

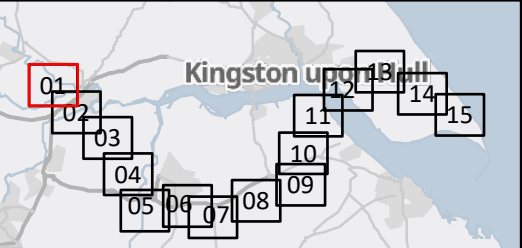
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- Proposed Order Limits
- Study Area (500m)

Geology

- Alluvium - Clay, Silt, Sand and Gravel
- Brighton Sand Formation - Sand
- Hemingbrough Glaciolacustrine Formation - Clay, Silty
- Lacustrine Beach Deposits - Sand and Gravel
- Warp - Clay and Silt

Notes  
Service Layer Credits: Superficial Geology:  
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Rev	Date	Description	Drawn	Check	Approv

Client:

**nationalgrid ventures**

**PROJECT:**  
**HUMBER LOW CARBON PIPELINES**

**Site**  
Humber

**Client**  
National Grid plc,  
1-3 Strand,  
London:  
WC2N 5EH United Kingdom  
Registered in England and Wales  
No. 4031152  
nationalgrid.com

Registered office:  
80Fen  
80 Fenchurch Street  
London  
EC3M 4BY

Coordinating Office:  
Suite 1A  
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Manchester  
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Figure 9.1  
Superficial Geology  
Page 1 of 15

Designed	E. Richardson	Date	16 AUG 22	Signed	
Drawn	K. Fischer	Date	16 AUG 22	Signed	
Checked	E. Richardson	Date	16 AUG 22	Signed	
Approved	K. Stubbs	Date	16 AUG 22	Signed	
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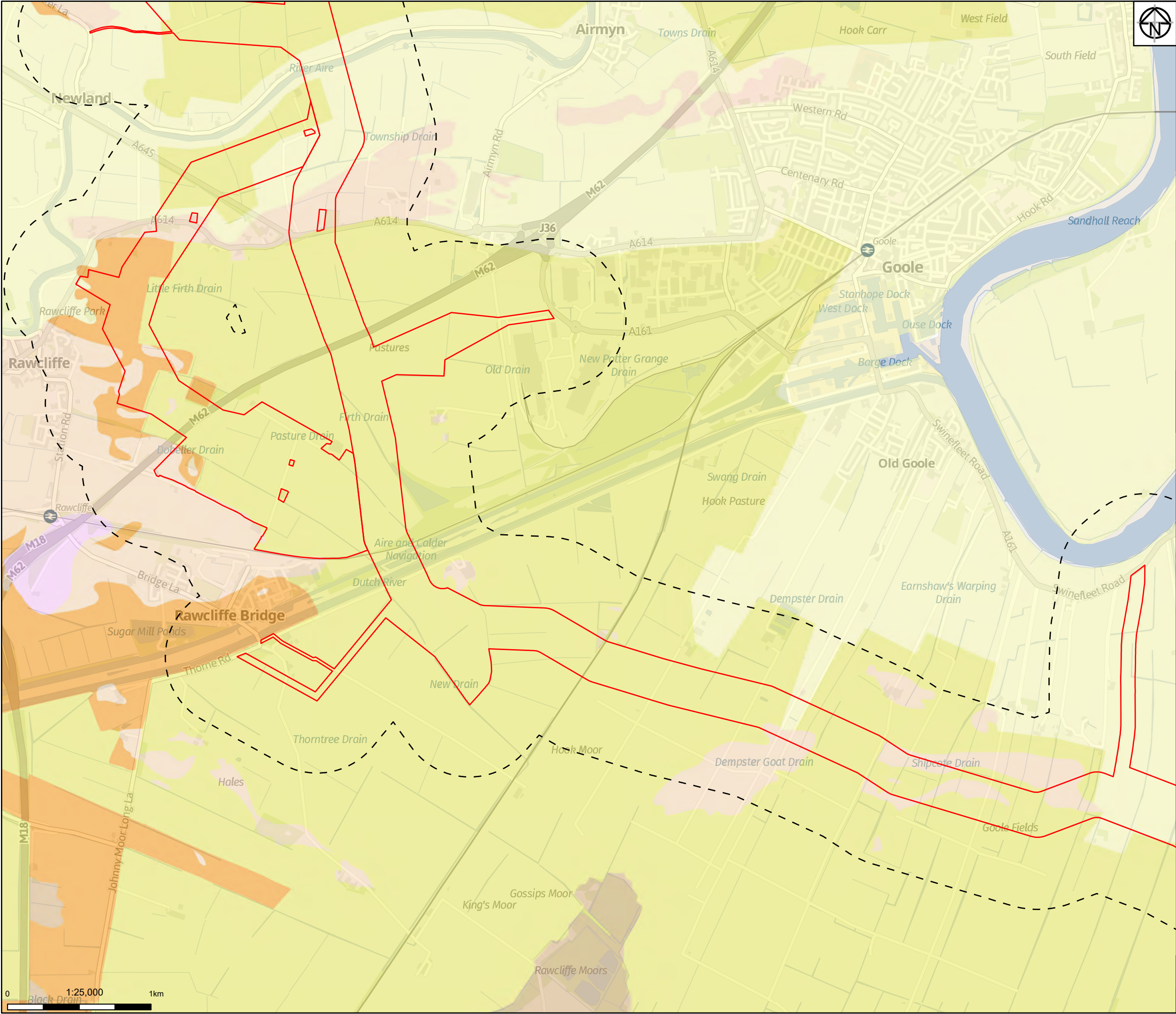
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For Information

Drawing Number:  
10047064-ARC-EGT-ZZ-DR-ZZ-00039-S2

Revision:  
P01





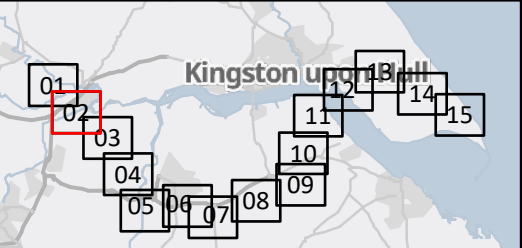
Legend

- Proposed Order Limits
- Study Area (500m)

Geology

- Alluvium - Clay, Silt, Sand and Gravel
- Brighton Sand Formation - Sand
- Hemingbrough Glaciolacustrine Formation - Clay, Silty
- Warp - Clay and Silt
- Glaciofluvial Deposits, Devensian - Sand and Gravel
- Peat

Notes  
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Figure 9.1  
Superficial Geology  
Page 2 of 15

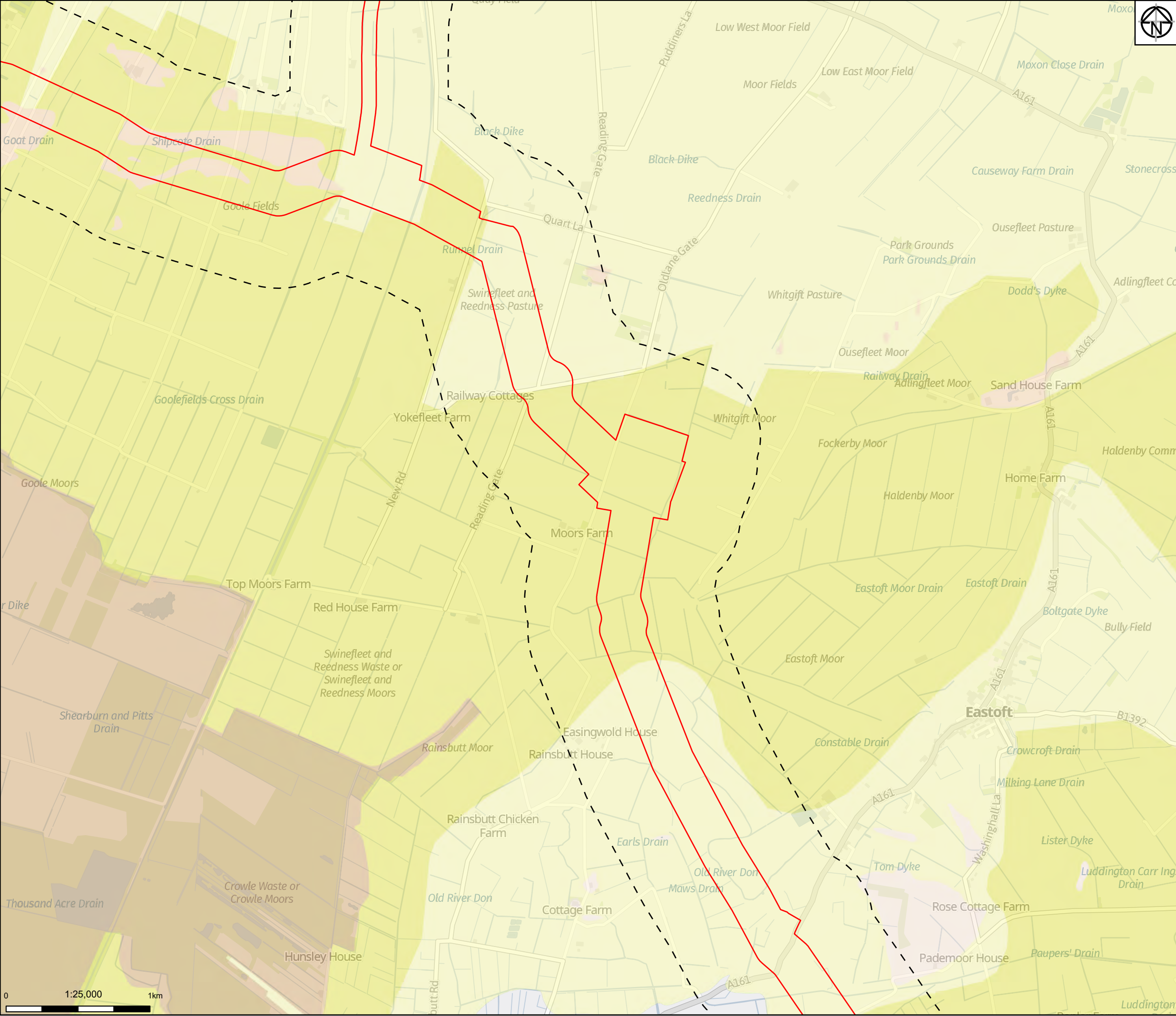
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Suitability Code:	S2	Project Number:	10047064

