BT-JAC-020631-550-0004-EIA

Bramford to Twinstead Reinforcement

Volume 6: Environmental Information

Document 6.5.3: Environmental Impact Assessment Scoping Report:

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Final Issue A

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Bramford to Twinstead

Scoping Report: Volume 3: Figures

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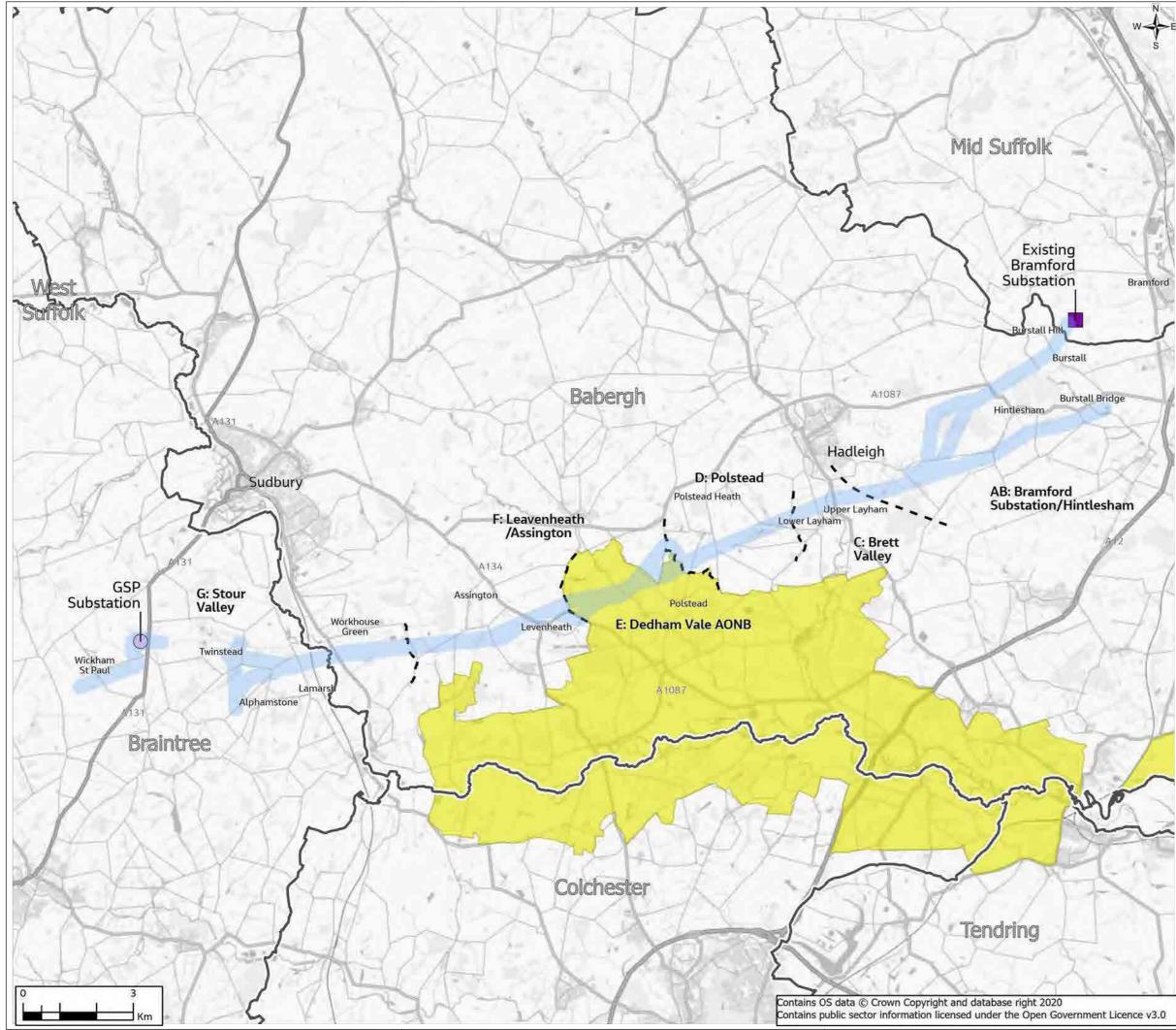
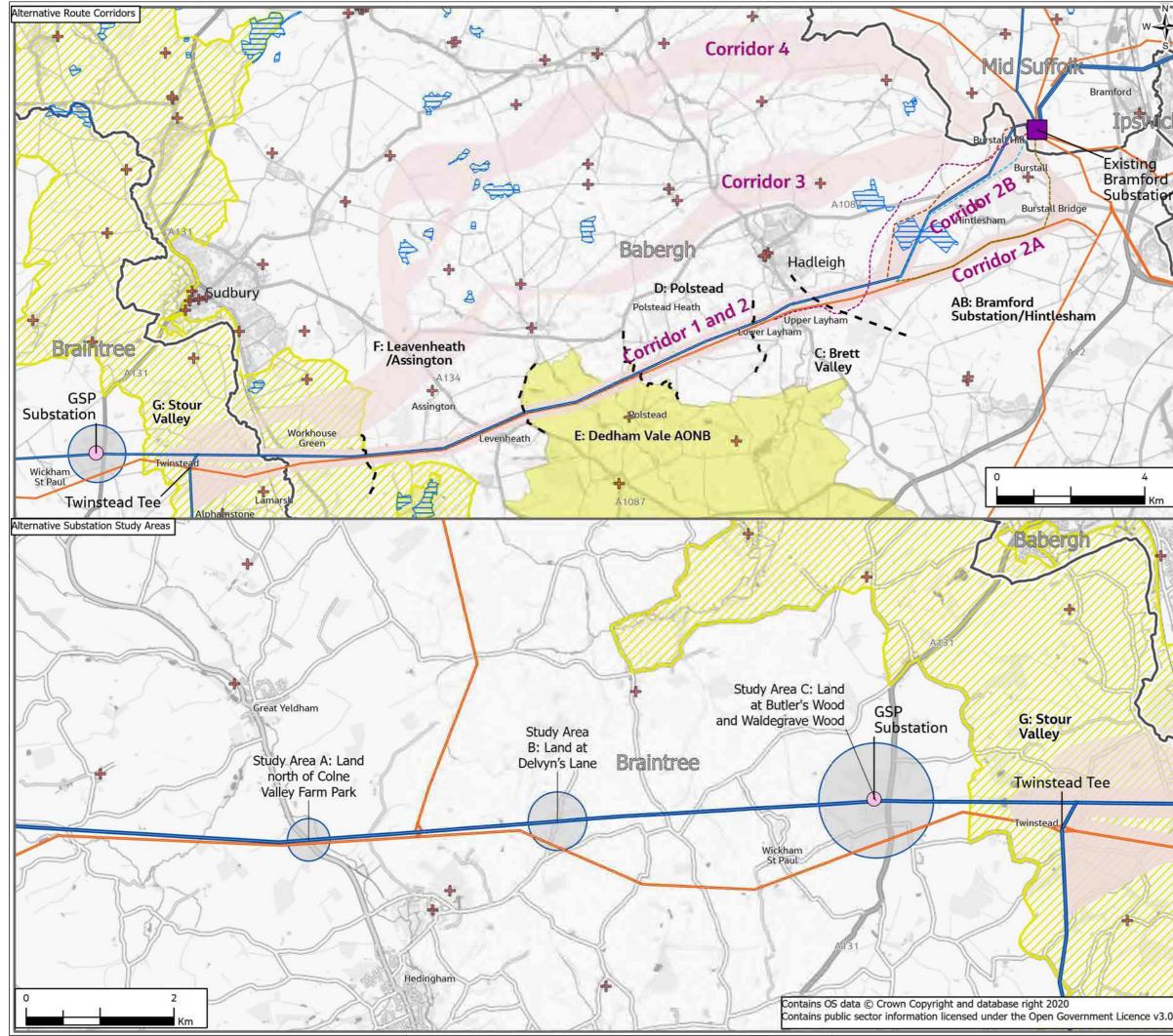


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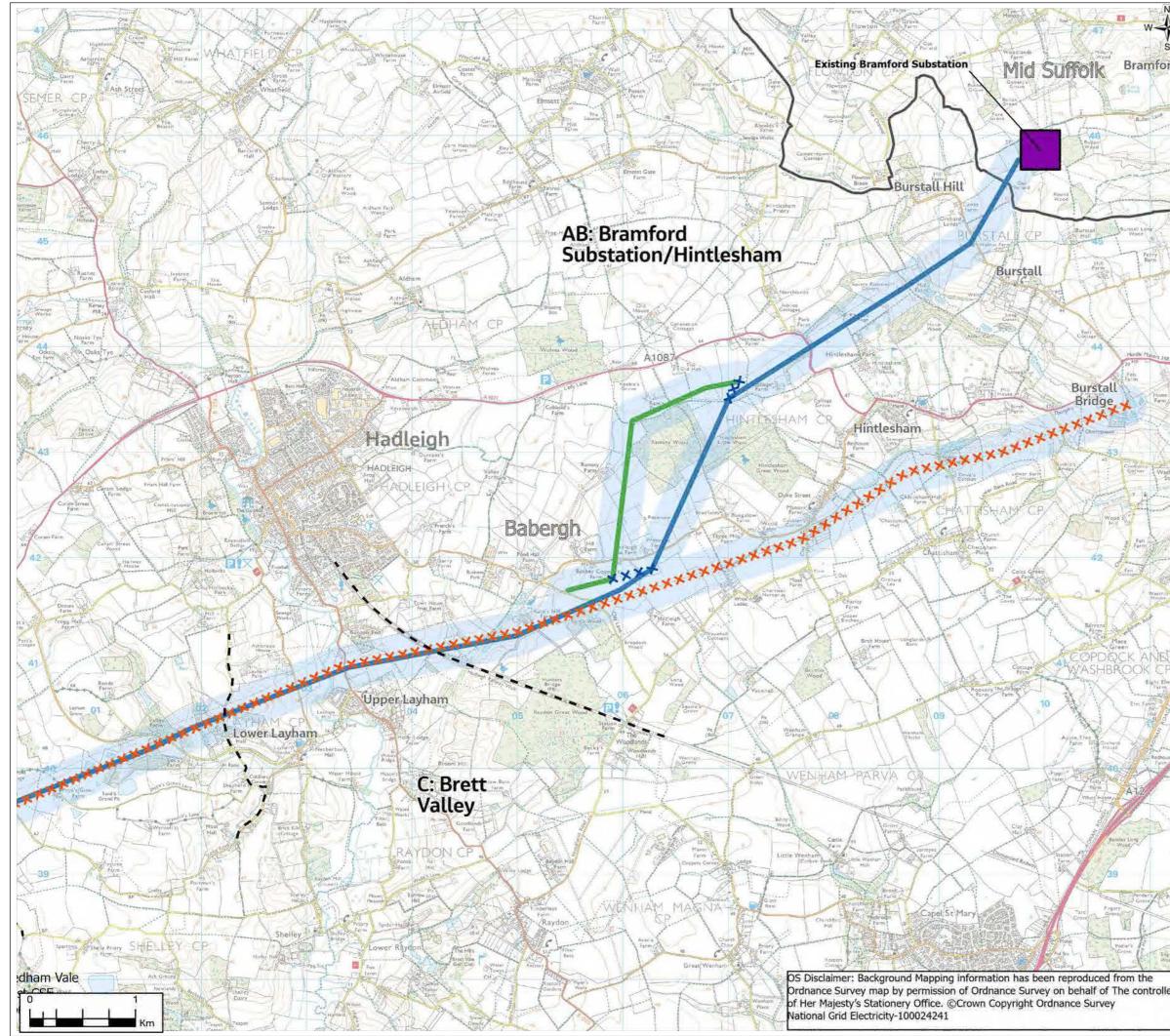
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- Section boundaries
- Scoping Boundary
- Existing Bramford Substation
- Proposed Grid Supply Point (GSP) Substation \bigcirc
- Local authority districts
 - Area of Outstanding Natural Beauty (AONB)

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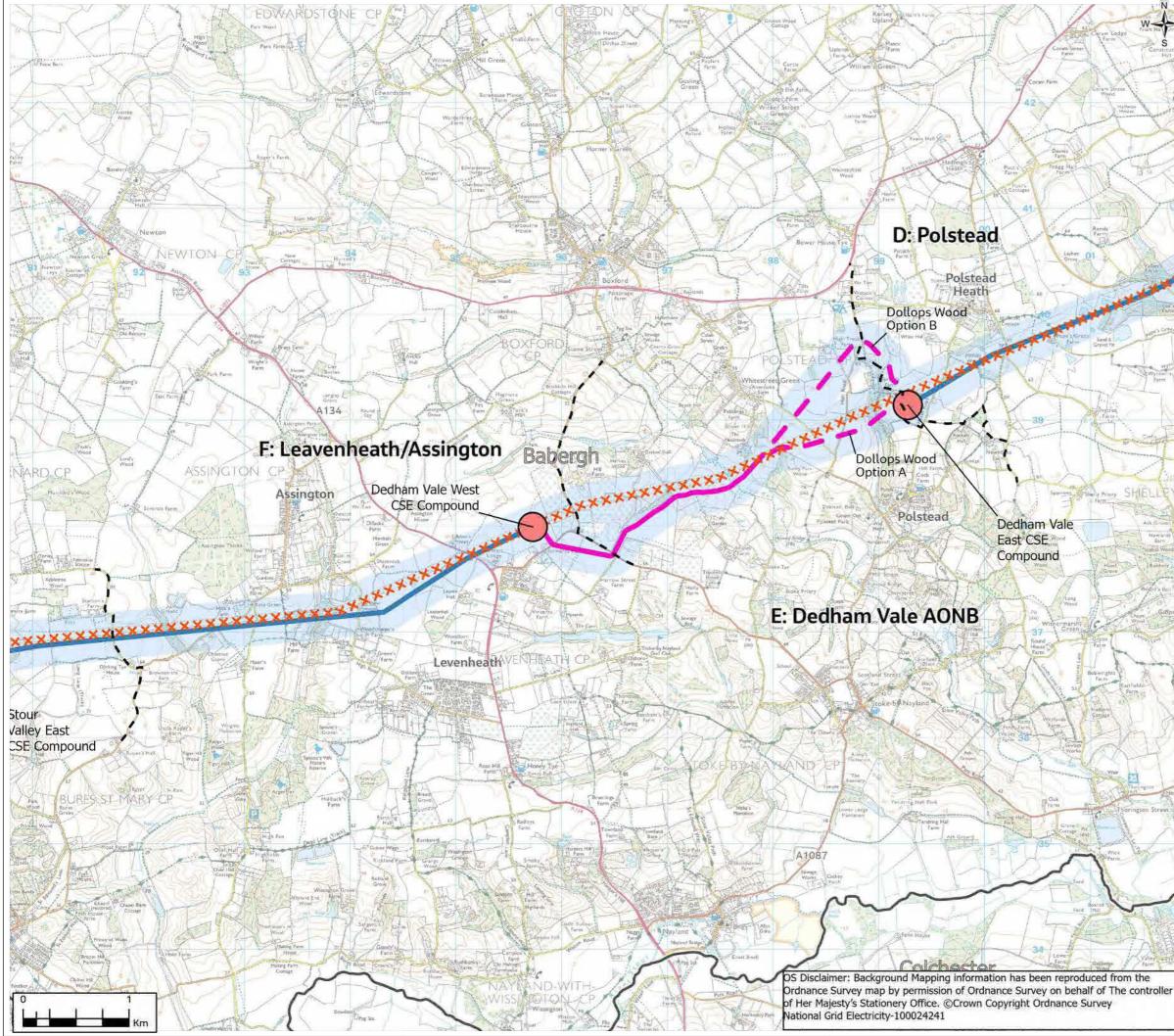


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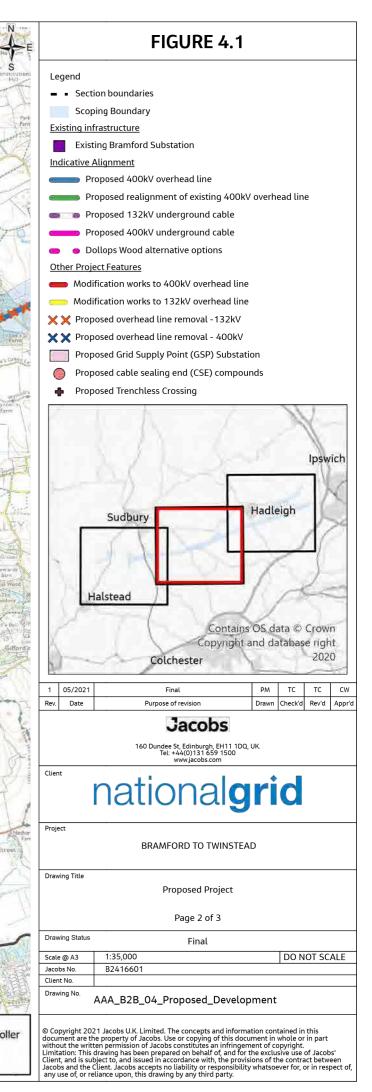


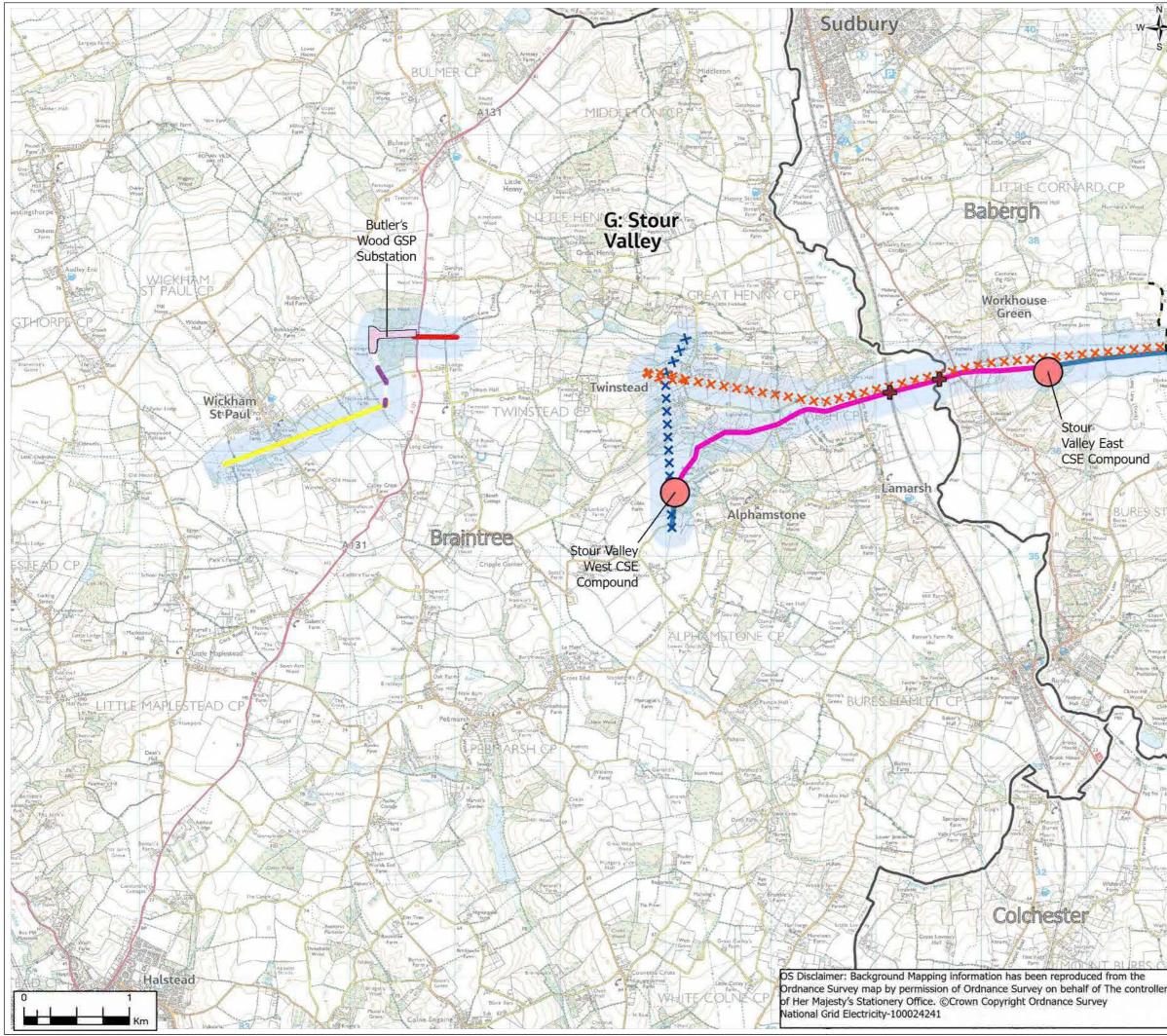
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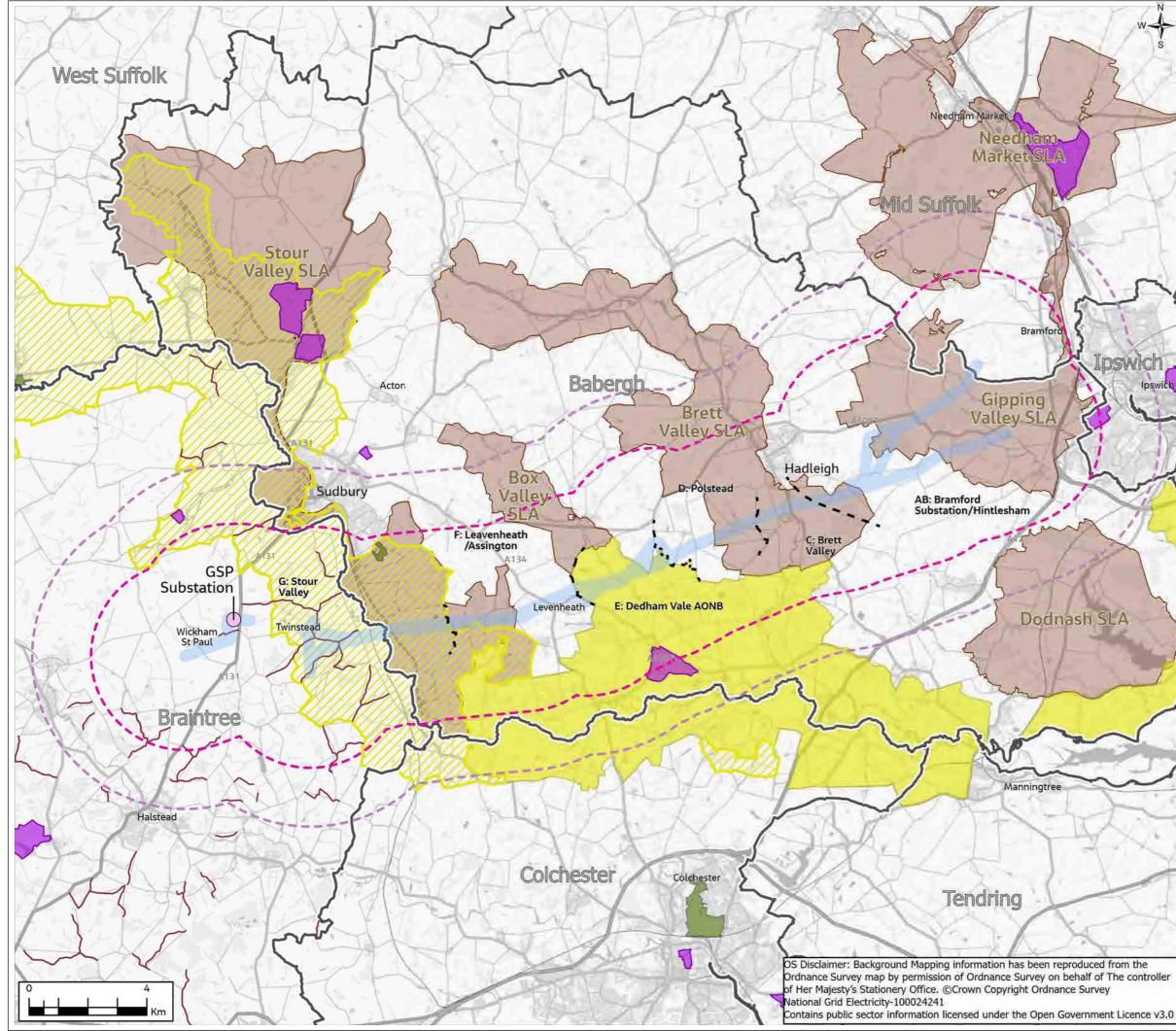
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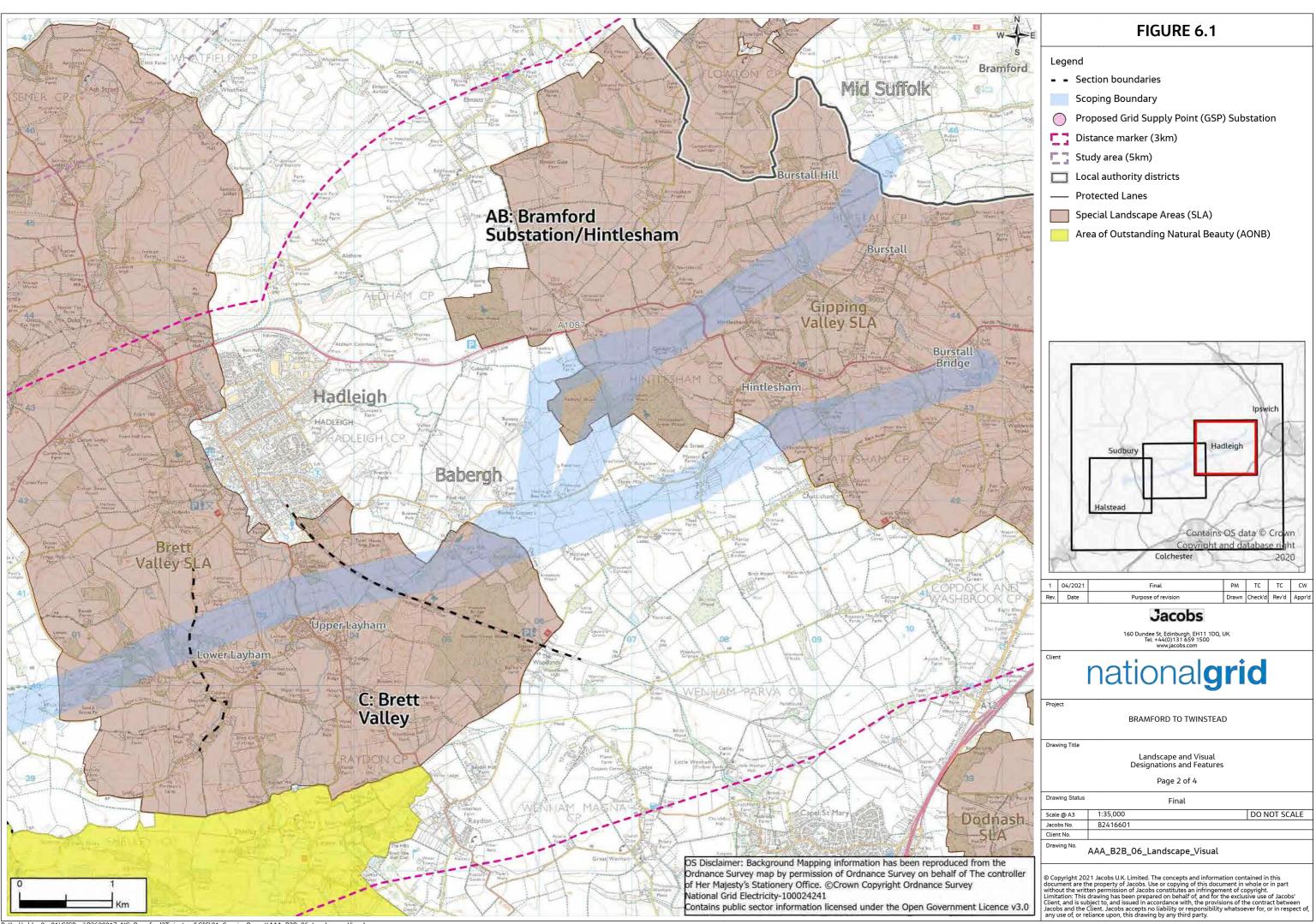
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FIGURE 6.1

Legend

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Distance marker (3km)
- **L** Study area (5km)
- Local authority districts
- Protected Lanes
- Country Parks
- 💋 Stour Valley Project Area
- Special Landscape Areas (SLA)
 - Registered Parks and Gardens
 - Area of Outstanding Natural Beauty (AONB)

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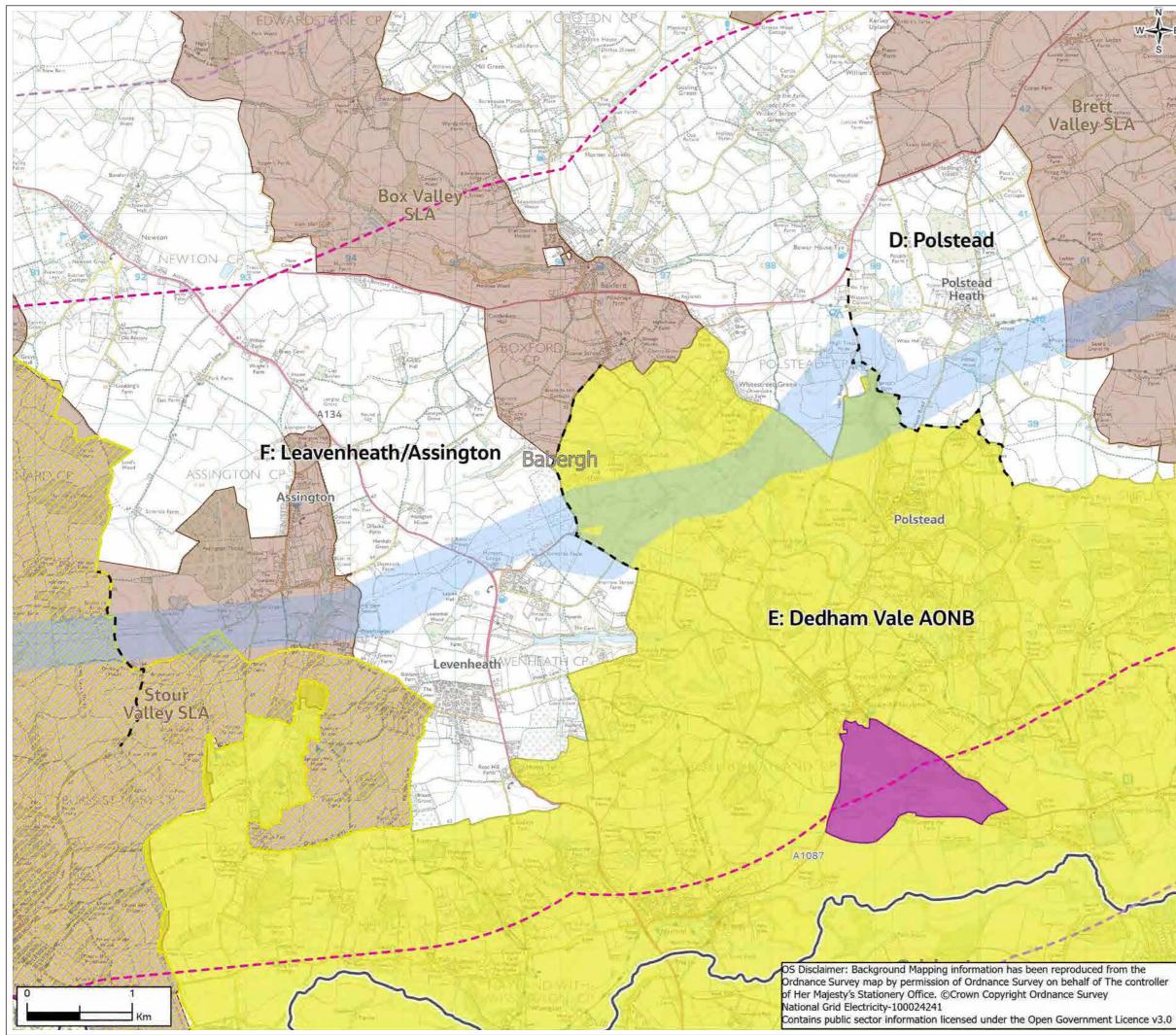
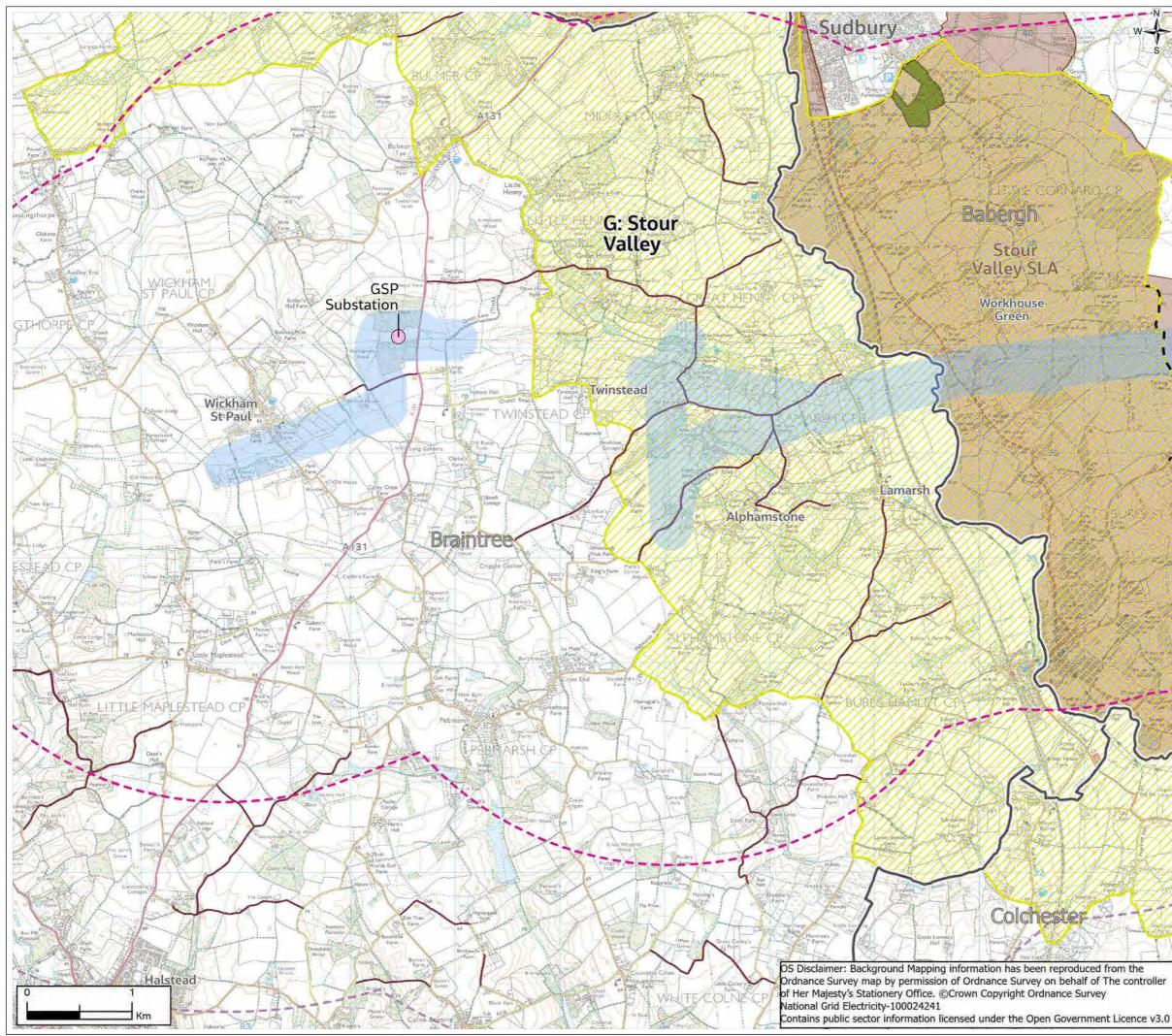


