Tween Bridge Solar Farm

Environmental Statement
Appendix 9.1: Phase 1 Ground Conditions Desk Study reports for Land Parcels A to E
Part 10

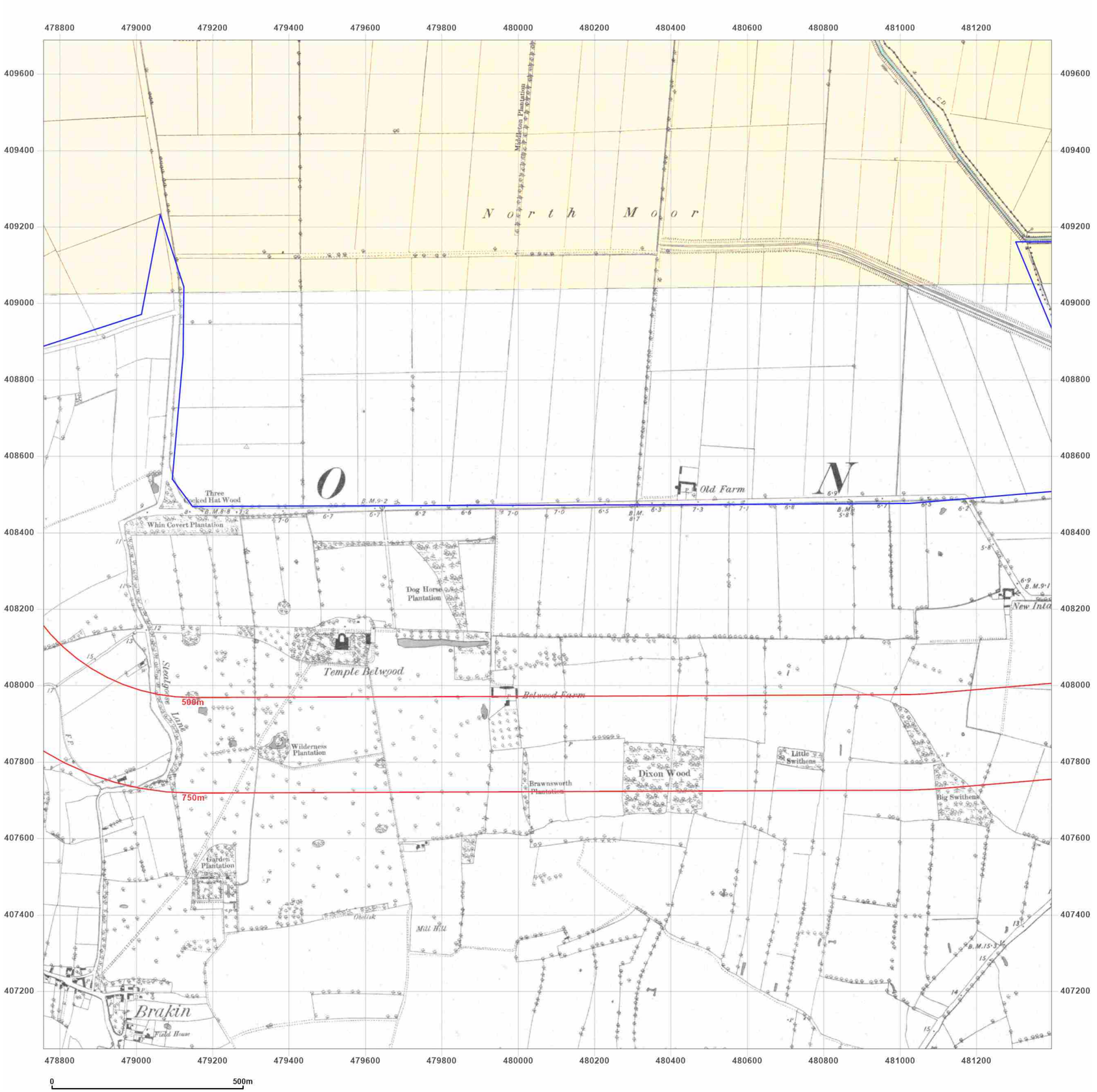
Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

APFP Regulation 5(2)(a)

Document Reference: 6.3.9.1

August 2025

Revision 1



Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: County Series

Map date: **1885**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1885
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

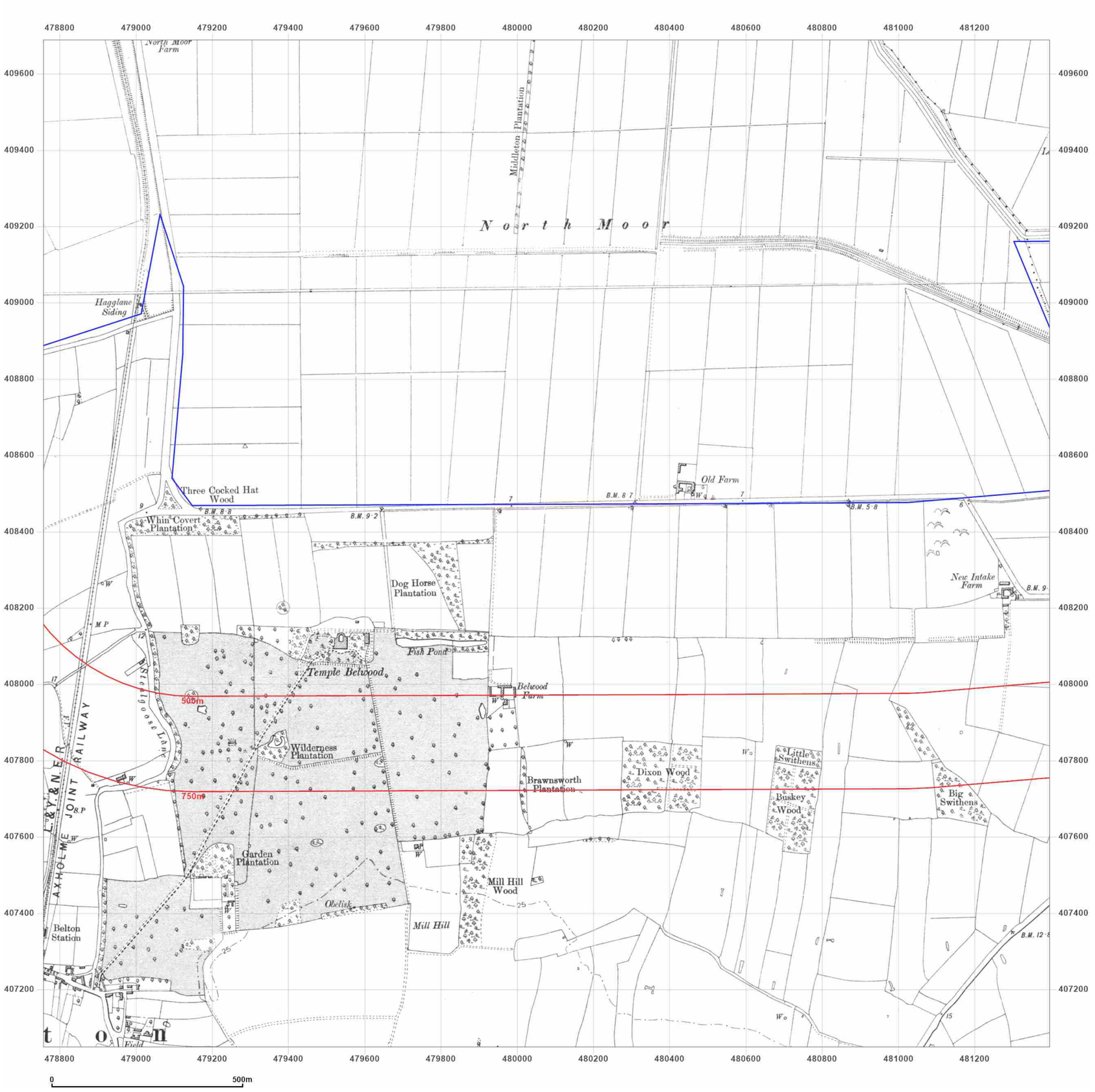
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: County Series

Map date: **1905-1906**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1885
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1905
Edition N/A
Copyright N/A
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: County Series

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1885
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

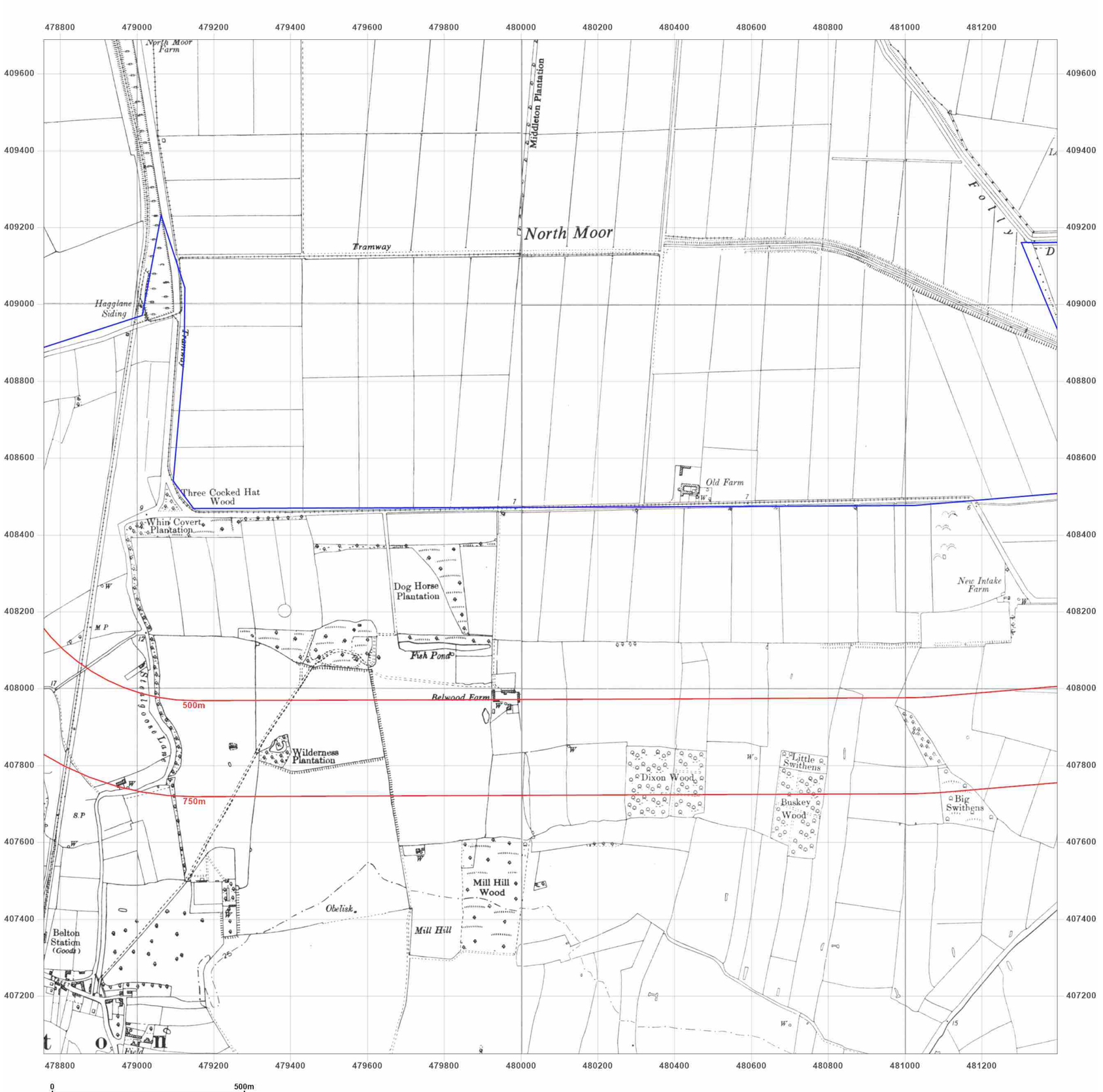
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: Provisional
Map date: **1951**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
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Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