Suitability Description:

For Information

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Legend

Proposed Order Limits

Study Area (500m)

Geology

Alluvium - Clay, Silt, Sand and Gravel

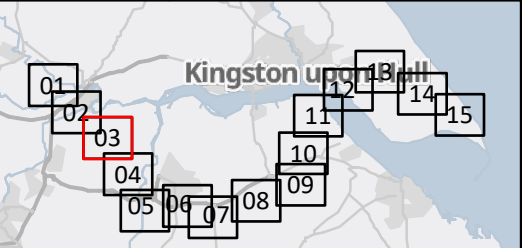
Brighton Sand Formation - Sand

Warp - Clay and Silt

Peat

Sutton Sand Formation - Sand

Notes  
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Figure 9.1  
Superficial Geology  
Page 3 of 15

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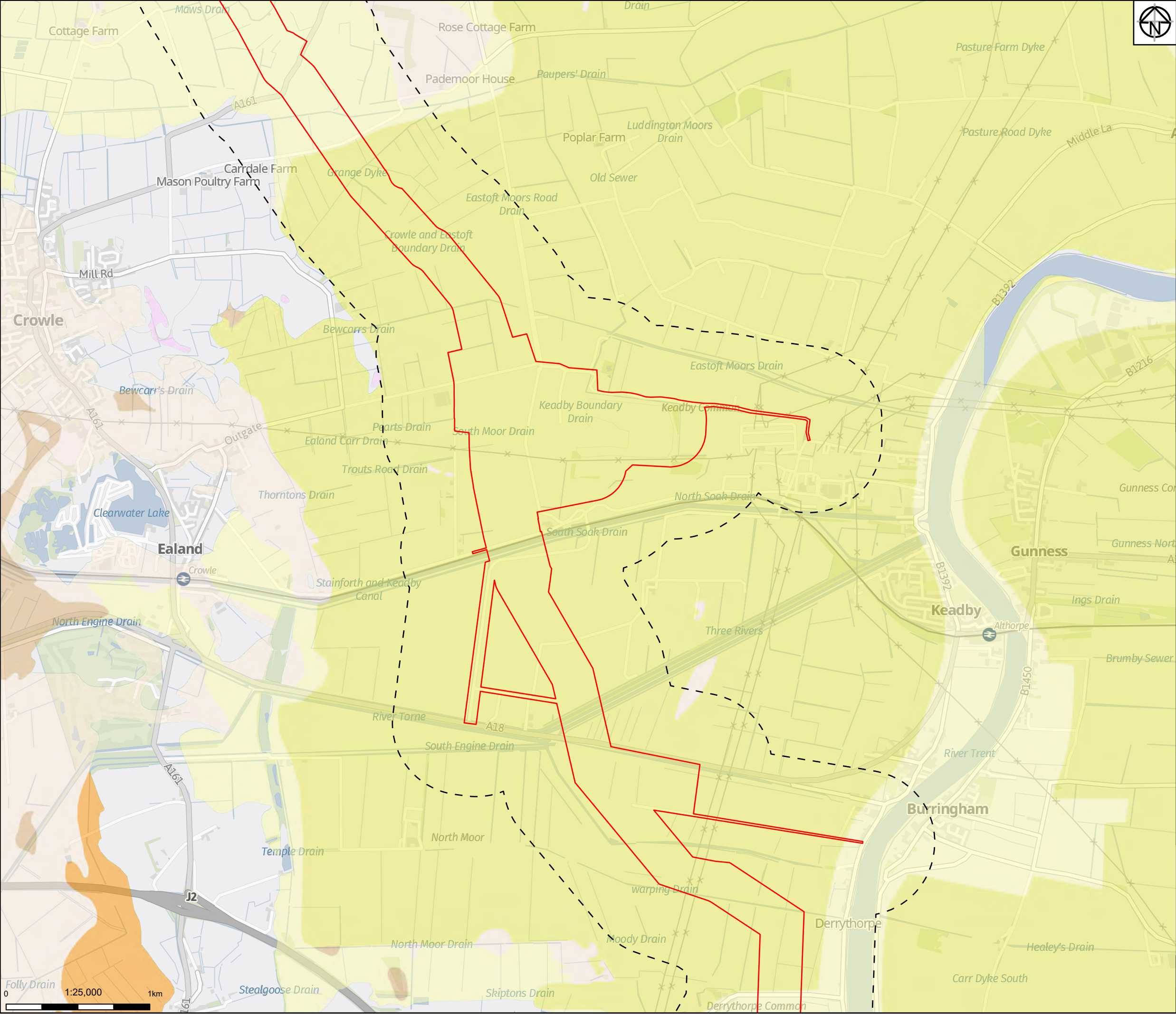
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Revision:  
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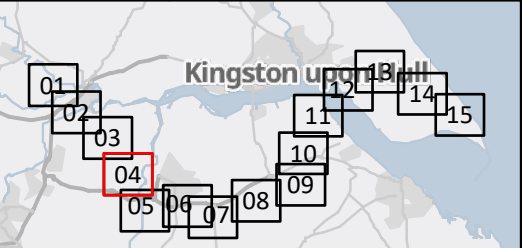
**Legend**

- Proposed Order Limits
- Study Area (500m)

**Geology**

- Alluvium - Clay, Silt, Sand and Gravel
- Brighton Sand Formation - Sand
- Hemingbrough Glaciolacustrine Formation - Clay, Silty
- Warp - Clay and Silt
- Glaciofluvial Deposits, Devensian - Sand and Gravel
- Peat
- Sutton Sand Formation - Sand
- Tidal Flat Deposits - Clay and Silt

Notes  
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**Client:**

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**Site:** Humber

**Client:** National Grid plc, 1-3 Strand, London, WC2N 5EH United Kingdom Registered in England and Wales No. 4031152 nationalgrid.com

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**Figure 9.1  
Superficial Geology  
Page 4 of 15**