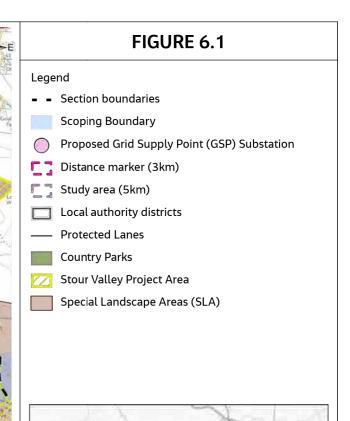
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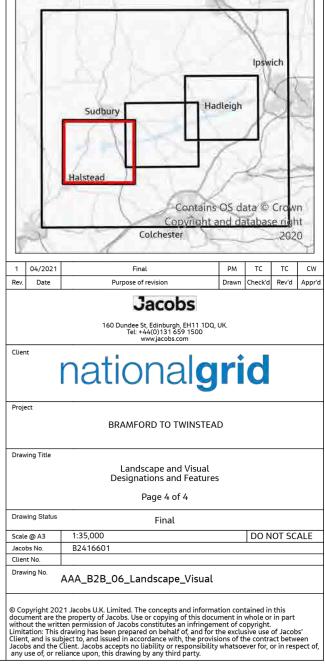
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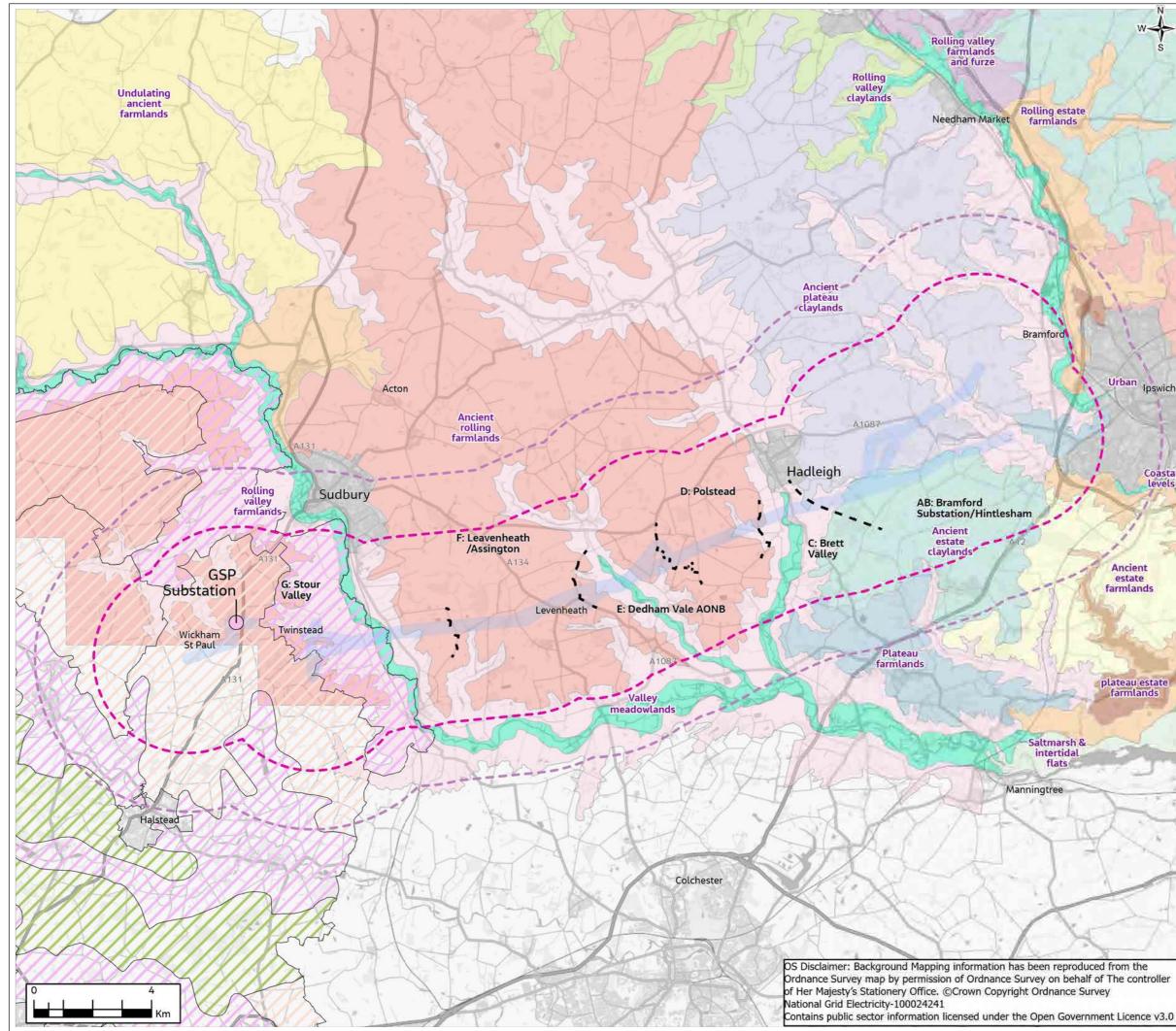
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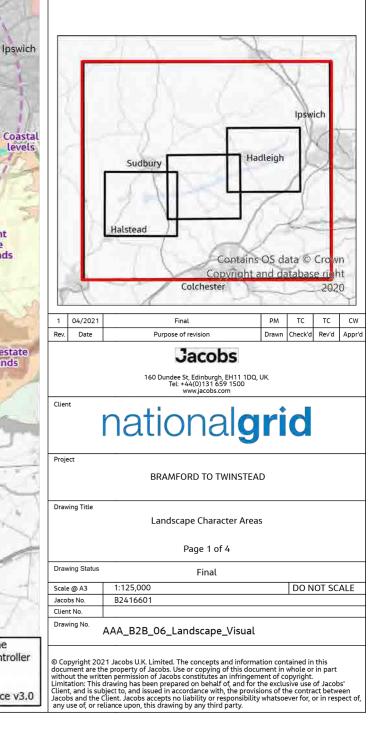


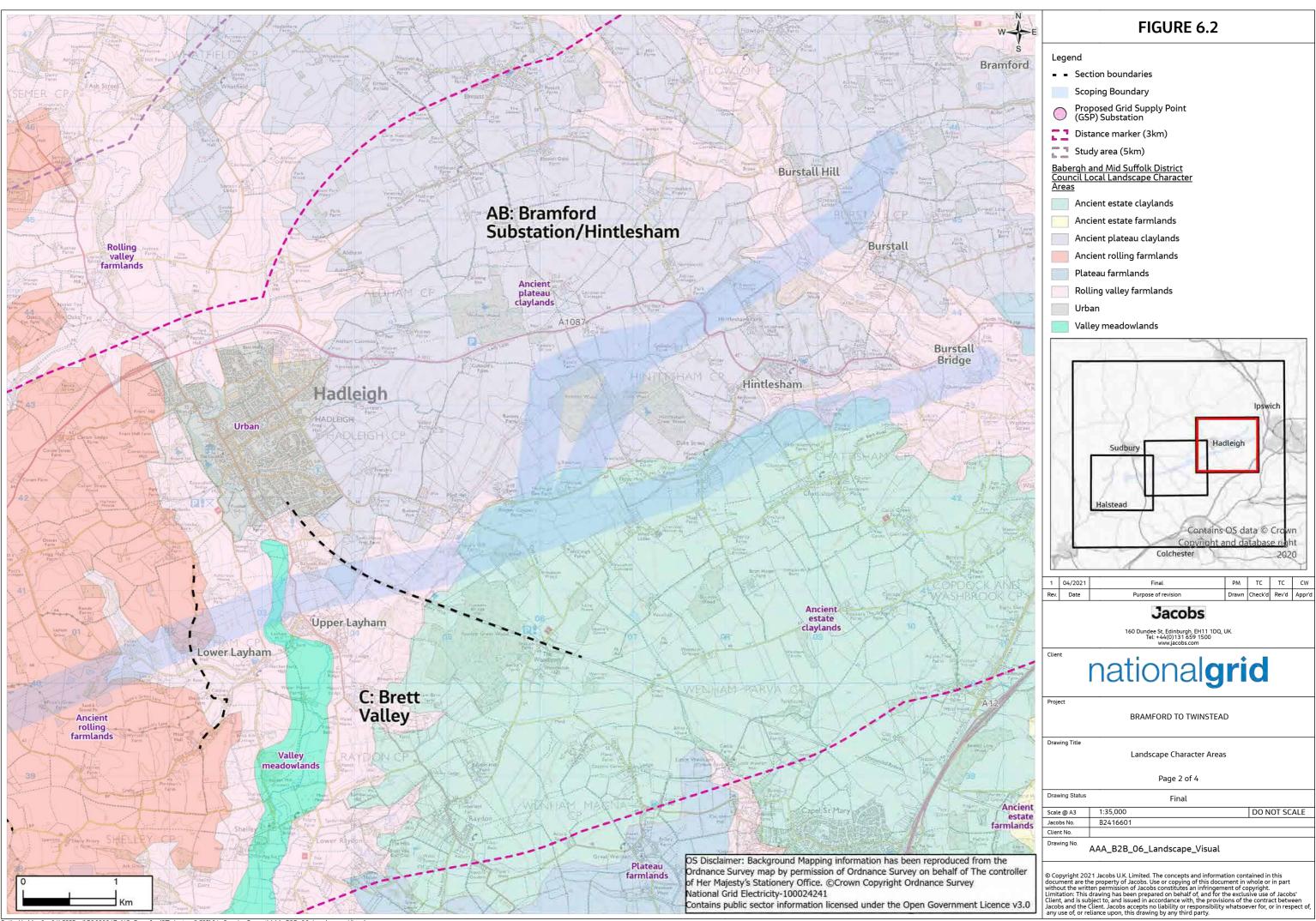


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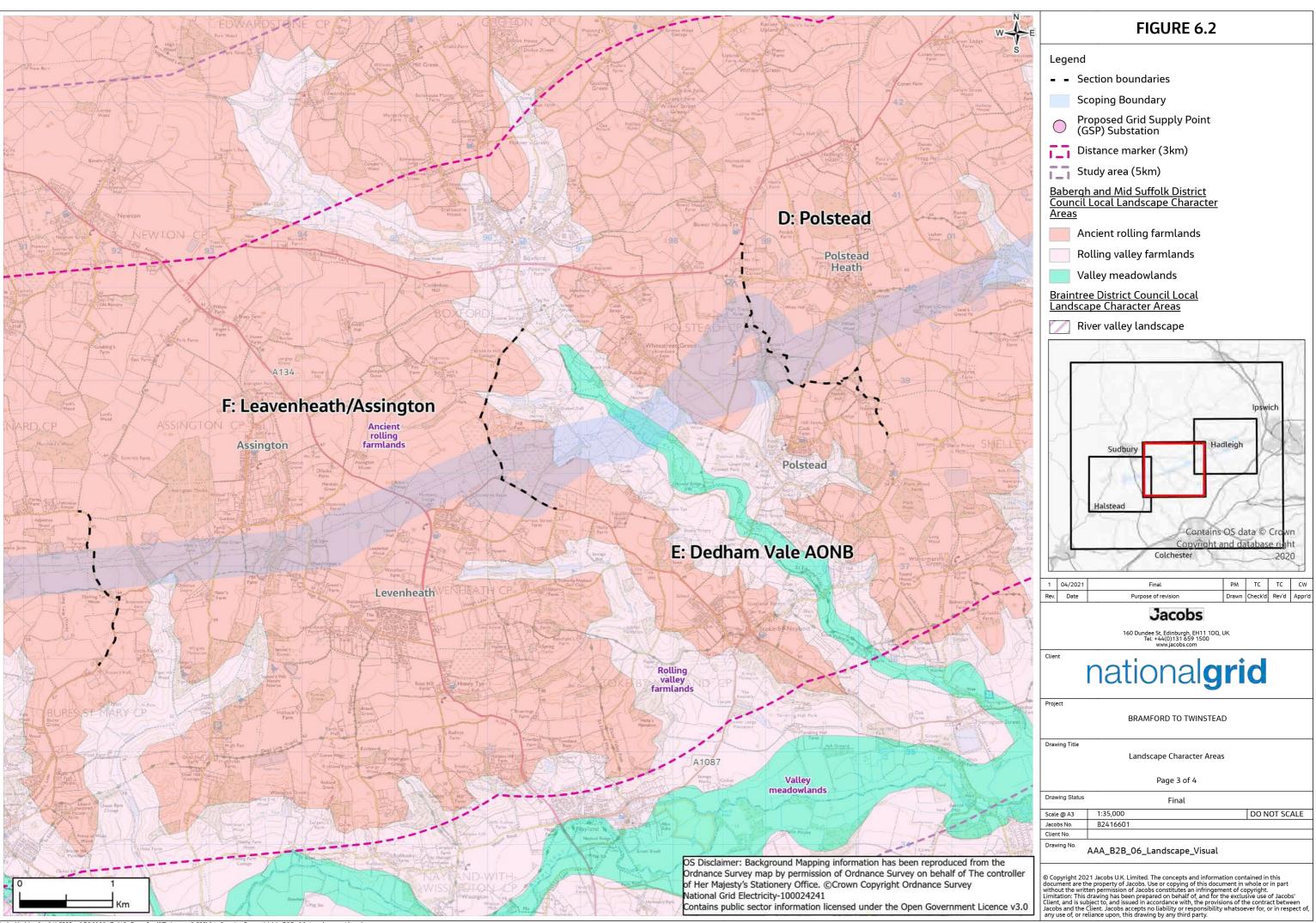
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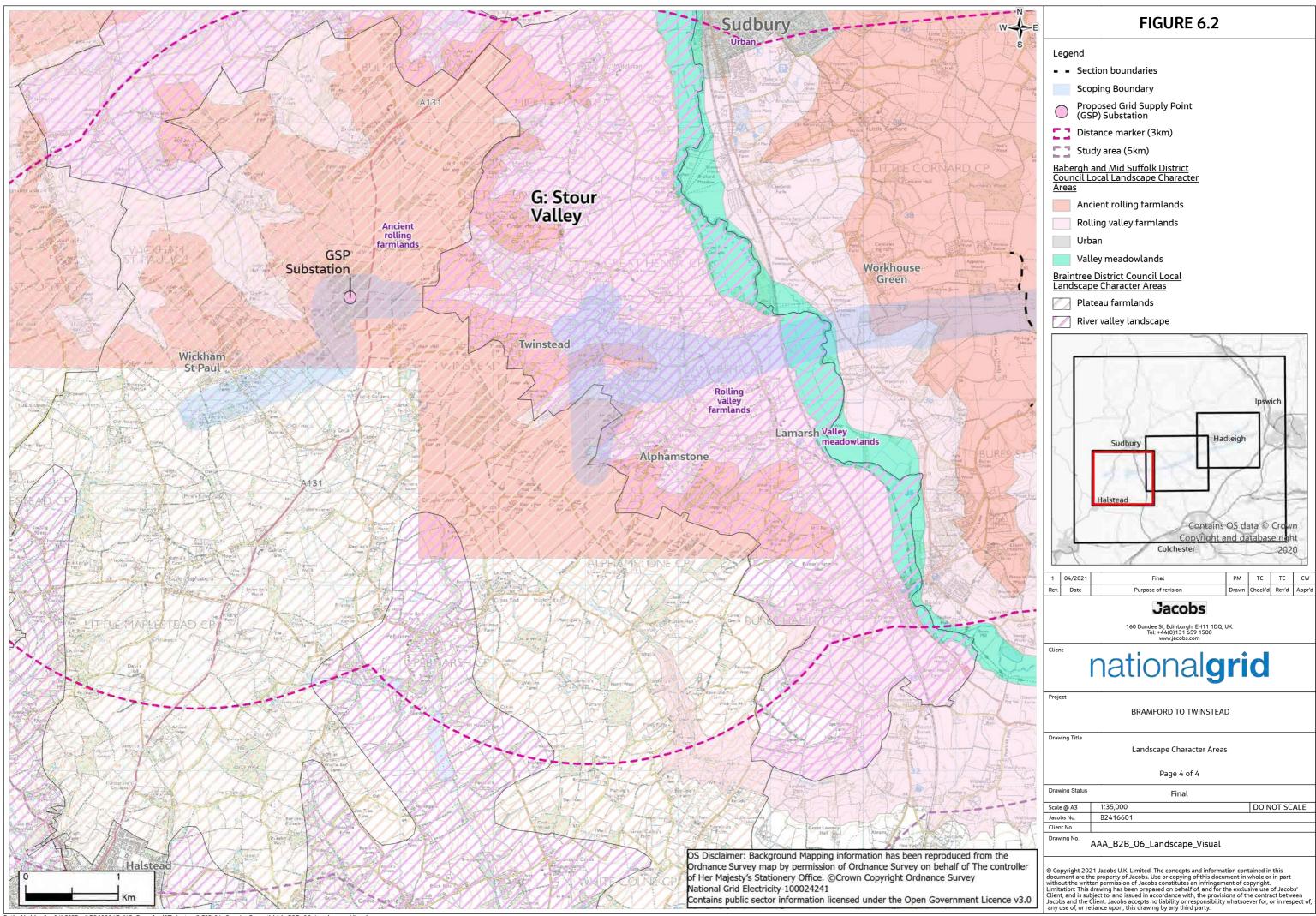




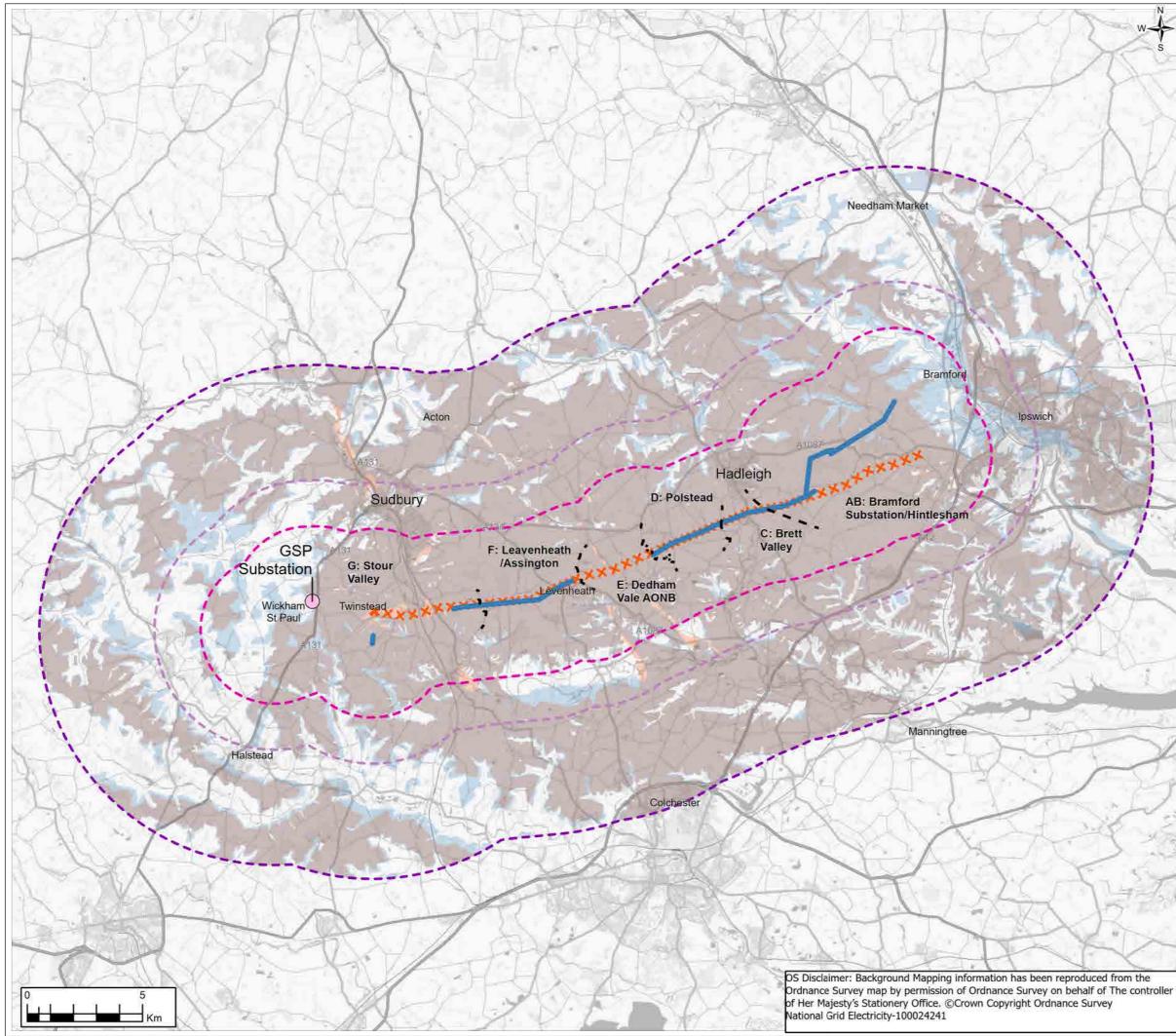
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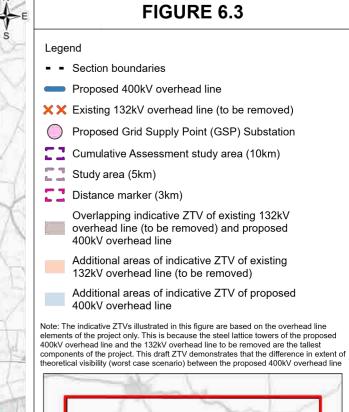
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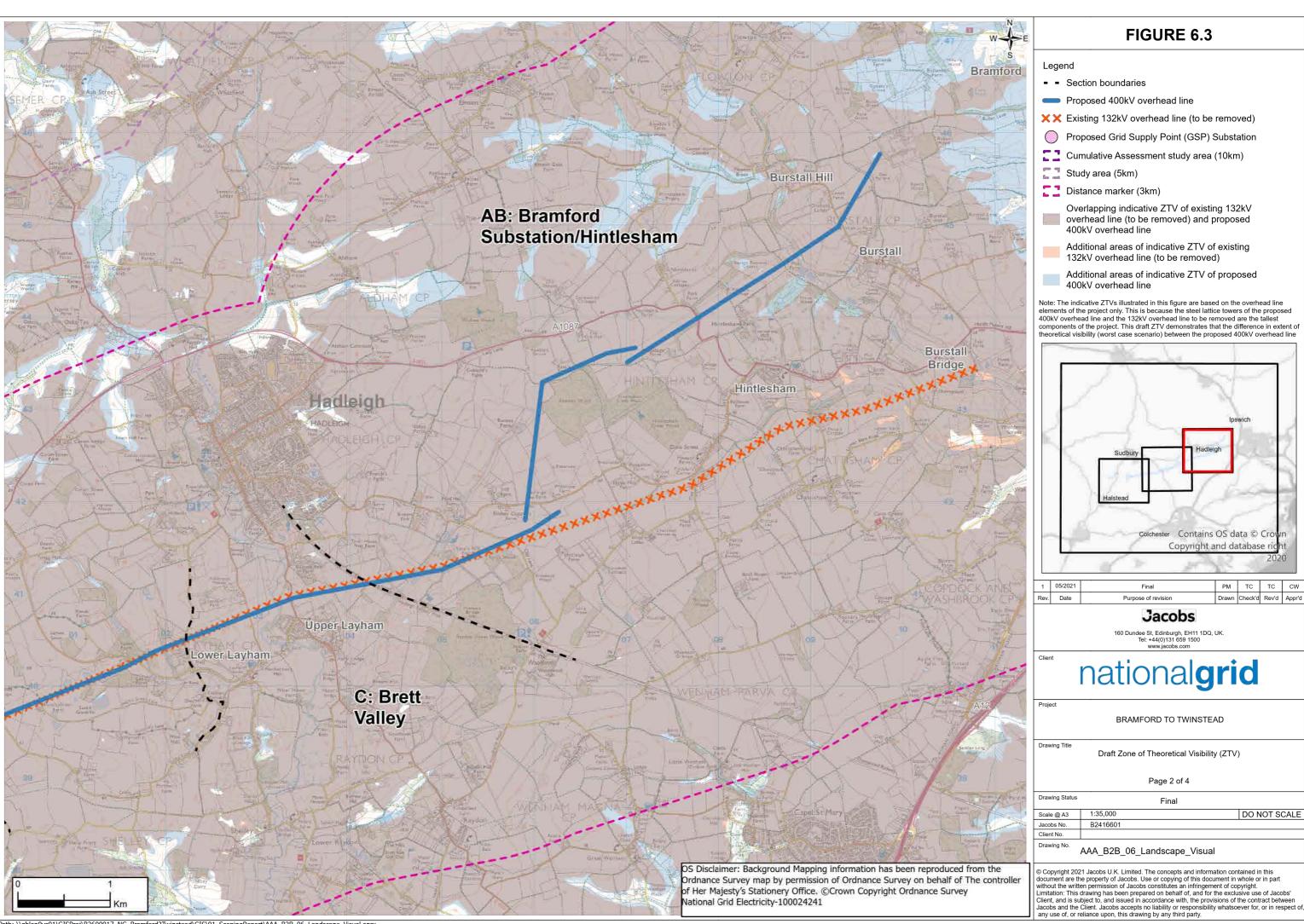
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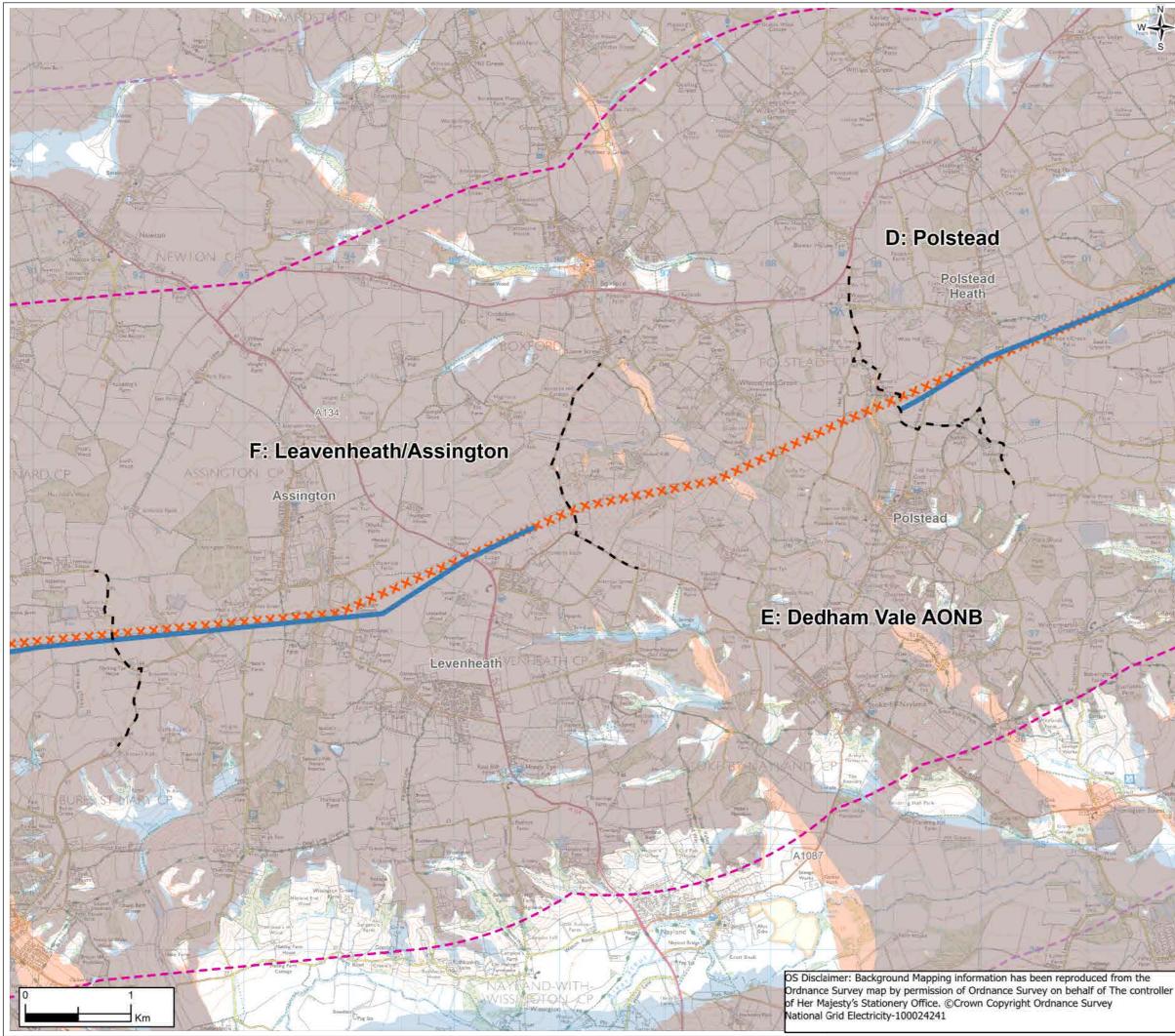
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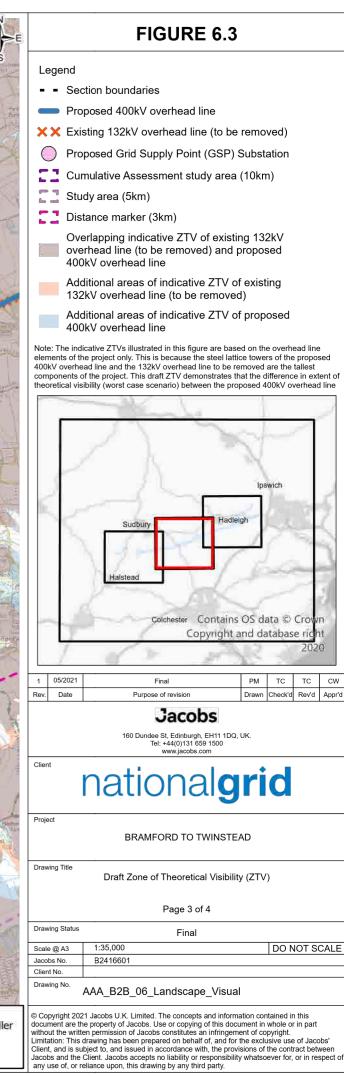
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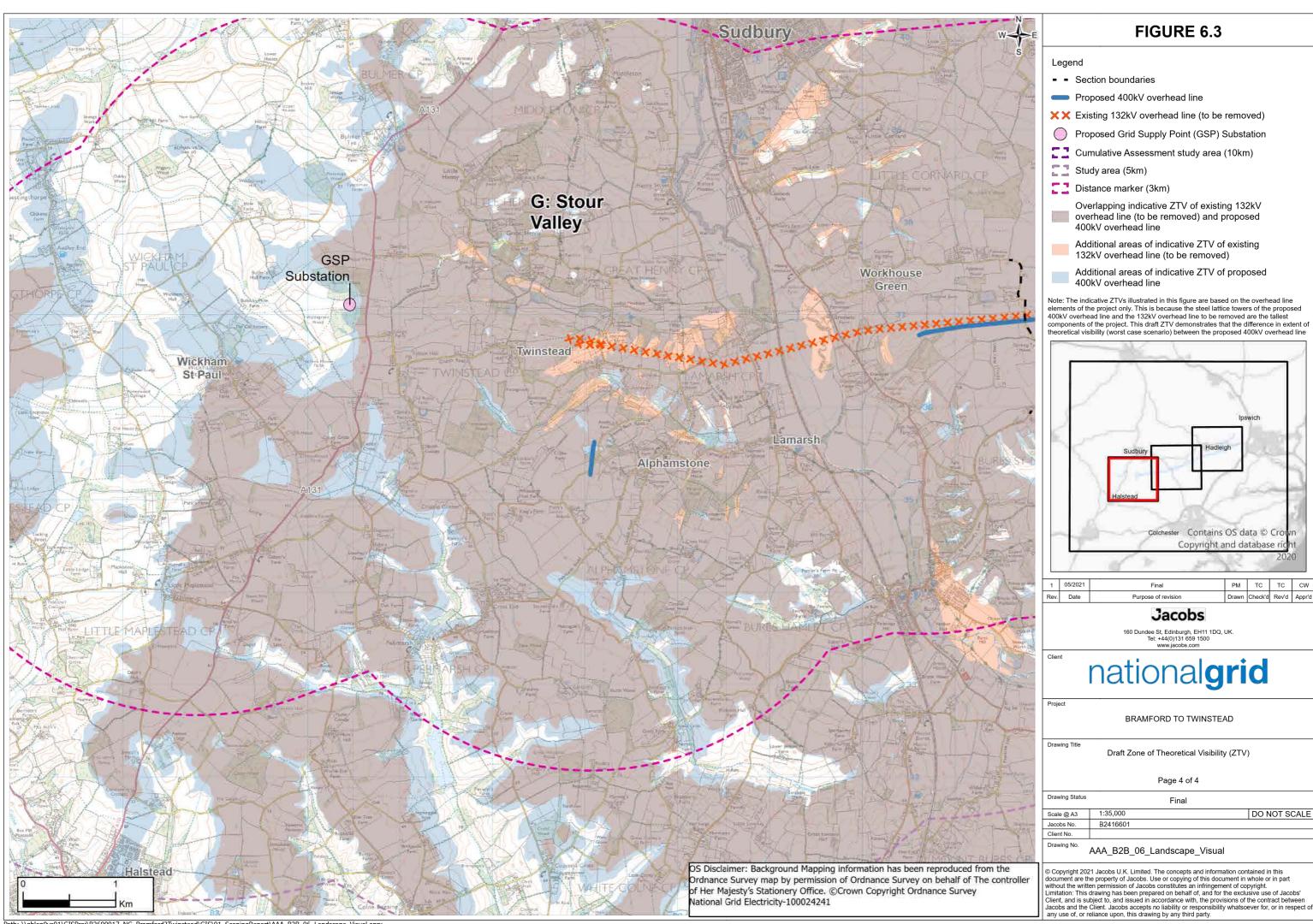


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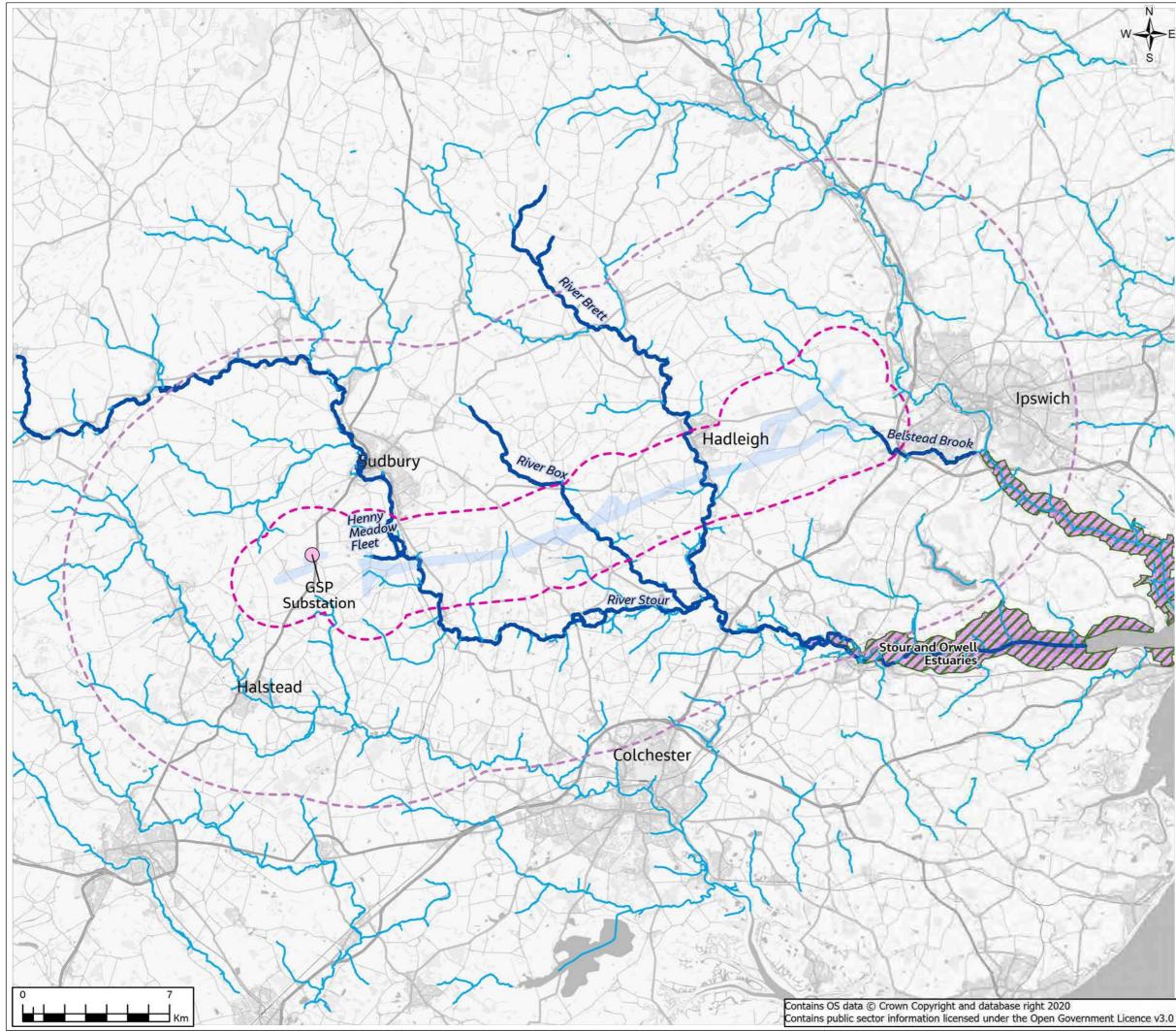