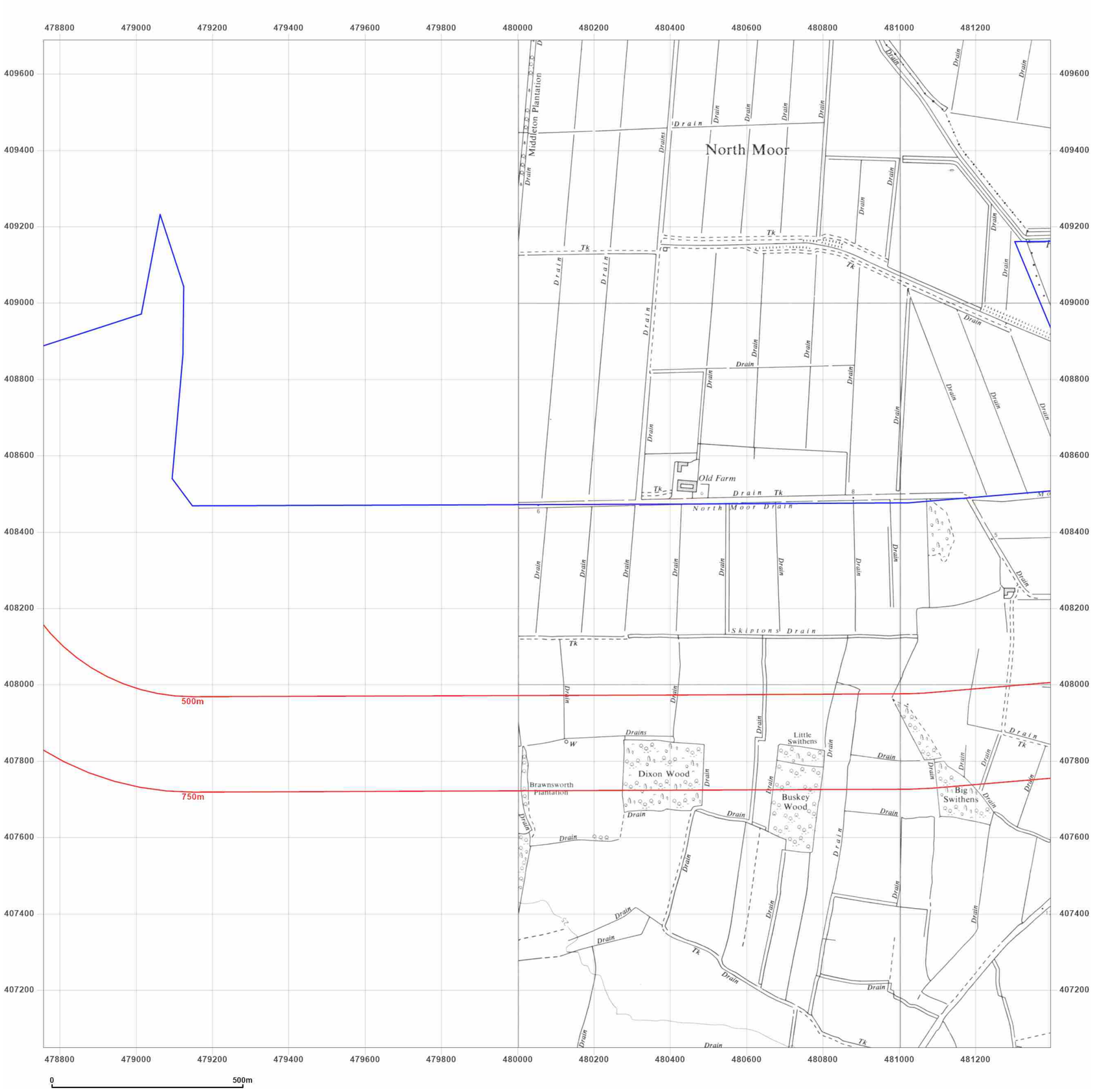
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: Provisional
Map date: **1968**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
S

Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

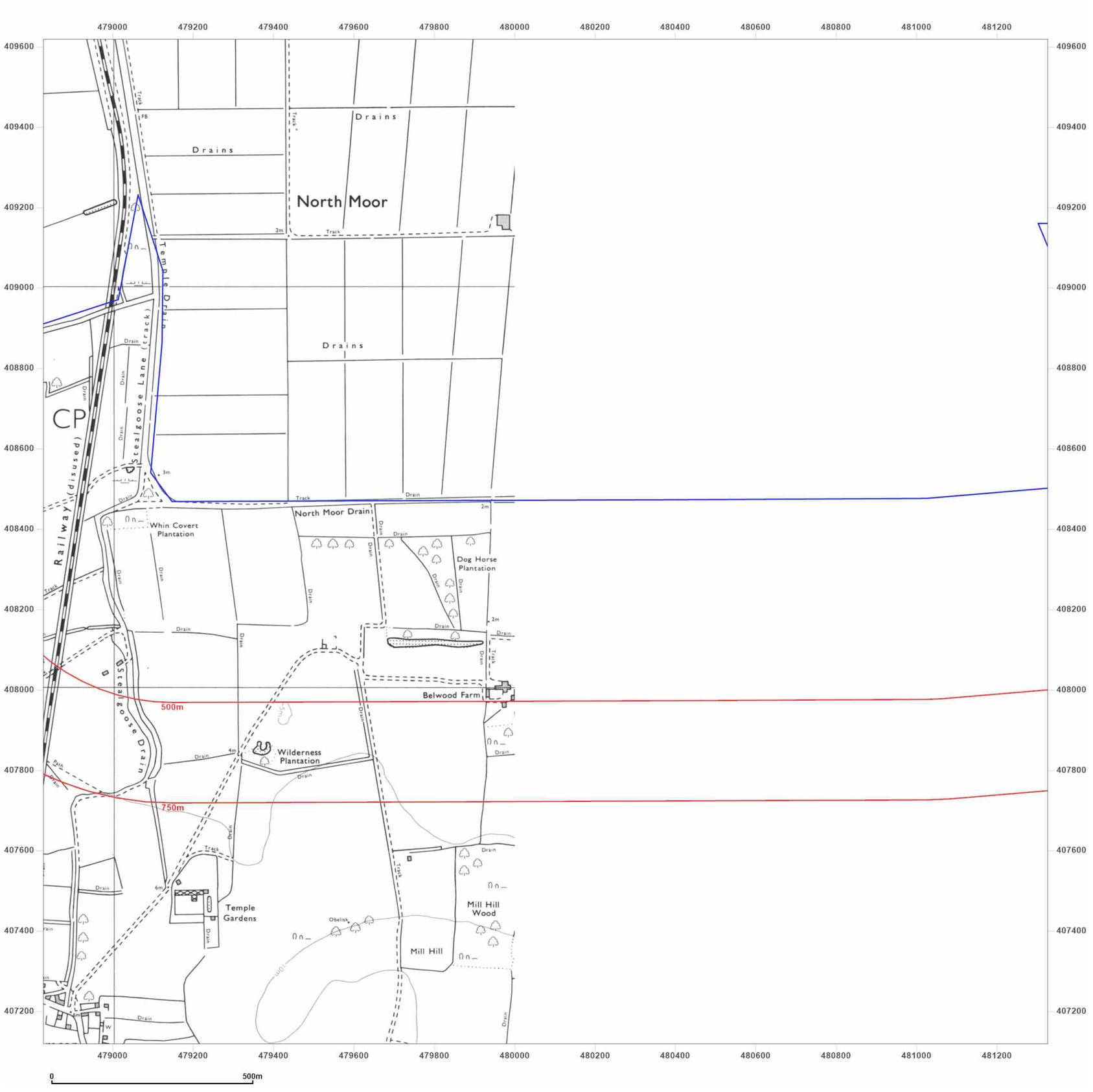
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: National Grid

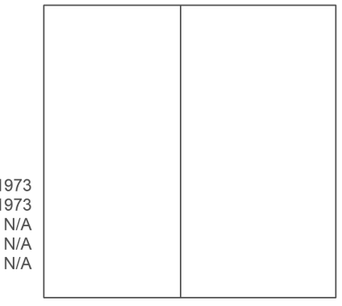
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N
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Surveyed 1973
Revised 1973
Edition N/A
Copyright N/A
Levelled N/A



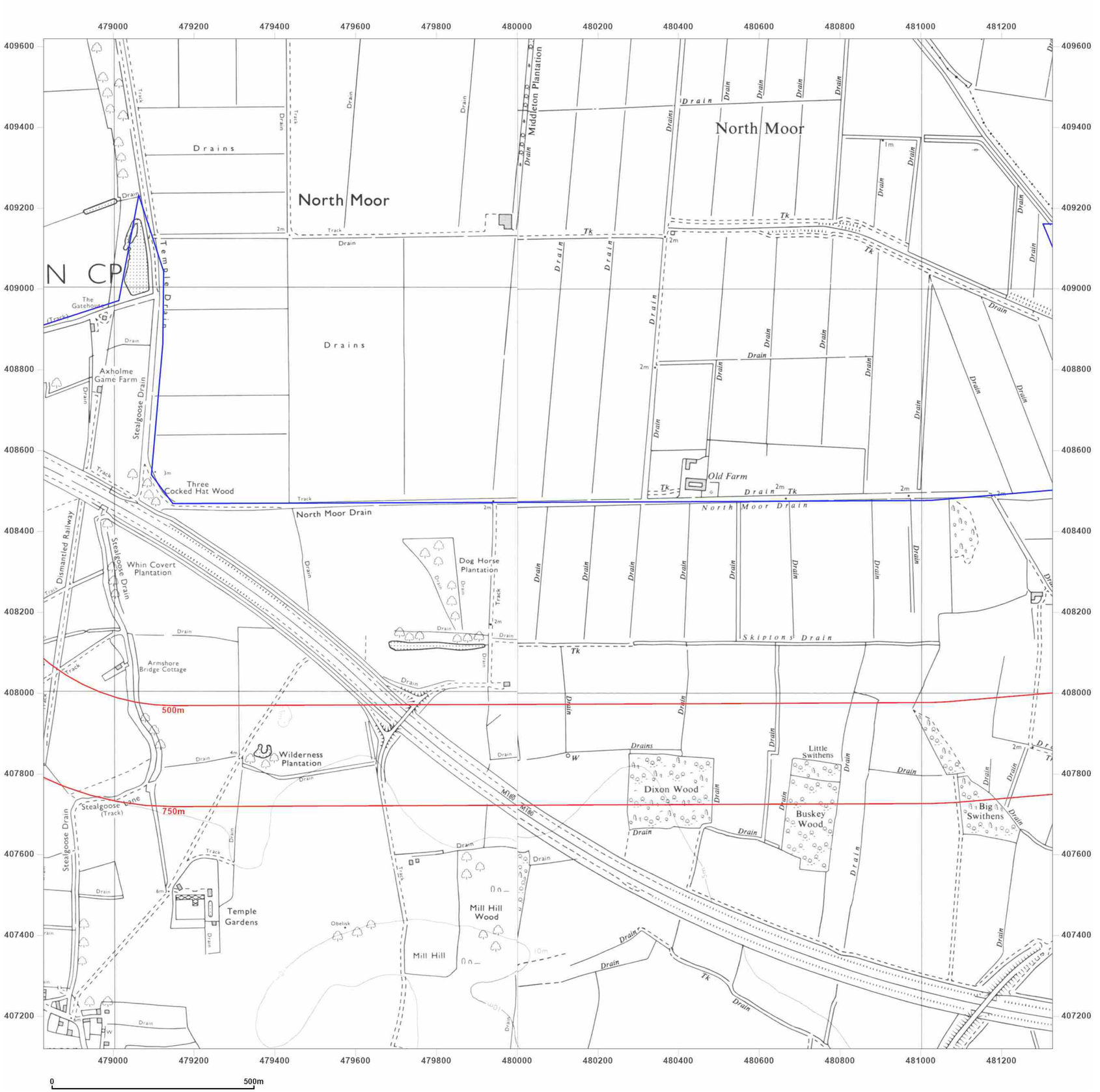
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: National Grid

Map date: **1982**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1981
Revised 1982
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1965
Revised 1982
Edition N/A
Copyright N/A
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: National Grid
Map date: **2001**
Scale: 1:10,000
Printed at: 1:10,000

N
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2001

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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: National Grid
Map date: **2010**
Scale: 1:10,000
Printed at: 1:10,000

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2010

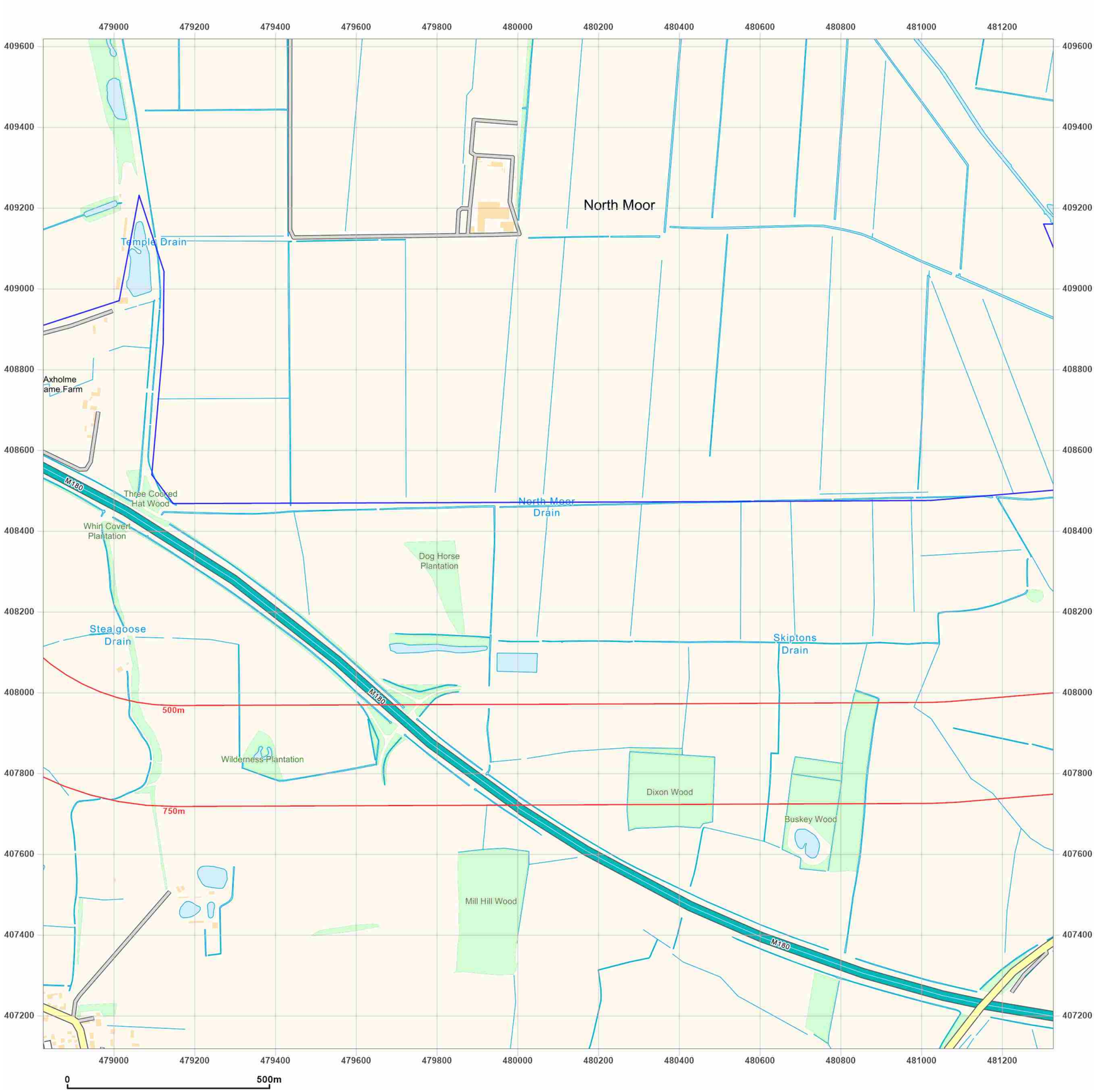
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_1
Grid Ref: 480076, 408368