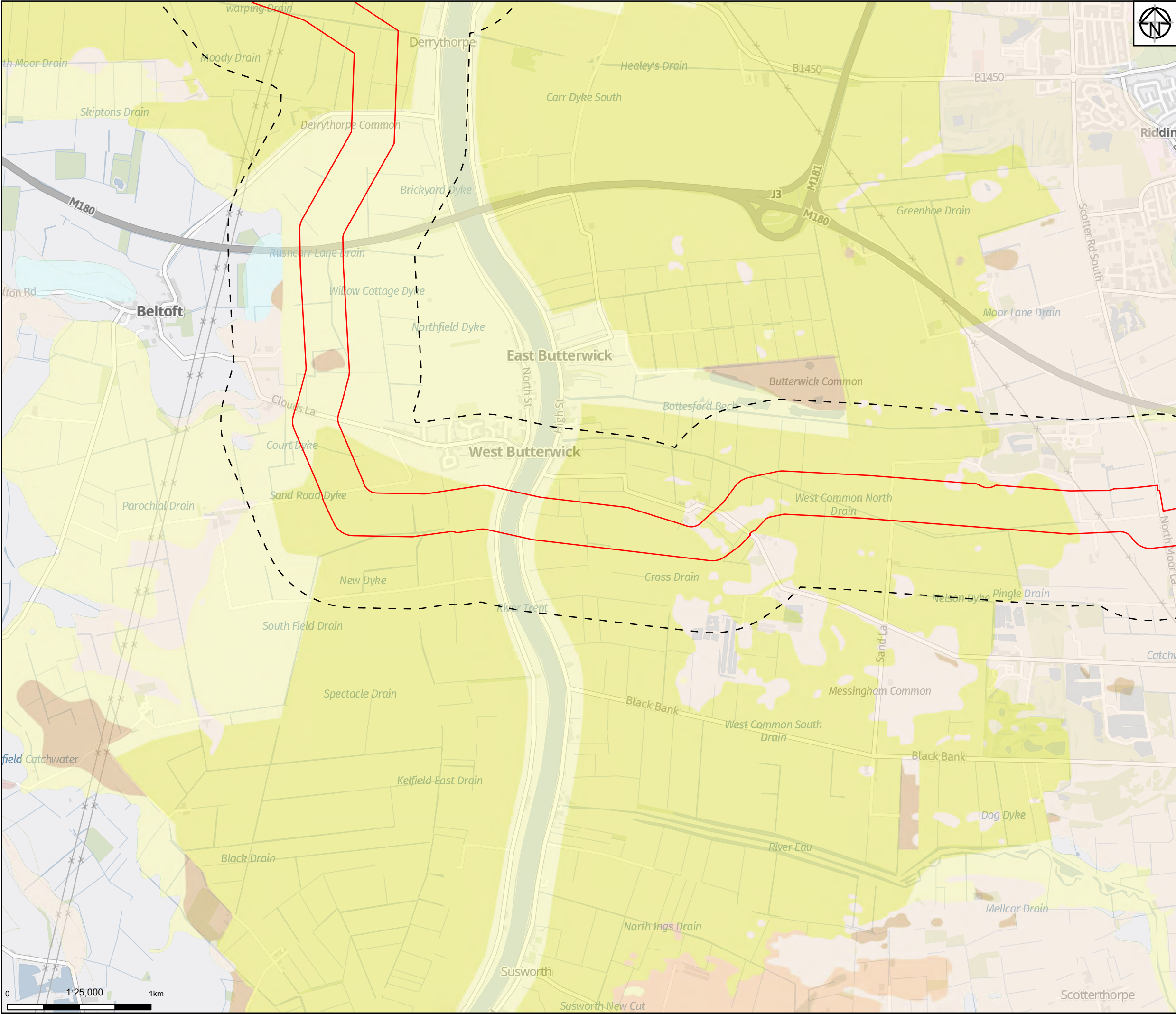
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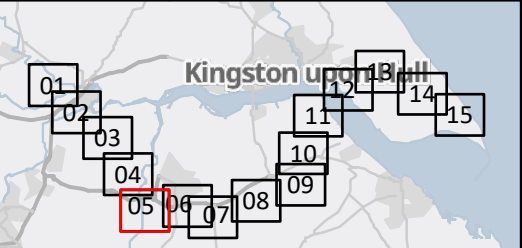
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Revision: P01





- Legend
- Proposed Order Limits
  - Study Area (500m)
- Geology
- Alluvium - Clay, Silt, Sand and Gravel
  - Warp - Clay and Silt
  - Peat
  - Sutton Sand Formation - Sand
  - River Terrace Deposits. Sand and Gravel
  - Till, Midpleistocene - Diamicton
  - Head - Clay, Silt, Sand and Gravel

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Figure 9.1  
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Page 5 of 15

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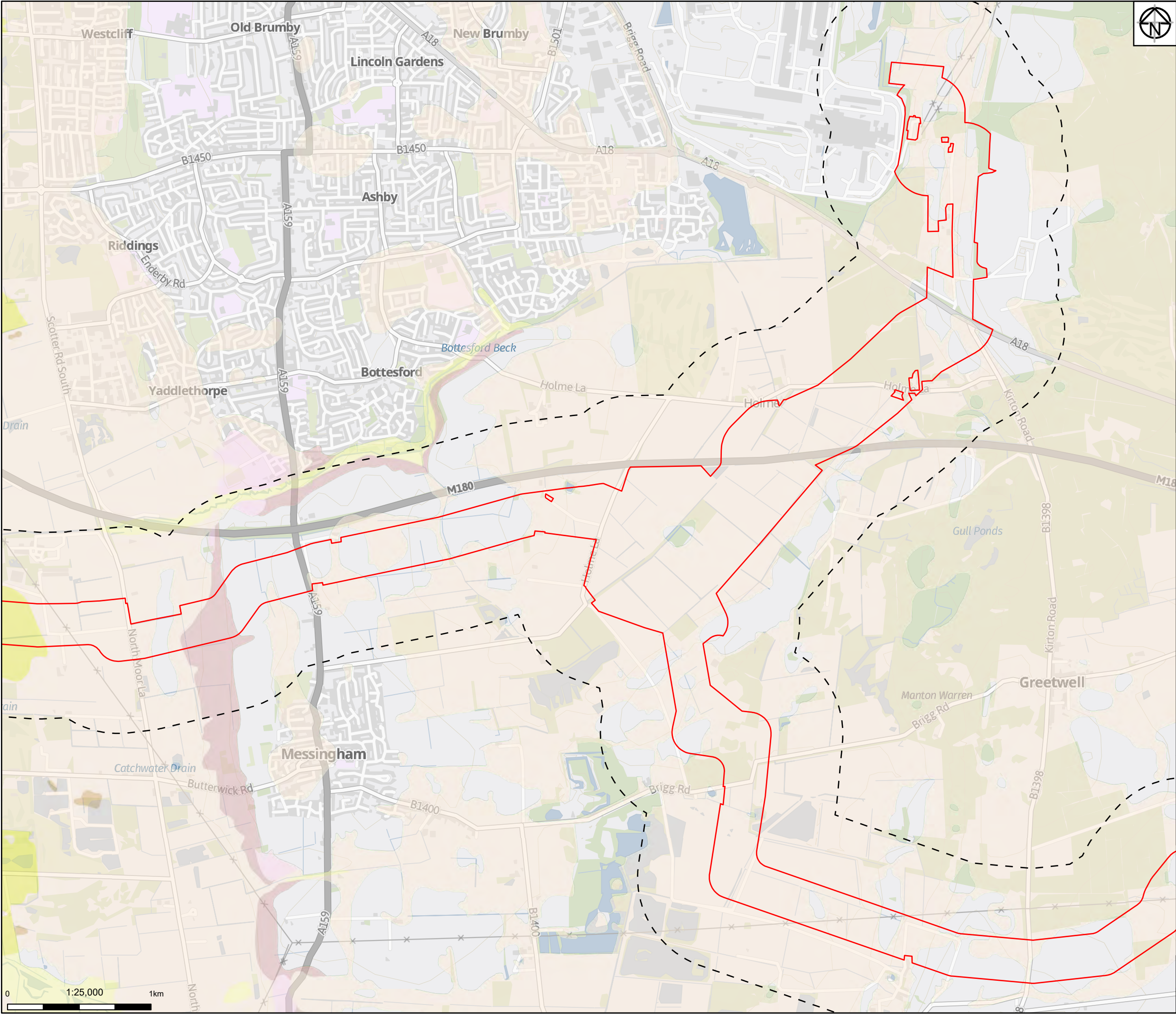
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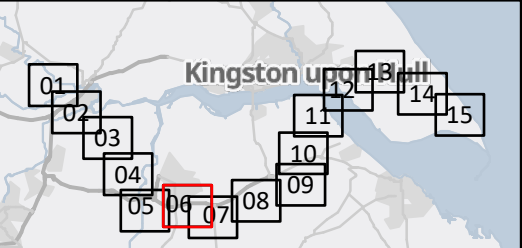
Legend

- Proposed Order Limits
- Study Area (500m)

Geology

- Alluvium - Clay, Silt, Sand and Gravel
- Warp - Clay and Silt
- Glaciofluvial Deposits, Devensian - Sand and Gravel
- Peat
- Sutton Sand Formation - Sand
- Head - Clay, Silt, Sand and Gravel

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Figure 9.1  
Superficial Geology  
Page 6 of 15