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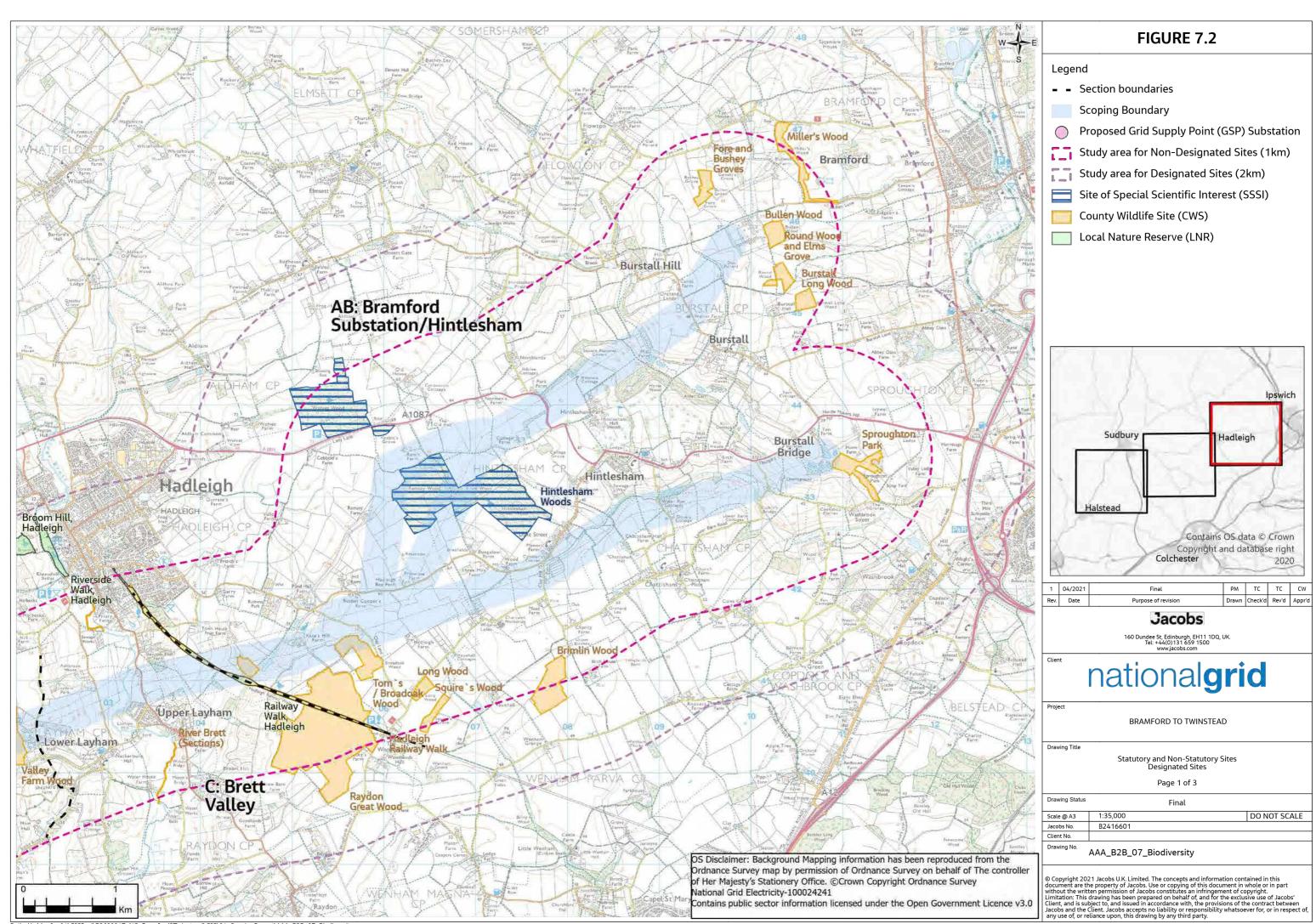
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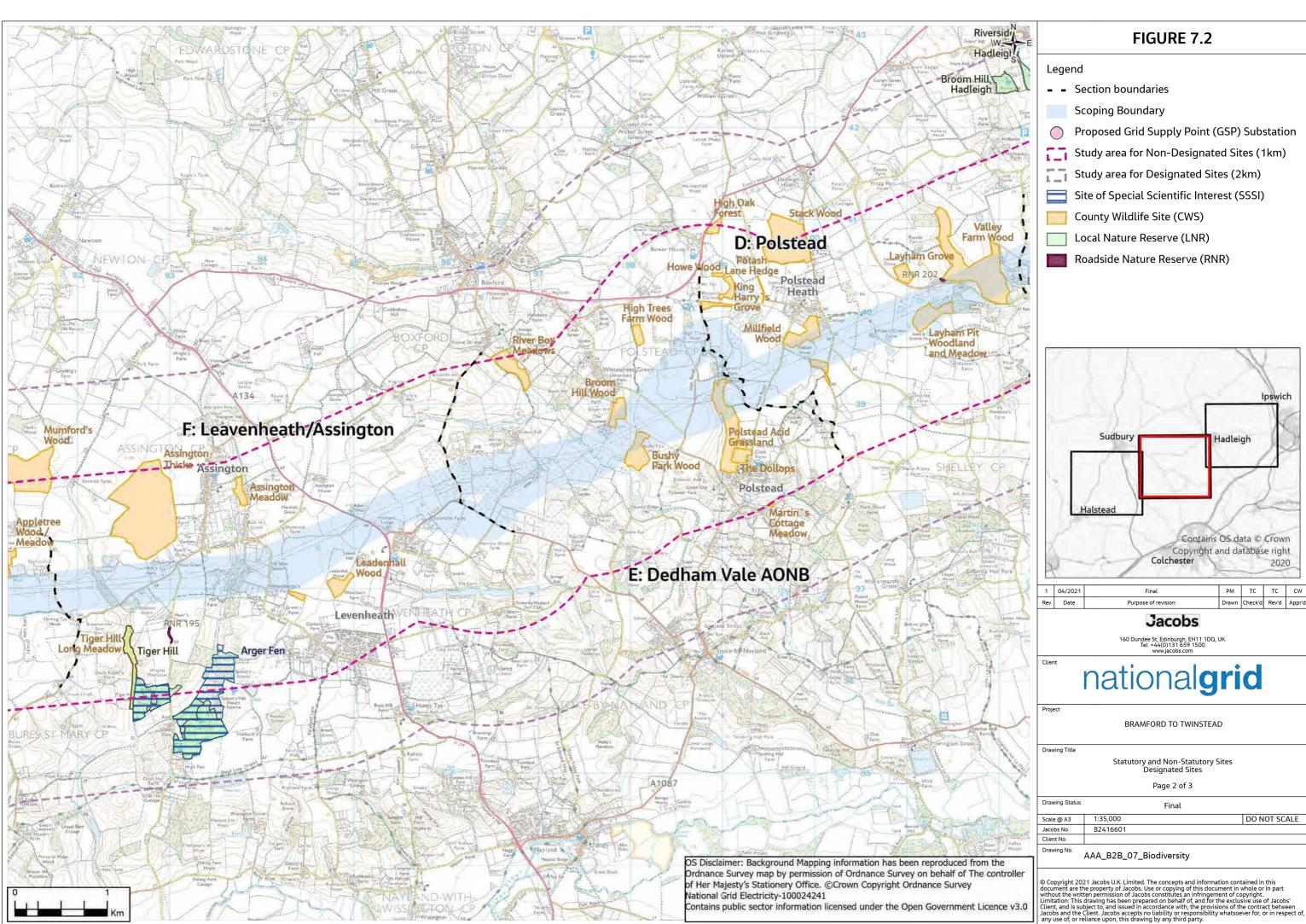
Scoping Boundary

- Proposed Grid Supply Point (GSP) Substation
- Study area for European Designated Sites (2km)
- Study area for Hydrological Connections to European Designated Sites (10km)
- Wetlands of International Importance (RAMSARs)
 - Special Protection Areas (SPA)
- Main Rivers
- Non-Main Rivers

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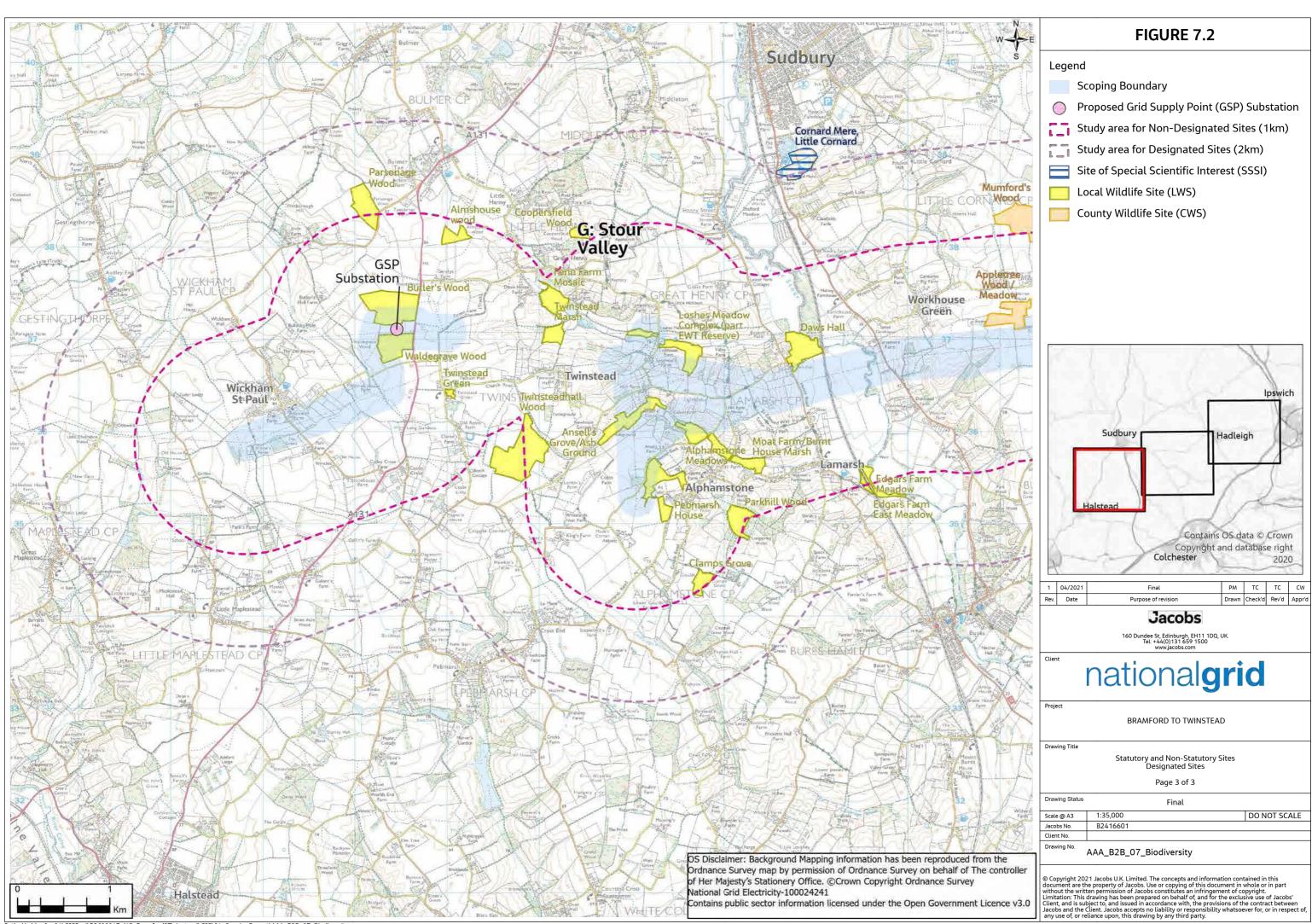


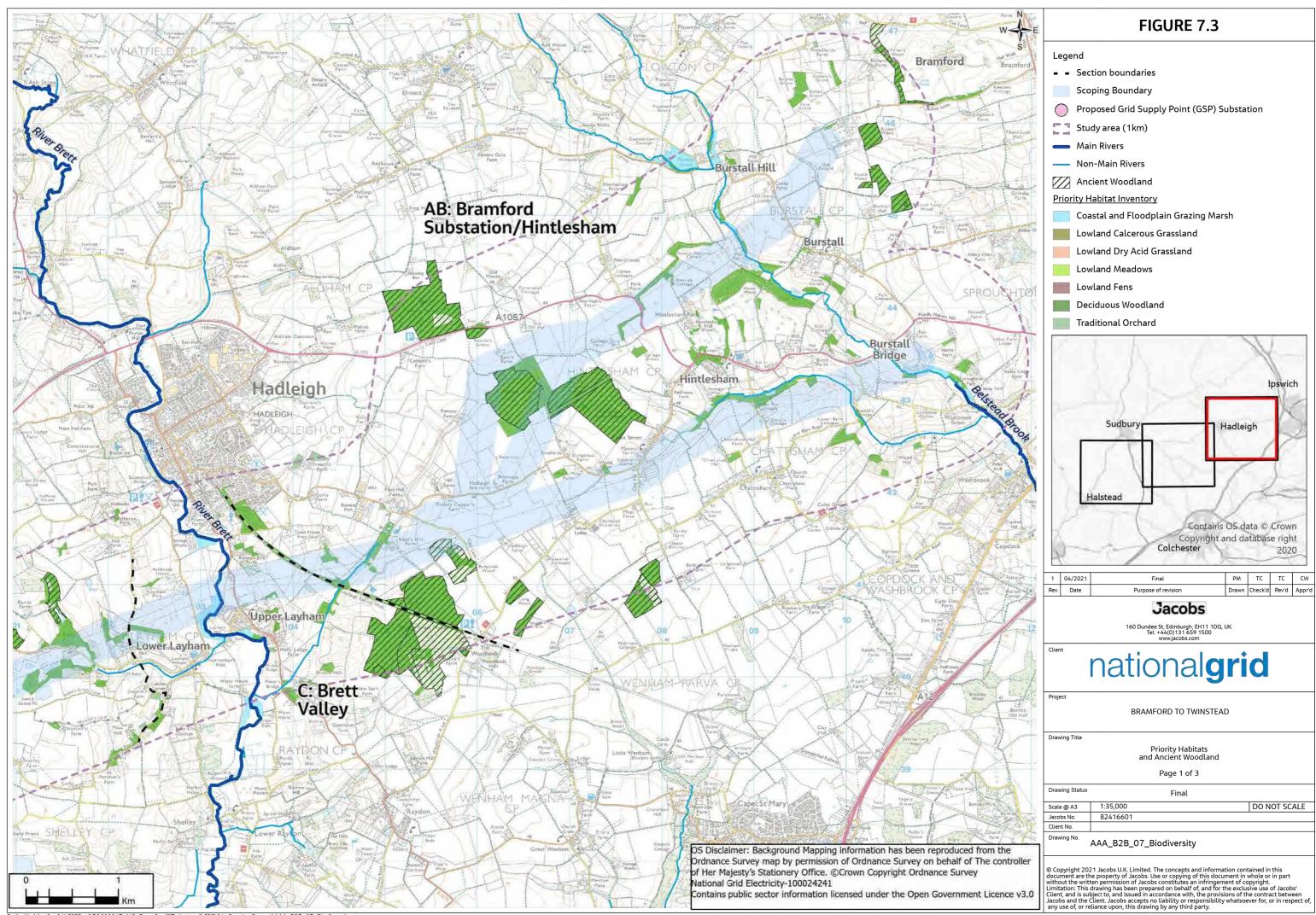
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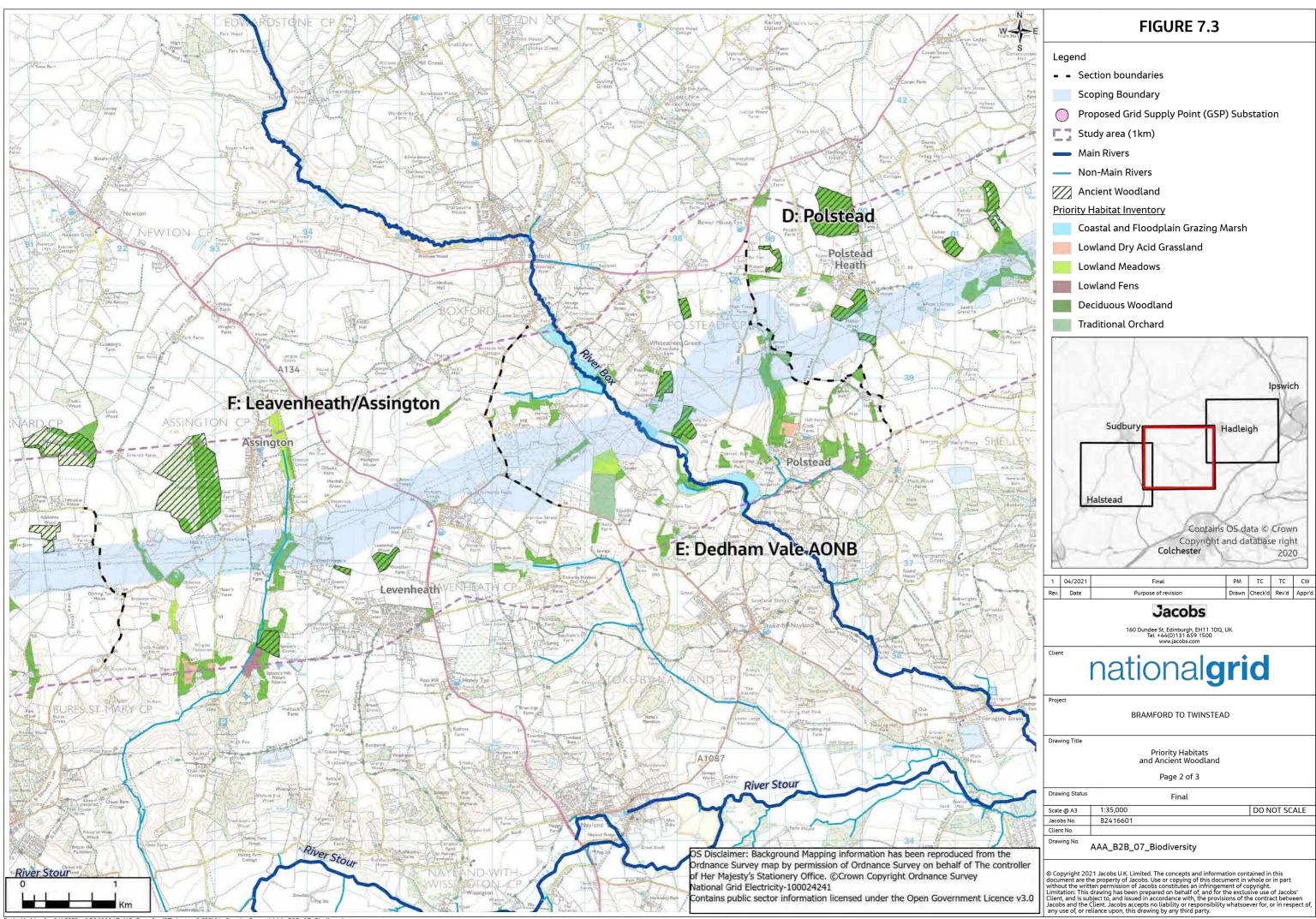
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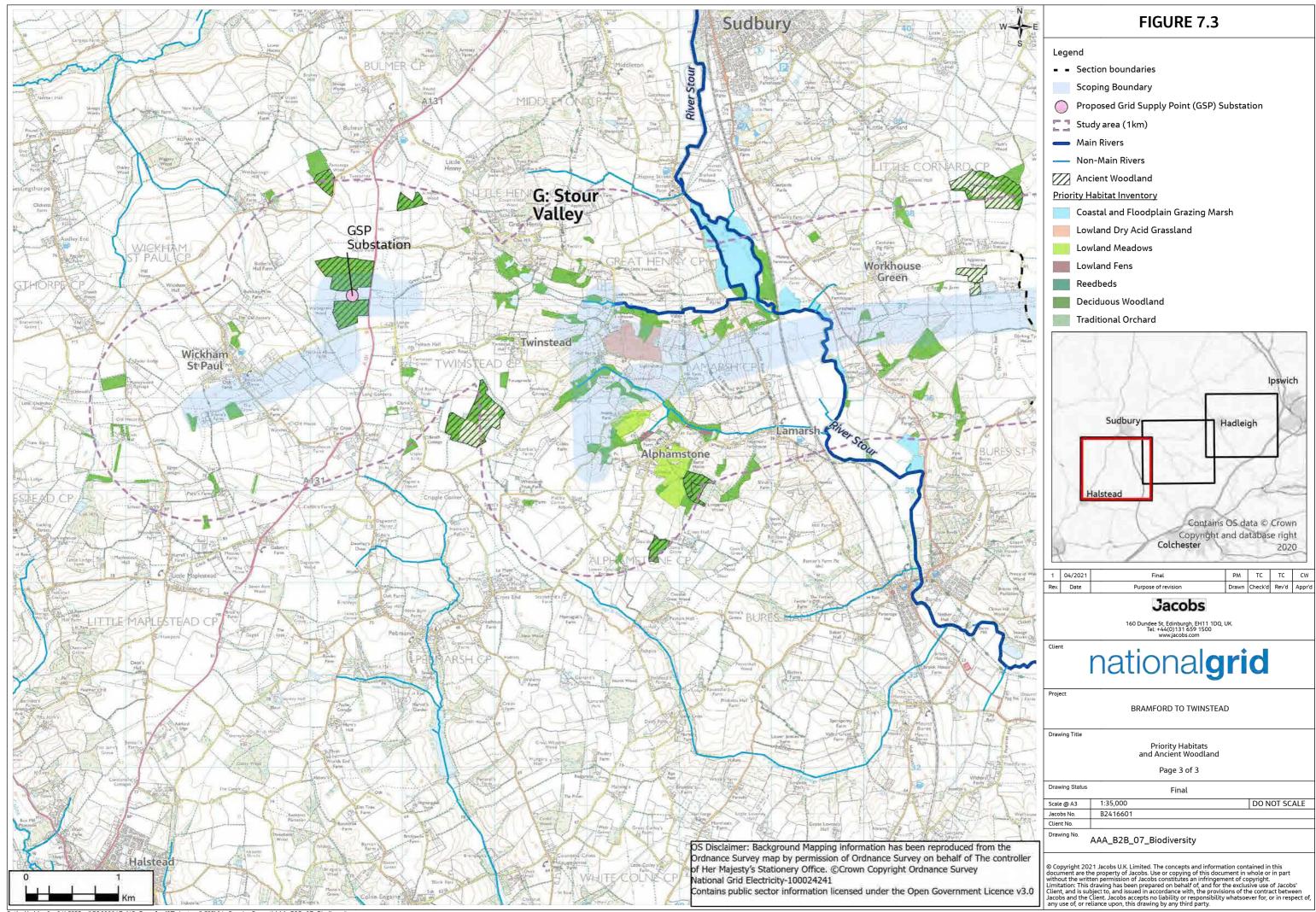




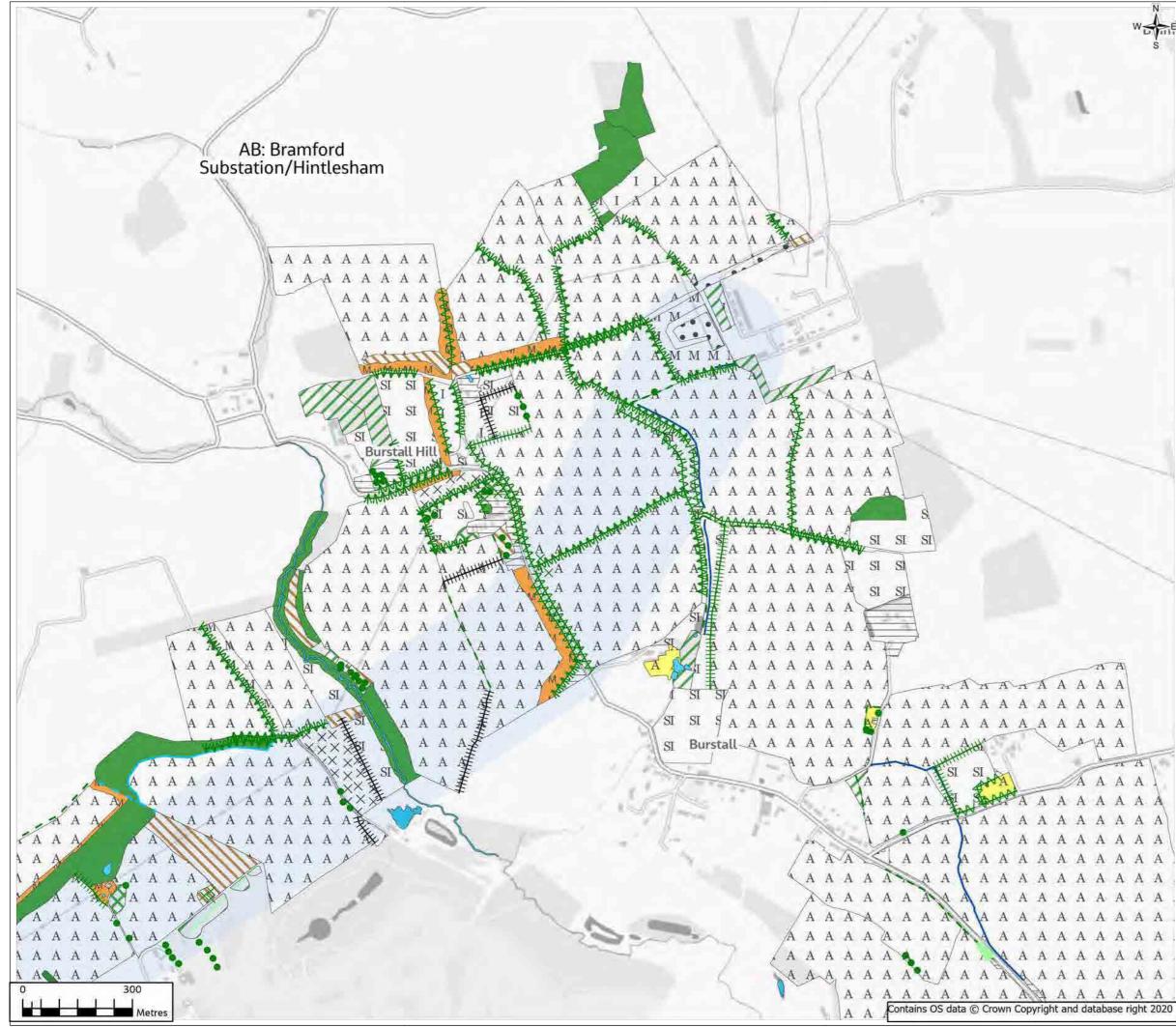
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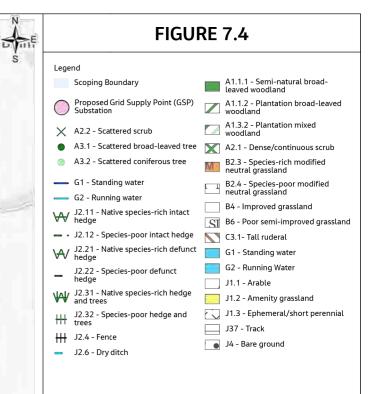
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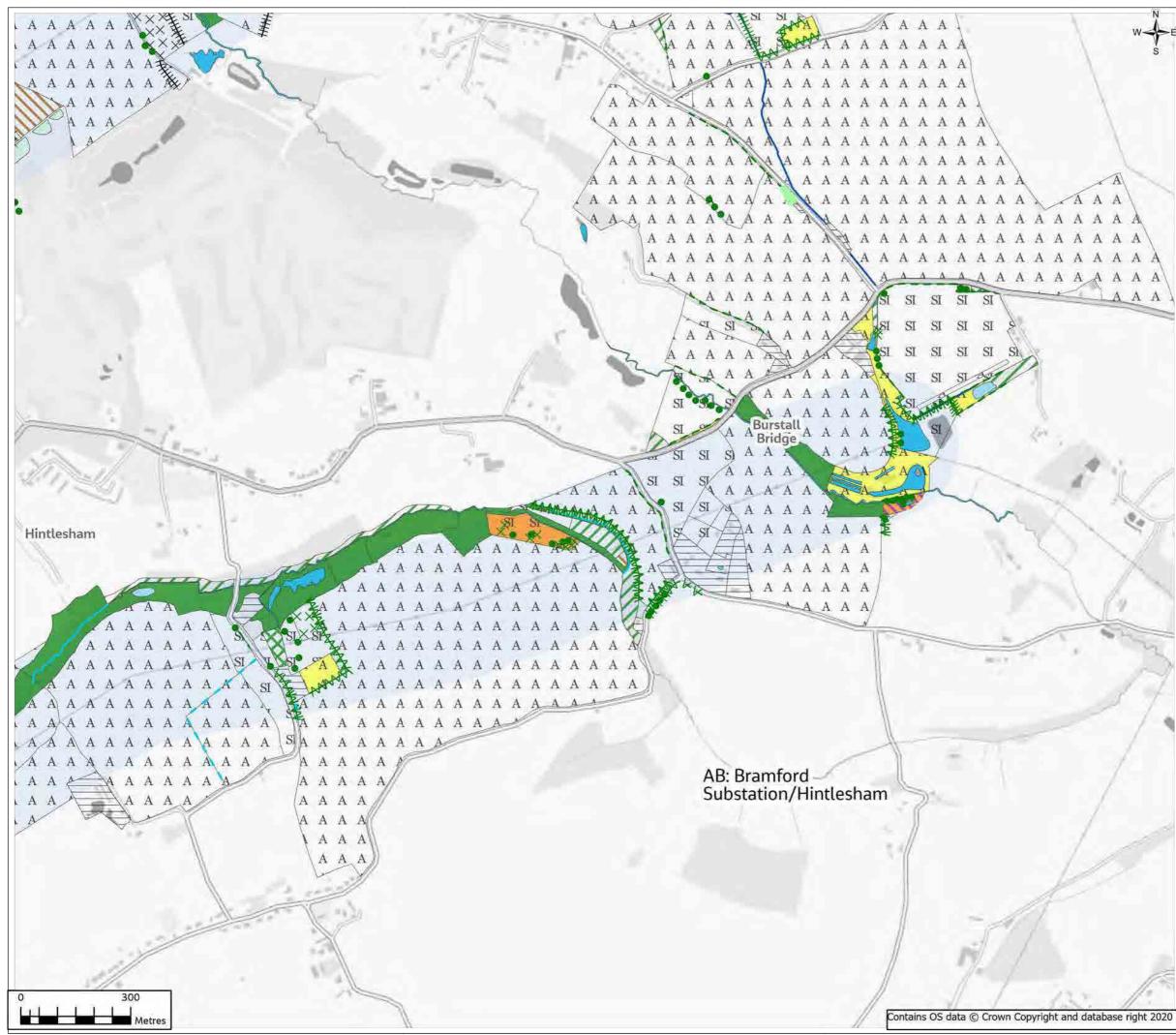
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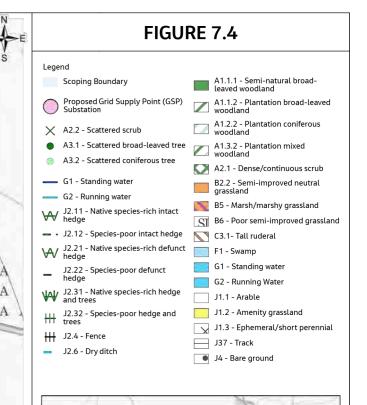
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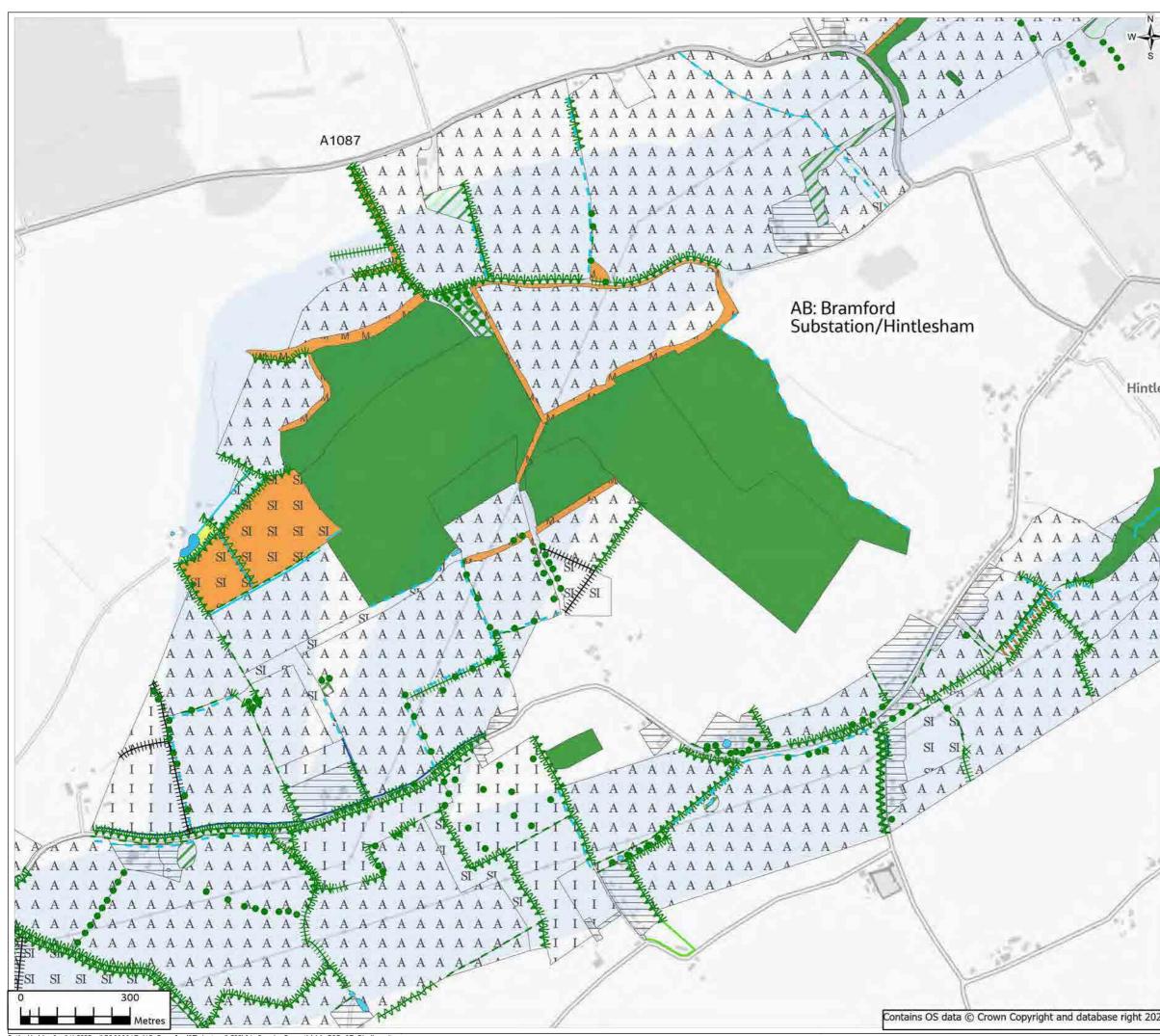
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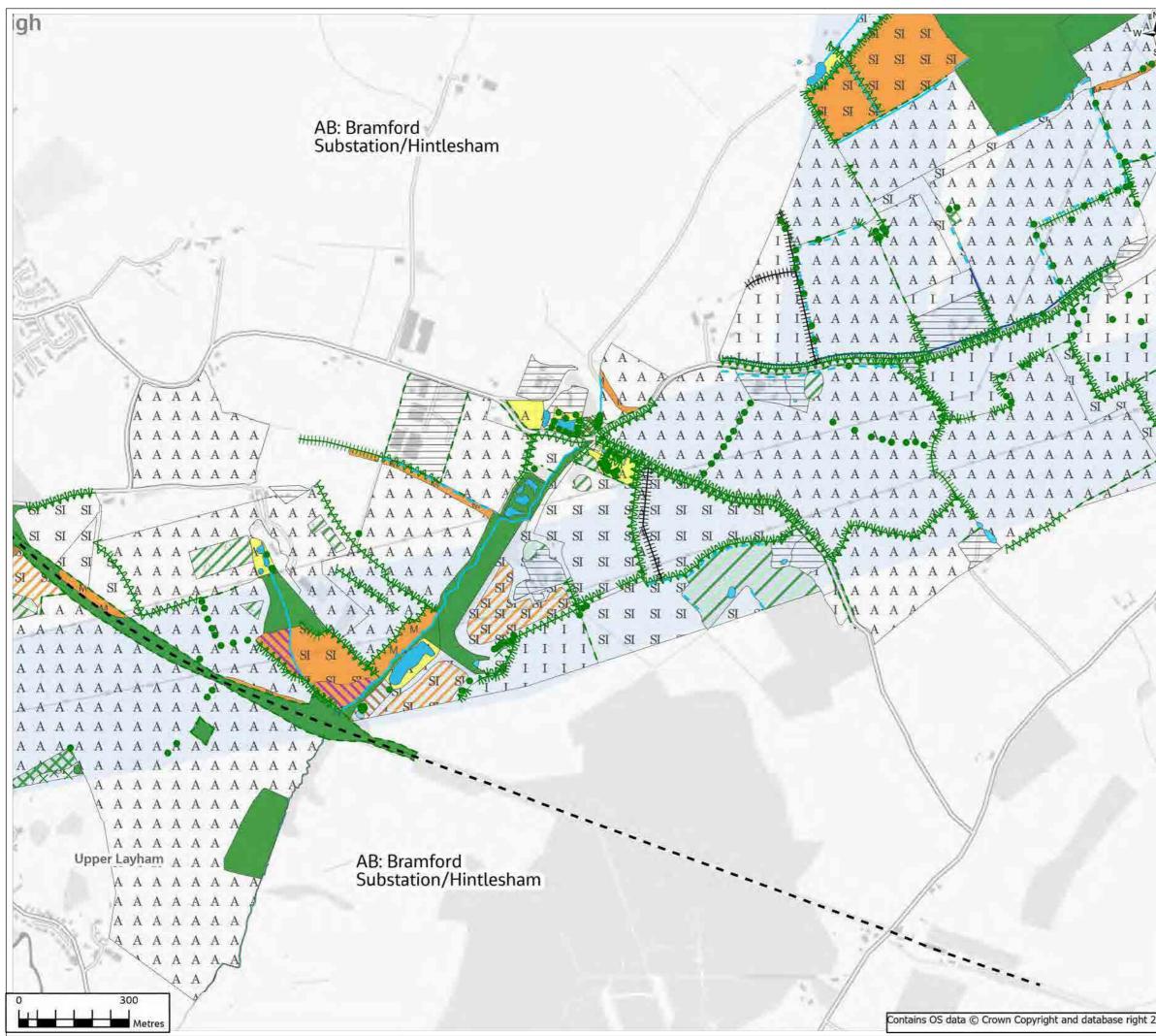
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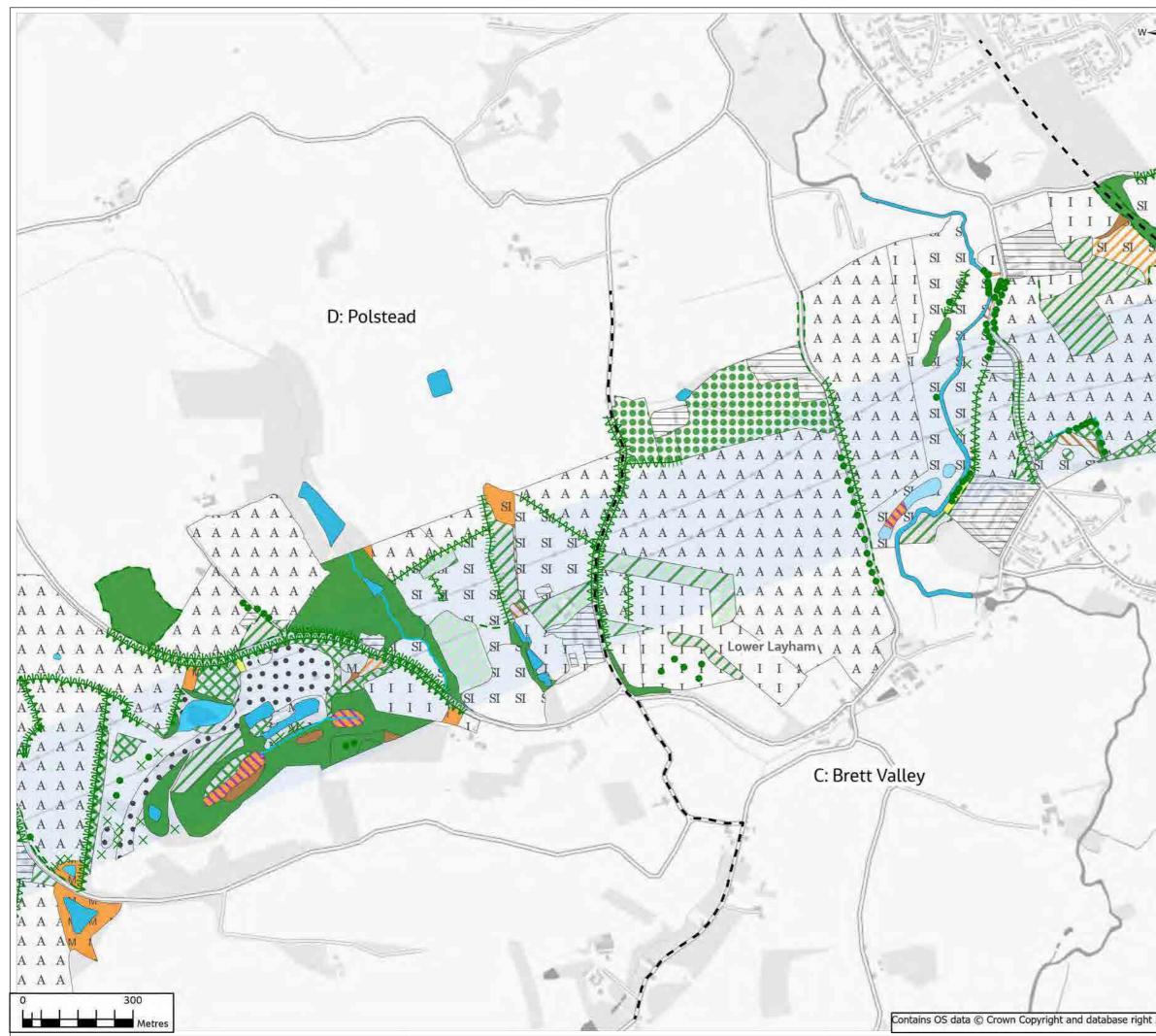
FIGURE 7.4						
Legend						
Scoping Boundary	A1.1.1 - Semi-natural broad- leaved woodland					
Proposed Grid Supply Point (GSP) Substation	A1.1.2 - Plantation broad-leaved woodland					
X A2.2 - Scattered scrub	A1.2.2 - Plantation coniferous woodland					
A3.1 - Scattered broad-leaved tree	A1.3.2 - Plantation mixed woodland					
Conifer Hedge	A2.1 - Dense/continuous scrub					
G1 - Standing water	B2.2 - Semi-improved neutral grassland					
G2 - Running water	5					
J2.11 - Native species-rich intact	B2.3 - Species-rich modified neutral grassland					
 J2.12 - Species-poor intact hedge 	B2.4 - Species-poor modified neutral grassland					
H J2.21 - Native species-rich defunct hedge	B4 - Improved grassland					
J2.22 - Species-poor defunct	B6 - Poor semi-improved grassland					
hedge	C3.1- Tall ruderal					
J2.31 - Native species-rich hedge and trees	G1 - Standing water					
J2.32 - Species-poor hedge and	G2 - Running Water					
	J1.1 - Arable					
HH J2.4 - Fence	J1.2 - Amenity grassland					
J2.6 - Dry ditch	J37 - Track					

