
1:35,000

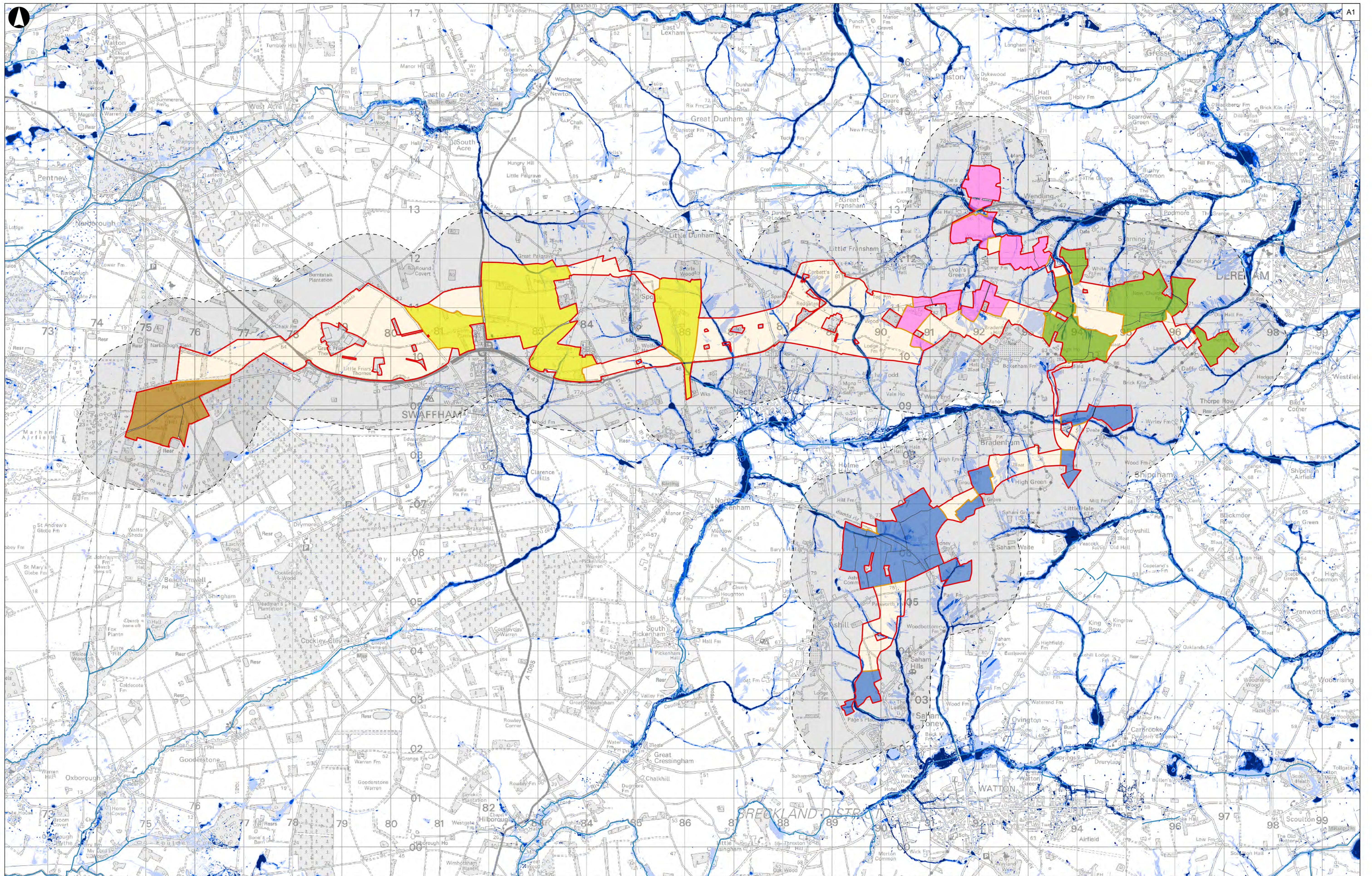
Role
Scoping Report

Issue
 Suitability
Issue

Project Number
300883-00

Drawing Name
HGS-SR19-00008

Rev
P01



Legend

- draft Order Limits
- draft Order Limits 1km Buffer
- Cable Corridors
- Panel Areas**
- Central
- Eastern
- Northern
- Southern
- Western