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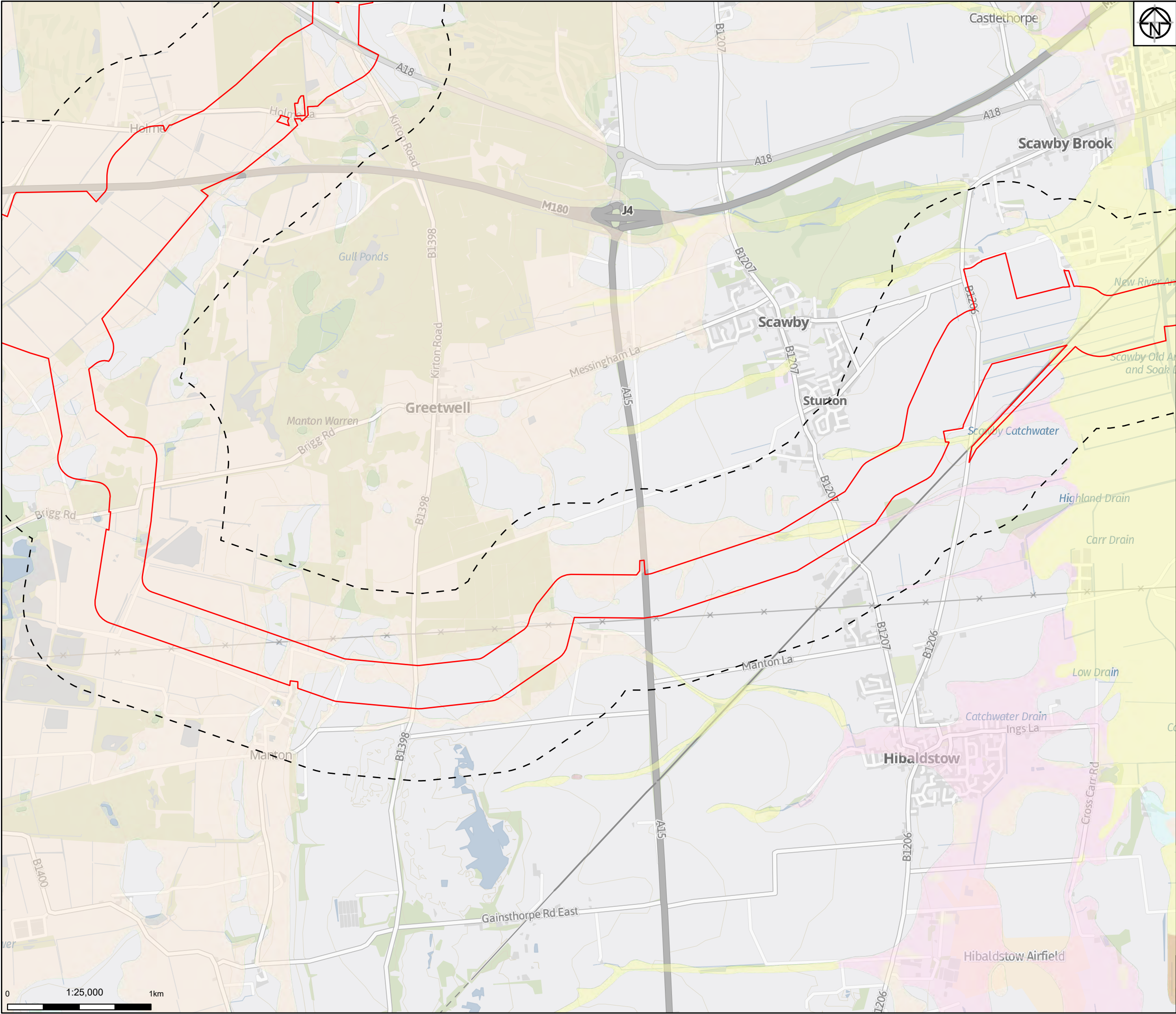
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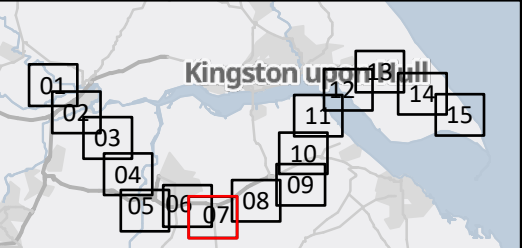
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- Legend
- Proposed Order Limits
  - Study Area (500m)
- Geology
- Alluvium - Clay, Silt, Sand and Gravel
  - Glaciofluvial Deposits, Devensian - Sand and Gravel
  - Peat
  - Sutton Sand Formation - Sand
  - Till, Middlepleistocene - Diamicton
  - Head - Clay, Silt, Sand and Gravel
  - Glaciolacustrine Deposits - Clay and Silt

Notes  
Service Layer Credits: Superficial Geology:  
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Site: Humber

Client: National Grid plc, 1-3 Strand, London, WC2N 5EH United Kingdom Registered in England and Wales No. 4031152 nationalgrid.com

Registered office: 80Fen, 80 Fenchurch Street, London EC3M 4BY  
Coordinating Office: Suite 1A, 4 Piccadilly Place, Manchester M1 3BN  
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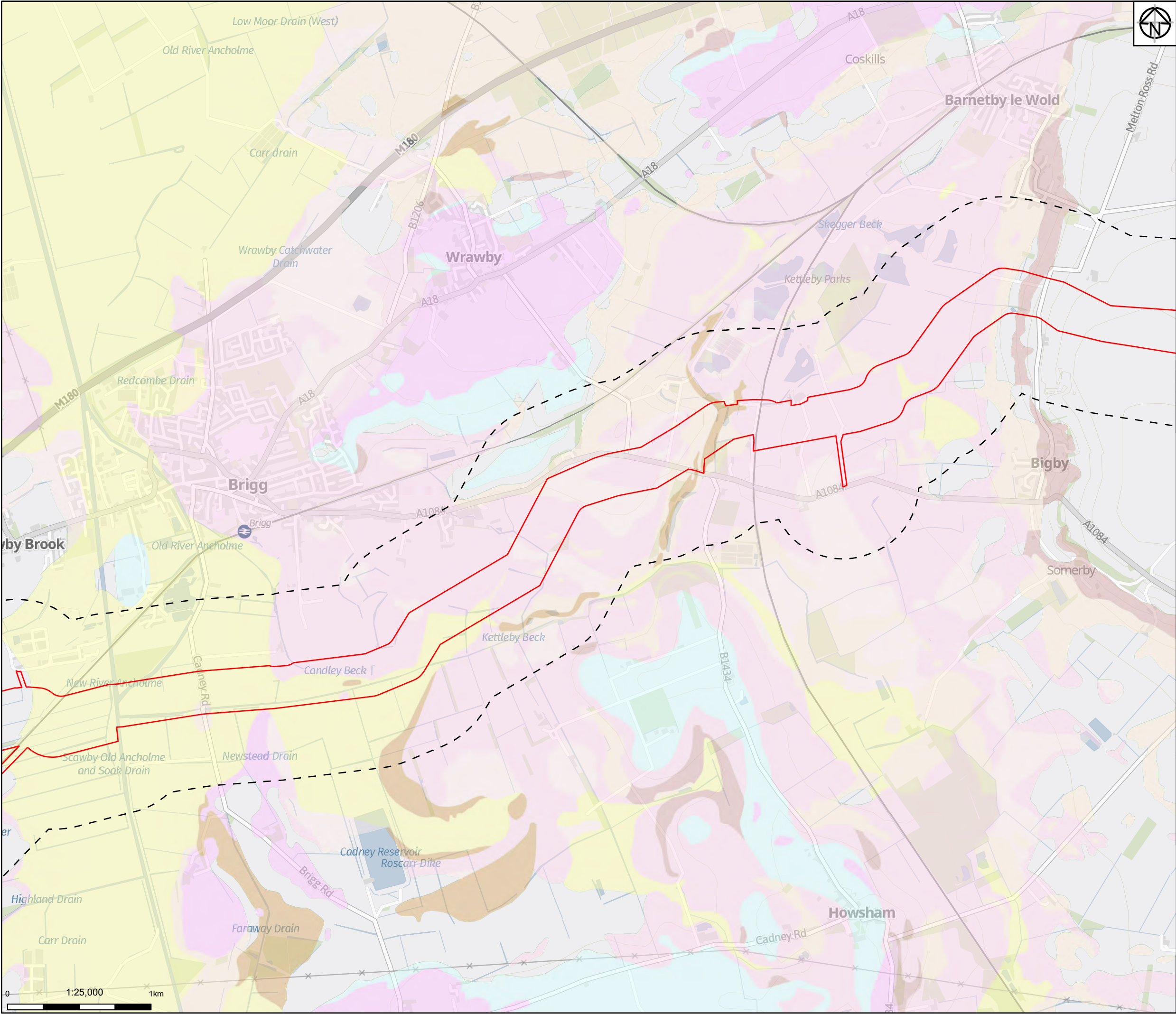
Figure 9.1

Superficial Geology

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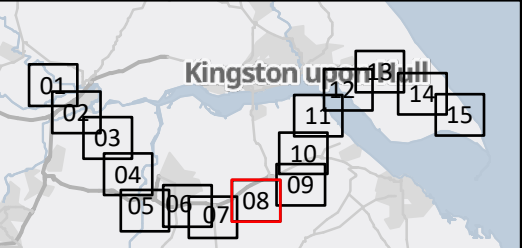
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Drawing Number:			Revision:
10047064-ARC-EGT-ZZ-DR-ZZ-00039-S2			P01





- Legend
- Proposed Order Limits
  - Study Area (500m)
- Geology
- Alluvium - Clay, Silt, Sand and Gravel
  - Glaciofluvial Deposits, Devensian - Sand and Gravel
  - Peat
  - Sutton Sand Formation - Sand
  - Till, Midpleistocene - Diamicton
  - Head - Clay, Silt, Sand and Gravel
  - Glaciolacustrine Deposits - Clay and Silt
  - Glaciofluvial Deposits, Midpleistocene - Sand and Gravel

Notes  
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Client  
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Figure 9.1  
Superficial Geology  
Page 8 of 15