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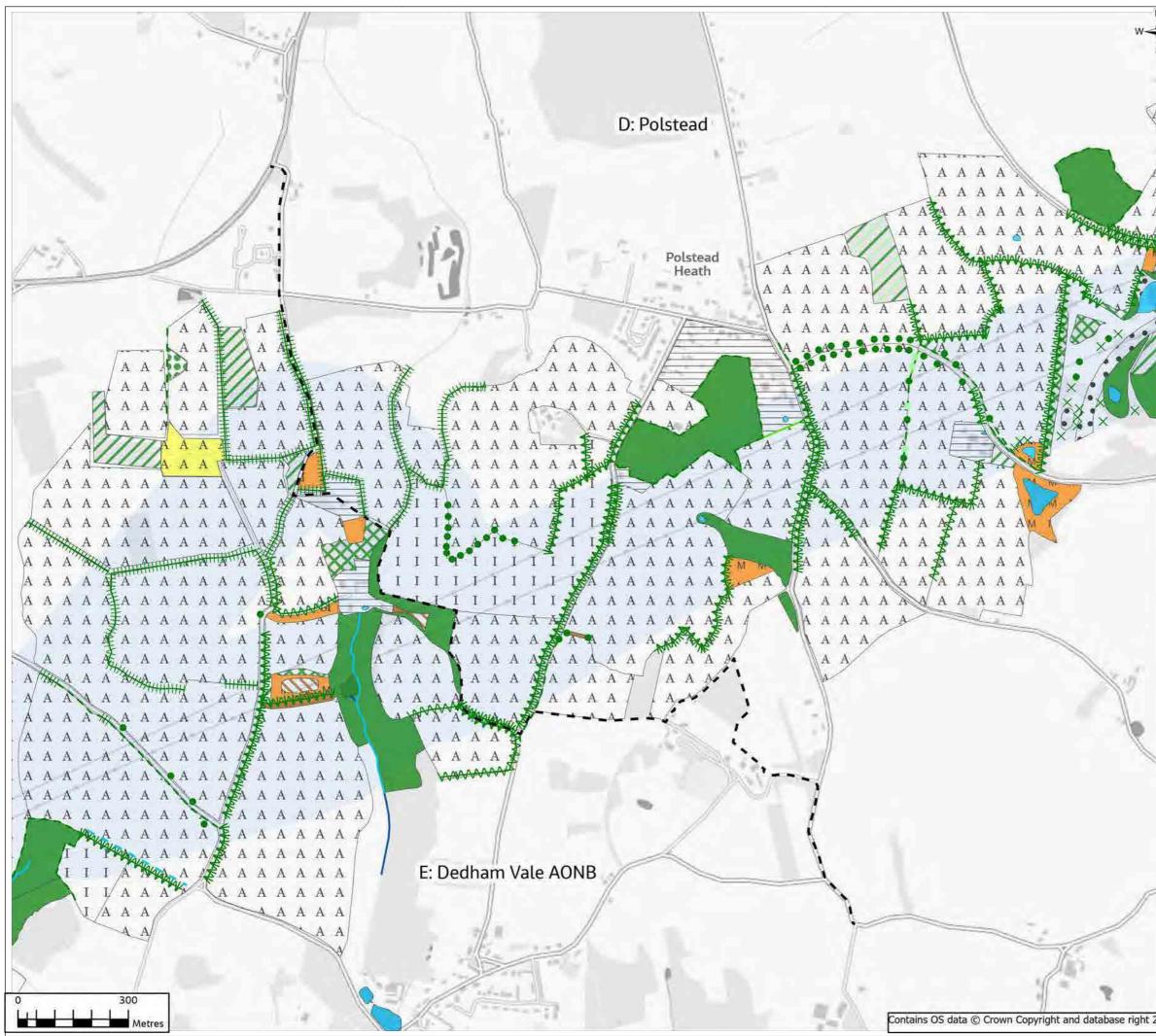
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FIGU	IRE 7.4
Legend	
 Section boundaries 	A1.2.2 - Plantation coniferous woodland
Scoping Boundary	A1.3.2 - Plantation mixed woodland
Proposed Grid Supply Point (GSP) Substation	A2.1 - Dense/continuous scrub
0	A5 - Orchard
A2.2 - Scattered scrub	B1.2 - Semi-improved acid grassland
A3.1 - Scattered broad-leaved tree	B2.2 - Semi-improved neutral
- G1 - Standing water	grassland B2.3 - Species-rich modified
G2 - Running water	neutral grassland
J2.11 - Native species-rich intact hedge	B4 - Improved grassland
 J2.12 - Species-poor intact hedge 	B5 - Marsh/marshy grassland
₩ J2.21 - Native species-rich defunct hedge	B6 - Poor semi-improved grassland
J2.22 - Species-poor defunct	C1.1 - Continuous bracken C3.1- Tall ruderal
J2.31 - Native species-rich hedge	F1 - Swamp
and trees	G1 - Standing water
J2.32 - Species-poor hedge and trees	G2 - Running Water
HH J2.4 - Fence	A J1.1 - Arable
J2.6 - Dry ditch	J1.2 - Amenity grassland
A1.1.1 - Semi-natural broad-	J1.4 - Introduced shrub
Leaved woodland A1.1.2 - Plantation broad-leaved	J37 - Track
A1.1.2 - Plantation broad-leaved woodland	
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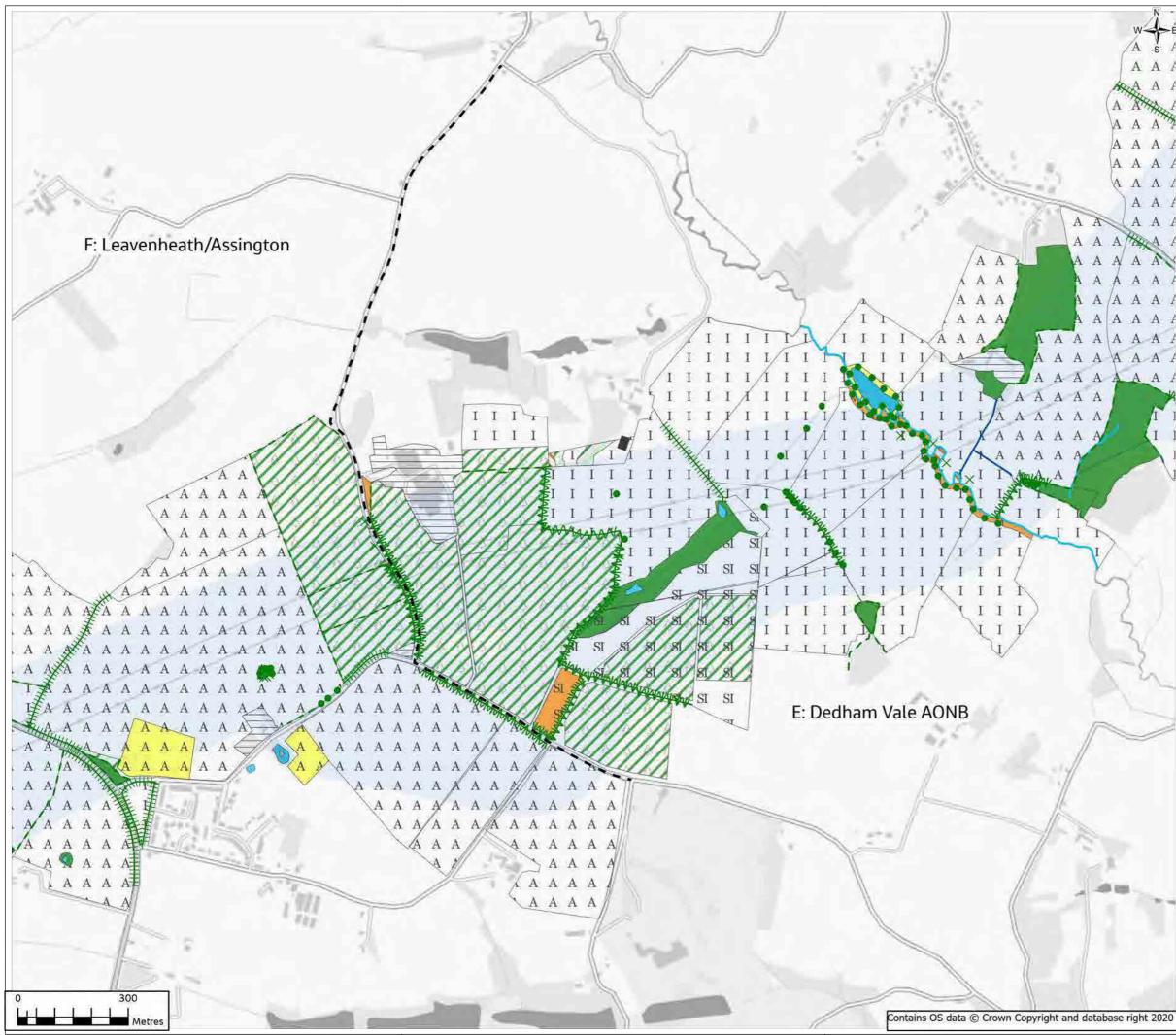
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Scoping Boundary A 5 - Orchard Scoping Boundary A 5 - Orchard Proposed Grid Supply Point (GSP) B1 - Unimproved acid grassland A 2.2 - Scattered broad-leaved tree B2 - Seni-Improved neutral grassland G 2 - Running water B2.3 - Species-poor intact hedge J 2.1 - Native species-rich nickt B4 - Improved grassland J 2.2 - Species-poor defunct B4 - Improved grassland H 12.32 - Species-poor defunct B4 - Improved grassland M 3.1.1 - Semi-natural broad-leaved C 3 - Standing water M 3.2.2 - Ranatalo broad-leaved C 3 - Standing water M 3.2.2 - Plantation conferous M 1.1 - Anabie M 1.3.2 - Plantation conferous M 1.1 - Anabie M 3.3.2 - Bantation conferous M 1.1 - Anabie M 3.3.2 - Bantation conferous M 1.1 - Anabie M 3.3.2 - Bantation conferous M 2.1 - Dense/continuous scrub J 1.2 - Amantiy grassland M 3.2 - Dense/continuous scrub J 4 - Bare ground M 2 Dense/continuous scrub M 4.2 - Dense/continuous scrub J 4 - Bare ground M 3 Deavid M 4.2 - Dense/continuous scrub J 4 - Bare ground M 4 Deavid M 5 - Doubles - ScacoDS Nouches scrub M	Legend				
Scoping Boundary A 5 - Orchard Proposed Crid Supply Point (GSP) B1.1 - Unimproved acid grassian A 3.1 - Scattered scrub B1.2 - Semi-improved neutral grassiand B 3.3 - Scattered scrub B2.2 - Semi-improved neutral grassiand C 2 - Running water B2.3 - Species-rich modified W 12.1 - Native species-rich intact hedge and trees B - Por semi-improved grassiand I 2.2 - Species-poor intact hedge and trees B - Por semi-improved grassiand I 2.2 - Species-poor hedge and trees C - 1 - Continuous bracken I 2.2 - Plantation toroad-leaved woodland C - 1 - Continuous bracken I 2.2 - Plantation mixed woodland I - 2 - Plantation toroad-leaved woodland I 2.2 - Plantation mixed woodland I - 2 - Namity grassiand I 2.2 - Plantation mixed woodland I - 2 - Namity grassiand I 2.2 - Plantation mixed woodland I - 2 - Namity grassiand I 2.2 - Plantation mixed woodland I - 7 rack I 2.2 - Plantation mixed woodland I - 7 rack I 2.2 - Plantation mixed woodland I - 2 - Namity grassiand I 2 - Namity grassiand with the system I - 0 to the system I 2 - Dense/continuous scrub I - 0 to the system I 2 - 0 base Purpose of rewision <	 Section 	boundaries			
Proposed Grid Supply Point (GSP) Substation B1.1 - Unimproved acid grassland A.2.2 - Scattered strub B1.2 - Semi-improved acid grassland B.2.2 - Species-rich intact hedge B2.2 - Species-poor modified J.2.1 - Native species-rich intact hedge B2.2 - Species-poor indefinded J.2.2 - Species-poor intact hedge B - Improved grassland J.2.2 - Species-poor intact hedge B - Improved grassland J.2.2 - Species-poor intact hedge B - Improved grassland J.2.2 - Species-poor hedge and trees C.3.1 - Tail tuderal J.2.2 - Plantation romiferous B - Species-poor modified M.1.2.3 - Plantation romiferous C.3.1 - Tail tuderal M.1.2.3 - Plantation romiferous C.3.1 - Tail tuderal M.1.2.3 - Plantation romiferous C.3.1 - Tail tuderal M.1.2.3 - Plantation romiferous J.1.1 - Arable M.1.2.4 - Dense/continuous scrub J.1.1 - Arable J.1.1 - Arable J.1.1 - Arable M.1.2.2 - Dense of ortivision Drew of trevision Drewice Stating trevision Drew of thec	Scoping	Boundary			
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G2 - Running water Image: Secies-rich Intact hedge Image: Spaces-poor intact hedge B4 - Improved grassland Image: Spaces-poor defunct B5 - Marsh/marshy grassland Image: Spaces-poor hedge and treewed woodland C1.1 - Continuous bracken Image: Spaces-poor hedge and treewed woodland C1.1 - Continuous bracken Image: Spaces-poor hedge and treewed woodland C1.1 - Continuous bracken Image: Spaces-poor hedge and treewed woodland C1.1 - Continuous bracken Image: Spaces-poor offerous Image: Spaces-poor modeline Image: Spaces-poor hedge and treewed woodland Image: Spaces-poor modeline Image: Spaces-poor hedge and treewed woodland Image: Spaces-poor modeline Image: Spaces-poor hedge and treewed woodland Image: Spaces-poor modeline Image: Spaces-poor modeline	A3.1-5	cattered broad-leaved tree			
W J2.11 - Native species-rich intact indige B2.4 - Species-poor modified intradigesiand I J2.21 - Species-poor intact hedge B4 - Improved grassland IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	- G2 - Bu	nning water		B2.3 - Species-rich modified neutral grassland	
 J2.12 - Species-poor intact hedge J2.22 - Species-poor intact hedge J2.22 - Species-poor intact hedge J2.23 - Species-poor hedge and trees J2.23 - Plantation torad-leaved woodland A1.2 - Plantation coniferous woodland A1.2 - Plantation coniferous woodland J2 - Track J2 - Plantation coniferous woodland J37 - Track J2 - Bare ground I - Our provide grassiand J37 - Track J4 - Bare ground I - Colchester I - Malter I - Malter I - Value I - Malter 		•		B2.4 - Species-poor modified	
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W 2-31 - Native species-rich hedge and trees C 1.1 - Continuous bracken W 12.32 - Species-poor hedge and leaved woodland C 3.1 - Tall ruderal A 1.11 - Semi-natural broad-leaved woodland C 1.1 - Continuous bracken A 1.12 - Plantation broad-leaved woodland C 1.1 - Acid/neutral flush A 1.12 - Plantation conferous woodland C 1.1 - Acid/neutral flush A 1.12 - Plantation conferous woodland J 1.1 - Arable A 1.12 - Plantation mixed woodland J 1.1 - Arable A 1.12 - Plantation mixed woodland J 1.2 - Amenity grassland J 4 - Bare ground J 4 - Bare ground I 04/2021 Enal PM TC I 04/2021 Enal PM TC TC		species-poor defunct		B6 - Poor semi-improved grasslan	
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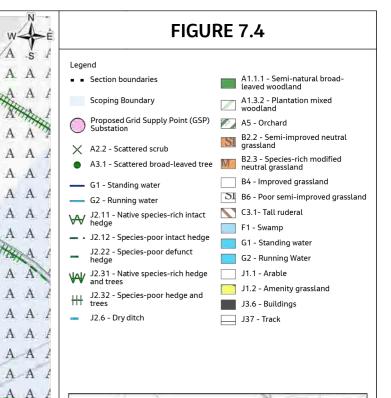


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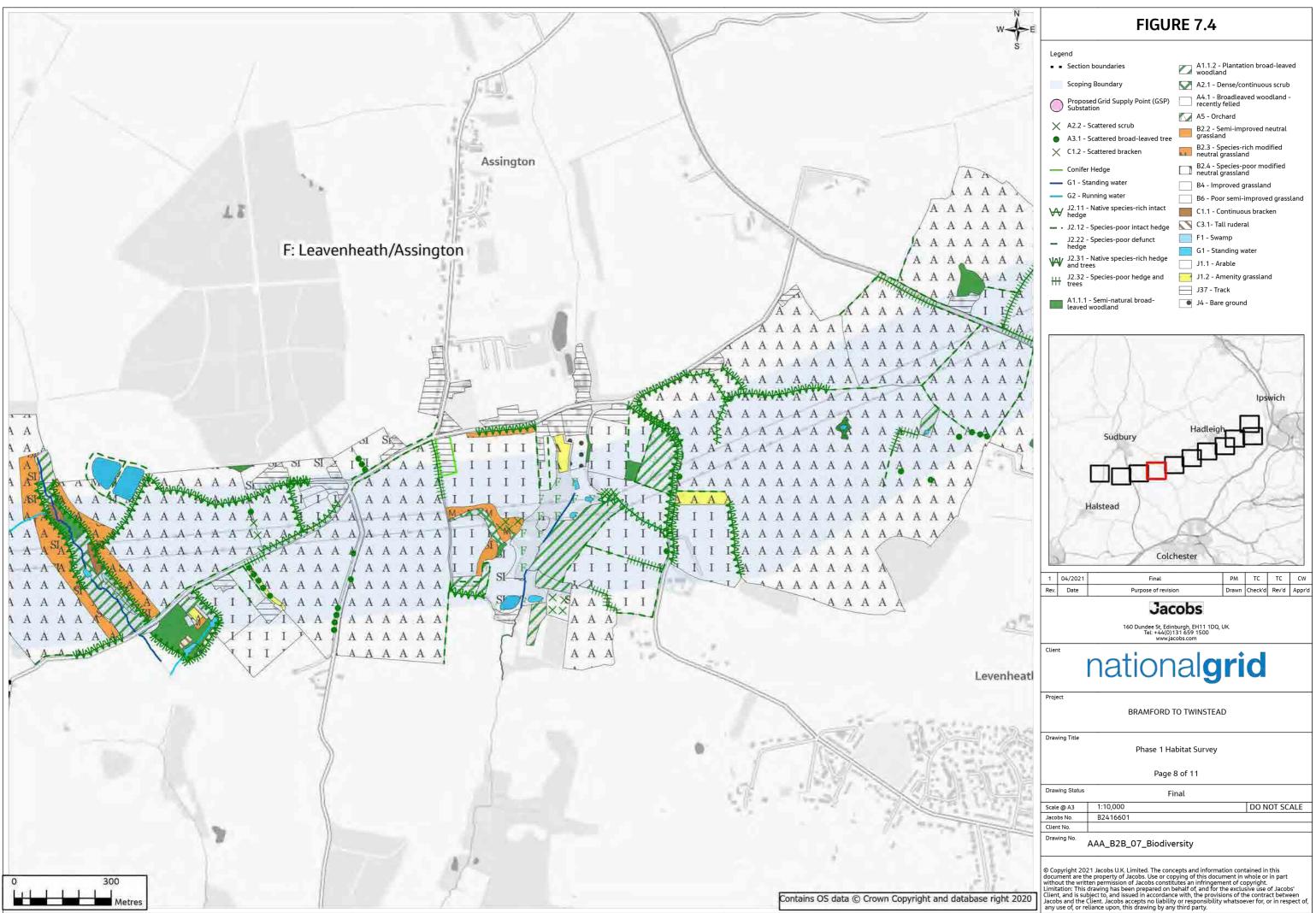
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Legend			
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Scopi	ng Boundary		A1.3.2 - Plantation mixed woodland
Propo	osed Grid Supply Point (GSP)		A2.1 - Dense/continuous scrub
U Subst			A3.1 - Broad-leaved parkland/ scattered trees
~	- Scattered scrub		B2.1 - Unimproved neutral
•	- Scattered broad-leaved tree		grassland
			B2.2 - Semi-improved neutral grassland
Conife	er Hedge Standing water	M	B2.3 - Species-rich modified neutral grassland
	Running water		B4 - Improved grassland
	- Native species-rich intact	0	B5 - Marsh/marshy grassland
hedge	e - Species-poor intact hedge		C1.1 - Continuous bracken
	- Species-poor defunct		C3.1- Tall ruderal
hedge	e		G1 - Standing water G2 - Running Water
and tr	- Native species-rich hedge rees		J1.1 - Arable
₩ J2.32 trees	- Species-poor hedge and		J1.2 - Amenity grassland
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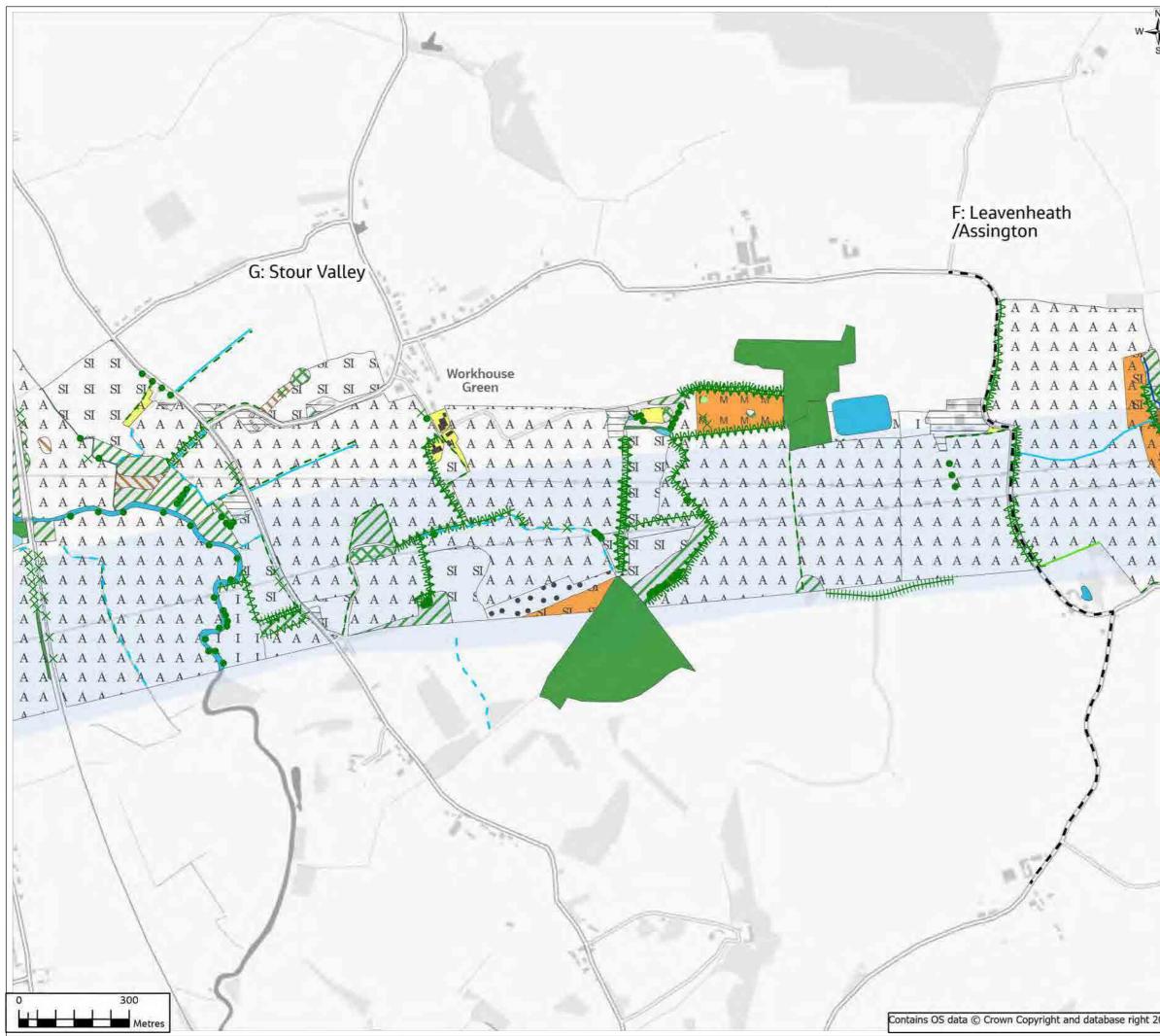
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	FIGU	KE	1.4			
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Scopin	ig Boundary		A1.1.2 - P woodland		on broad-leave	
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Ť.			B2.4 - Spe neutral gr	asslan	d	
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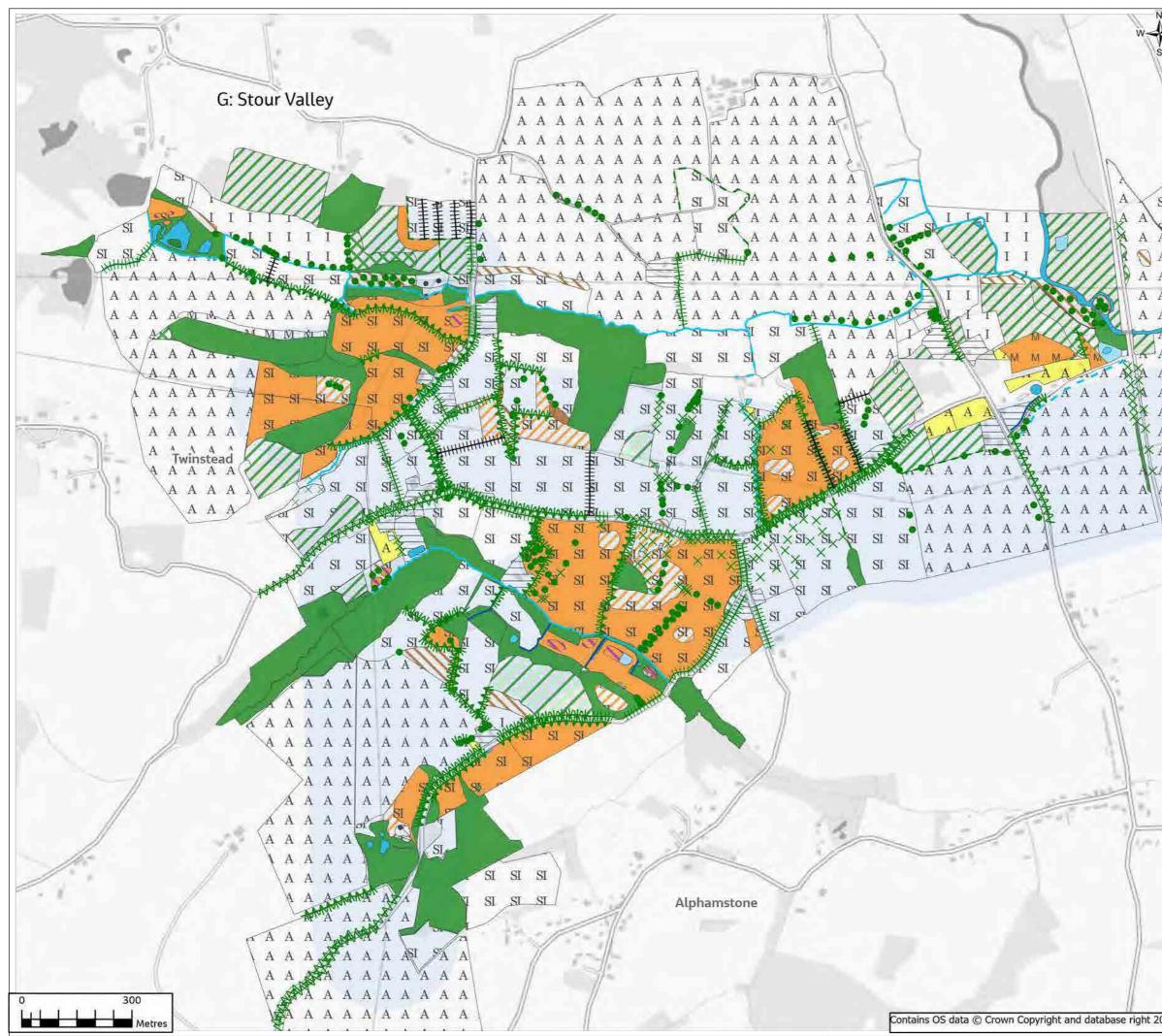
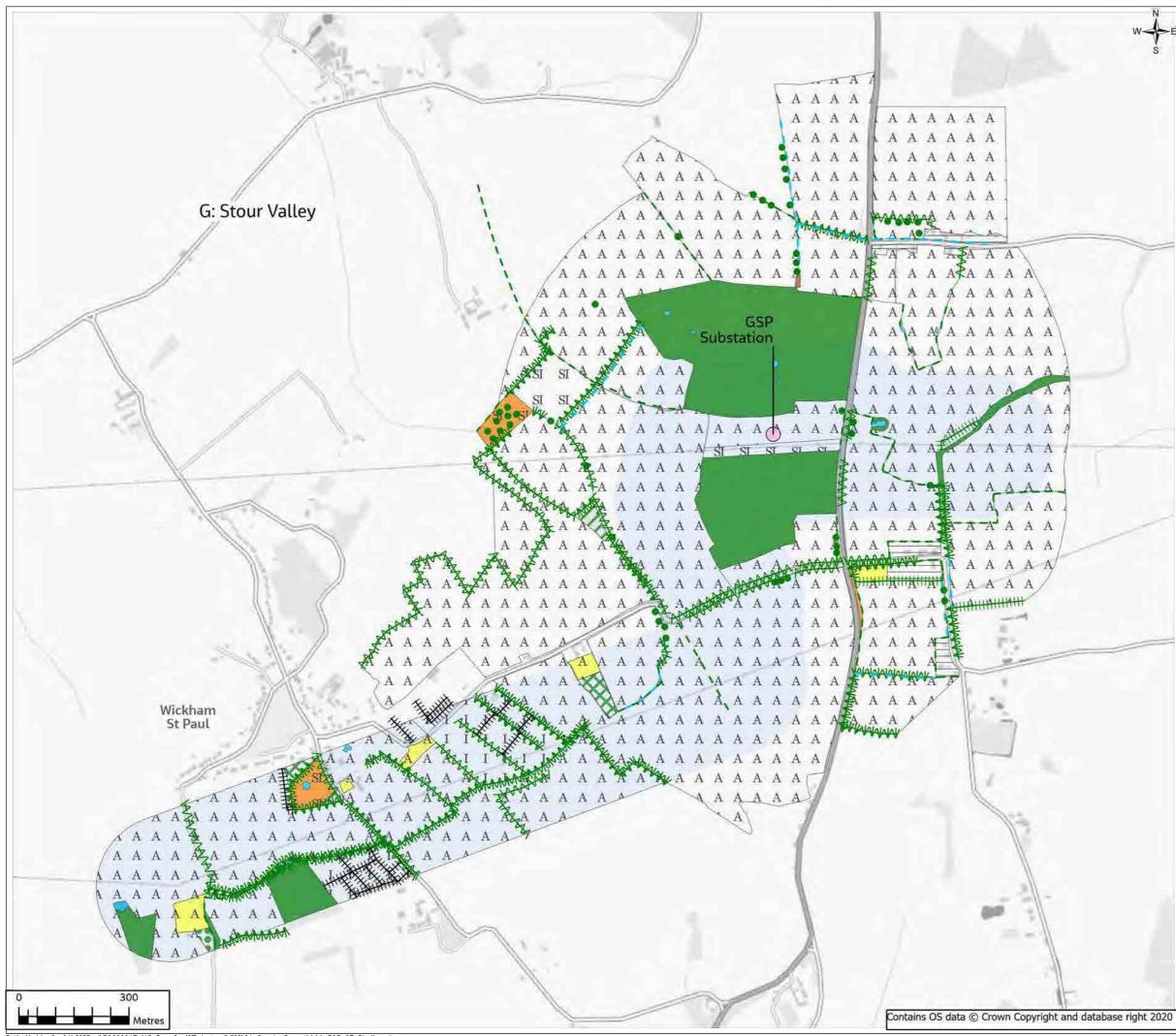