Map Name: National Grid

Map date: **2025**

Scale: 1:10,000

Printed at: 1:10,000

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2025

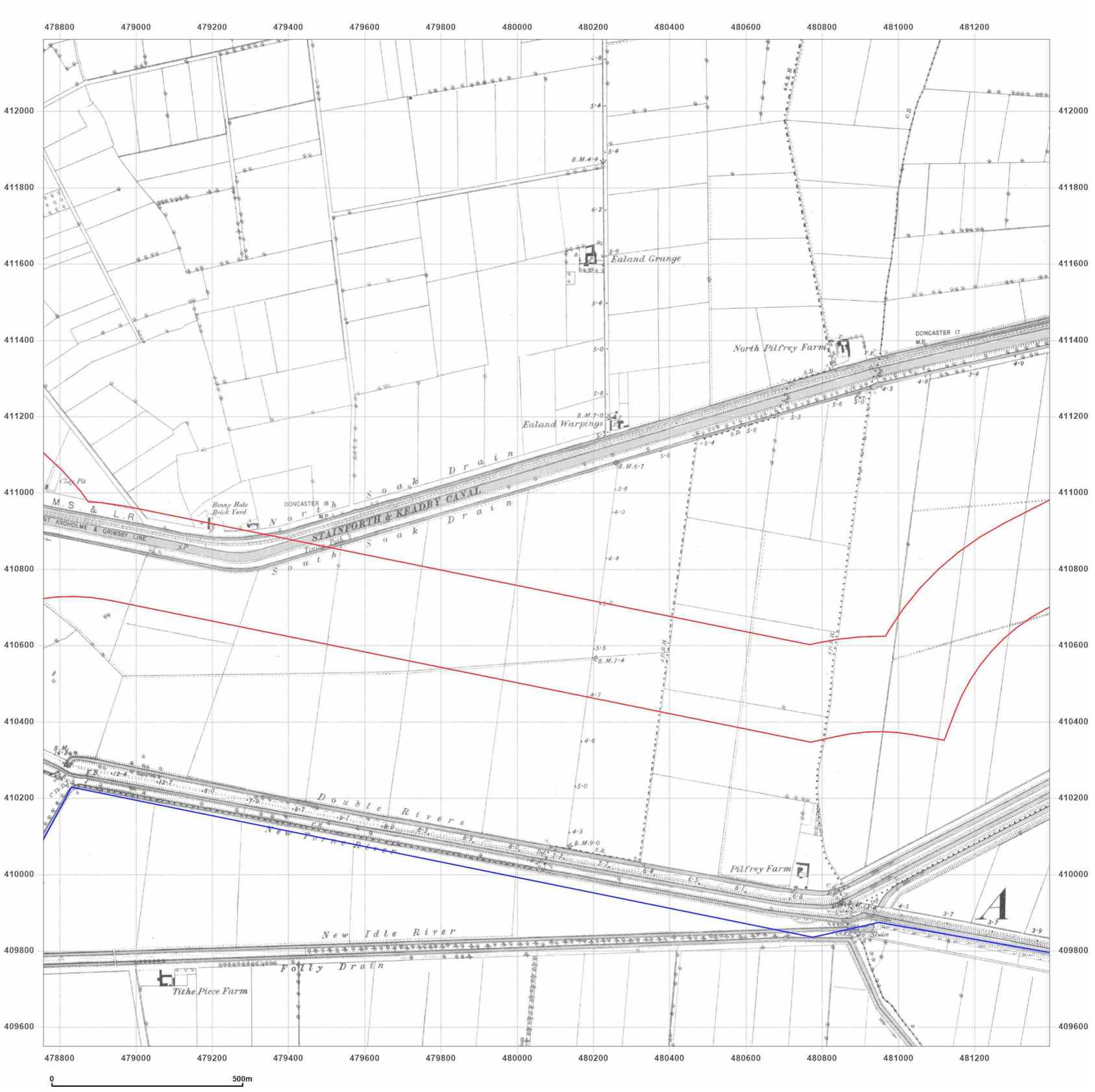
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: County Series

Map date: **1885**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: County Series

Map date: **1885**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1885
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

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Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: County Series

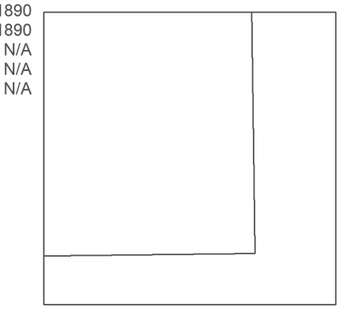
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Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1890
Revised 1890
Edition N/A
Copyright N/A
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: County Series

Map date: **1906**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1885
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

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Site Details:

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Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: County Series

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1885
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

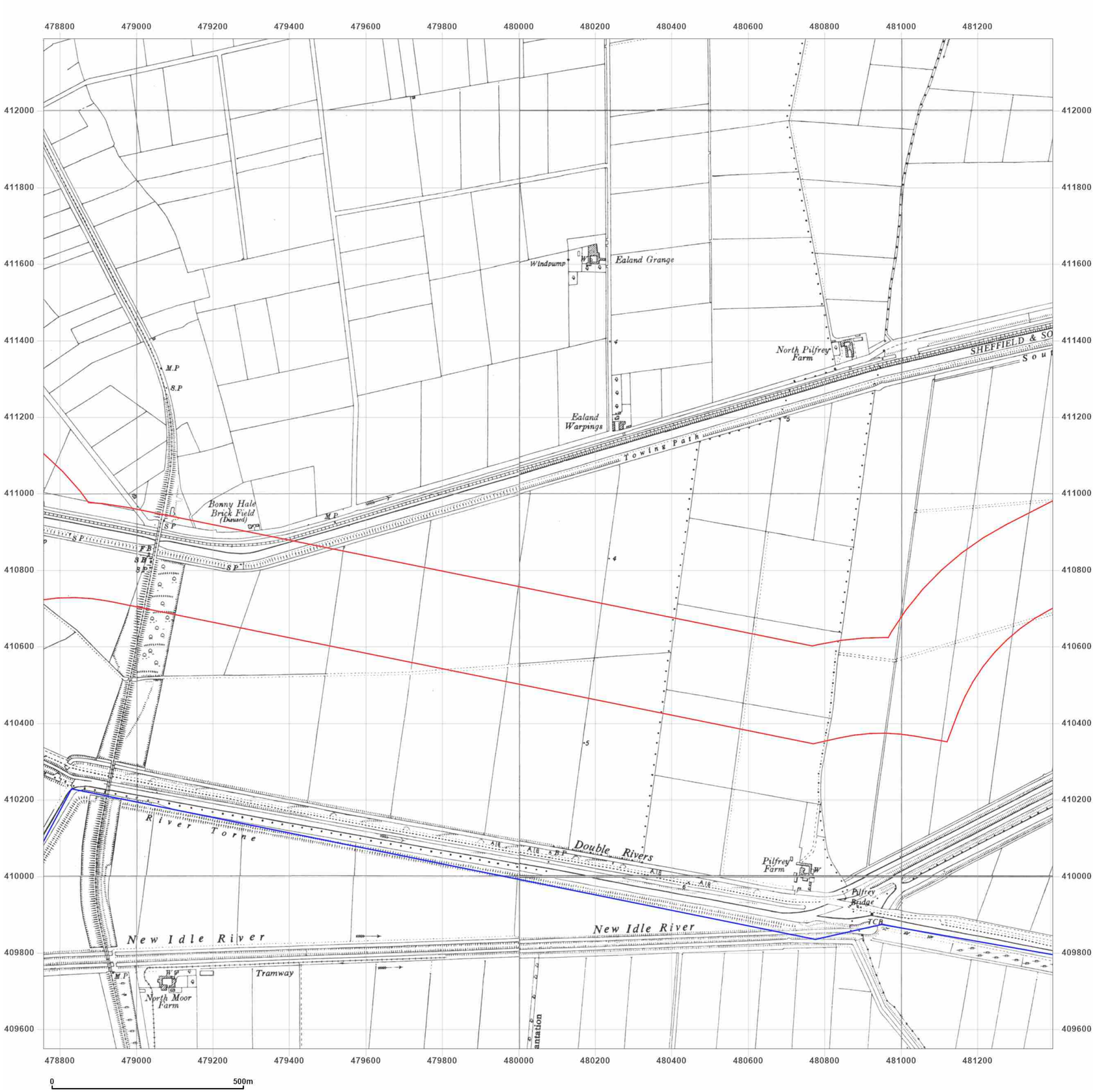
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Site Details:

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Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: Provisional
Map date: **1951**
Scale: 1:10,560
Printed at: 1:10,560

N
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Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
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Copyright N/A
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Surveyed 1951
Revised 1951
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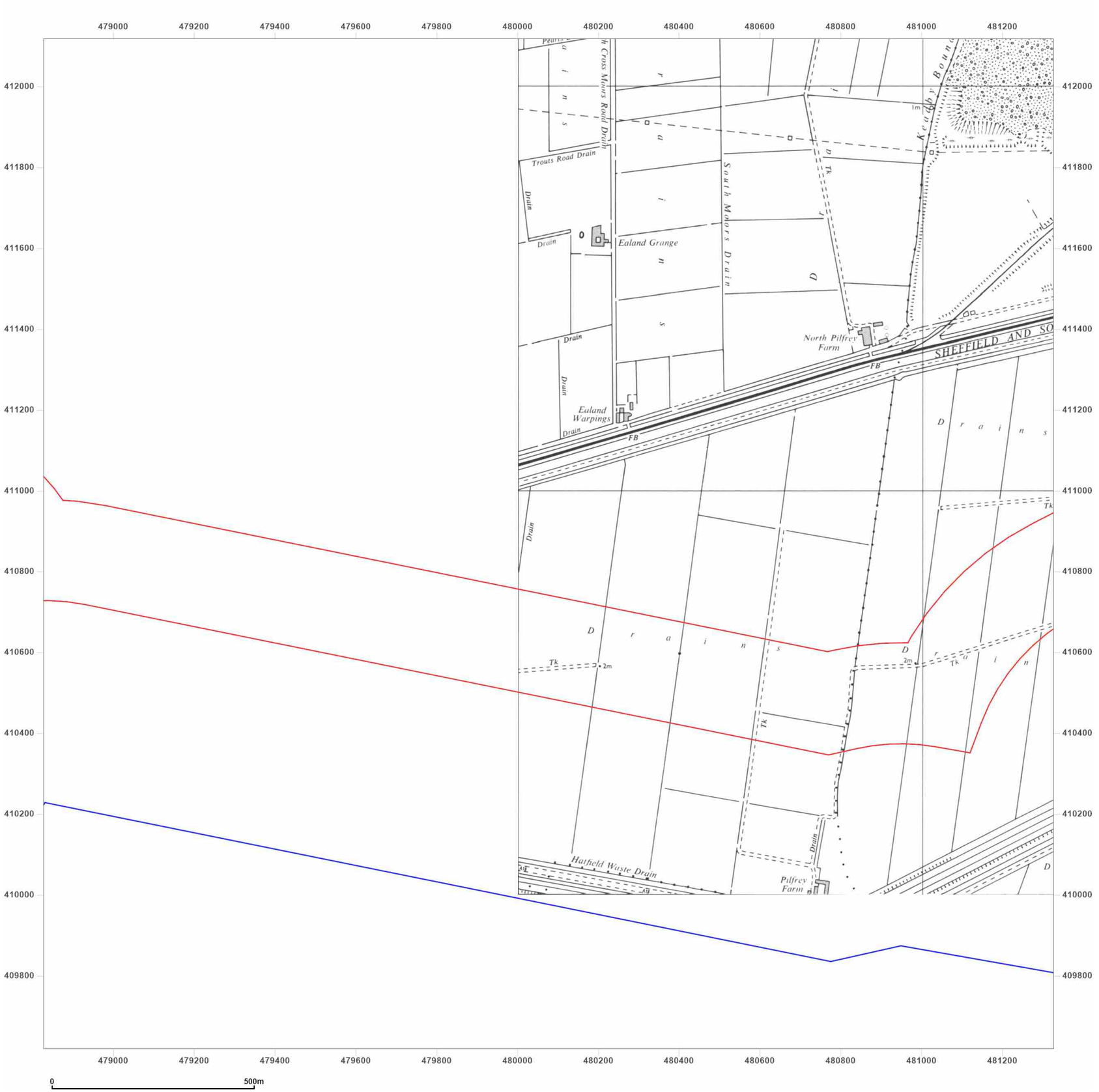
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: National Grid

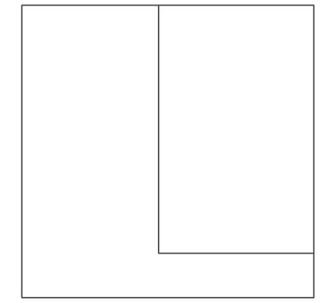
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N
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Surveyed 1966
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A