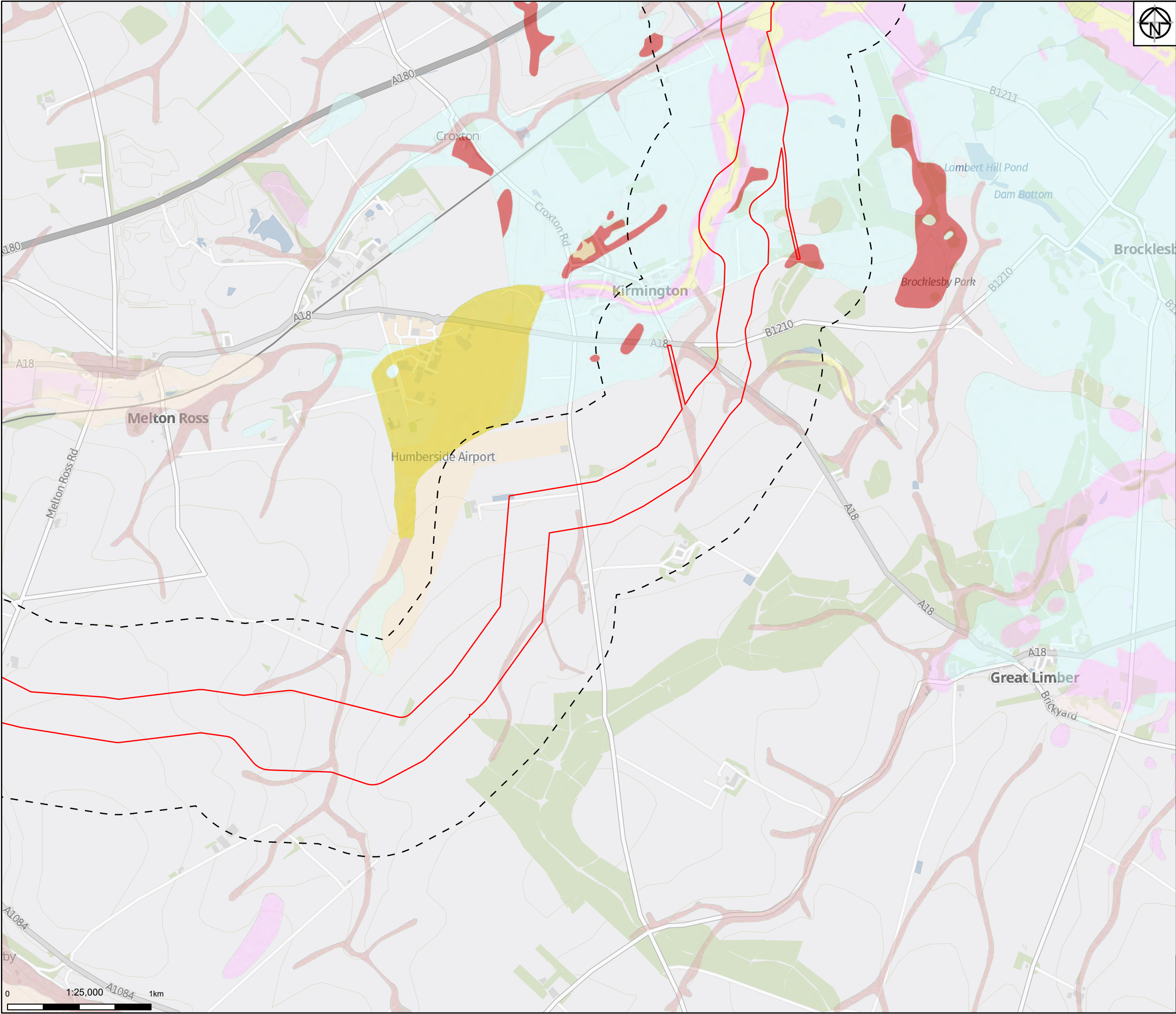
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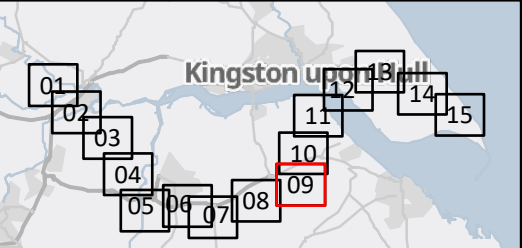
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- Legend
- Proposed Order Limits
  - Study Area (500m)
- Geology
- Alluvium - Clay, Silt, Sand and Gravel
  - Glaciofluvial Deposits, Devensian - Sand and Gravel
  - Sutton Sand Formation - Sand
  - Head - Clay, Silt, Sand and Gravel
  - Glaciolacustrine Deposits, 1 - Clay and Silt
  - Till, Devensian - Diamicton
  - Interglacial Beach Deposits - Sand and Gravel
  - Glaciofluvial Sheet Deposits. Devensian - Sand and Gravel

Notes  
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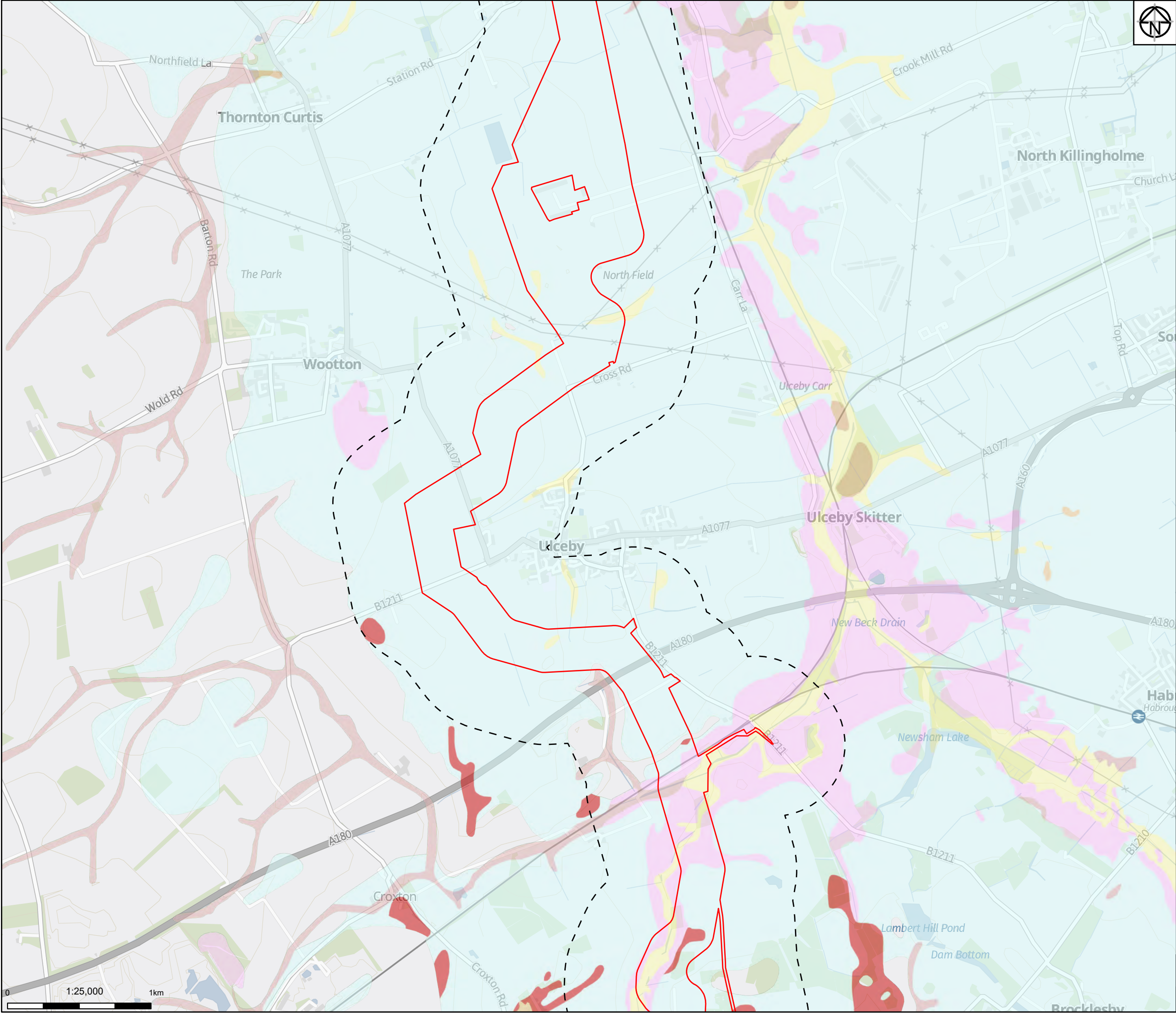
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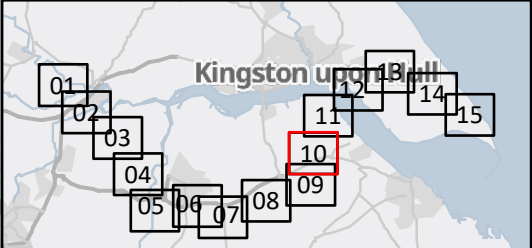
- Proposed Order Limits
- Study Area (500m)