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	Plantation broad-leaved	J1.4 - Introduc	ed shrub
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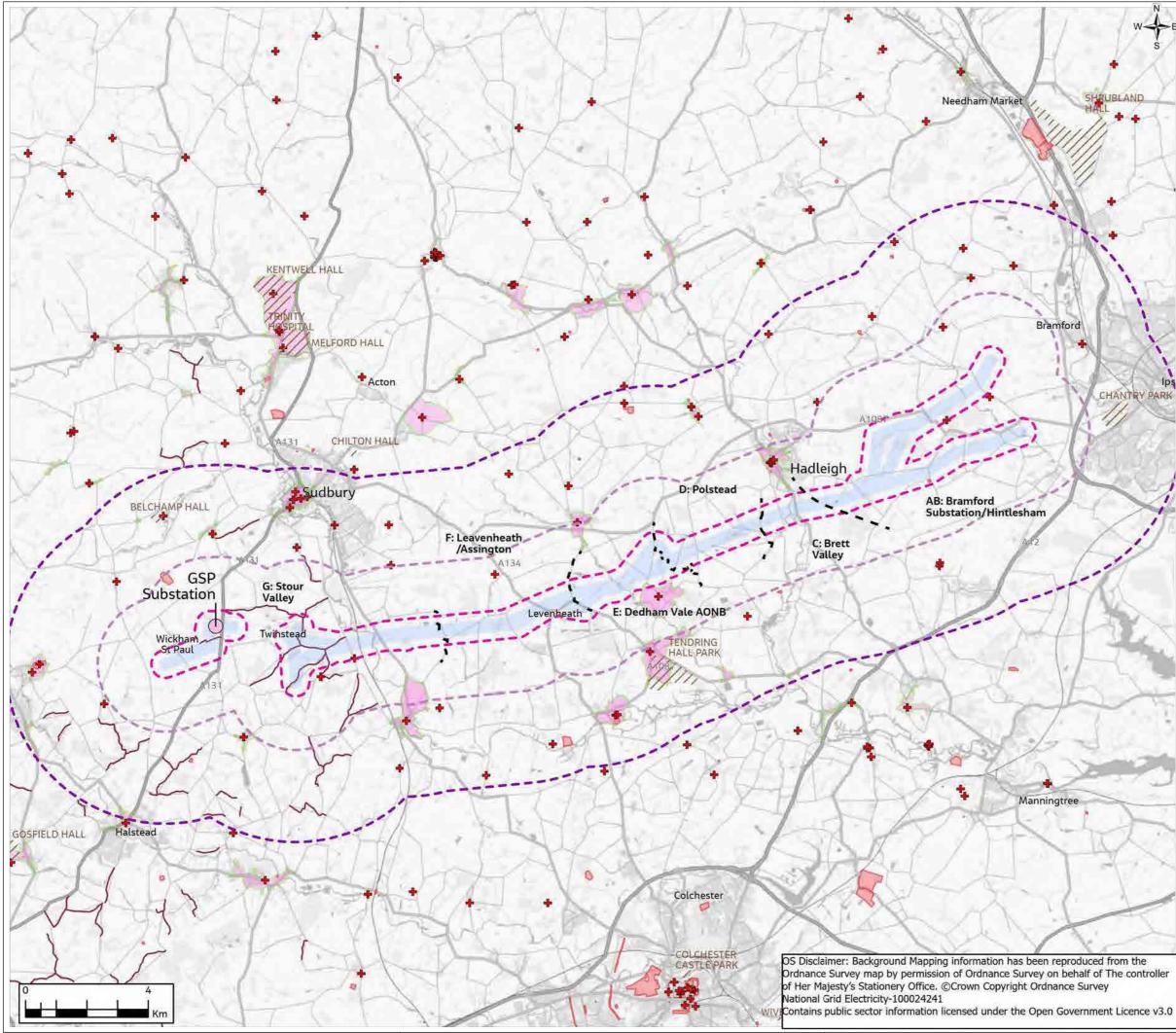
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FIGURE 7.4 Legend A1.1.1 - Semi-natural broad-leaved woodland Scoping Boundary Proposed Grid Supply Point (GSP) Substation A1.1.2 - Plantation broad-leaved A2.1 - Dense/continuous scrub A3.1 - Scattered broad-leaved tree A3.1 - Broad-leaved parkland/ scattered trees B2.2 - Semi-improved neutral grassland J2.11 - Native species-rich intact B2.3 - Species-rich modified neutral grassland - • J2.12 - Species-poor intact hedge J2.21 - Native species-rich defunct hedge B4 - Improved grassland B6 - Poor semi-improved grassland J2.22 - Species-poor defunct hedge C1.1 - Continuous bracken J2.31 - Native species-rich hedge and trees G1 - Standing water J1.1 - Arable J2.32 - Species-poor hedge and trees J1.2 - Amenity grassland HH J2.4 - Fence J37 - Track J2.6 - Dry ditch

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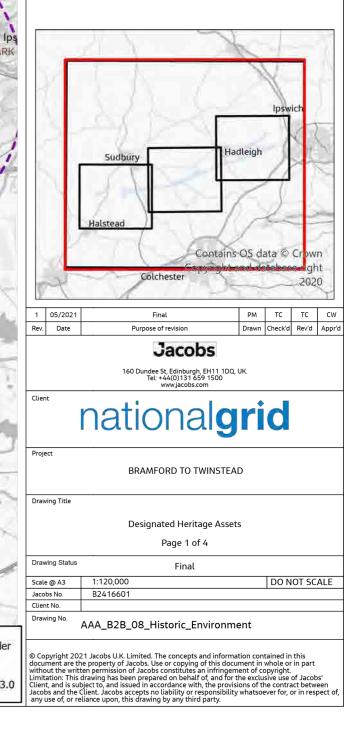
Figure 7.5: Biodiversity Baseline for Selected Receptors (CONFIDENTIAL)

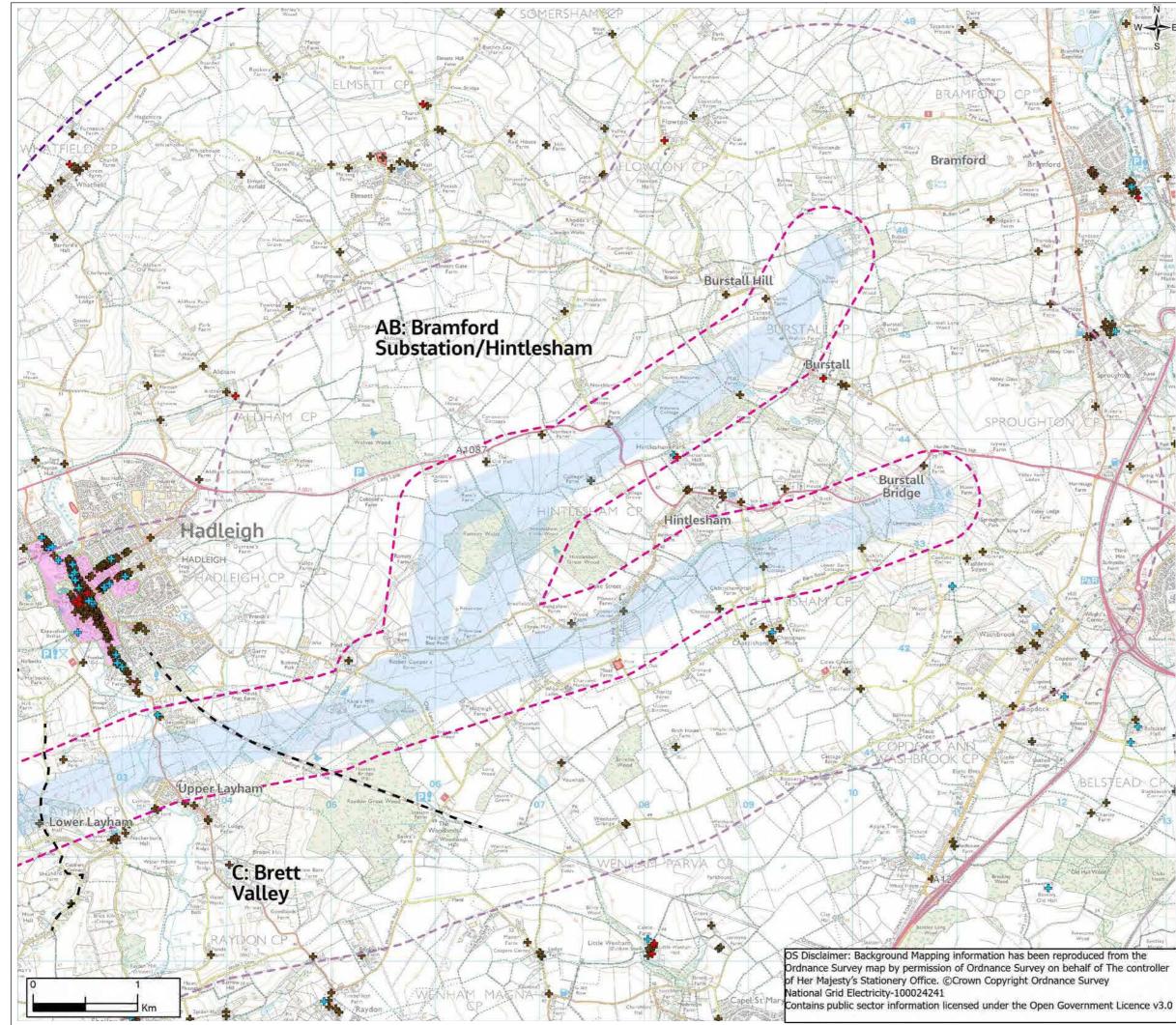
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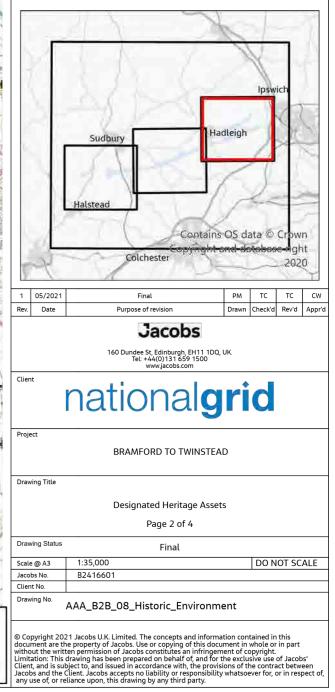
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- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Distance marker (250m)
- 📑 Distance marker (2km)
- Wider study area (5km)
 - Protected Lanes
- Conservation Areas
- Registered Parks and Gardens
- Scheduled Monuments
- + Grade I Listed Buildings

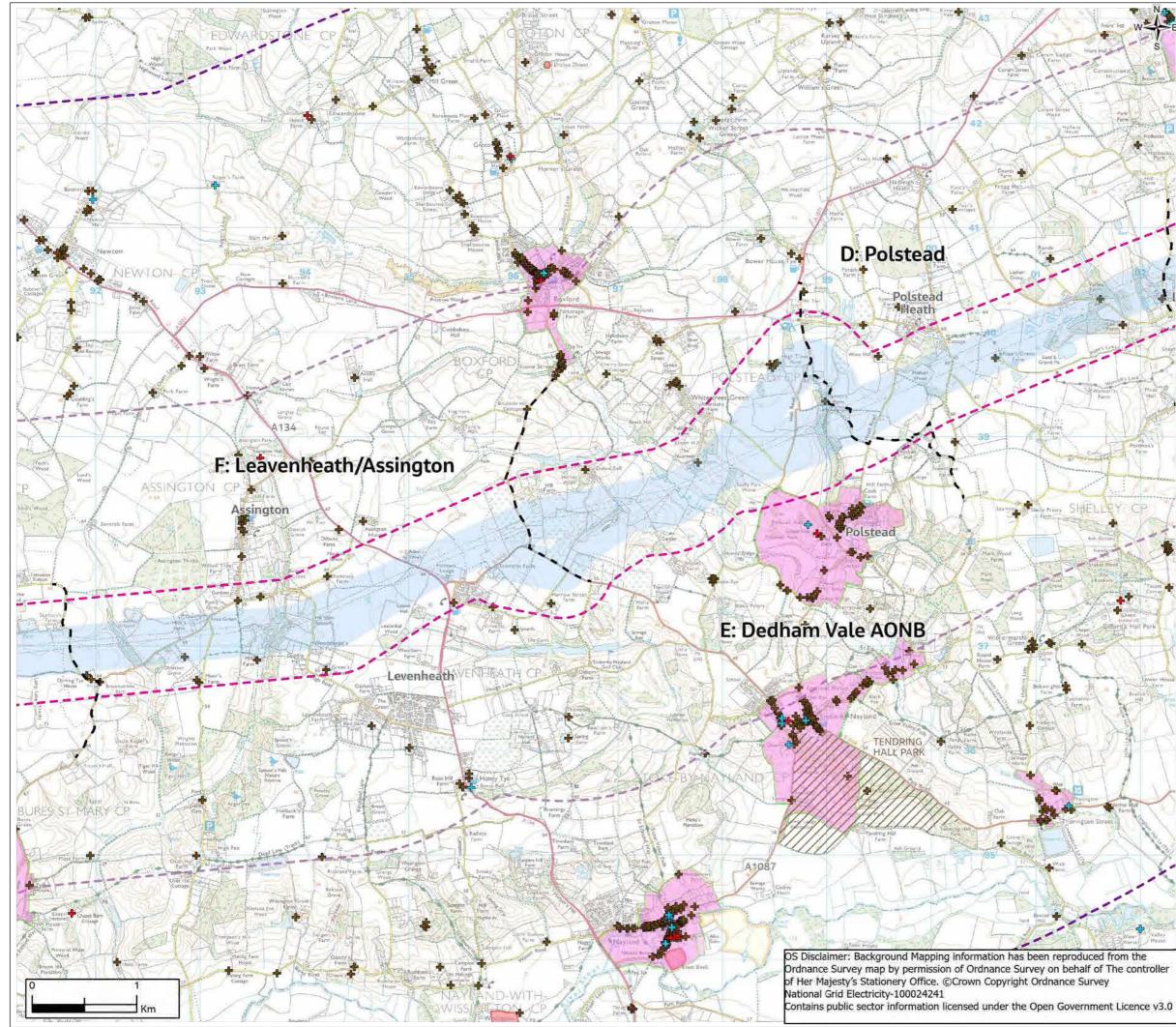




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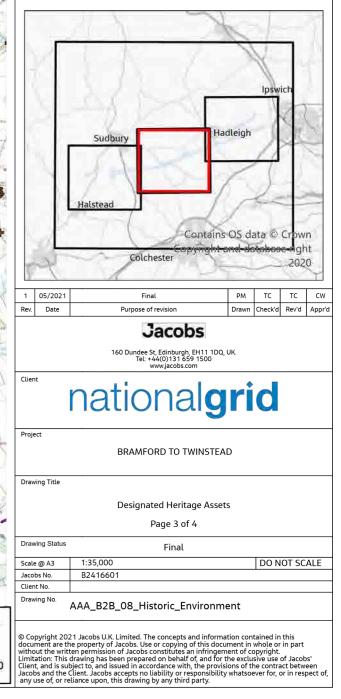
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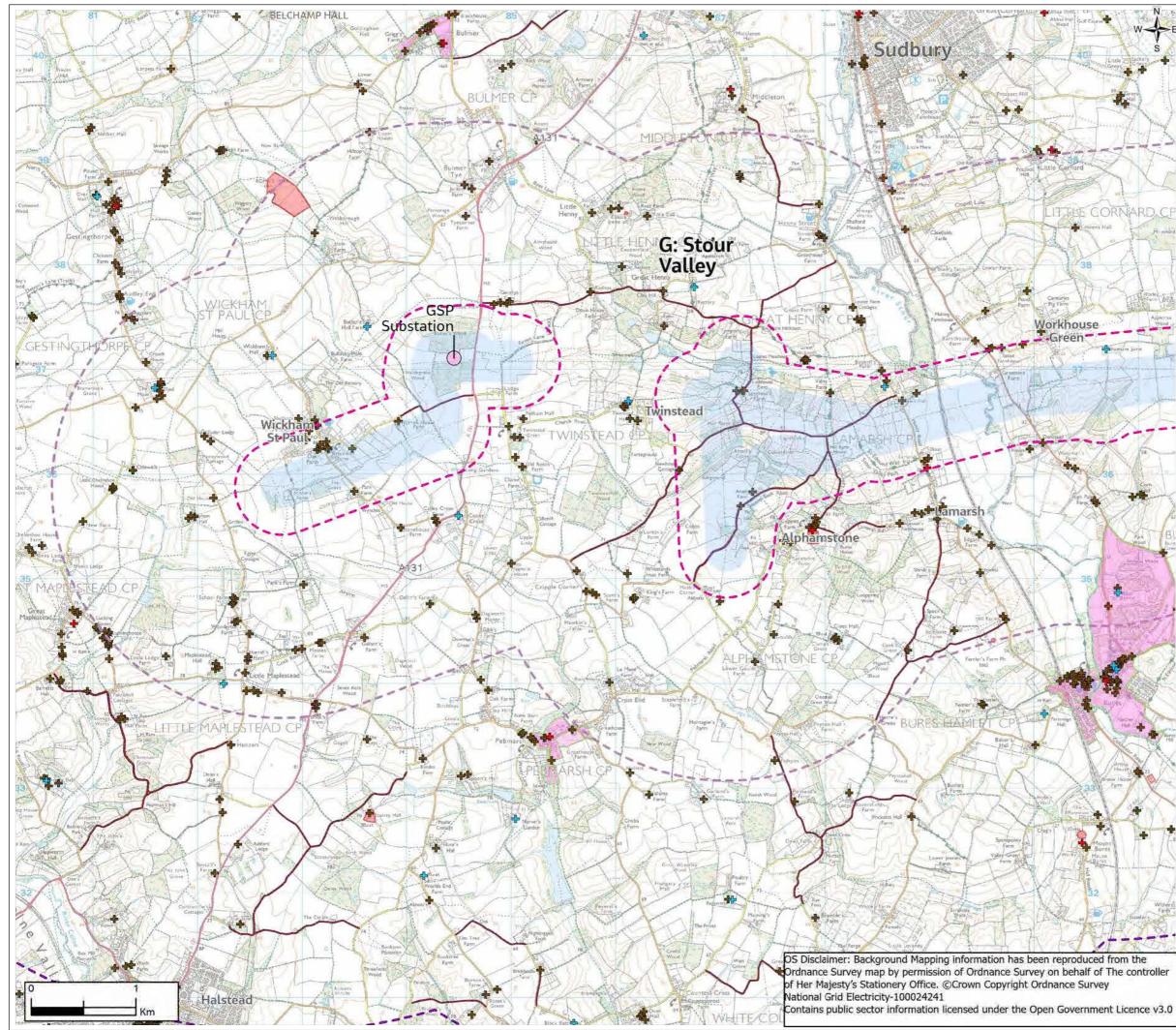




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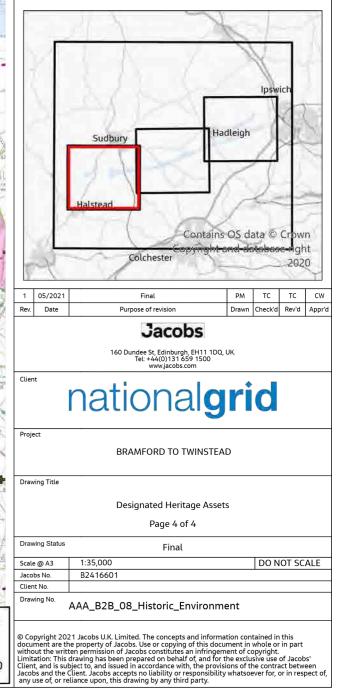
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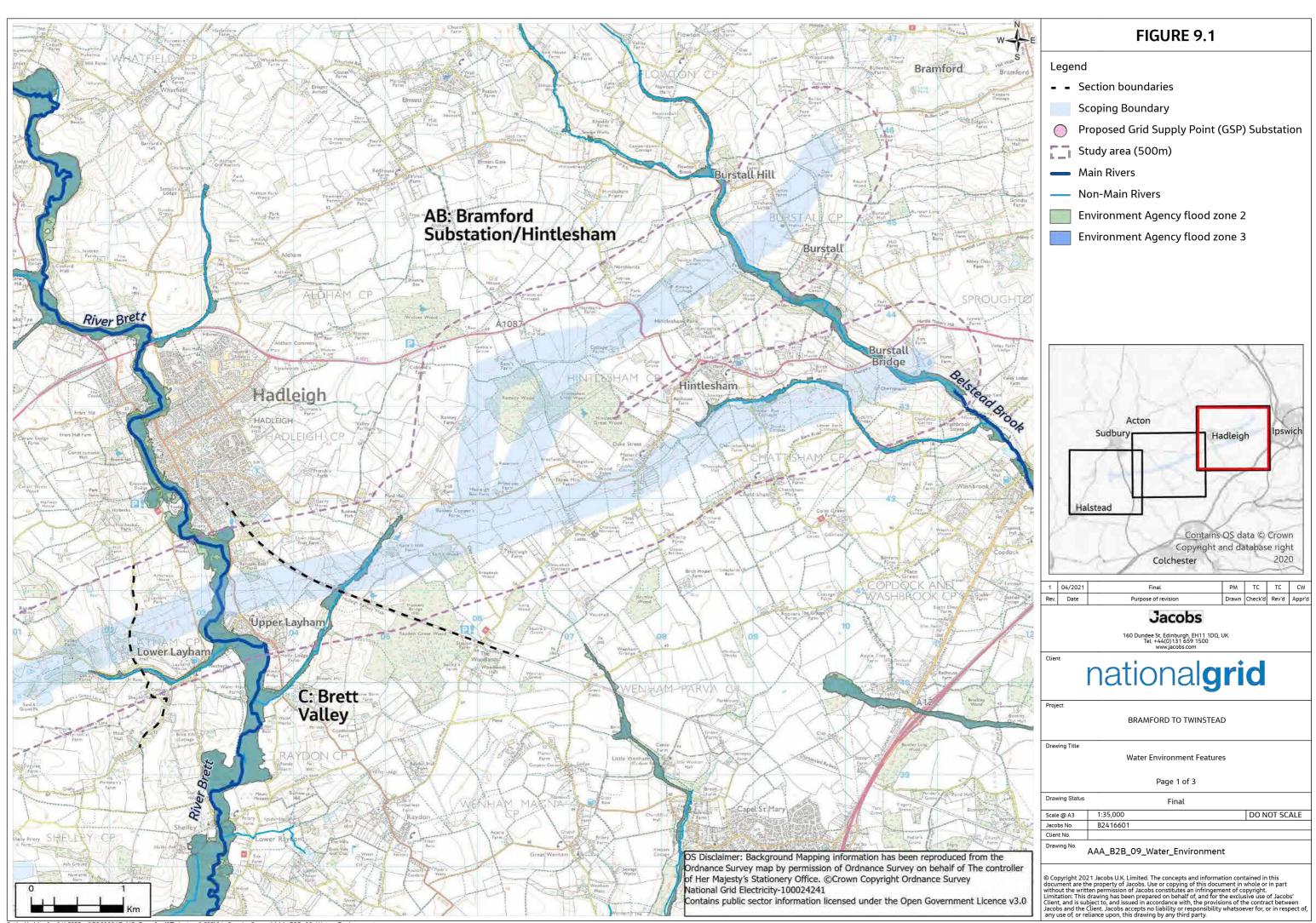




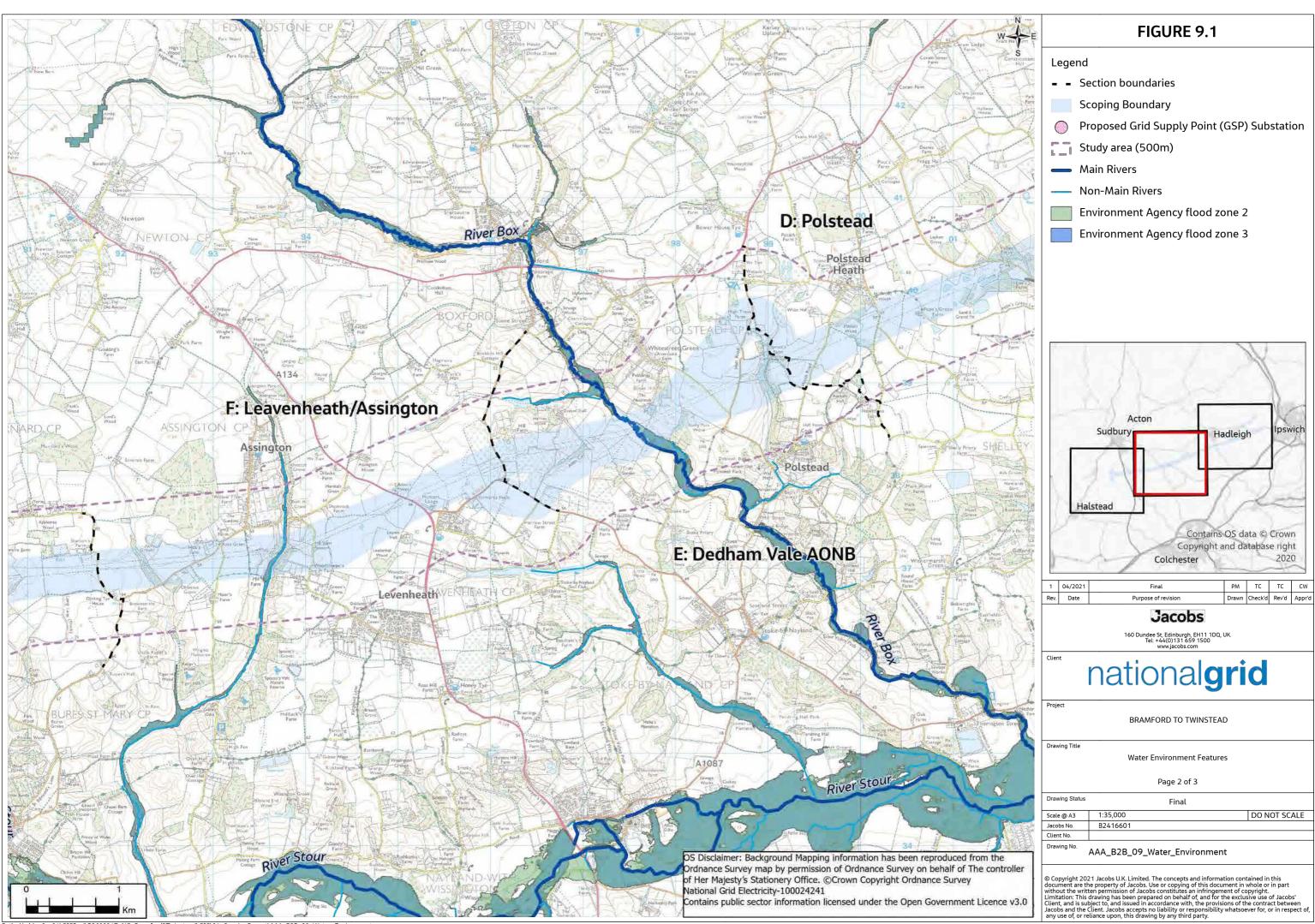
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- 🕂 Grade II* Listed Buildings
- + Grade II Listed Buildings