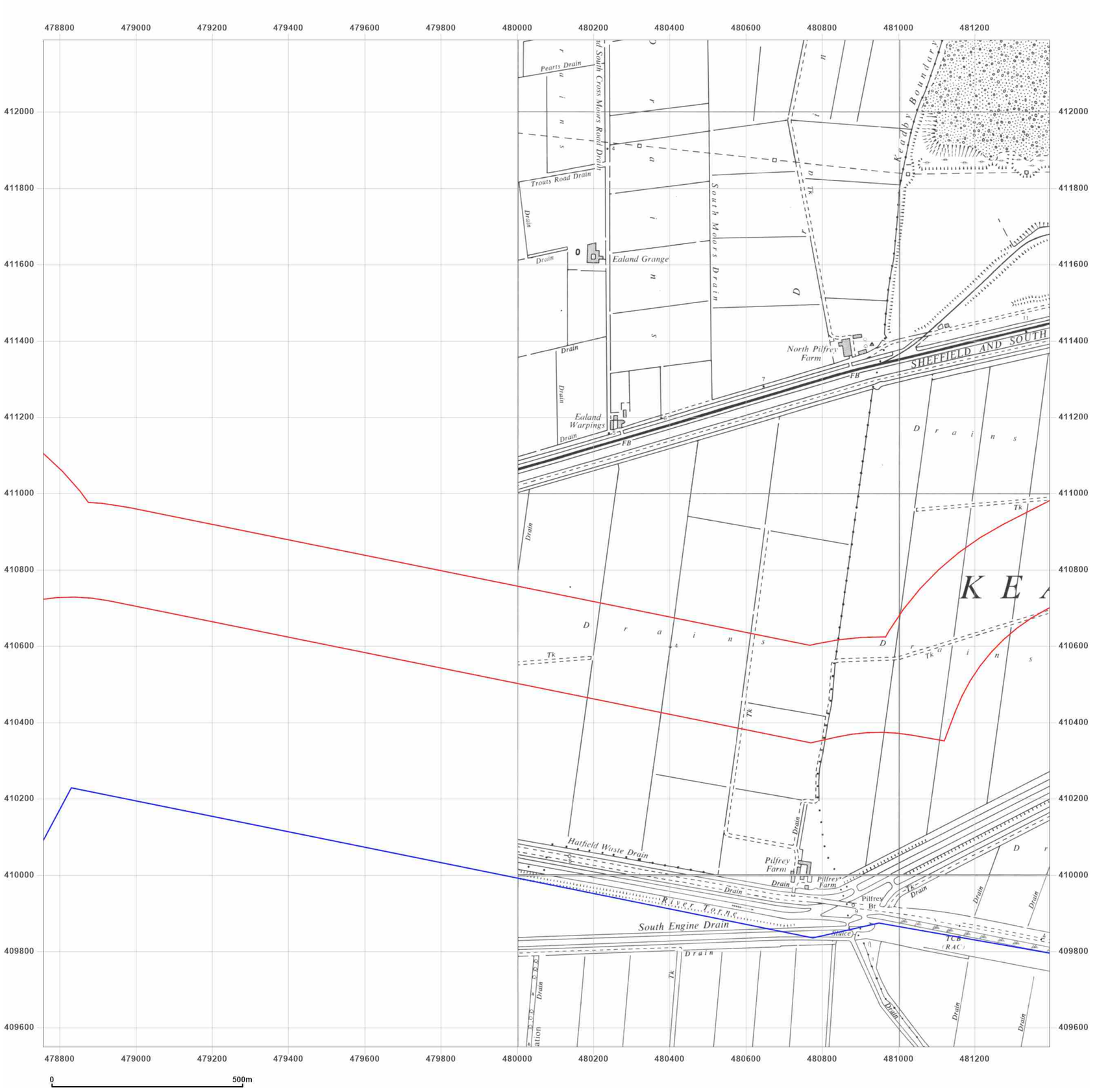
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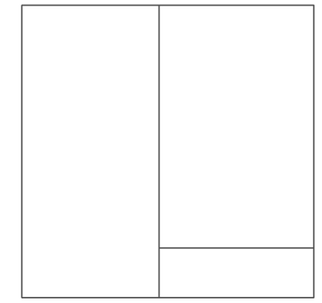
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Tween Bridge Area F

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Grid Ref: 480076, 410868

Map Name: Provisional
Map date: **1967-1968**
Scale: 1:10,560
Printed at: 1:10,560

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Surveyed 1967
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

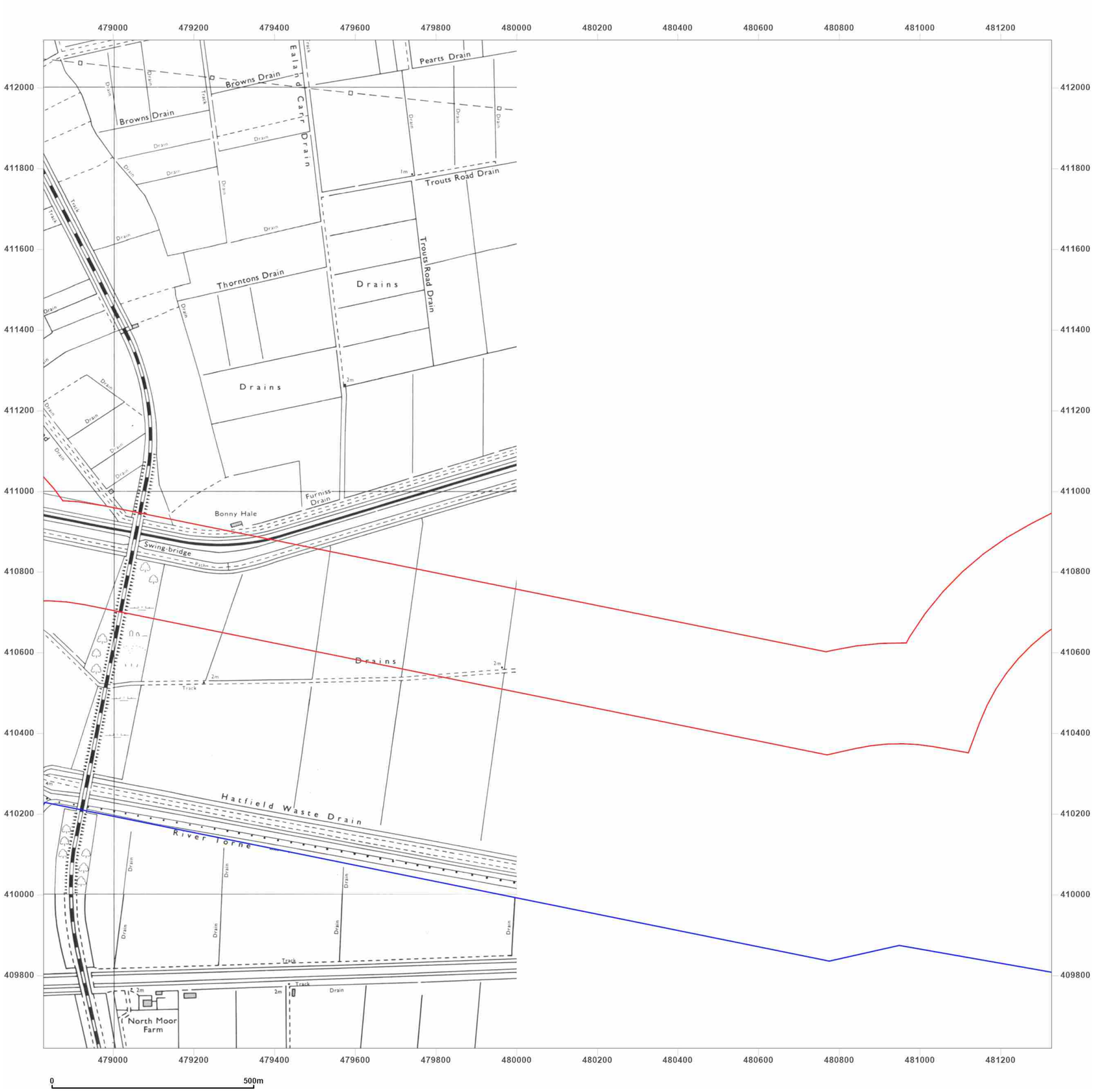
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: National Grid

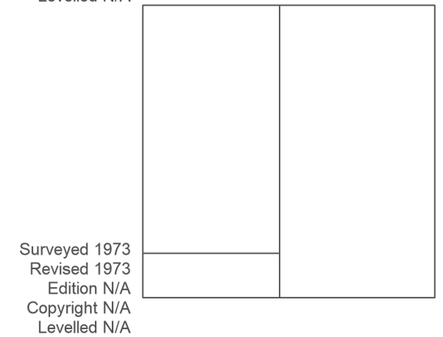
Map date: **1973**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1973
Revised 1973
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1973
Revised 1973
Edition N/A
Copyright N/A
Levelled N/A

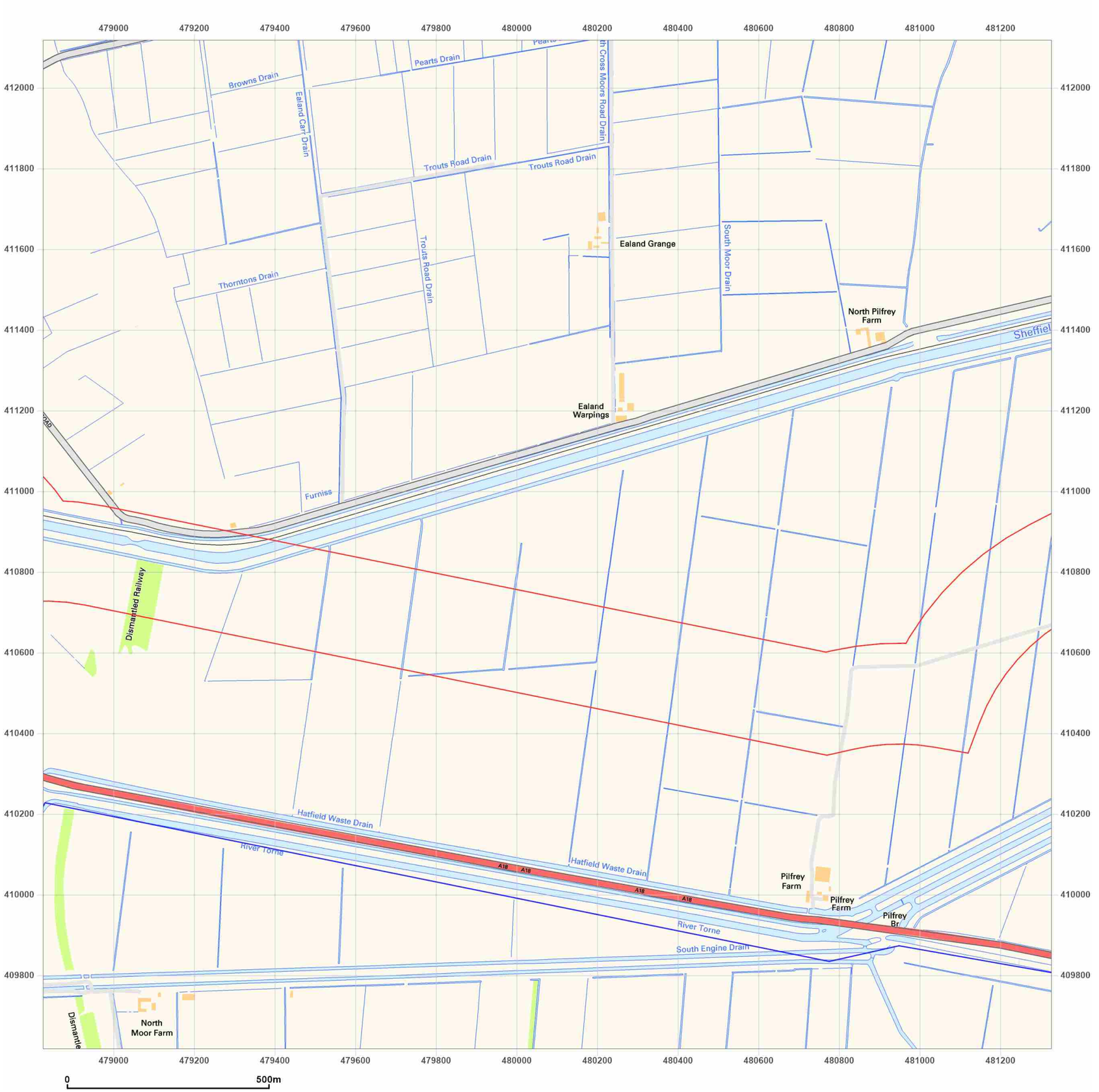
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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2001