Geology

- Alluvium - Clay, Silt, Sand and Gravel
- Glaciofluvial Deposits, Devensian - Sand and Gravel
- Peat
- Head - Clay, Silt, Sand and Gravel
- Till, Devensian - Diamicton
- Interglacial Beach Deposits - Sand and Gravel
- Glaciofluvial Sheet Deposits, Devensian - Sand and Gravel
- Lacustrine Deposits - Sand, Silt and Clay
- Glaciolacustrine Deposits - Sand and Gravel

Notes

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Figure 9.1  
Superficial Geology  
Page 10 of 15

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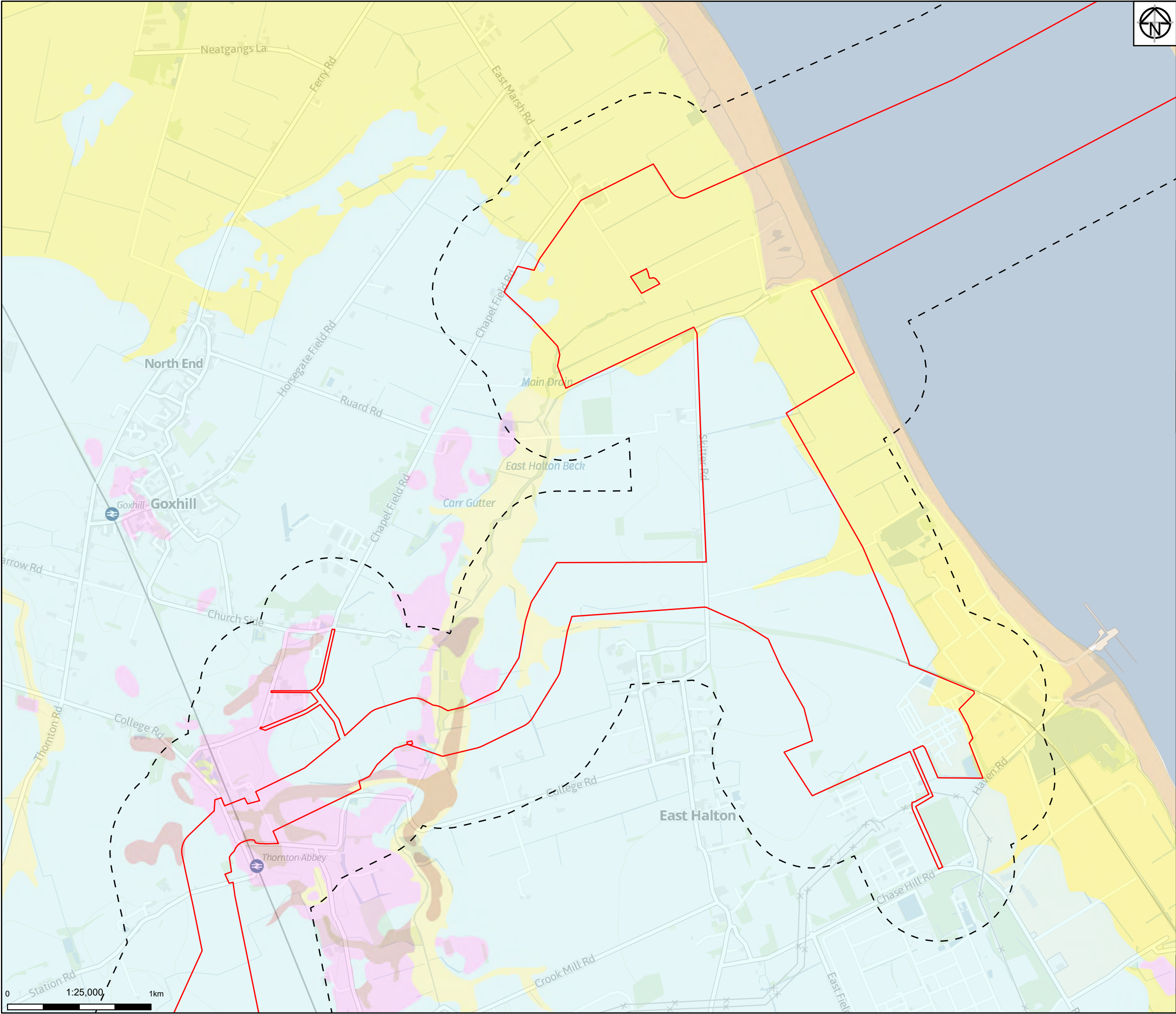
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Drawing Number:  
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Revision:  
P01





Legend

Proposed Order Limits

Study Area (500m)

Geology

Alluvium - Clay, Silt, Sand and Gravel

Glaciofluvial Deposits, Devensian - Sand and Gravel

Peat

Tidal Flat Deposits - Clay and Silt

Head - Clay, Silt, Sand and Gravel

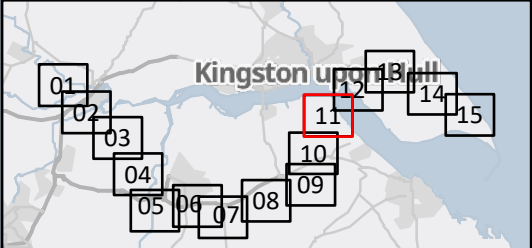
Till, Devensian - Diamicton

Beach and Tidal Flat Deposits

Glaciolacustrine Deposits - Sand and Gravel

Notes

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**Figure 9.1  
Superficial Geology  
Page 11 of 15**

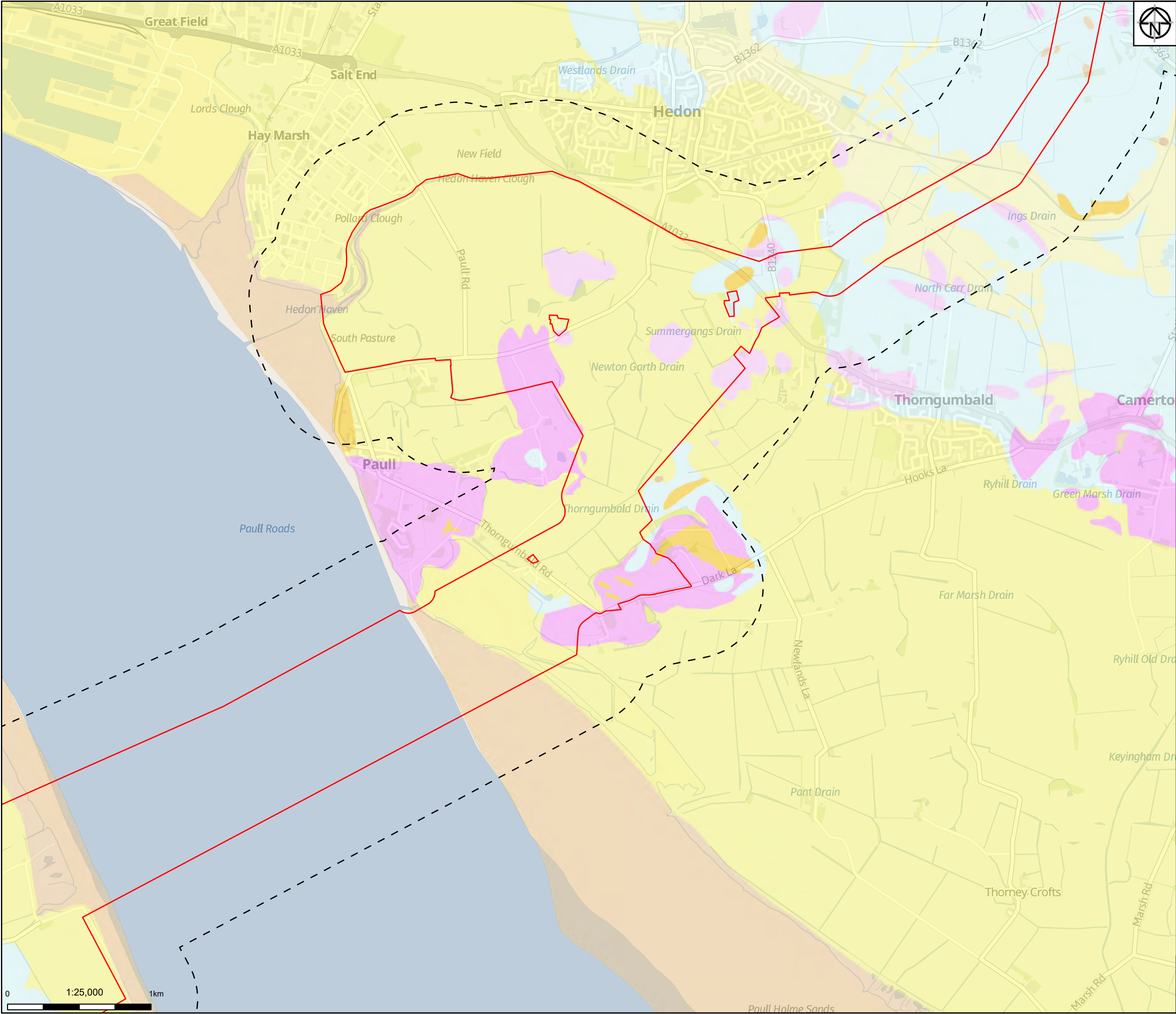
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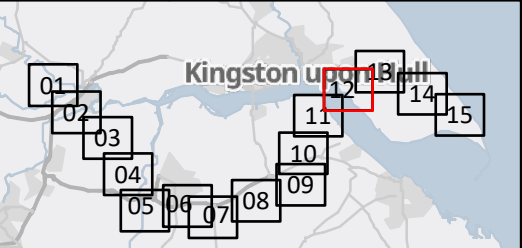
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- Legend
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  - Study Area (500m)
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  - Glaciofluvial Deposits, Devensian - Sand and Gravel
  - Peat
  - Tidal Flat Deposits - Clay and Silt
  - Till, Devensian - Diamicton
  - Beach and Tidal Flat Deposits
  - Lacustrine Deposits - Sand, Silt and Clay
  - Kelsey Hill Gravels (Beds) - Sand and Gravel
  - Kelsey Hill Gravels (Beds) - Clay and Silt