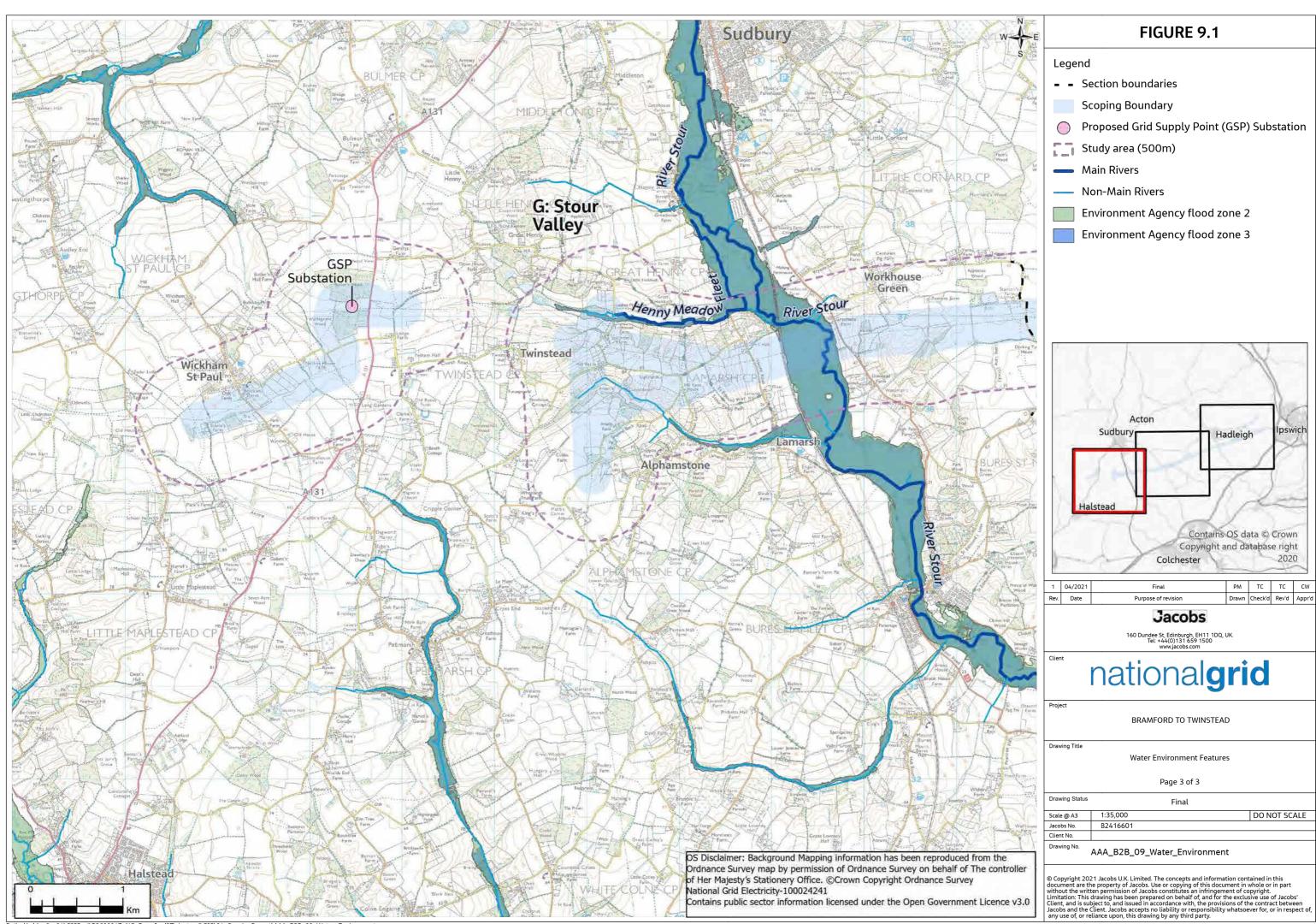




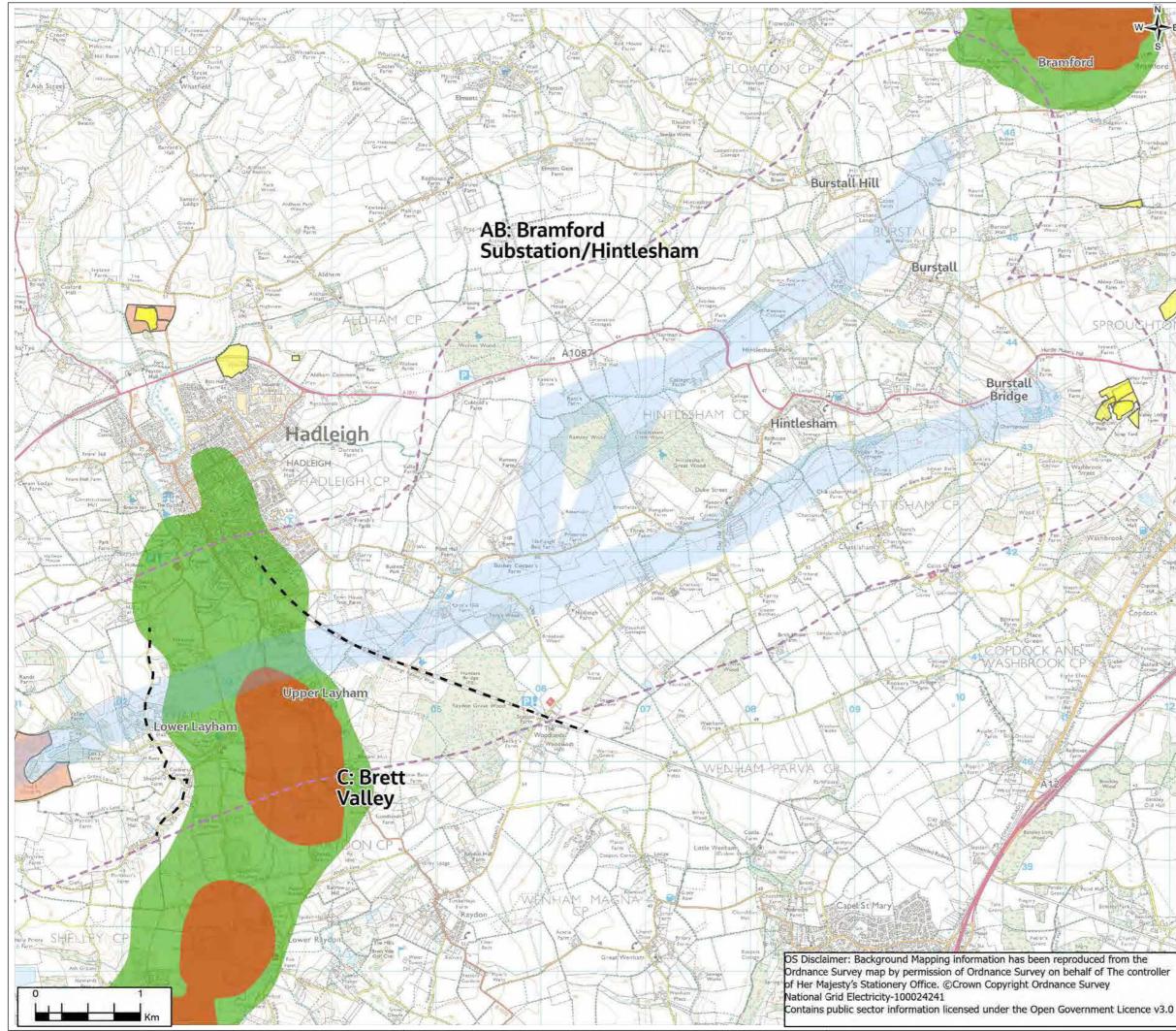
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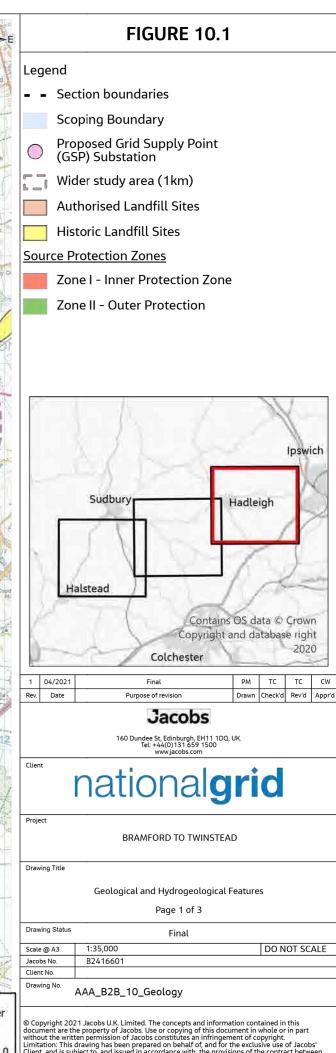
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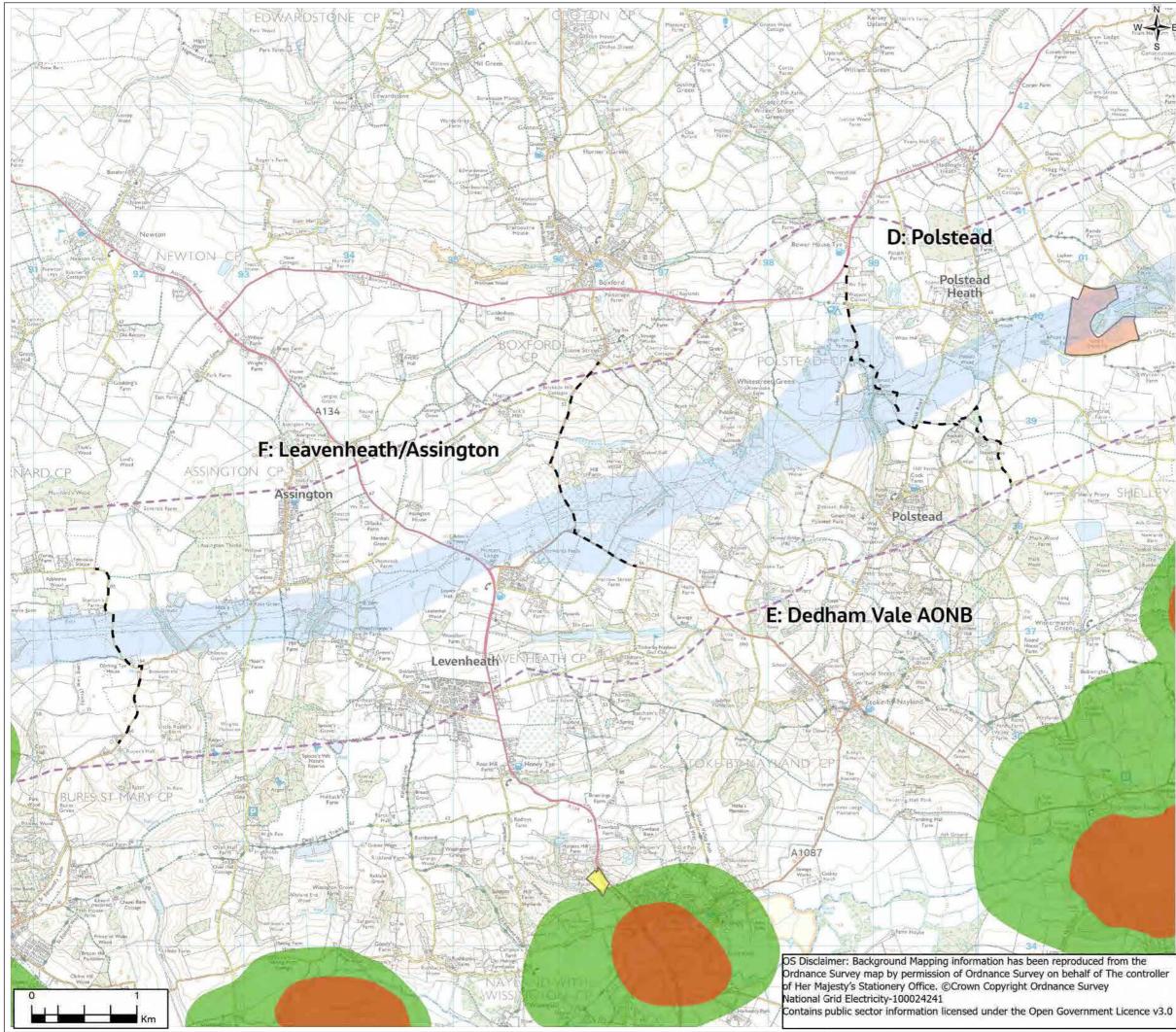
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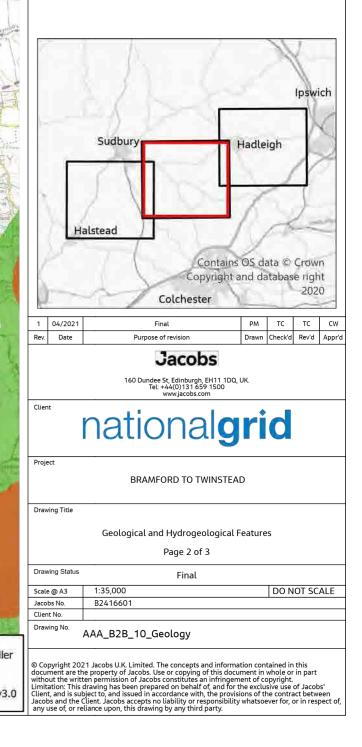
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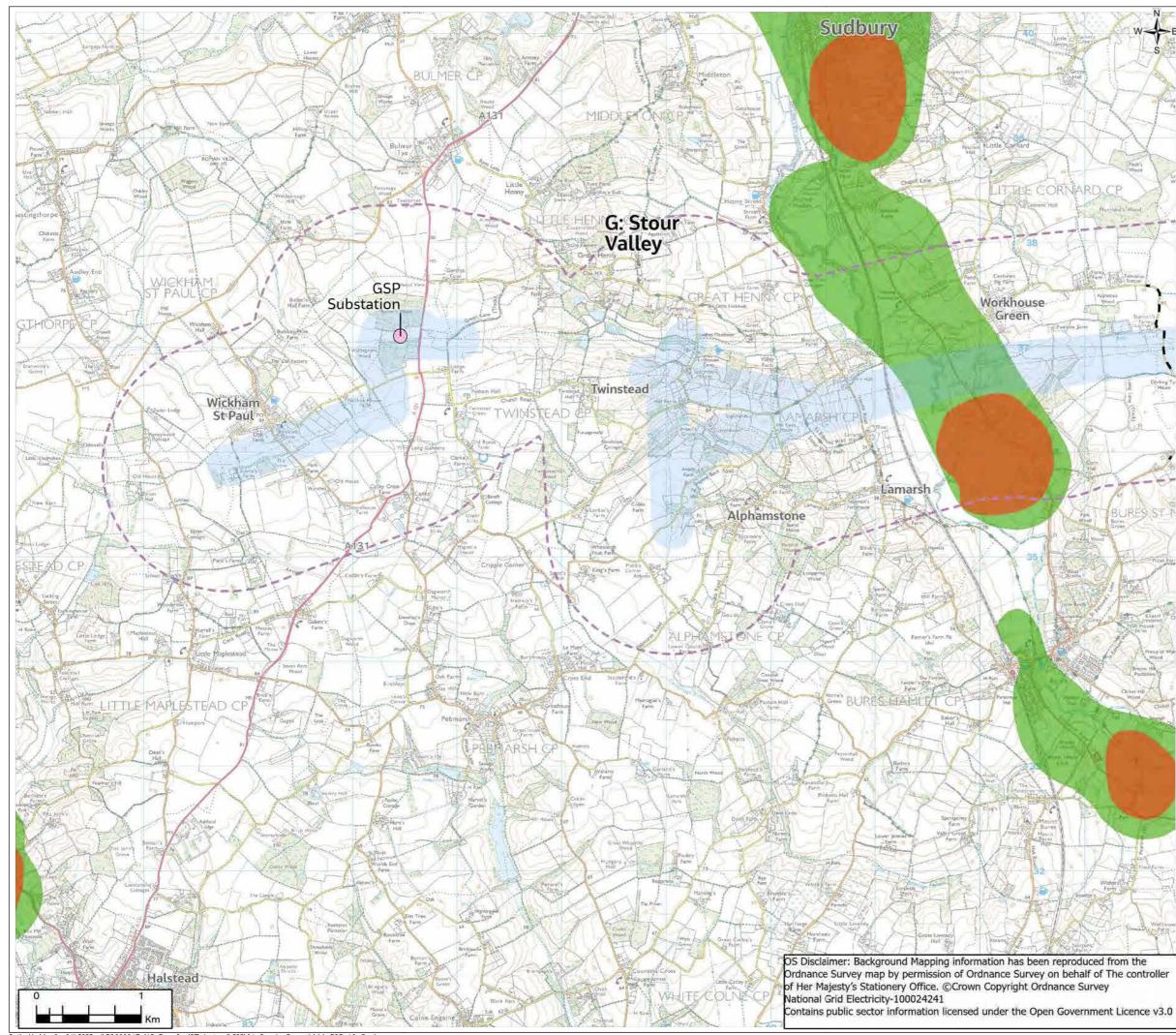


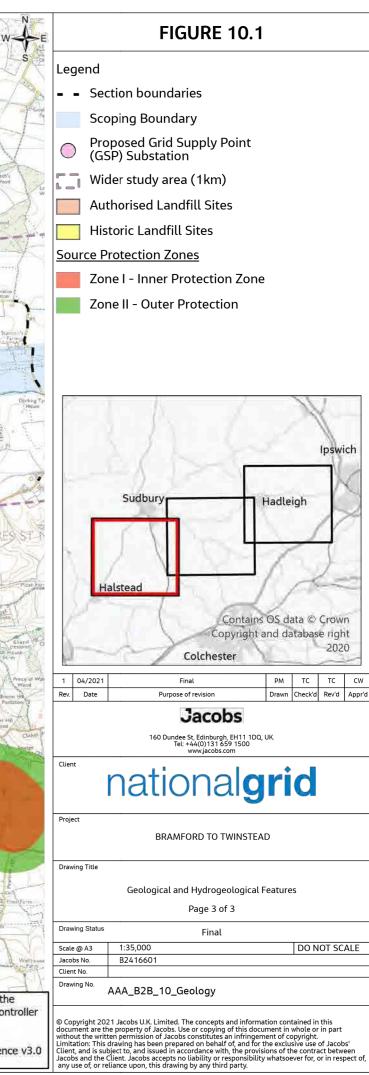
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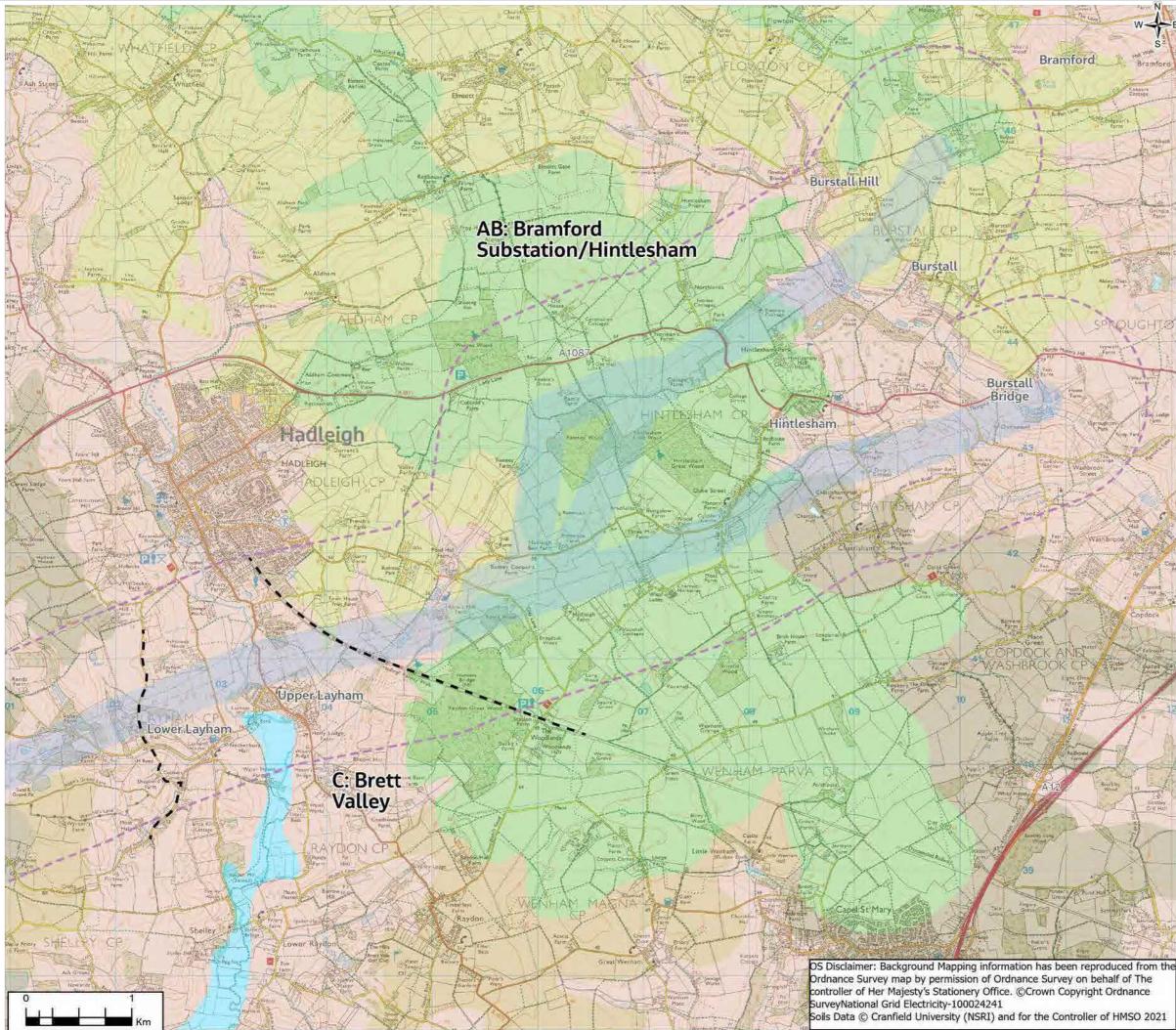
FIGURE 10.1

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Wider study area (1km)
- Authorised Landfill Sites
- Historic Landfill Sites
- Source Protection Zones
 - Zone I Inner Protection Zone
 - Zone II Outer Protection









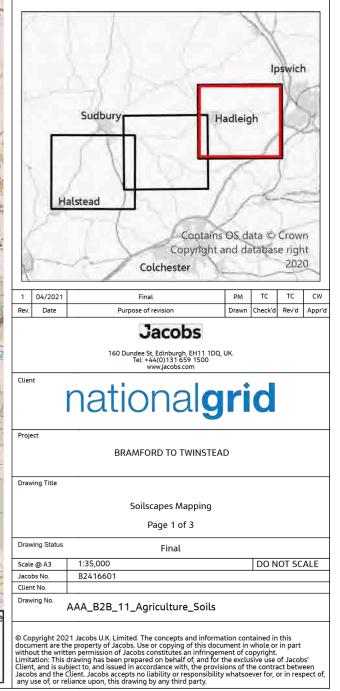
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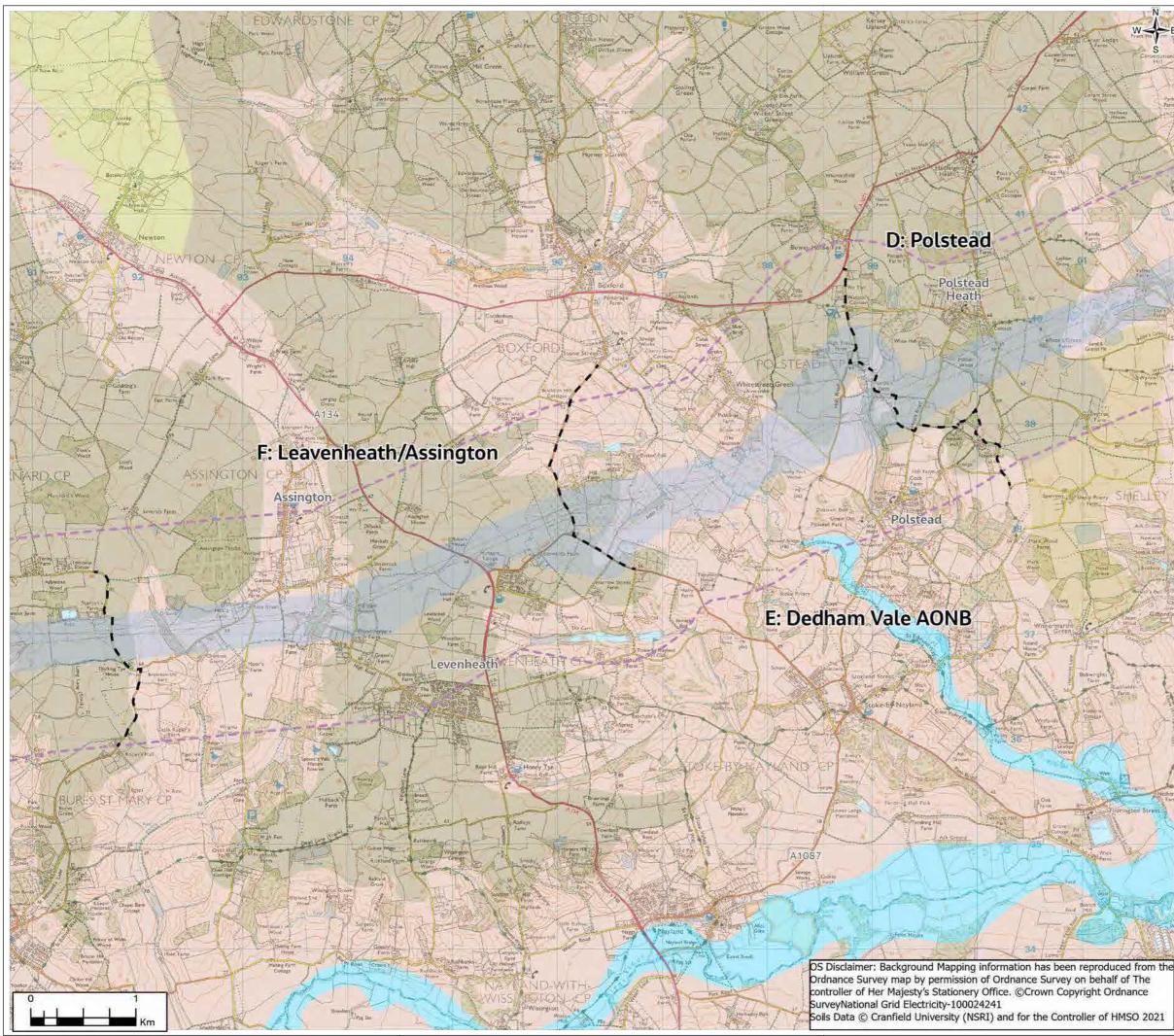
Legend

- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation \bigcirc
- 💶 🔄 Study area (1km)

<u>Soilscapes</u>

- Freely draining slighty acid loamy soils
- Lime-rich loamy and clayey soils with impeded drainage
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet slighty acid but base-rich loamy and clayey soils
- Freely draining slightly acid but base-rich soils
- Loamy and clayey floodplain soils with naturally high groundwater
- Water





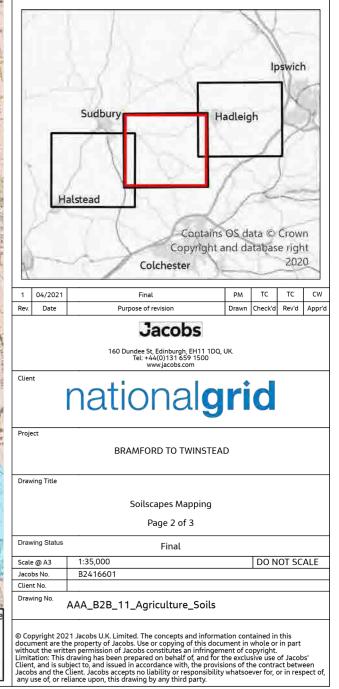
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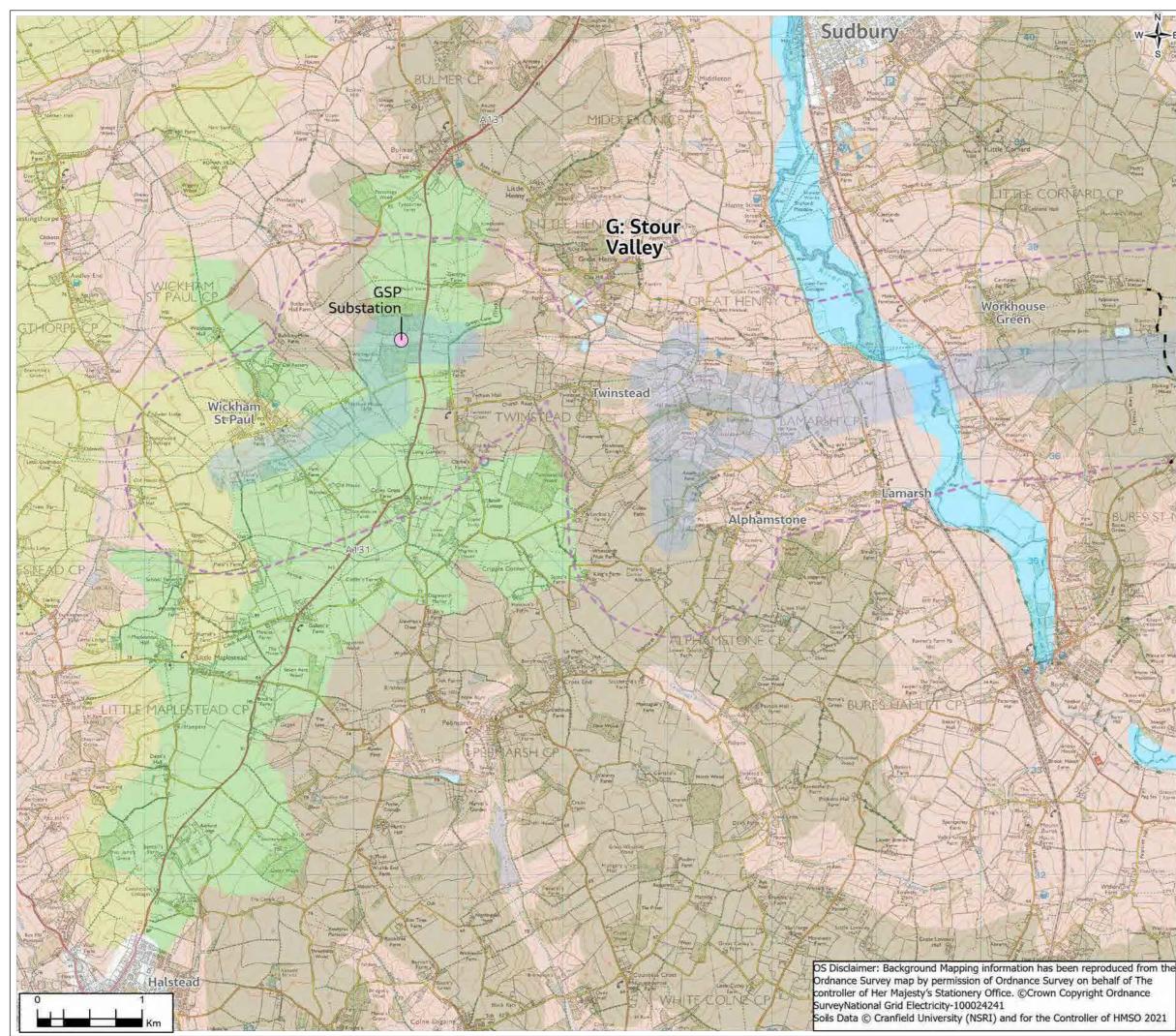
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- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- 💶 🔄 Study area (1km)

<u>Soilscapes</u>

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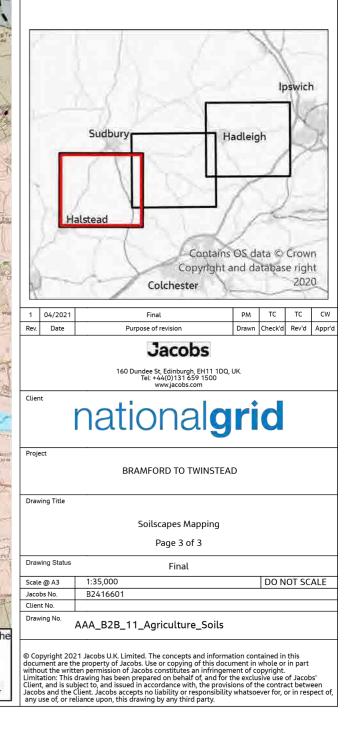


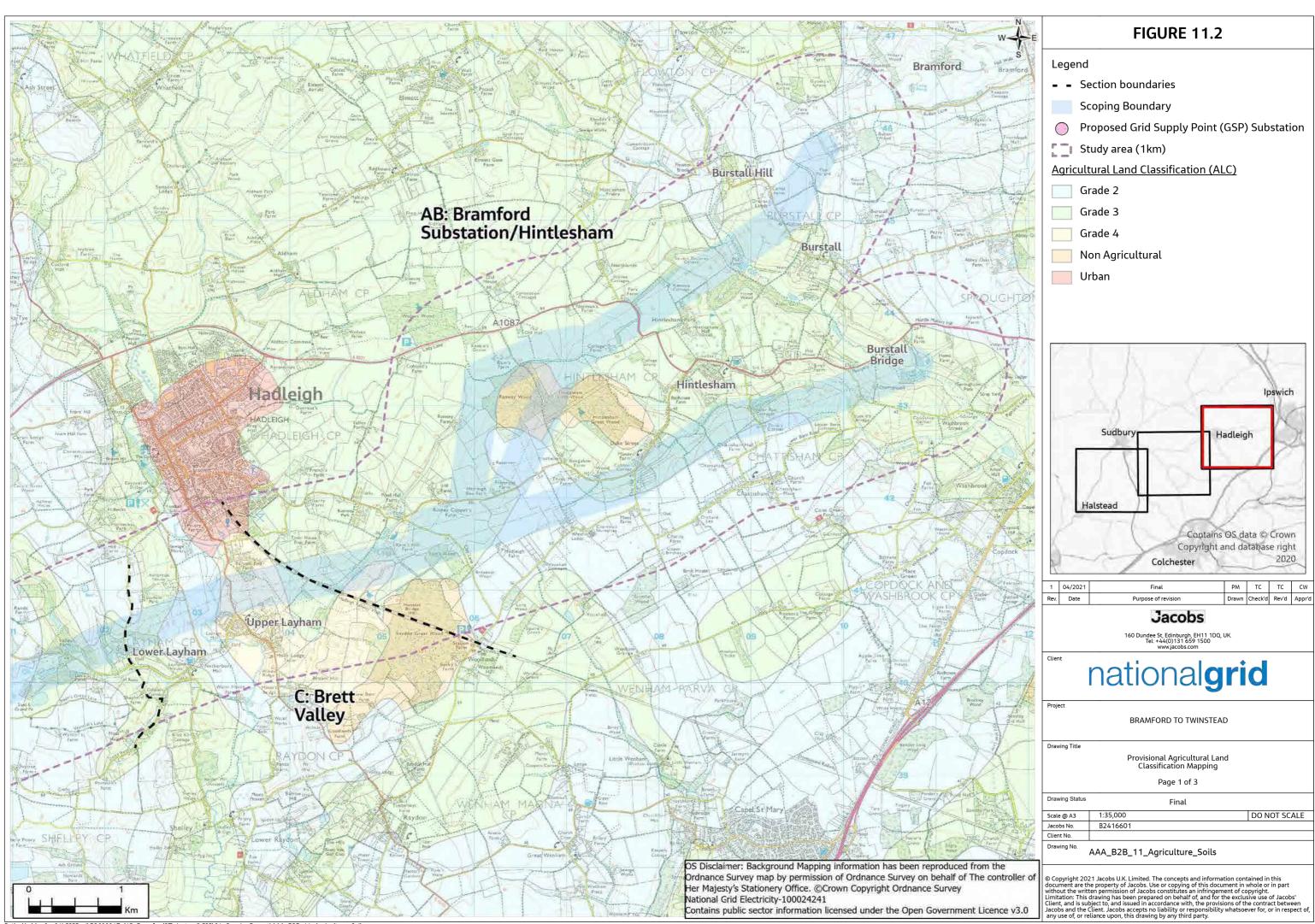
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- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- \llbracket 📱 Study area (1km)

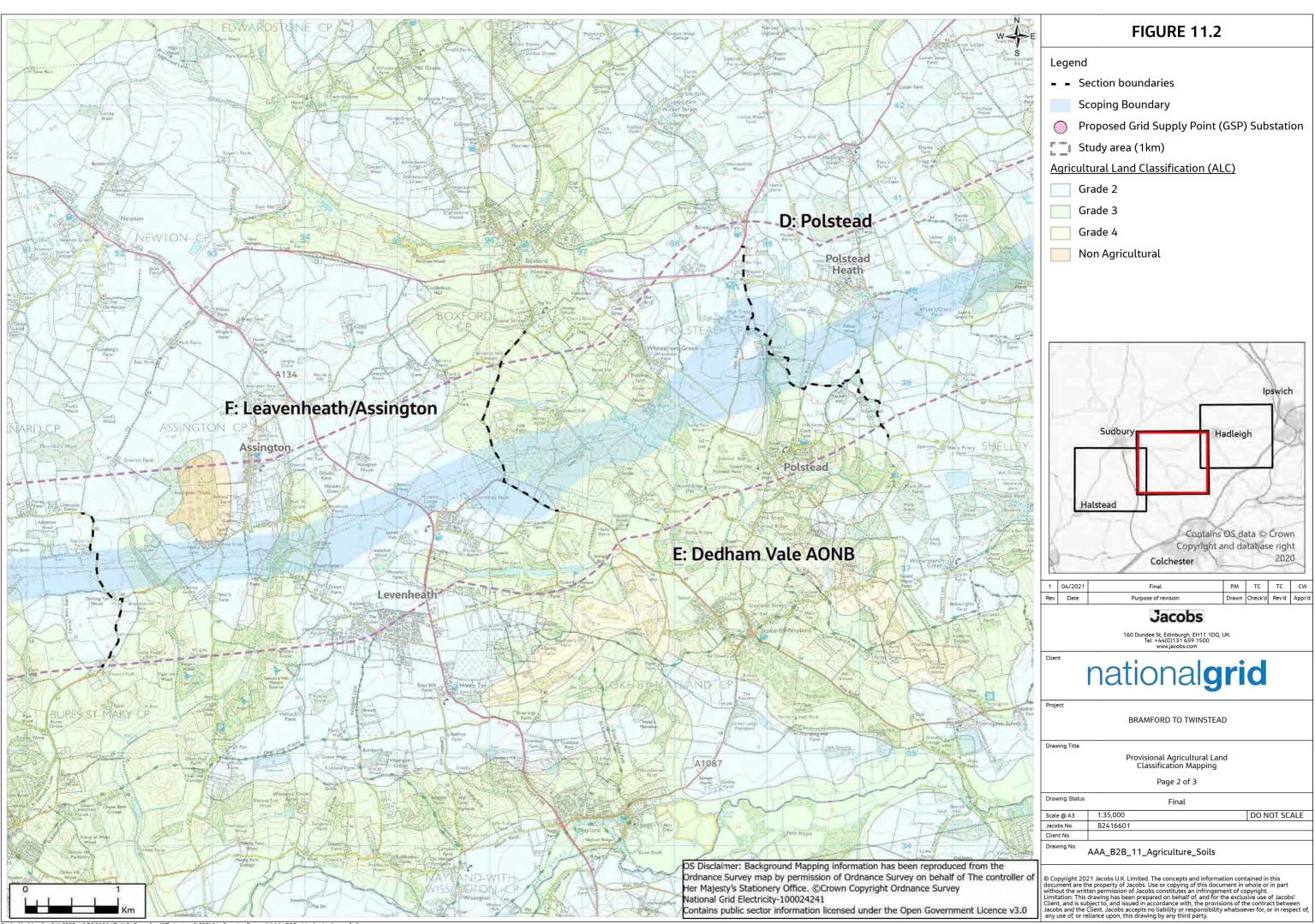
<u>Soilscapes</u>

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- Loamy and clayey floodplain soils with naturally high groundwater
- Water