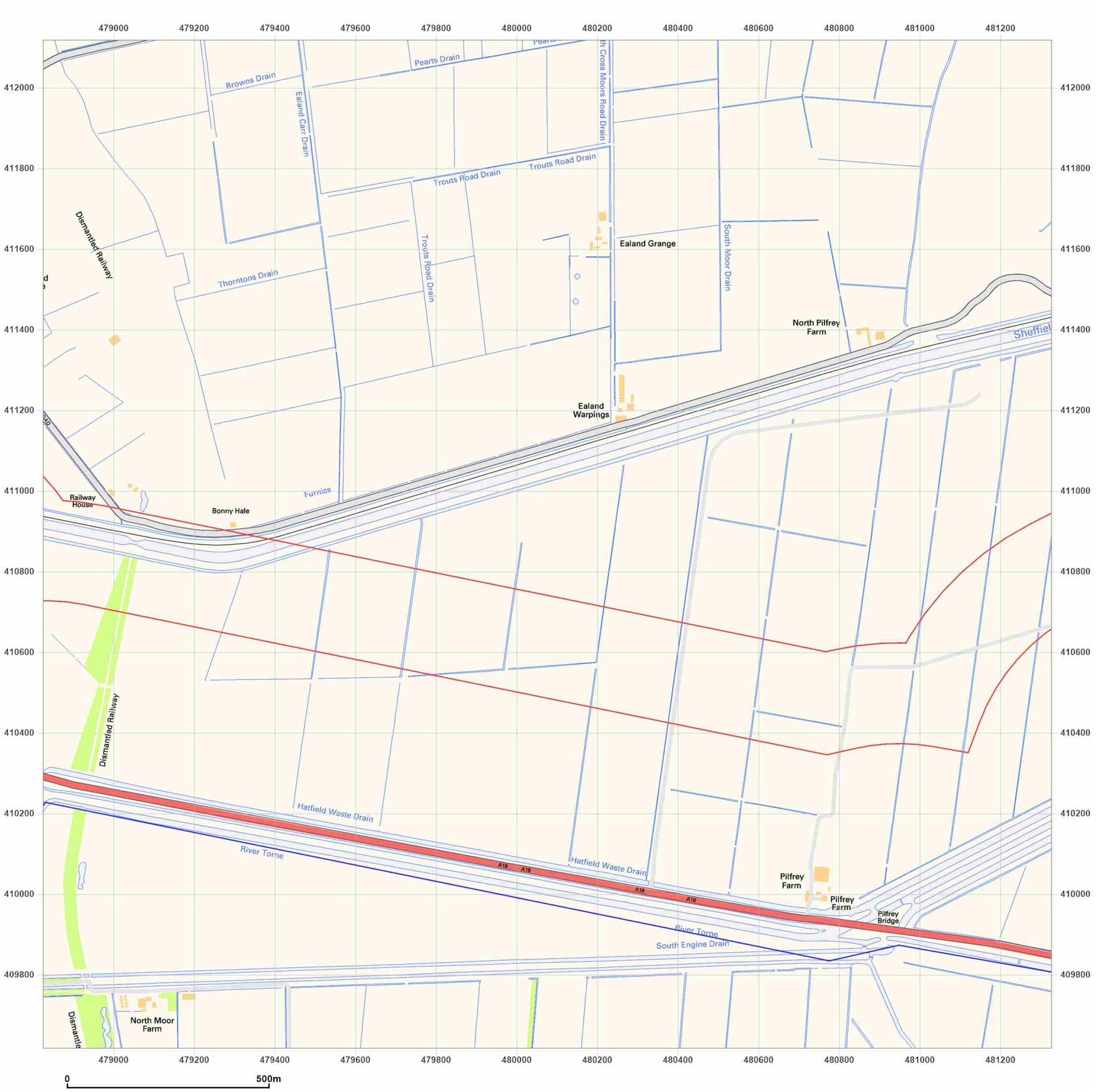
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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2010

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Report Ref: GS-91E-HSN-TBG-8PG_SS_2_2
Grid Ref: 480076, 410868

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Printed at: 1:10,000

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2025

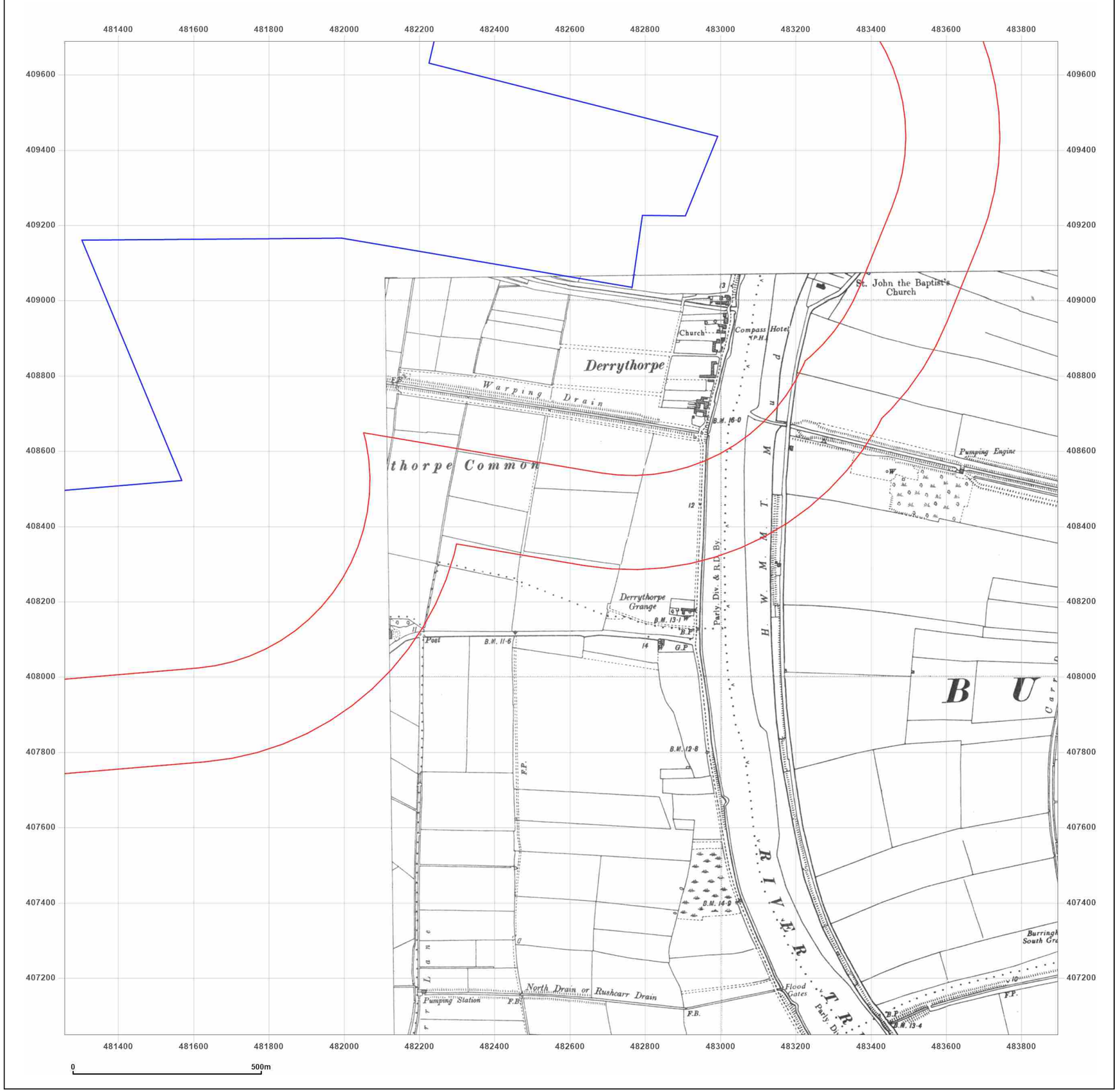
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

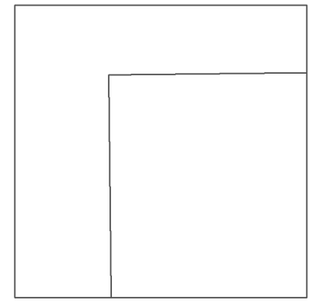
Map Name: County Series

Map date: **1885**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

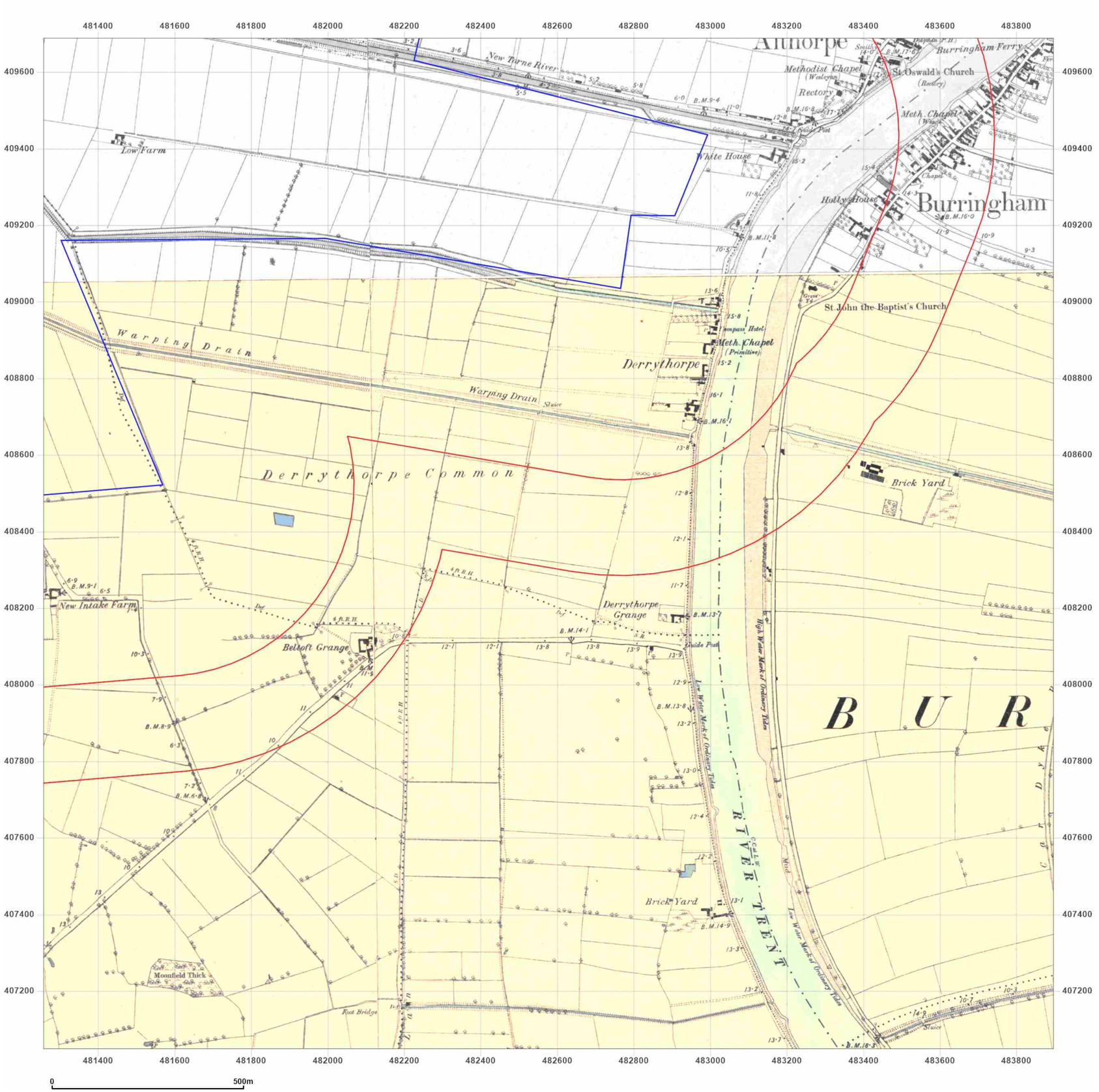
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: County Series

Map date: **1885**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

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Surveyed 1885
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

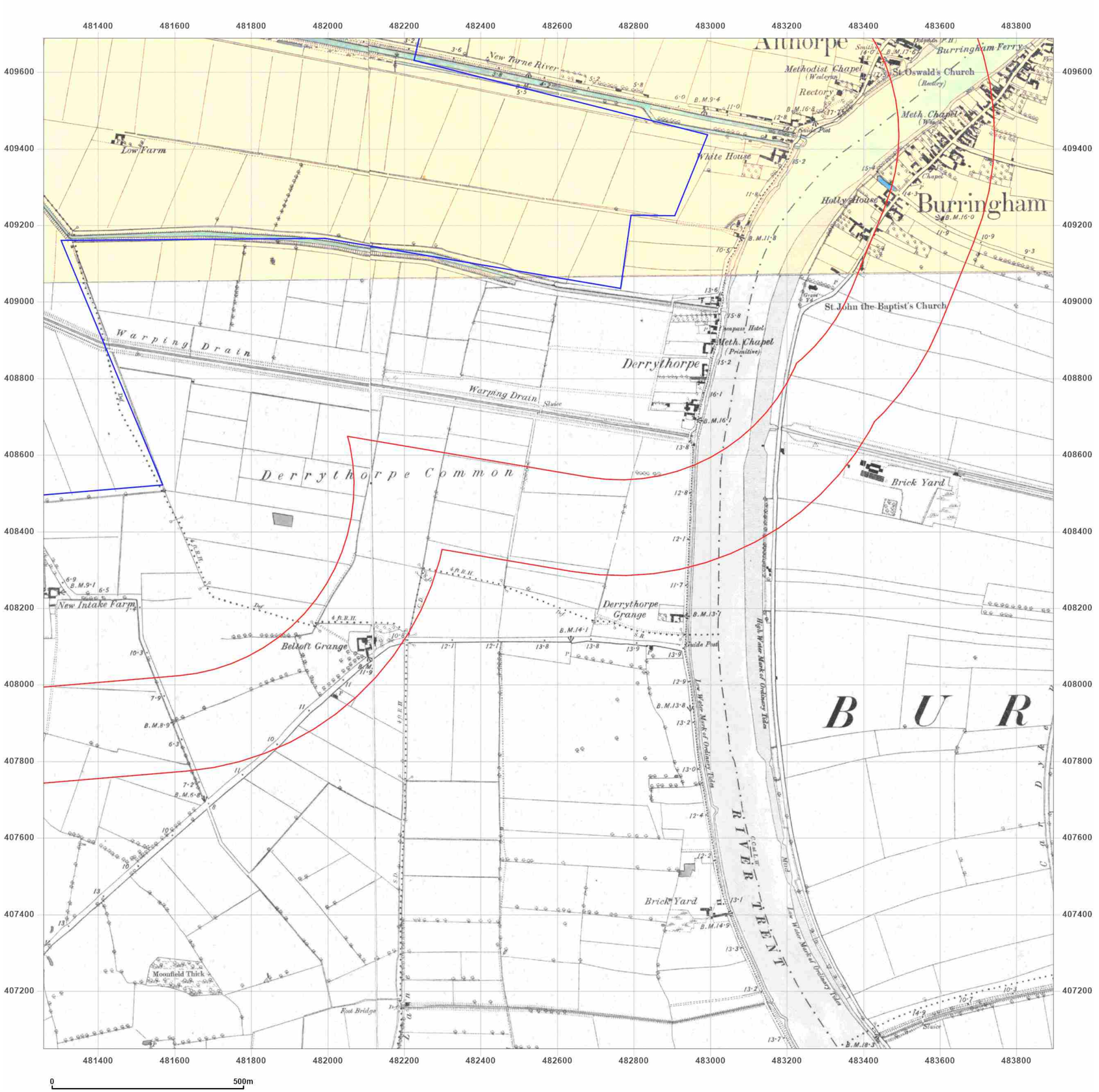
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: County Series