Notes  
Service Layer Credits: Superficial Geology:  
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01	16/08/22	INITIAL ISSUE	KF	ER	KS
Rev	Date	Description	Drawn	Check	Approv

Client:

**nationalgrid ventures**

**PROJECT:**  
**HUMBER LOW CARBON PIPELINES**

**Site**  
Humber

**Client**  
National Grid plc,  
1-3 Strand,  
London:  
WC2N 5EH United Kingdom  
Registered in England and Wales  
No. 4031152  
nationalgrid.com

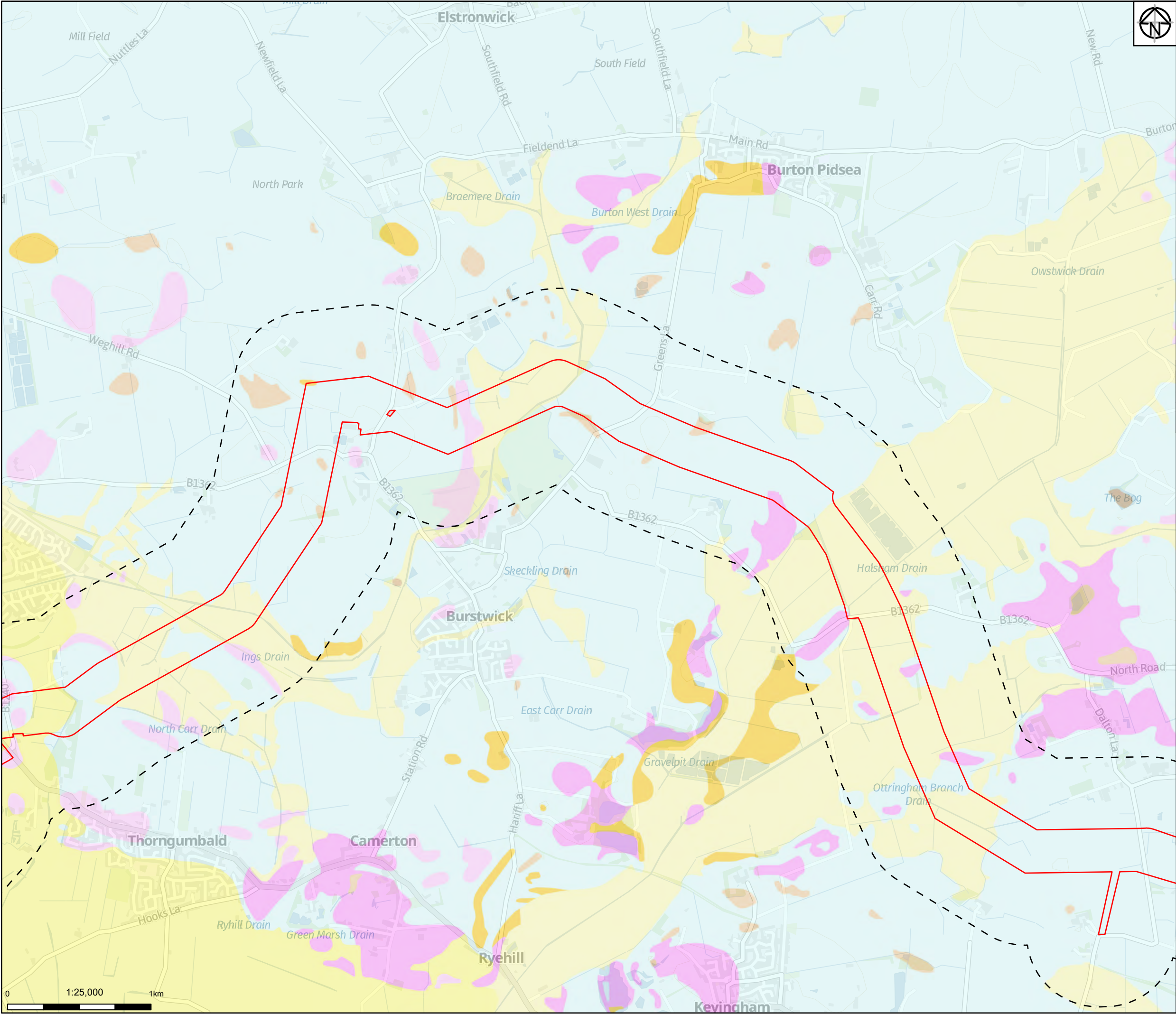
Registered office:  
80Fen  
80 Fenchurch Street  
London  
EC3M 4BY

Coordinating Office:  
Suite 1A  
4 Piccadilly Place  
Manchester  
M1 3BN

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Title:  Figure 9.1 Superficial Geology Page 12 of 15			
Designed	E. Richardson	Date 16 AUG 22	Signed
Drawn	K. Fischer	Date 16 AUG 22	Signed
Checked	E. Richardson	Date 16 AUG 22	Signed
Approved	K. Stubbs	Date 16 AUG 22	Signed
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Original Size:	A3	Grid:	OS
Suitability Code:	S2	Project Number:	10047064
Suitability Description:			
For Information			
Drawing Number: 10047064-ARC-EGT-ZZ-DR-ZZ-00039-S2			Revision: P01





Legend

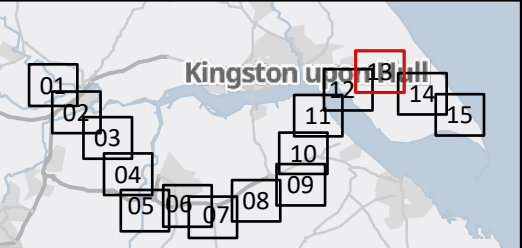
- Proposed Order Limits
- Study Area (500m)

Geology

- Alluvium - Clay, Silt, Sand and Gravel
- Glaciofluvial Deposits, Devensian - Sand and Gravel
- Peat
- Tidal Flat Deposits - Clay and Silt
- Till, Devensian - Diamicton
- Lacustrine Deposits - Sand, Silt and Clay
- Kelsey Hill Gravels (Beds) - Sand and Gravel
- Kelsey Hill Gravels (Beds) - Clay and Silt

Notes

Service Layer Credits: Superficial Geology:  
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PROJECT: HUMBER LOW CARBON PIPELINES

Site: Humber

Client: National Grid plc, 1-3 Strand, London, WC2N 5EH United Kingdom Registered in England and Wales No. 4031152 nationalgrid.com

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Figure 9.1  
Superficial Geology  
Page 13 of 15