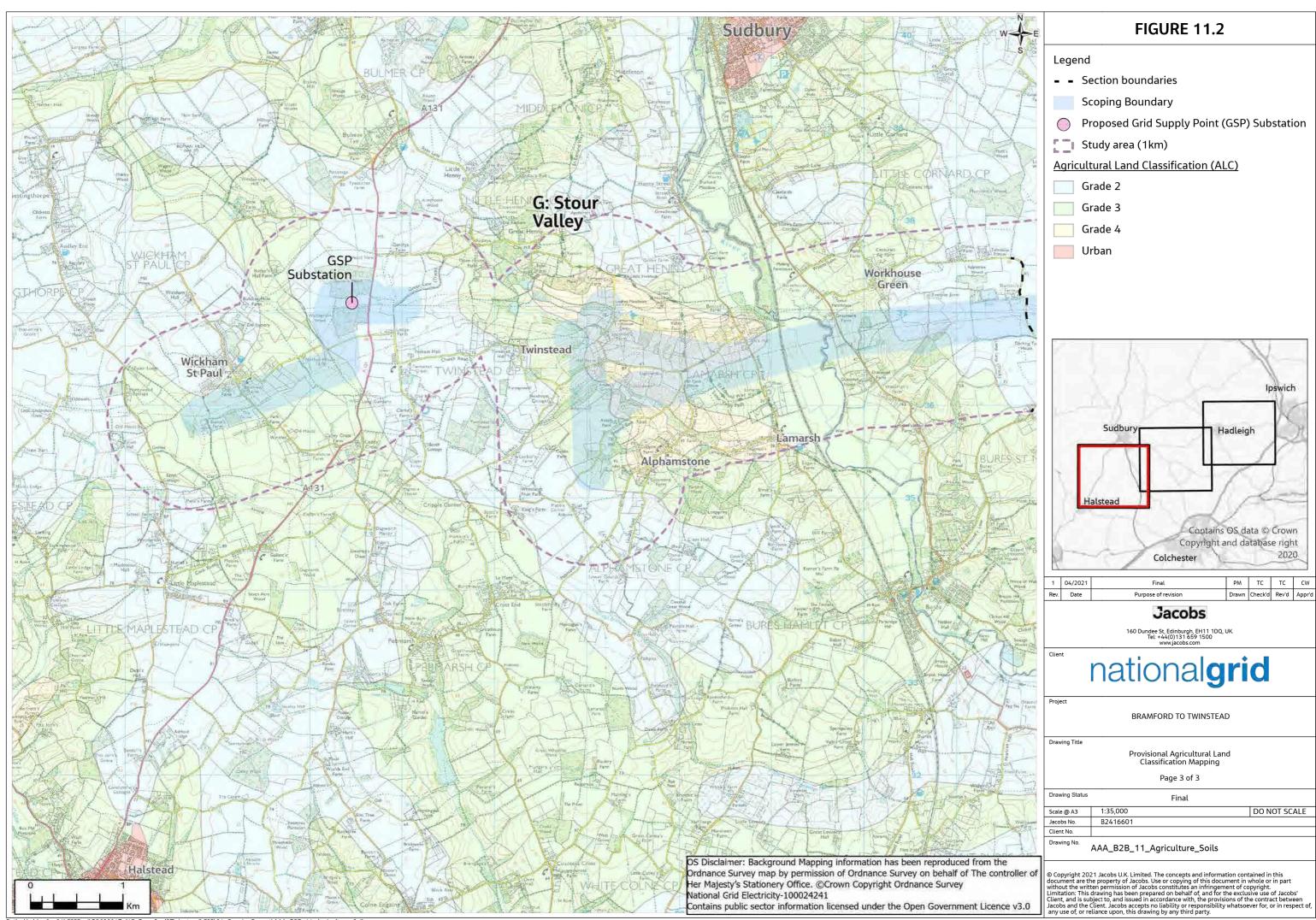


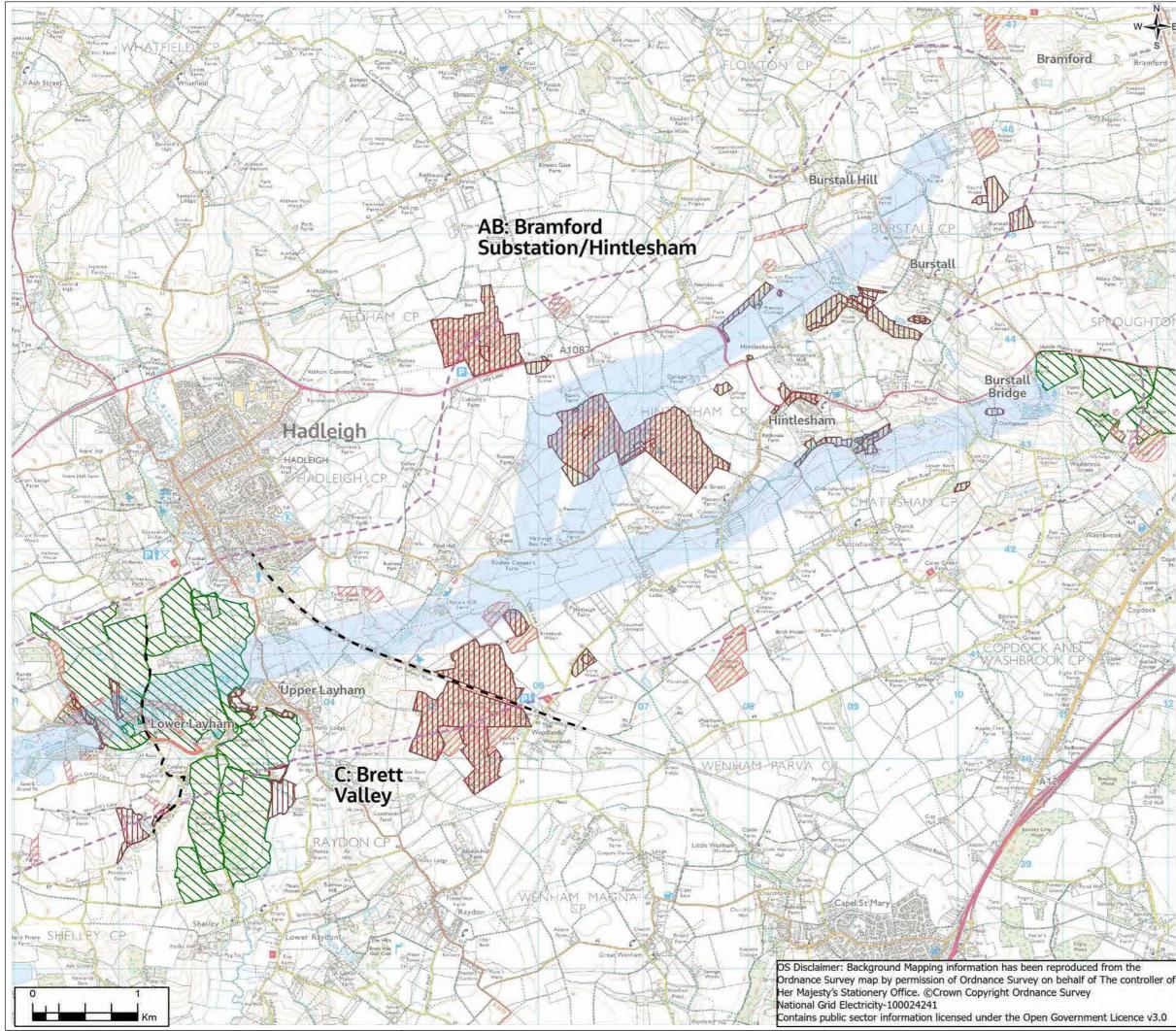


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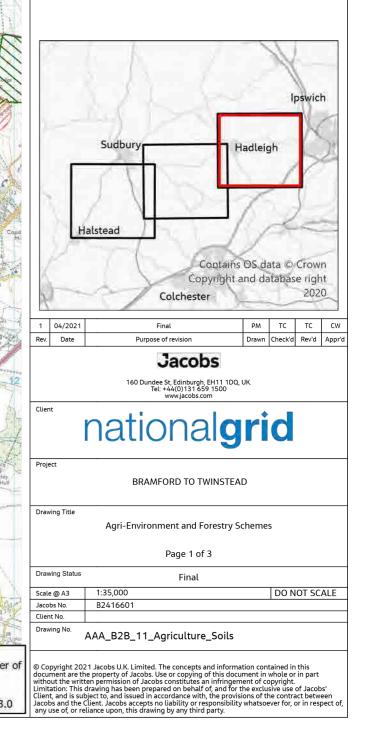
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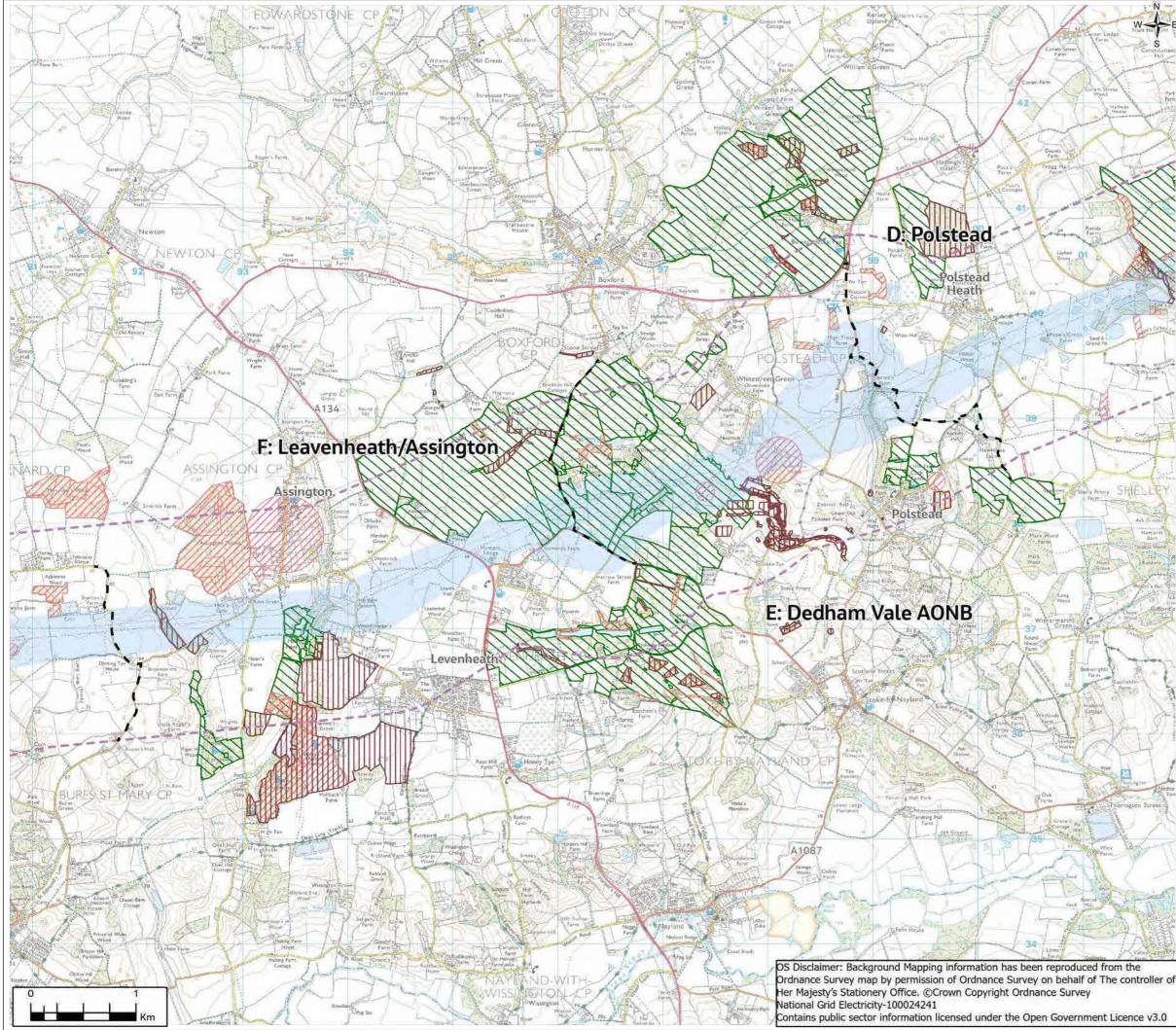




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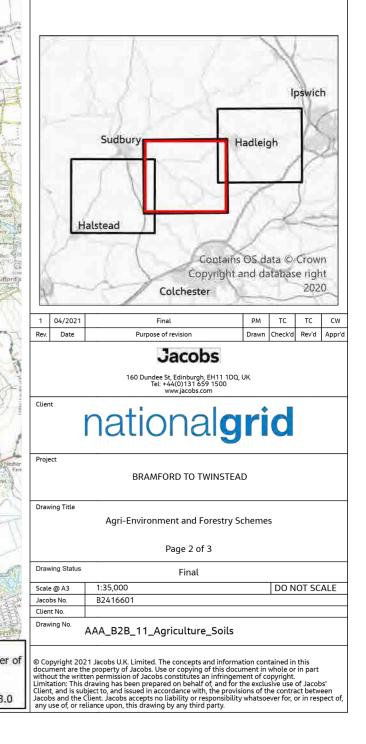
- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Study area (1km)
- Felling licence applications
- Woodland grant schemes
- Environmental stewardship agreements
- Entry level plus higher level stewardship

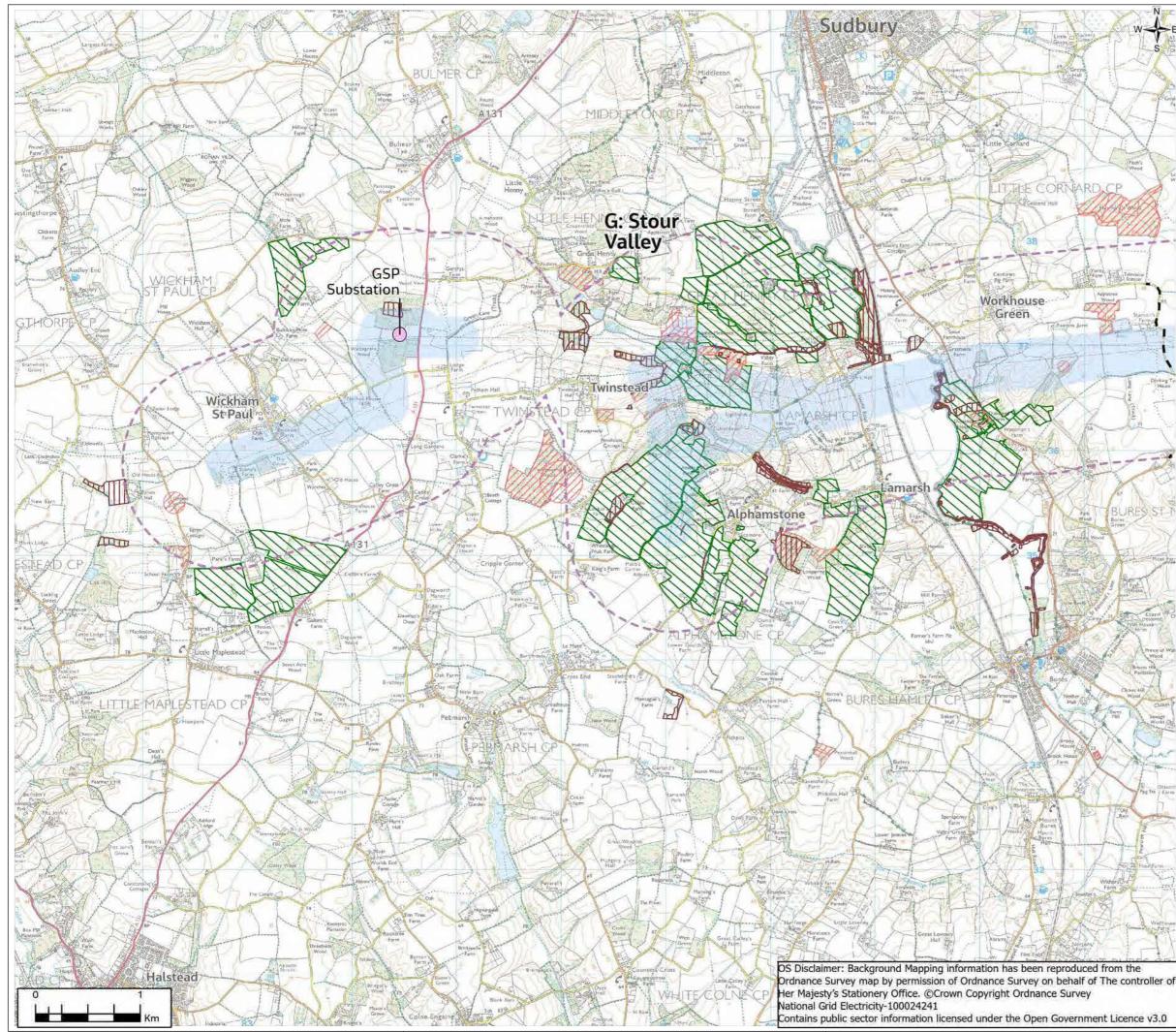




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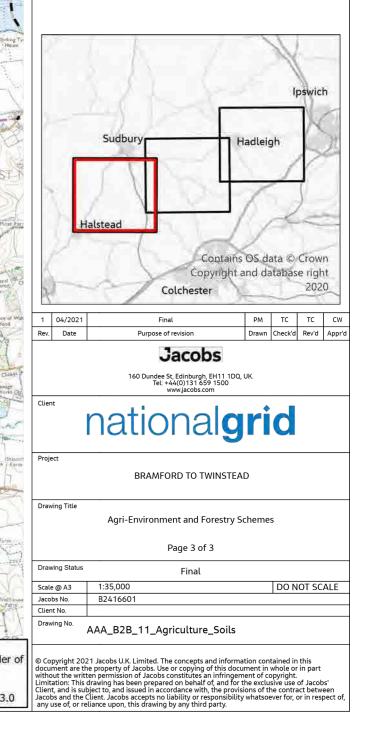
- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Study area (1km)
- Felling licence applications
- Woodland grant schemes
- Environmental stewardship agreements
- Entry level plus higher level stewardship

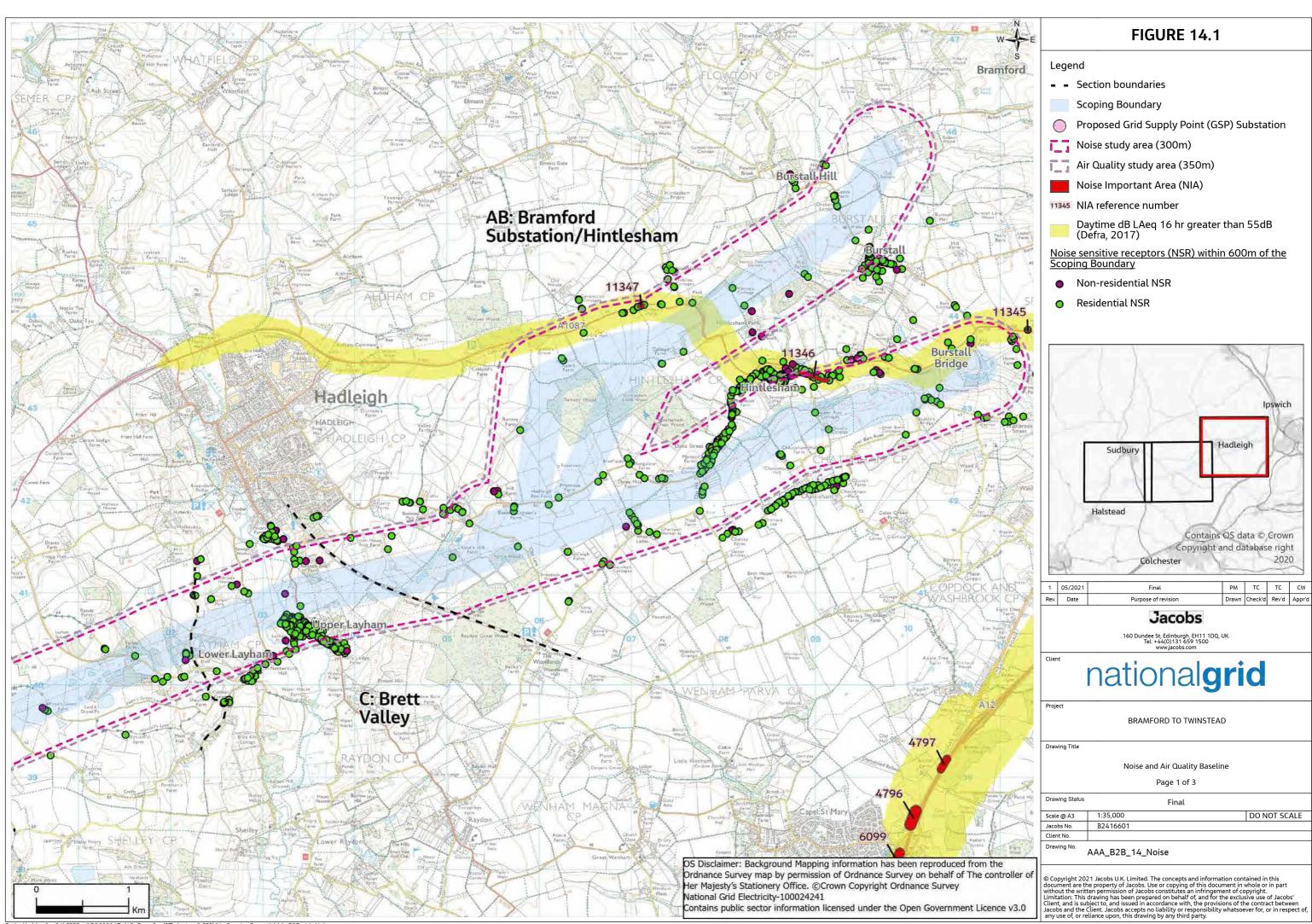




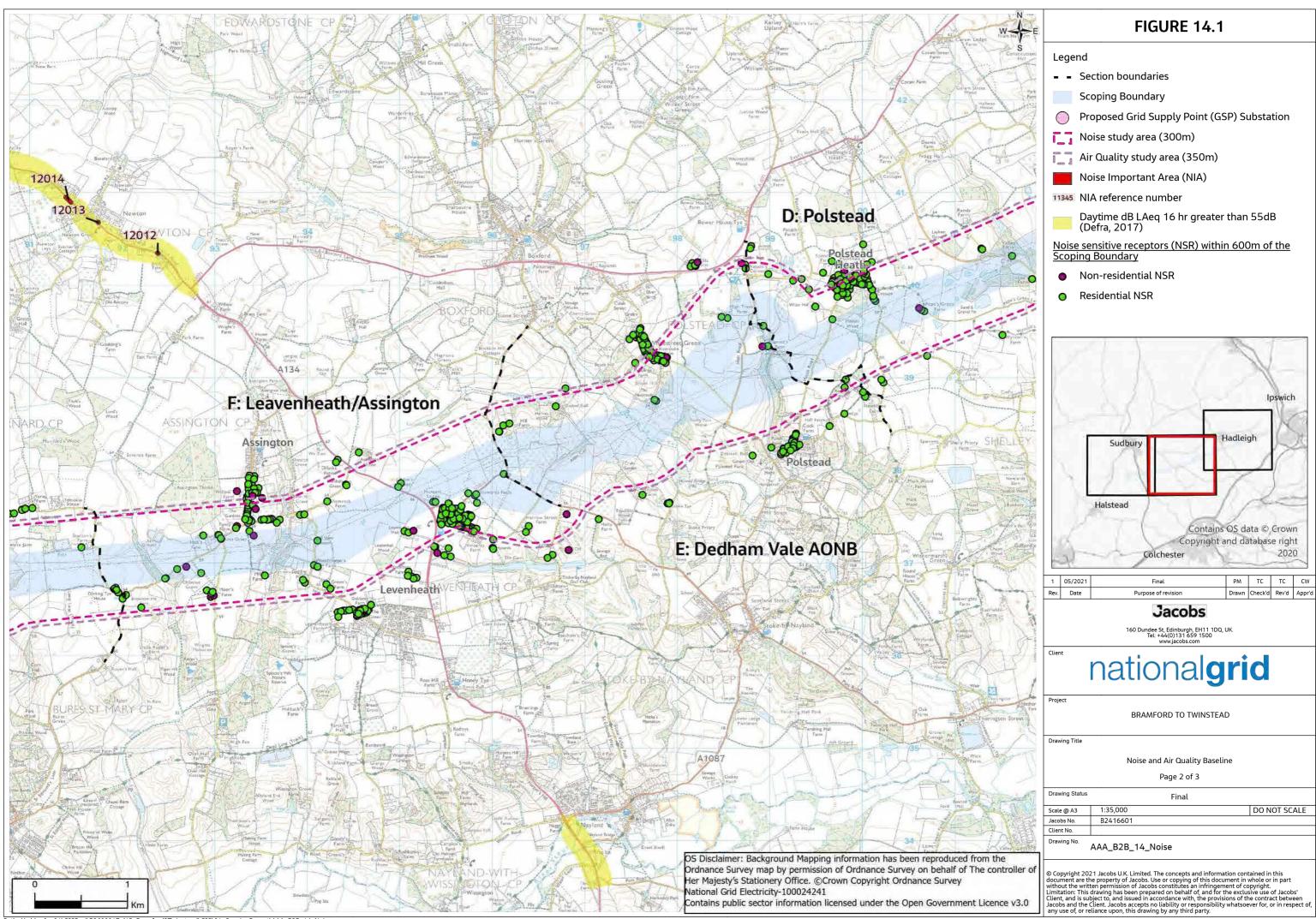
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- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Study area (1km)
- Felling licence applications
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- Entry level plus higher level stewardship

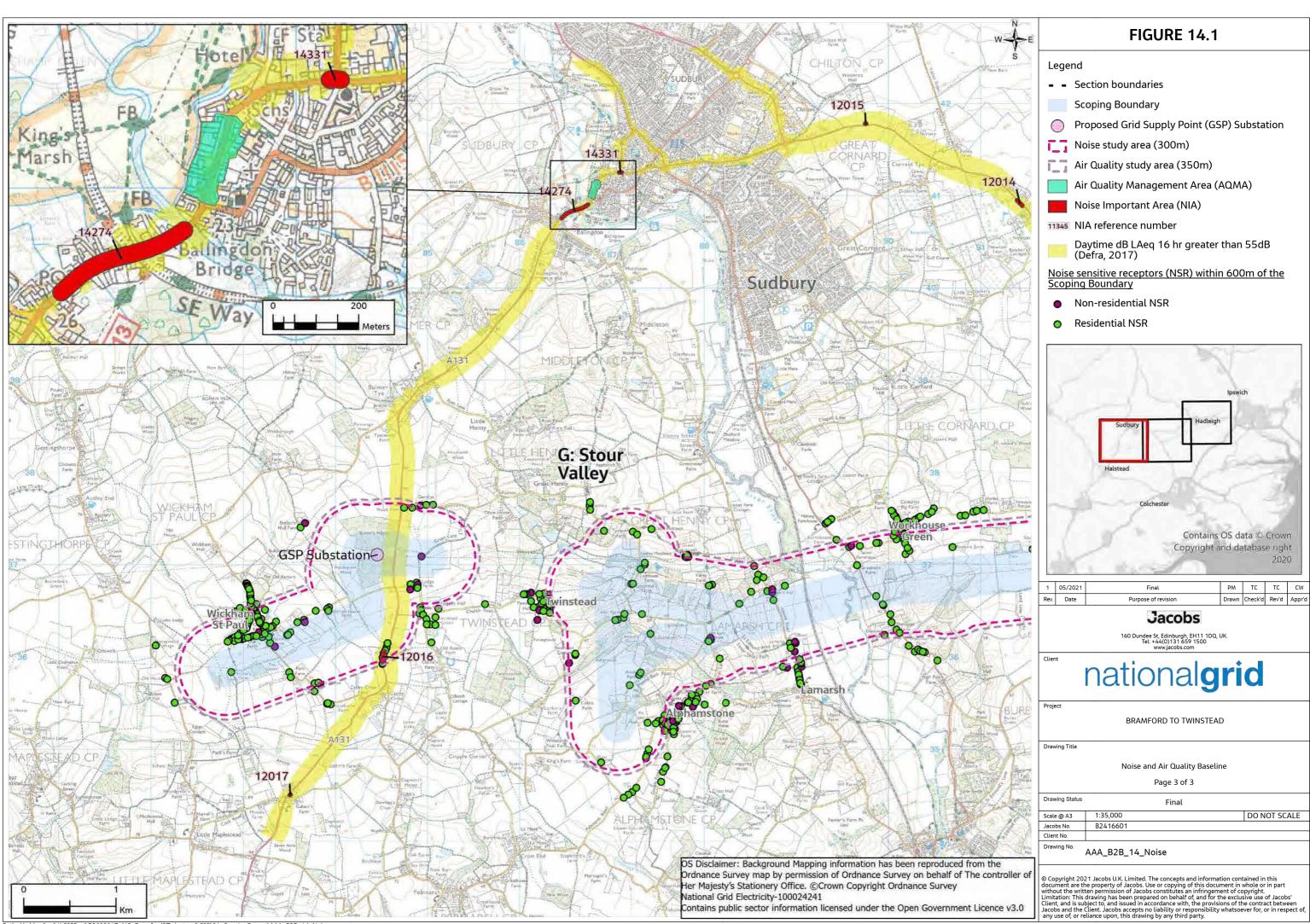




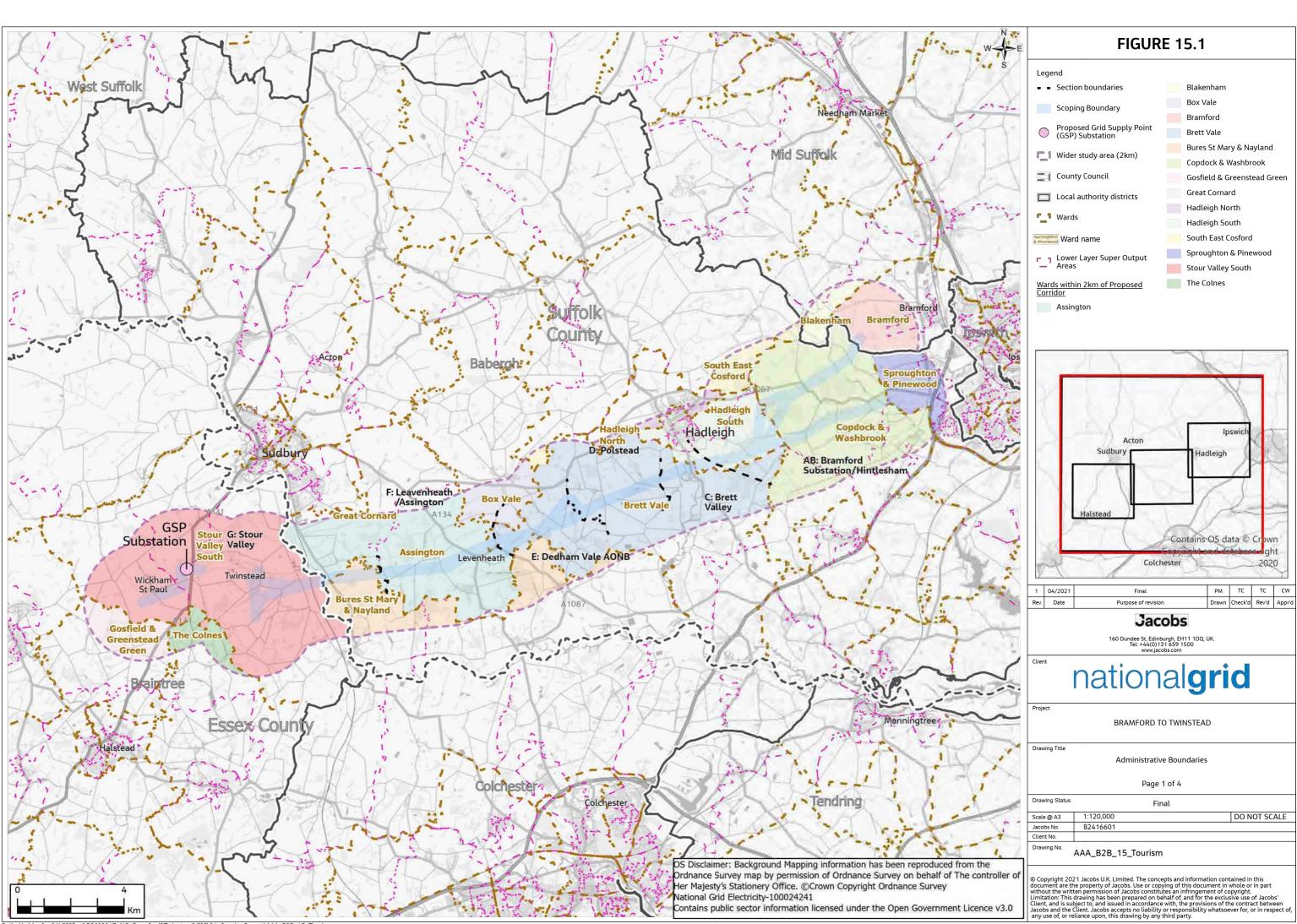
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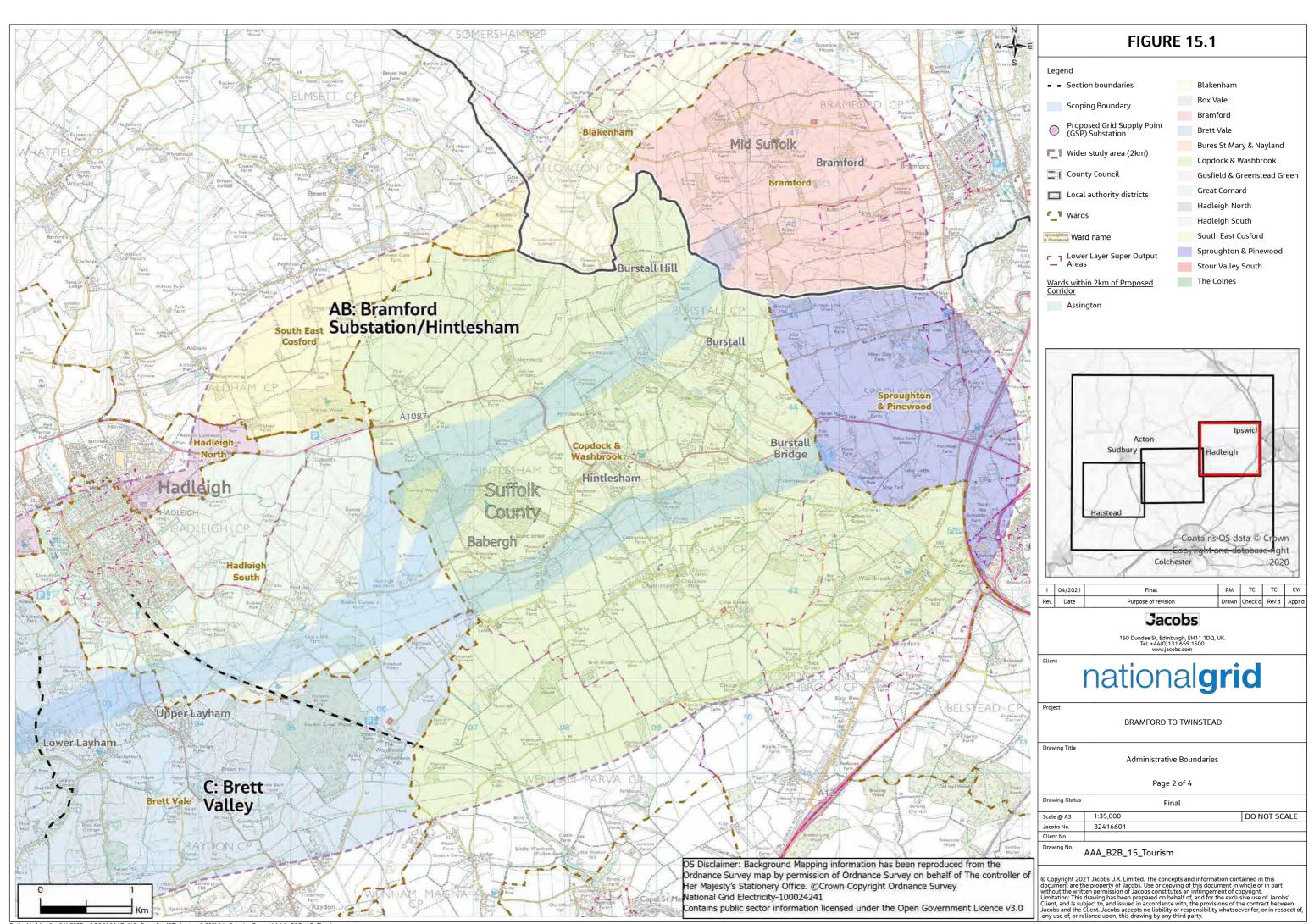