Map date: **1885**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1885
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
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Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
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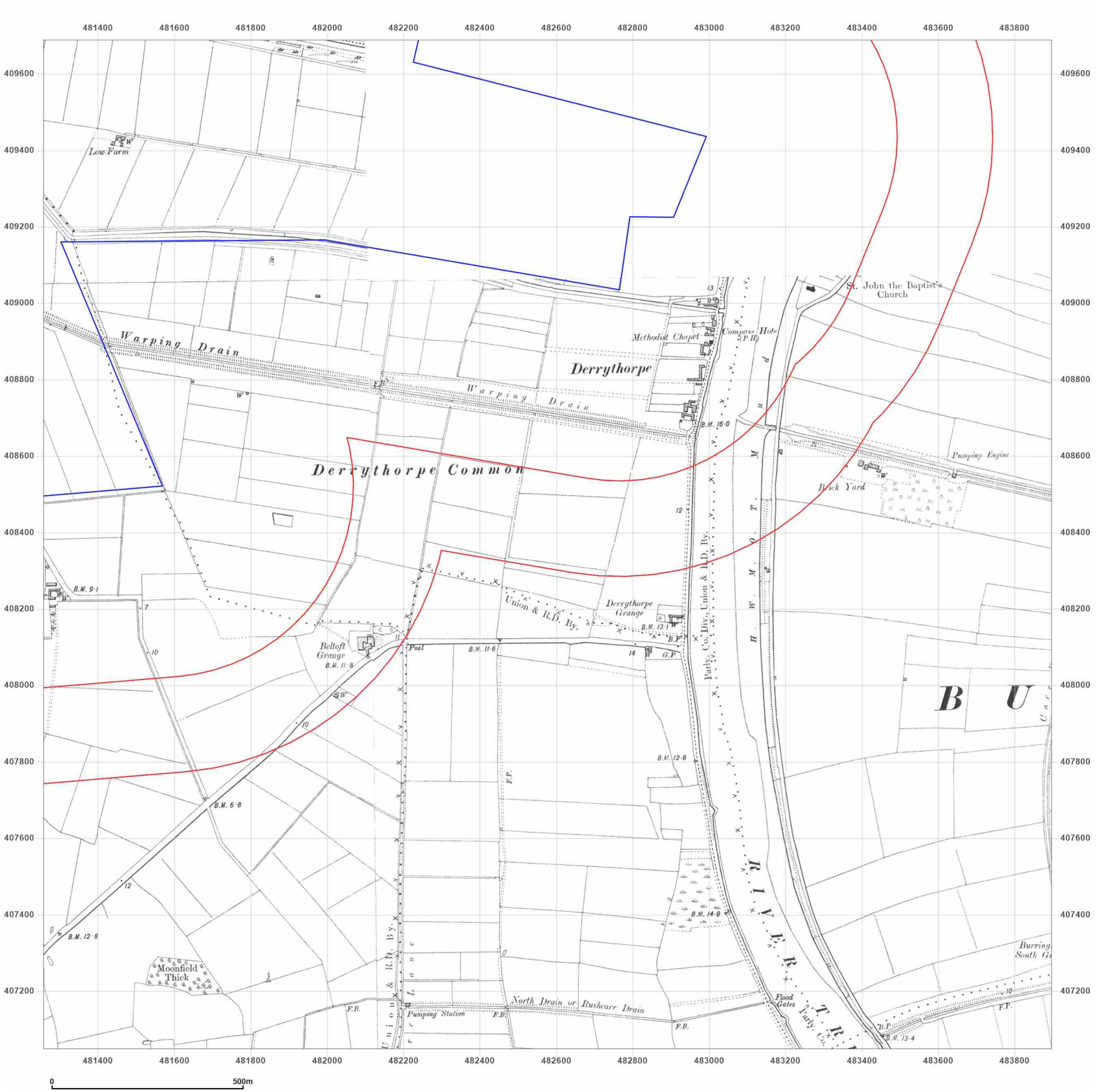
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: County Series

Map date: **1905-1907**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1885
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

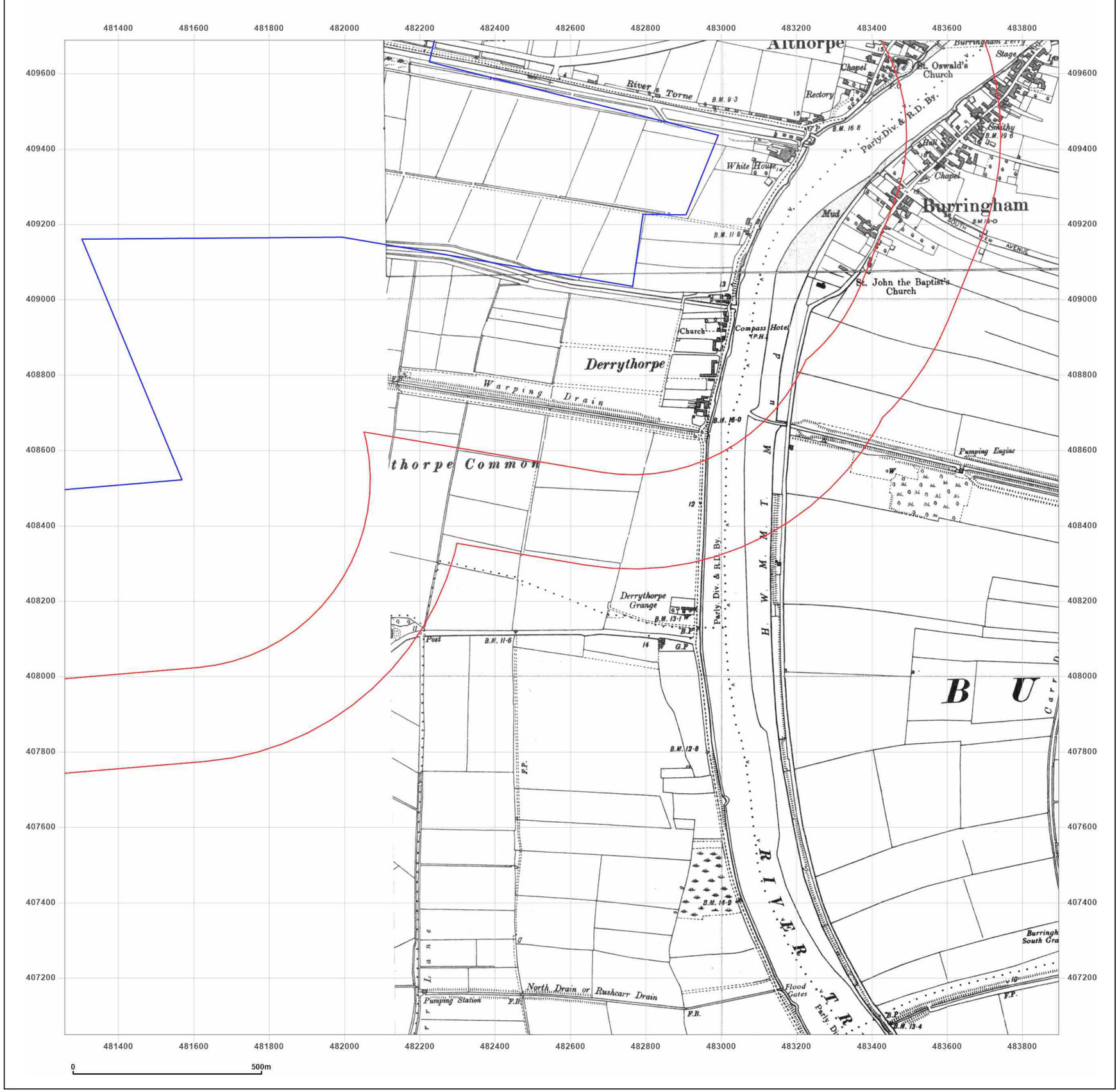
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: County Series

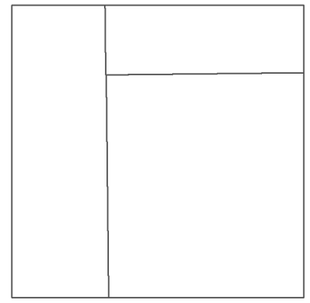
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Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1885
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

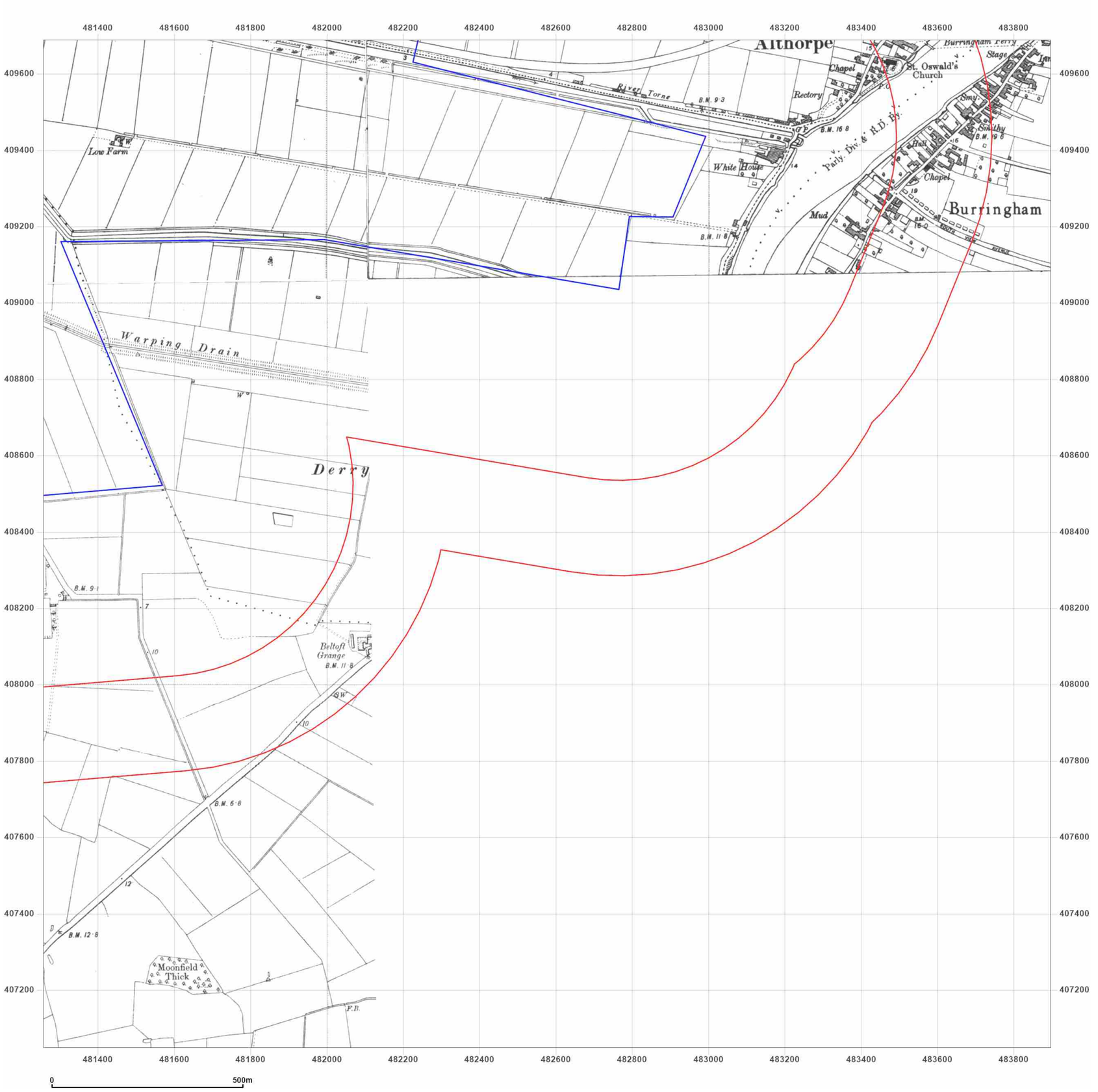
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: County Series
Map date: **1948-1949**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
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Surveyed 1885
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1949
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