Watercourses

- inland River
- lake

Extent of flooding from surface water

- High (1in30)
- Medium (1in100)
- Low (1in1000)

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Metres

0 500 1,000 2,000

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Client

RWE

Project Name

High Grove Solar

Drawing Title

Figure 19.8 Risk of flooding from surface water

Scale at A1

1:35,000

Role

Scoping Report

Issue

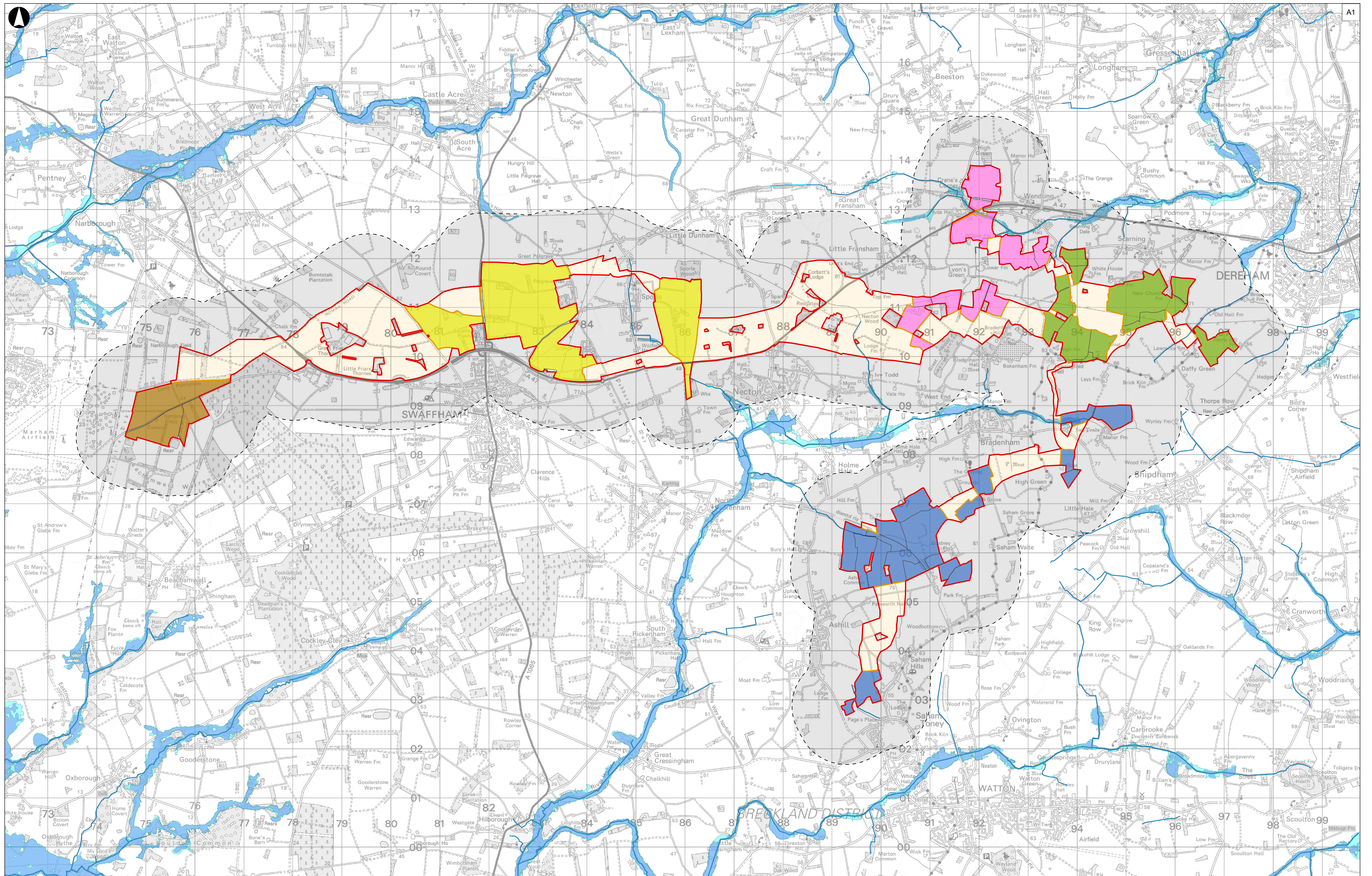
Project Number

300883-00

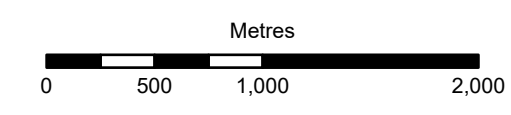
Drawing Name

HGS-SR19-00009

Rev	P01
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- Legend**
- draft Order Limits
 - draft Order Limits 1km Buffer
 - Cable Corridors
 - Panel Areas
 - Central
 - Eastern
 - Northern
 - Southern
 - Western
- Watercourses**
- Inland River
 - Lake
 - Rivers and Sea Flood Zone 2
 - Rivers and Sea Flood Zone 3