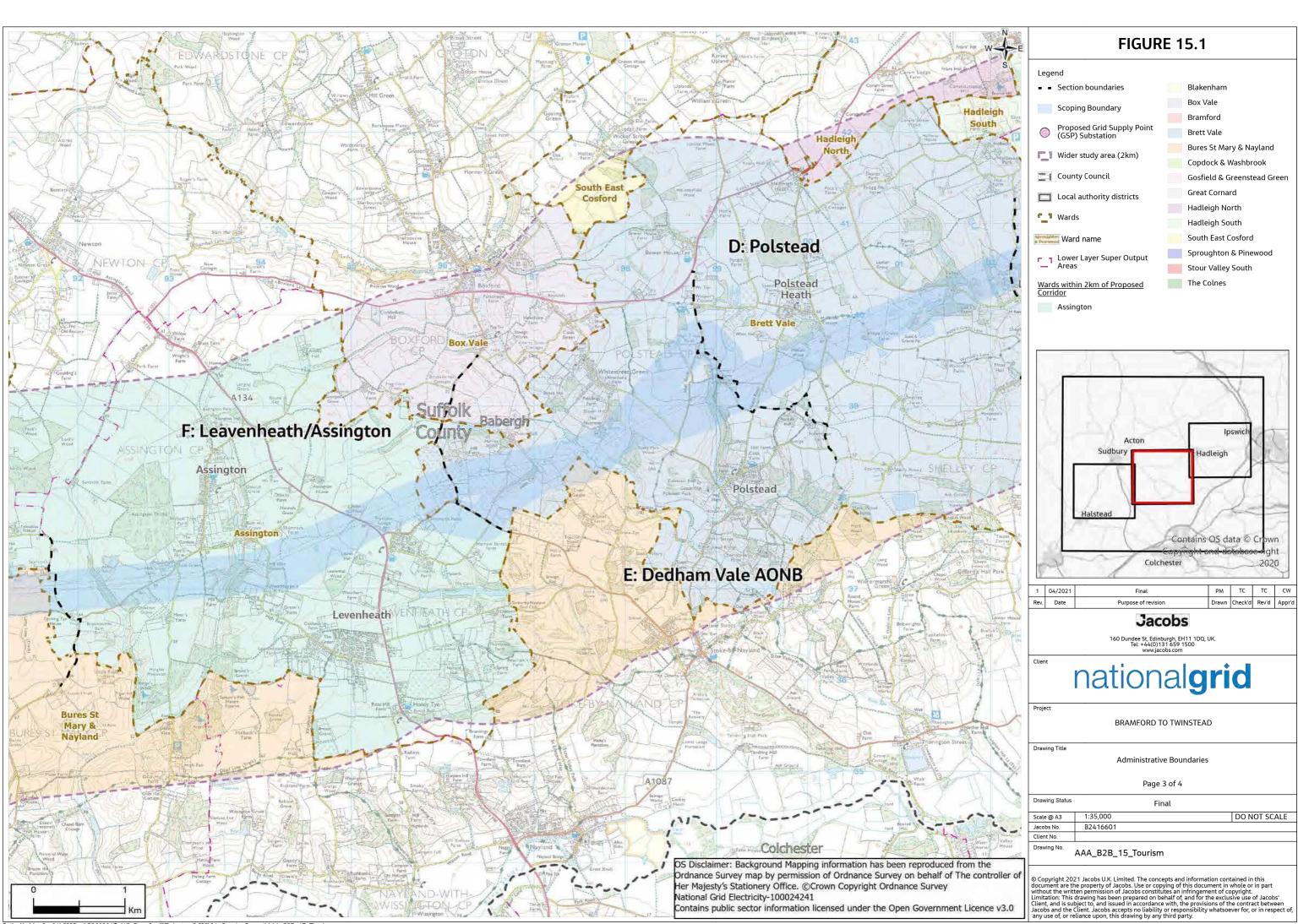
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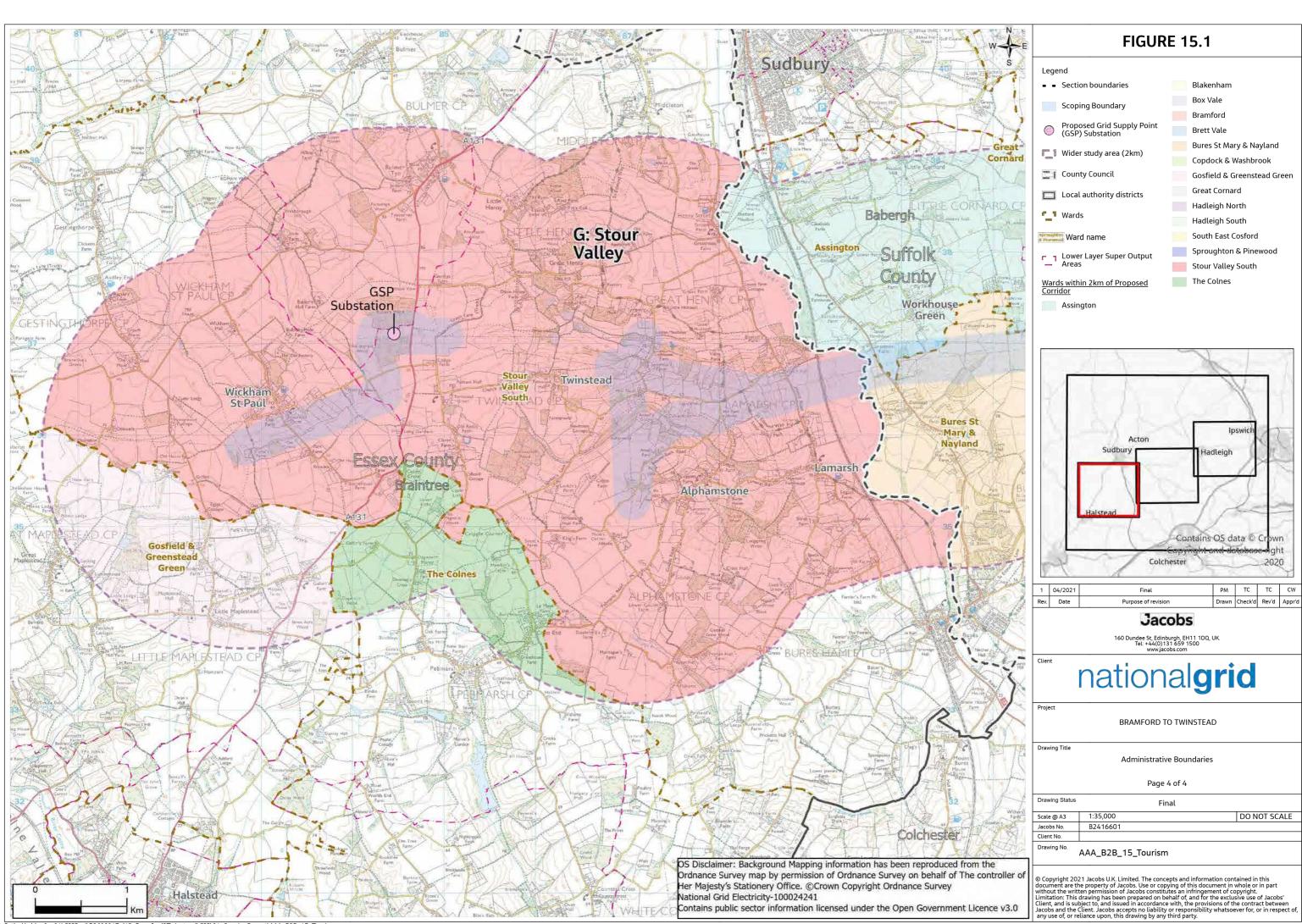
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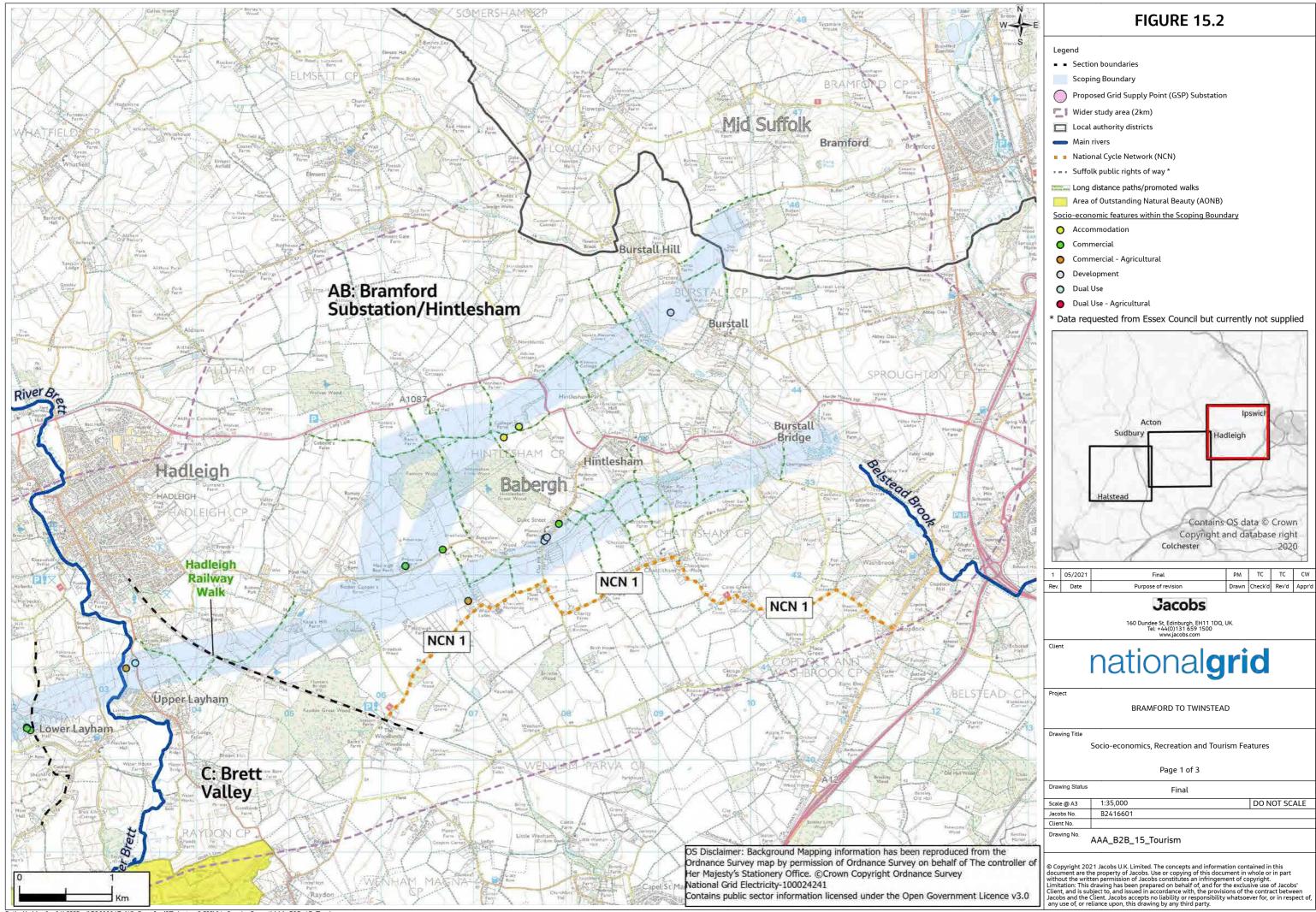




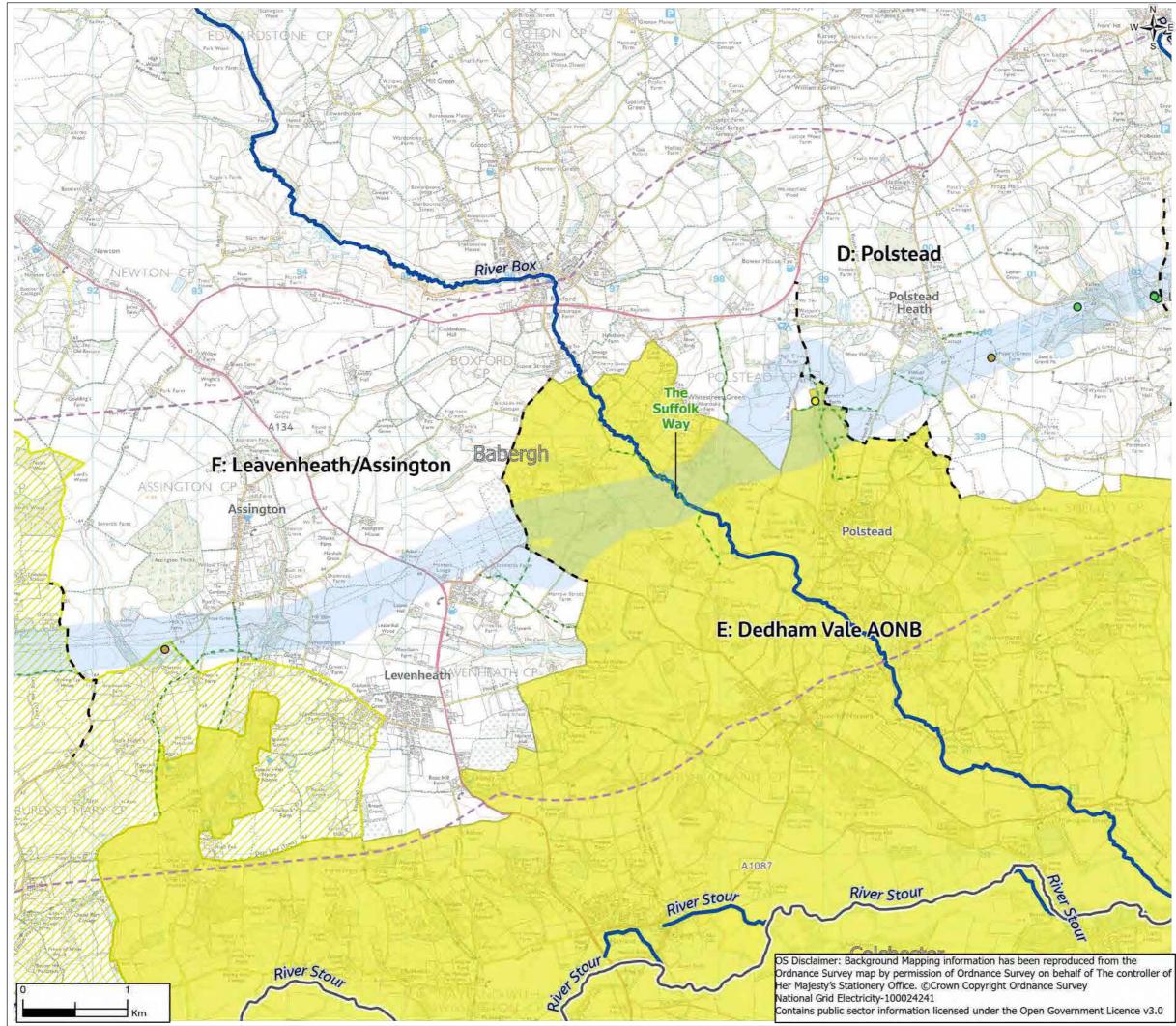
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FIGURE 15.2

Legend

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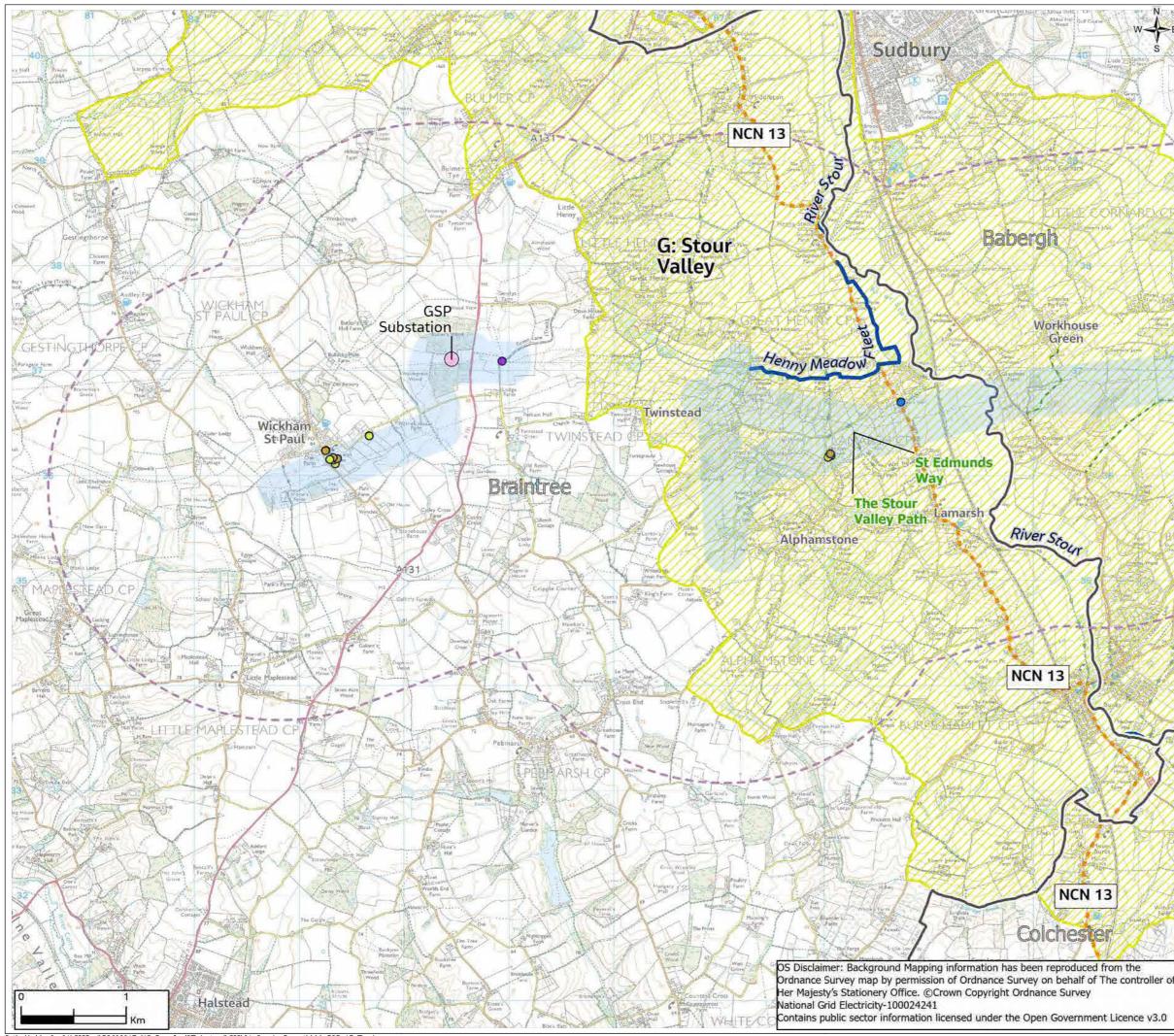
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Wider study area (2km)
- Local authority districts
- Main rivers
- - Suffolk public rights of way *
- Long distance paths/promoted walks
- Area of Outstanding Natural Beauty (AONB)
- 🔀 Stour Valley Project Area

Socio-economic features within the Scoping Boundary

- O Accommodation
- O Commercial
- Commercial Agricultural

* Data requested from Essex Council but currently not supplied

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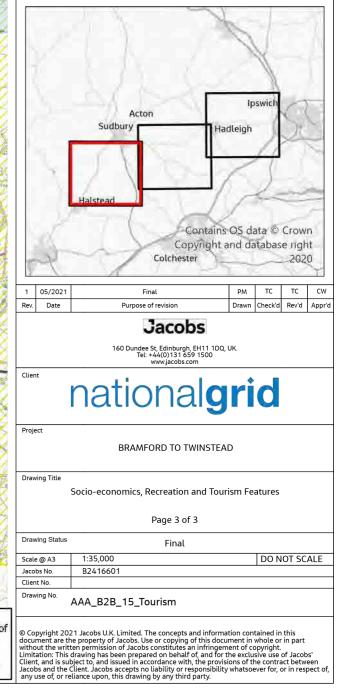
FIGURE 15.2

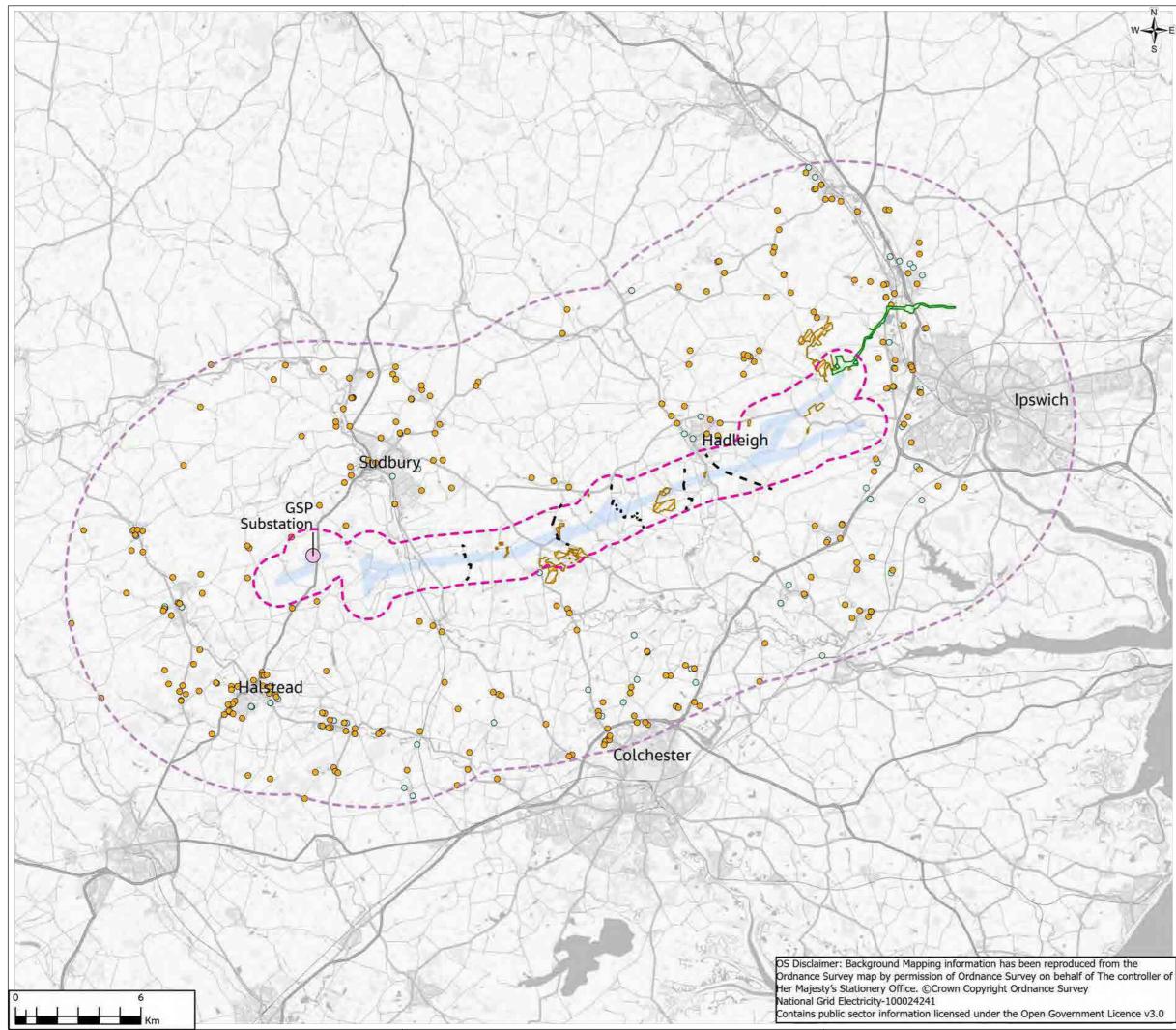
Legend

- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- 🔚 🚆 Wider study area (2km)
- Local authority districts
- Main rivers
- National Cycle Network (NCN)
- - Suffolk public rights of way *
- Long distance paths/promoted walks
- 🗾 Stour Valley Project Area

Socio-economic features within the Scoping Boundary

- O Accommodation
- Commercial Agricultural
- O Community
- Education
- * Data requested from Essex Council but currently not supplied





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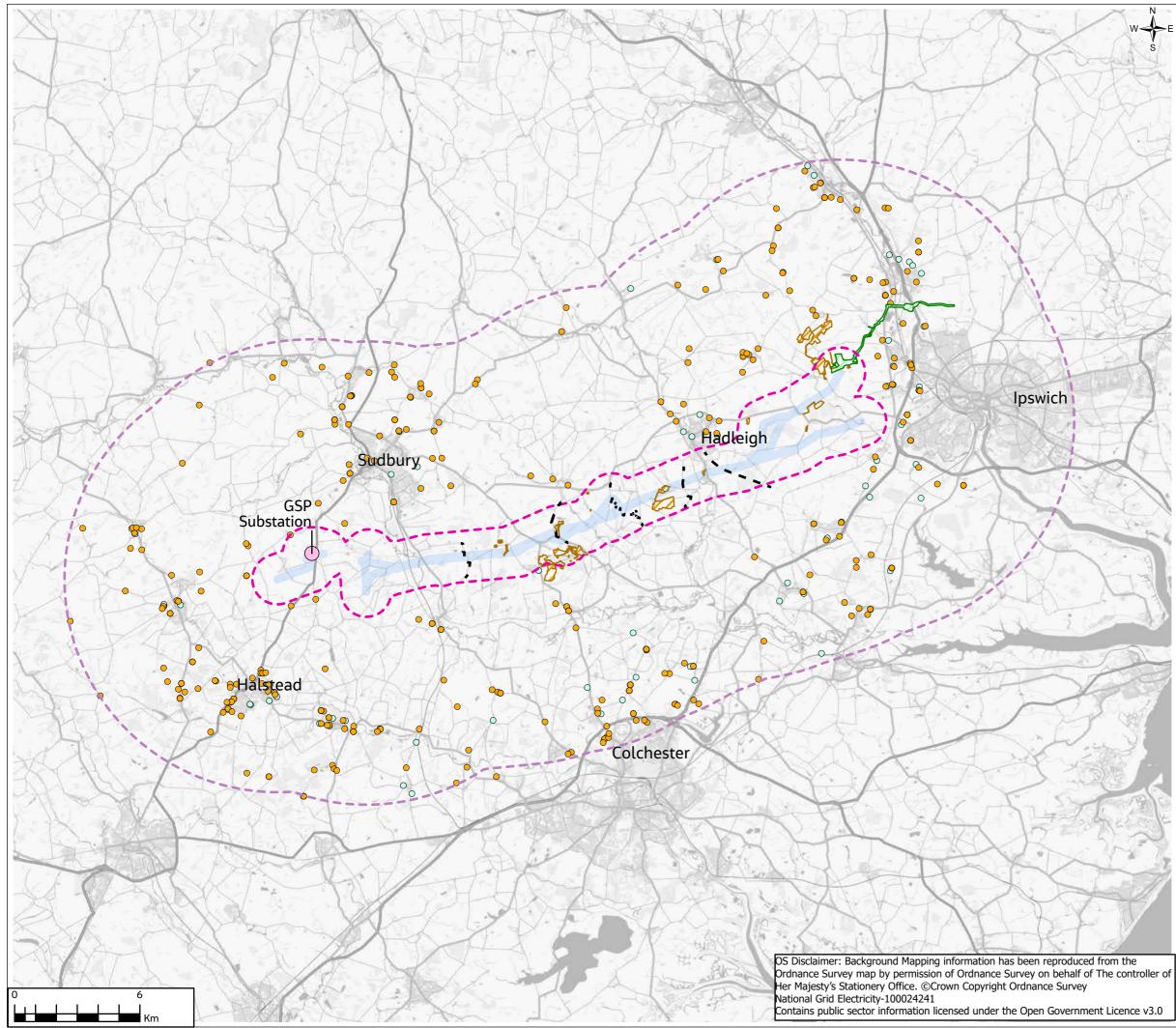
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- **Zone of Influence (1km)**
- \llbracket 📮 Study area (10km)

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations

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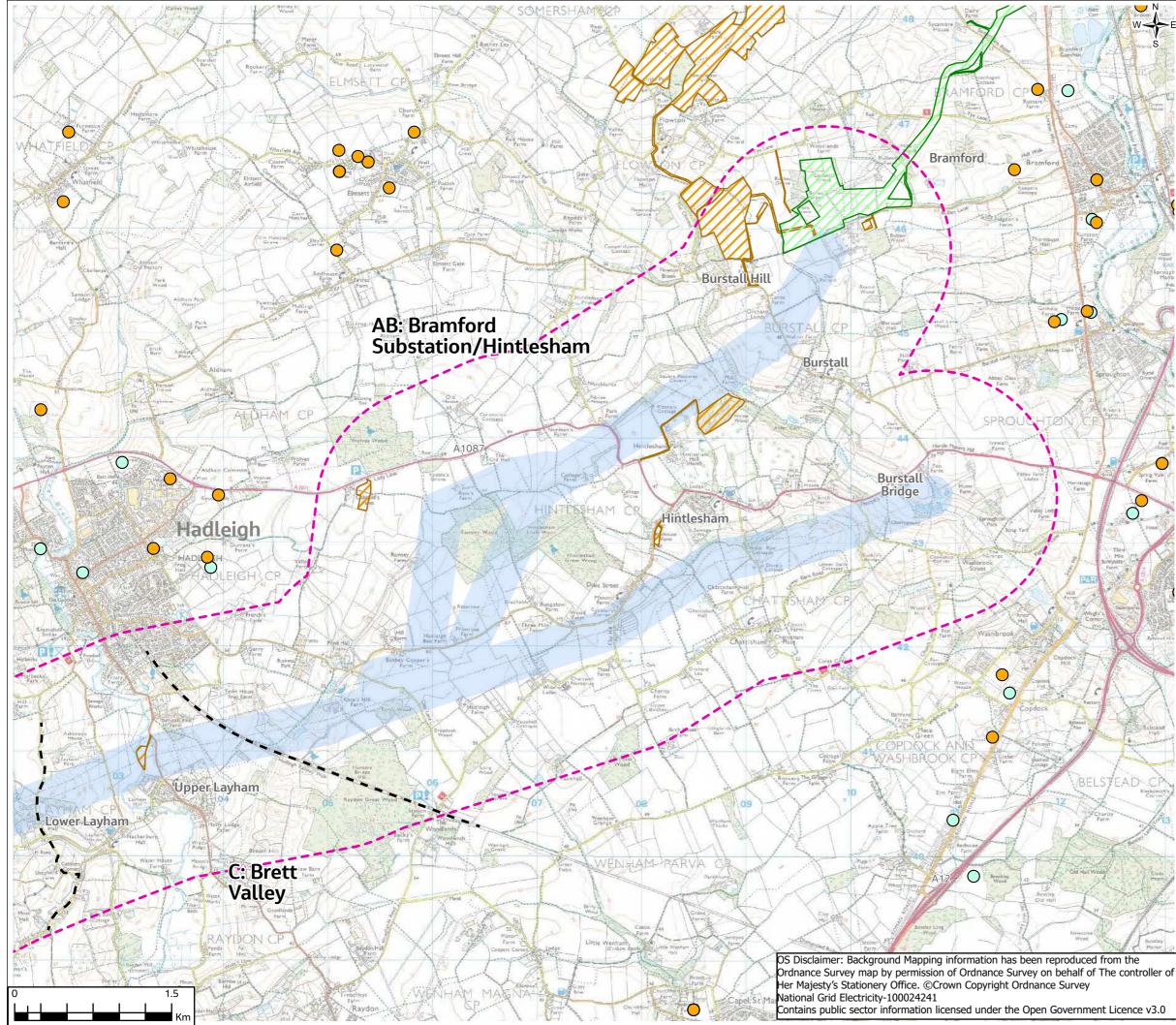
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Zone of Influence (1km)
- **Study area (10km)**

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations

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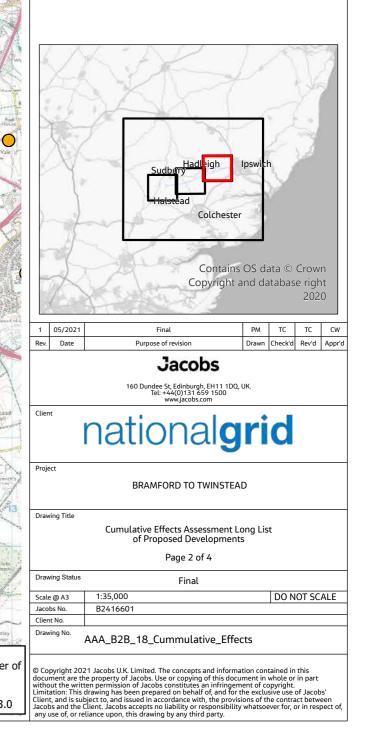
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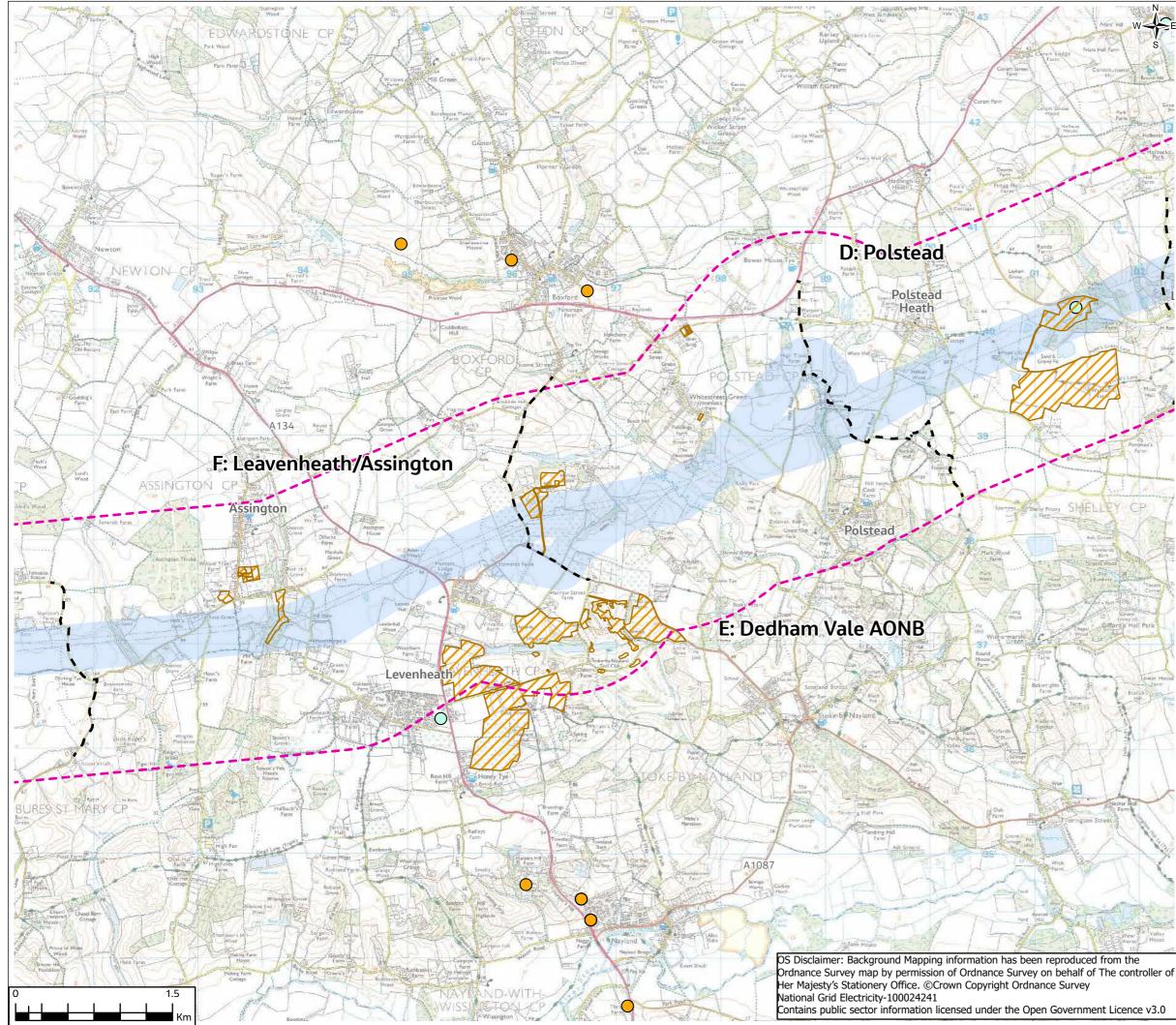
- Section boundaries
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- Proposed Grid Supply Point (GSP) Substation
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- **Study area (10km)**

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations





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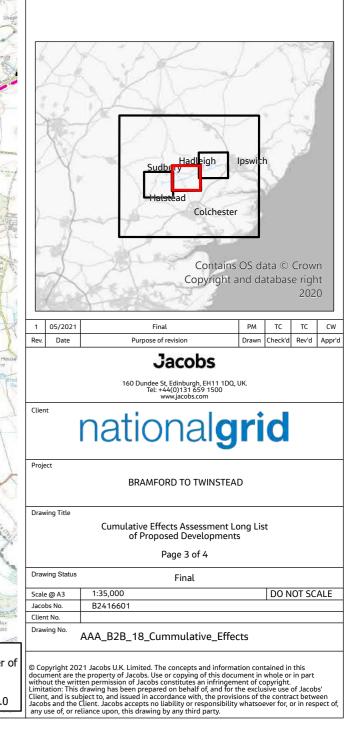
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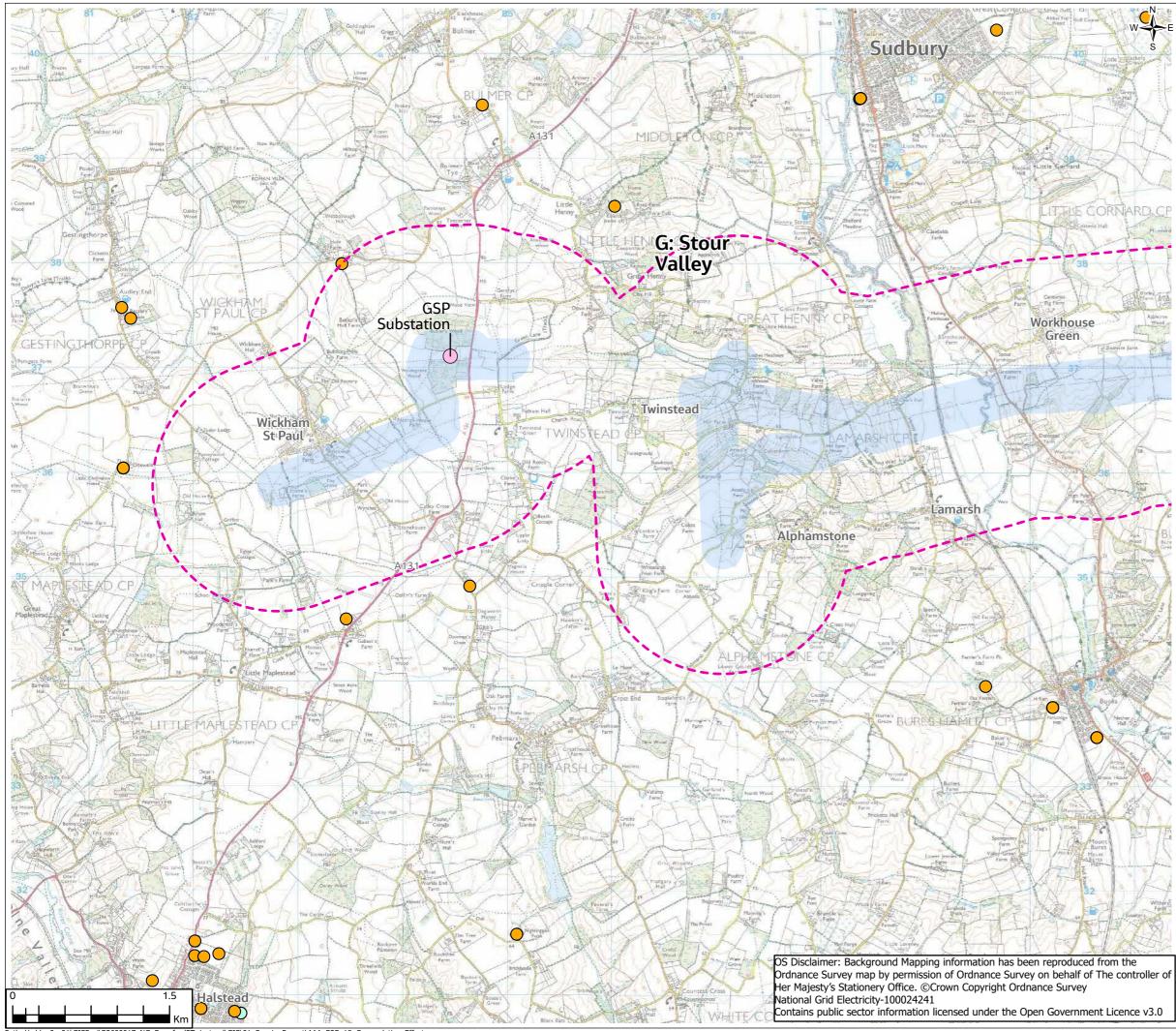
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- Zone of Influence (1km)
- **Study area (10km)**

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations





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Legend

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Zone of Influence (1km)
- **Study** area (10km)

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations

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