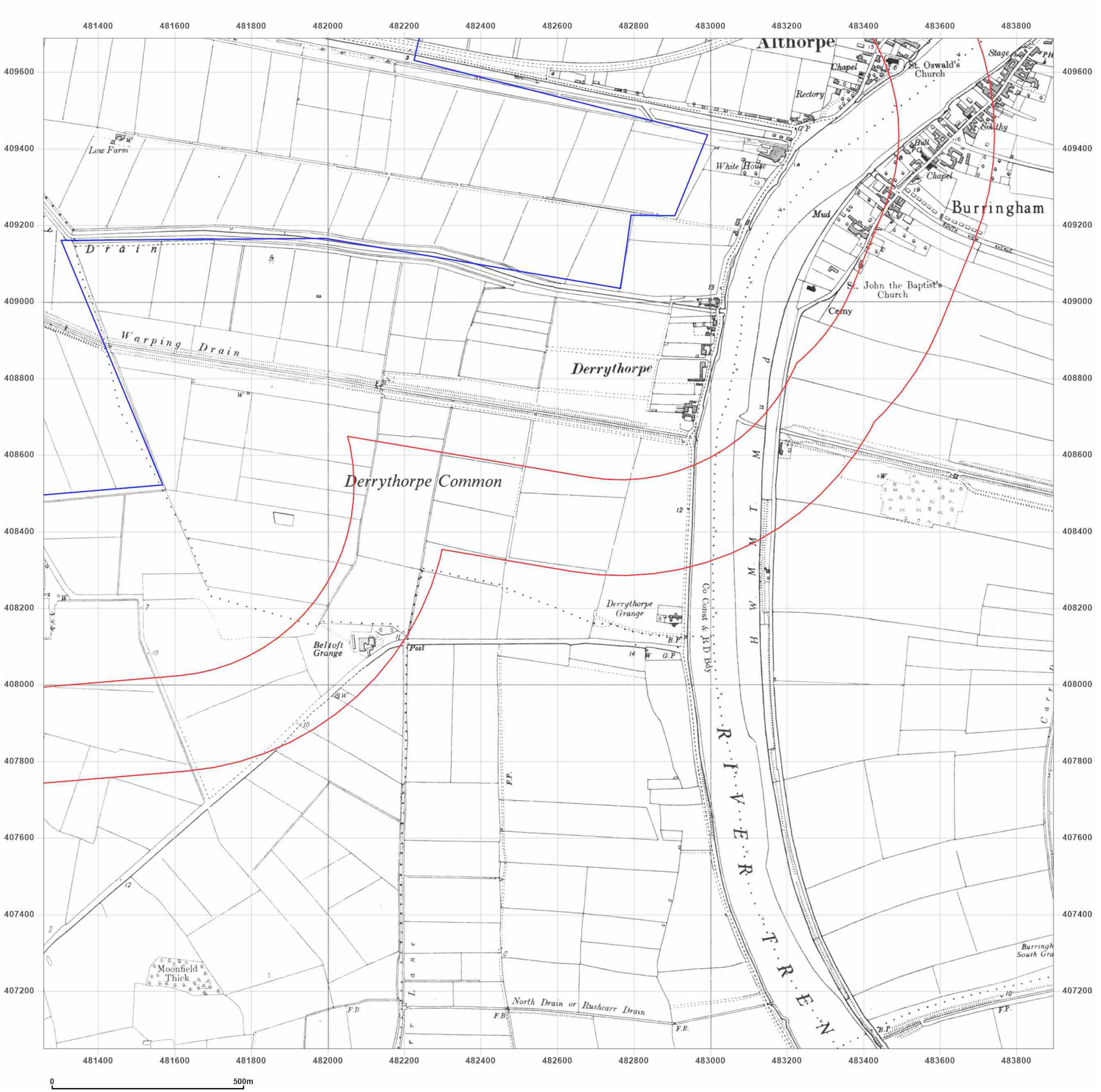
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: Provisional
Map date: **1951**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
S

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

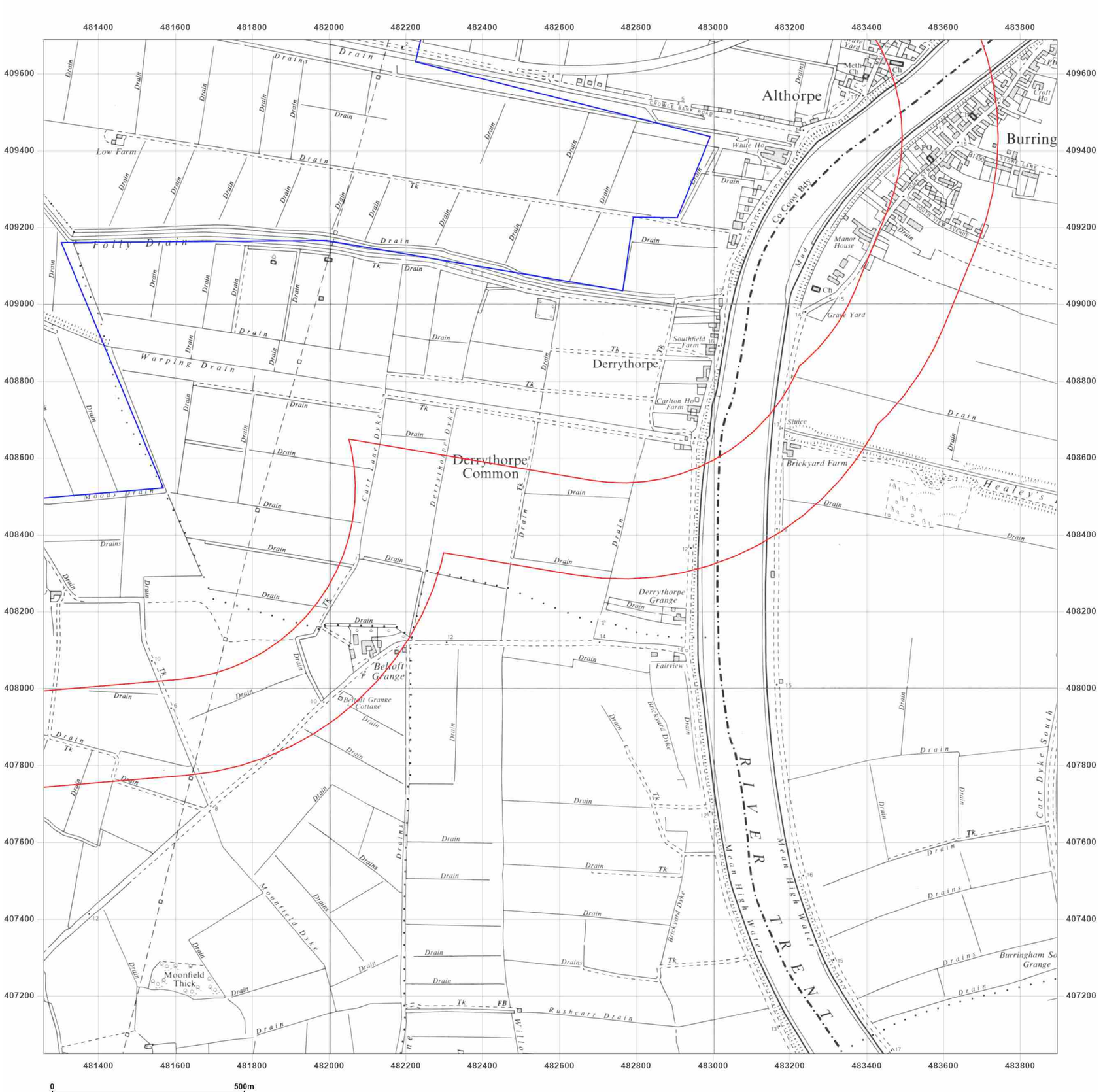
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: Provisional
Map date: **1968**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
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Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

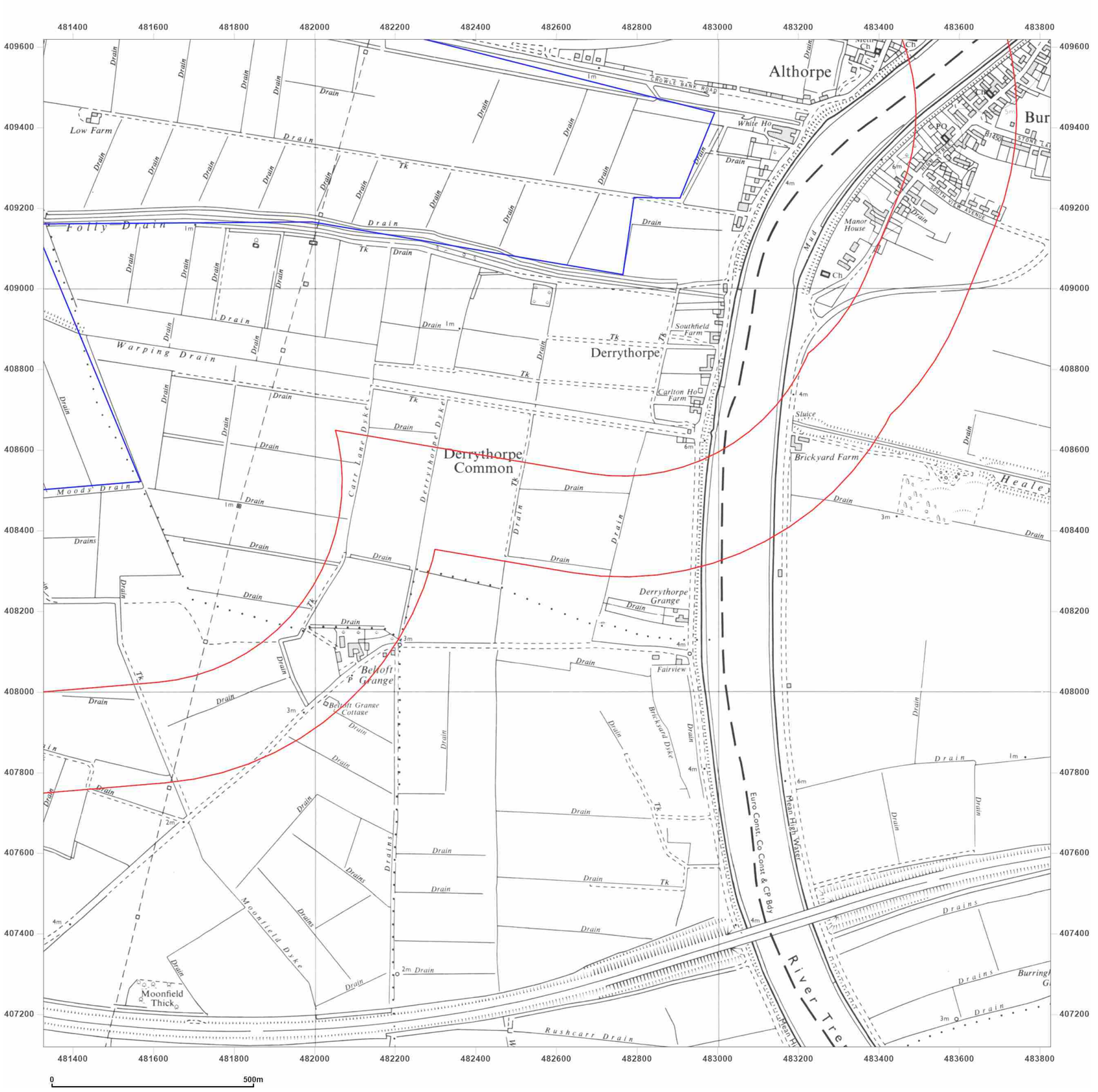
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: National Grid

Map date: **1982**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1965
Revised 1982
Edition N/A
Copyright N/A
Levelled N/A

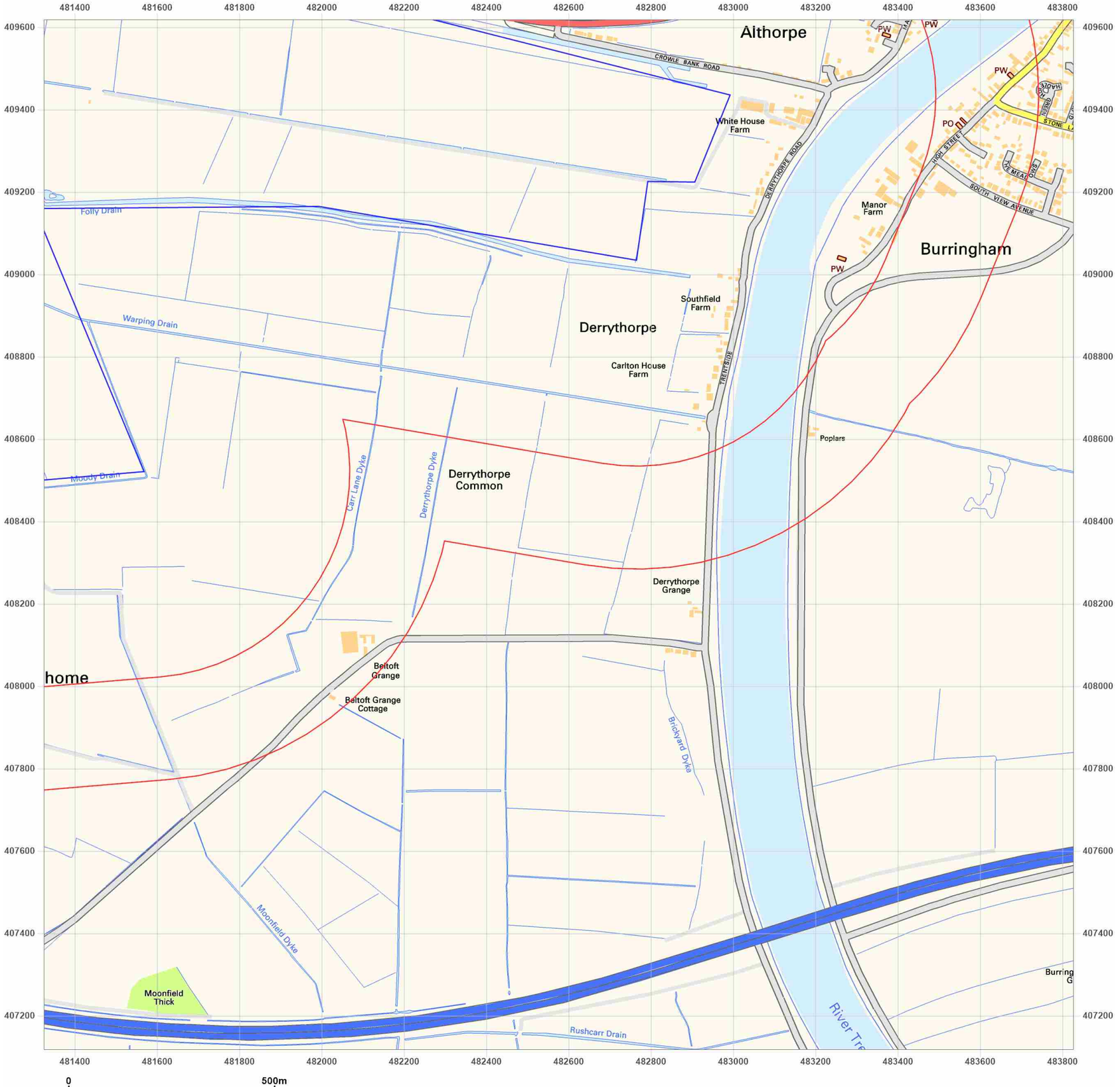
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: National Grid
Map date: **2001**
Scale: 1:10,000
Printed at: 1:10,000