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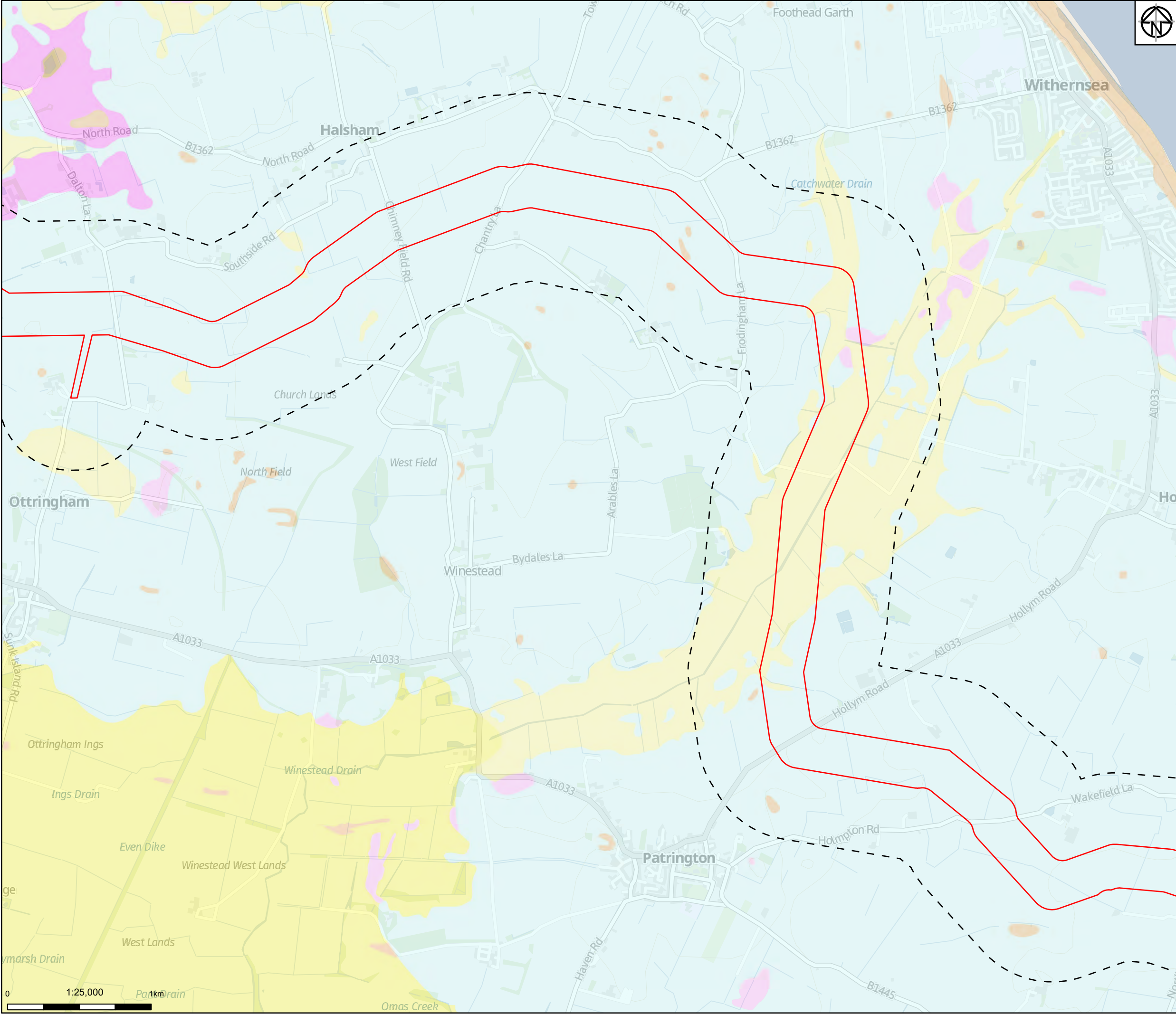
Suitability Description:

For Information

Drawing Number: 10047064-ARC-EGT-ZZ-DR-ZZ-00039-S2

Revision: P01





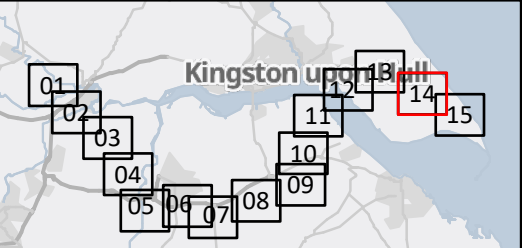
Legend

- Proposed Order Limits
- Study Area (500m)

Geology

- Alluvium - Clay, Silt, Sand and Gravel
- Glaciofluvial Deposits, Devensian - Sand and Gravel
- Peat
- Tidal Flat Deposits - Clay and Silt
- Till, Devensian - Diamicton
- Lacustrine Deposits - Sand, Silt and Clay
- Kelsey Hill Gravels (Beds) - Sand and Gravel

Notes  
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Figure 9.1  
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Page 14 of 15

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Original Size:	A3	Grid:	OS
Suitability Code:	S2	Project Number:	10047064

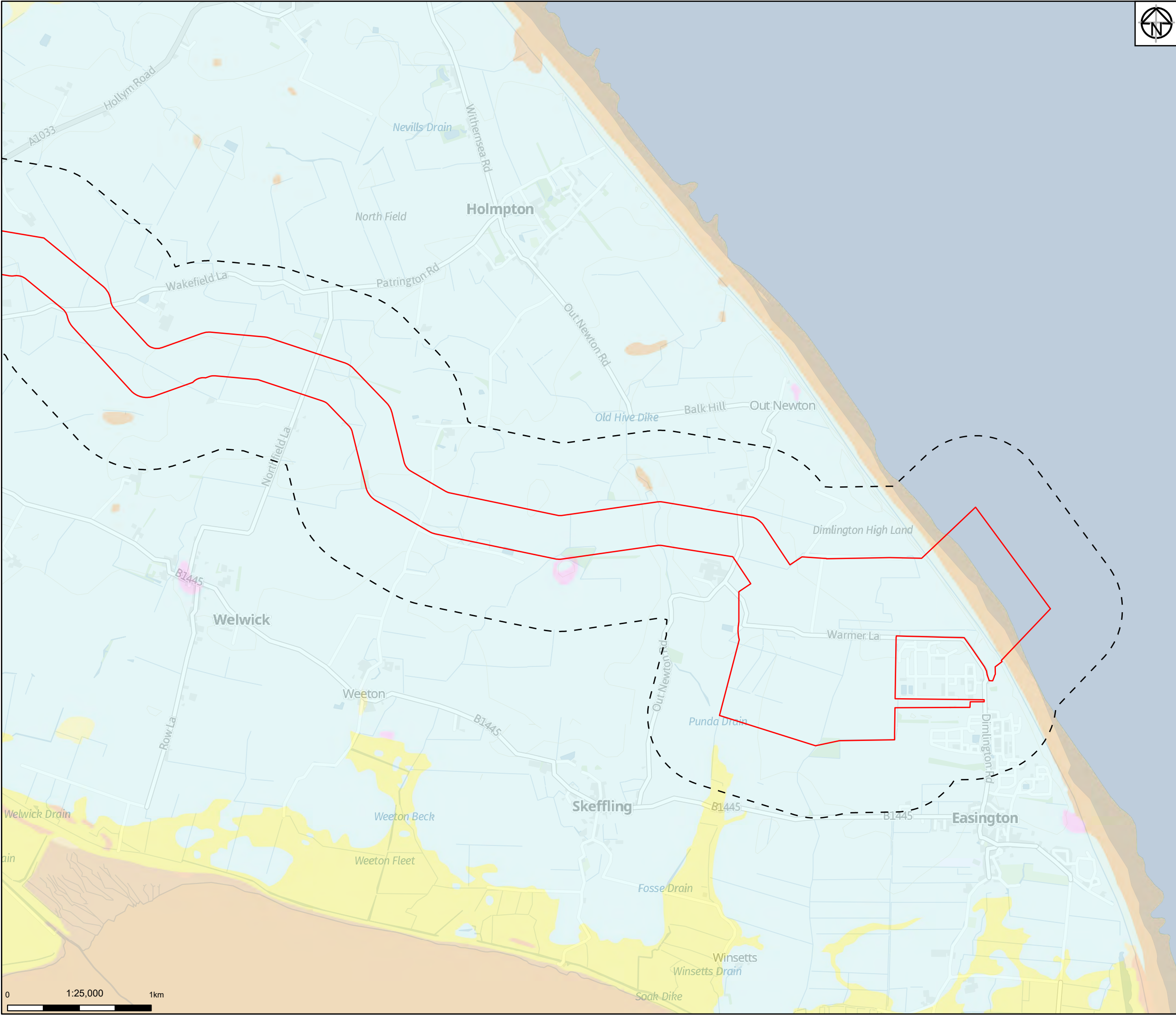
Suitability Description:

For Information

Drawing Number:  
10047064-ARC-EGT-ZZ-DR-ZZ-00039-S2

Revision:  
P01





Legend

Proposed Order Limits

Study Area (500m)

Geology

Alluvium - Clay, Silt, Sand and Gravel

Glaciofluvial Deposits, Devensian - Sand and Gravel

Tidal Flat Deposits - Clay and Silt

Till, Devensian - Diamicton

Beach and Tidal Flat Deposits

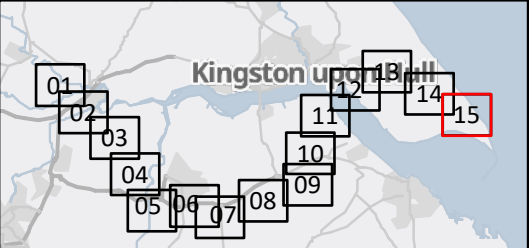
Storm Beach Deposits - Sand, Gravel and Boulders

Blown Sand

Lacustrine Deposits - Sand, Silt and Clay

Notes

Service Layer Credits: Superficial Geology:  
GB Background: Contains OS data © Crown Copyright and database right 2022  
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Title:

**Figure 9.1  
Superficial Geology  
Page 15 of 15**

Designed	E. Richardson	Date 16 AUG 22	Signed
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Suitability Description:

**For Information**

Drawing Number:	Revision:
10047064-ARC-EGT-ZZ-DR-ZZ-00039-S2	P01