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Client

Project Name
High Grove Solar

Drawing Title
Figure 19.9 Risk of flooding from rivers and seas

Scale at A1
1:35,000

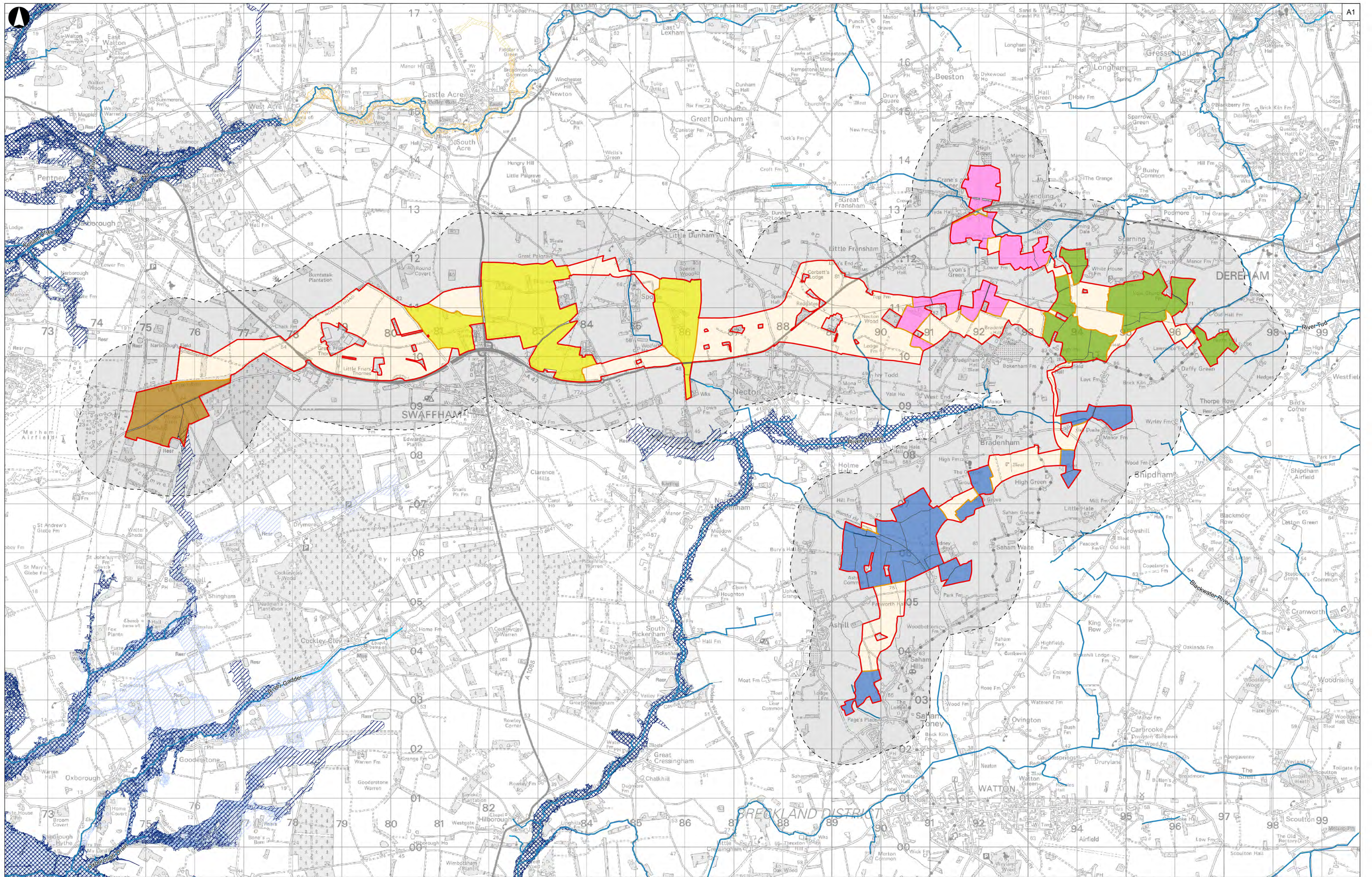
Role
Scoping Report

Issue

Project Number
300883-00

Drawing Name
HGS-SR19-00010

Rev
P01



Legend

- draft Order Limits
- draft Order Limits 1km Buffer
- Cable Corridors
- Panel Areas: Central
- Panel Areas: Eastern
- Panel Areas: Northern
- Panel Areas: Southern
- Panel Areas: Western

Watercourses

- inland River
- lake
- Reservoir Flood Extents
- Fluvial Contribution
- High-risk
- Not high-risk
- Not yet determined

Wet Day

- High-risk
- Not high-risk
- Not yet determined

Coordinates System: British National Grid

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Metres

0 500 1,000 2,000

Client

RWE

Project Name

High Grove Solar

Drawing Title

Figure 19.10 Risk of Flooding from Reservoirs

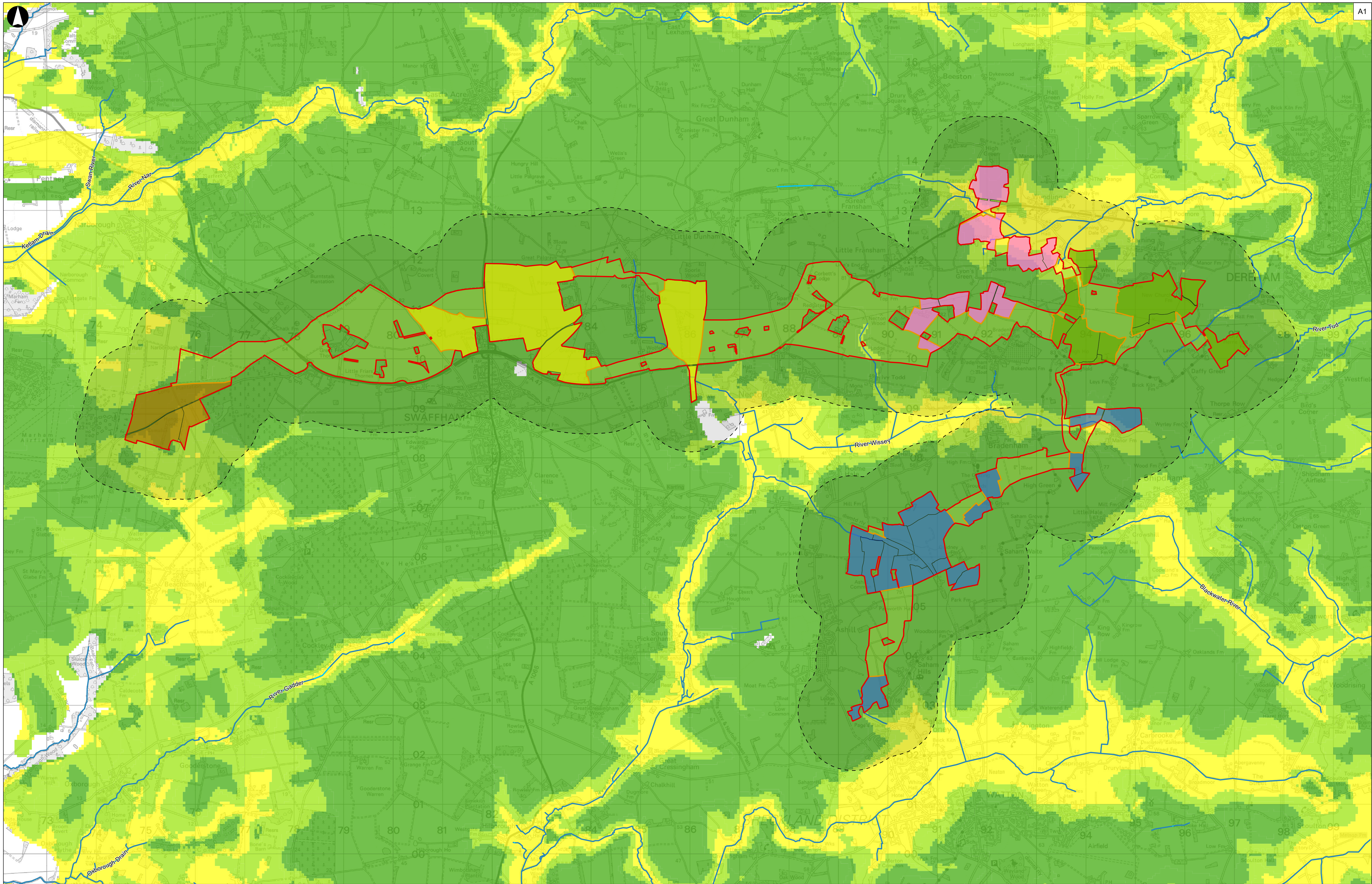
Scale at A1
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Role
Scoping Report

Issue
Project Number
300883-00

Drawing Name
HGS-SR19-00011

Rev	P01
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<p>Legend</p> <ul style="list-style-type: none"> draft Order Limits draft Order Limits 1km Buffer Cable Corridors <p>Panel Areas</p> <ul style="list-style-type: none"> Central Eastern Northern Southern Western 	<p>Watercourses</p> <ul style="list-style-type: none"> — inland River — lake <ul style="list-style-type: none"> 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 	<p>Coordinate System: British National Grid</p> <p><small>© Crown copyright and database rights 2024 Ordnance Survey 100031673. Licence No. 20213PDU/95207 British Geological Survey © NERC. All rights reserved.</small></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>P01</td> <td>04/09/2024</td> <td>JEP</td> <td>TG</td> <td>HJ</td> <td>CS</td> </tr> <tr> <td>Rev</td> <td>Date</td> <td>By</td> <td>Chkd</td> <td>Appd</td> <td>Authd</td> </tr> </table>	P01	04/09/2024	JEP	TG	HJ	CS	Rev	Date	By	Chkd	Appd	Authd	<p>Client</p> <p>RWE</p>	<p>Project Name</p> <p>High Grove Solar</p>	<p>Drawing Title</p> <p>Figure 19.11 Susceptibility to groundwater flooding</p>	<p>Scale at A1</p> <p>1:35,000</p> <p>Role</p> <p>Scoping Report</p> <p>Issue</p> <p>Project Number</p> <p>300883-00</p> <p>Drawing Name</p> <p>HGS-SR19-00012</p>
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Rev	Date	By	Chkd	Appd	Authd													