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2001

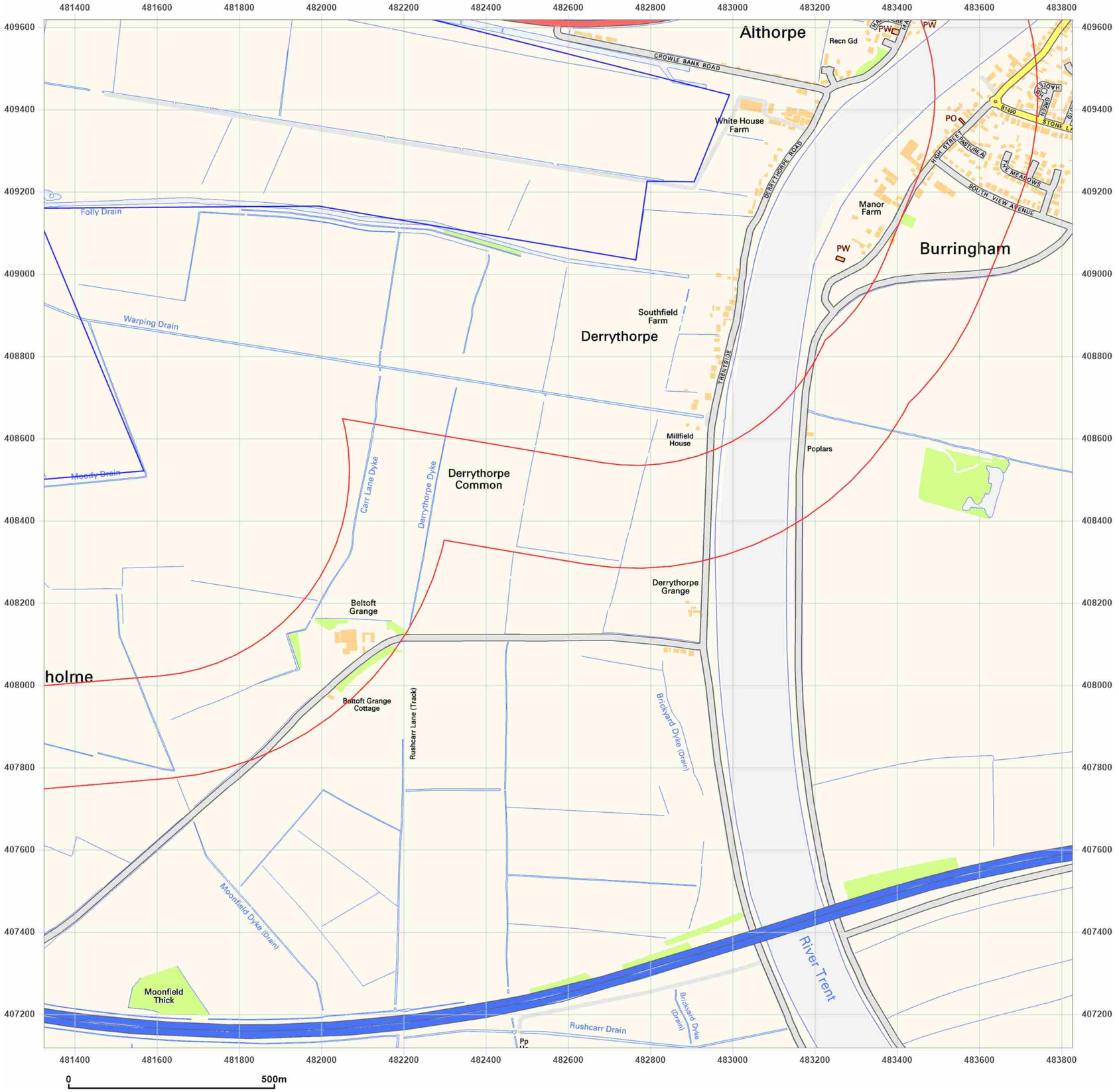
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: National Grid
Map date: **2010**
Scale: 1:10,000
Printed at: 1:10,000

N
W E
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2010

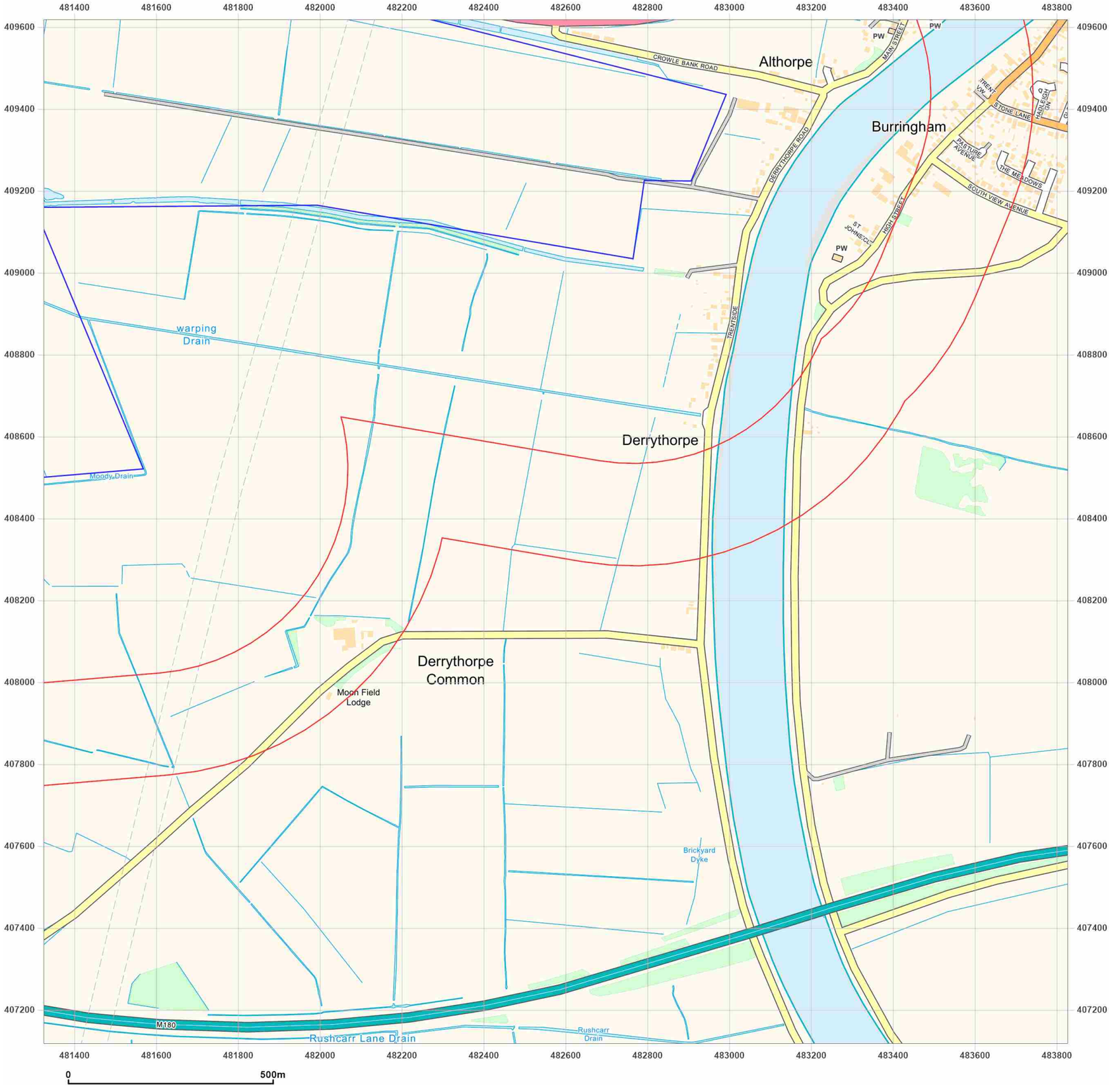
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_1
Grid Ref: 482576, 408368

Map Name: National Grid

Map date: **2025**

Scale: 1:10,000

Printed at: 1:10,000

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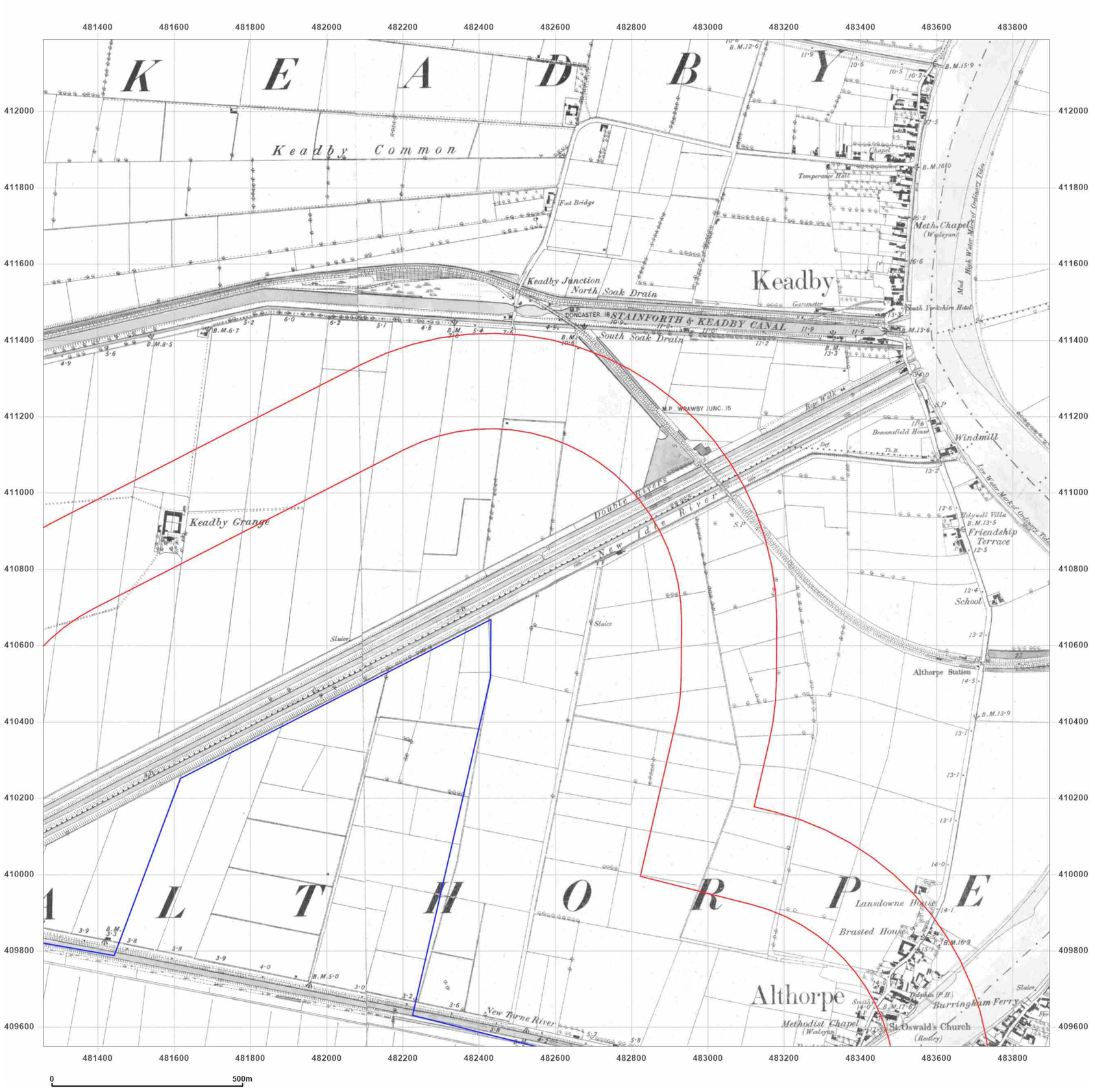
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

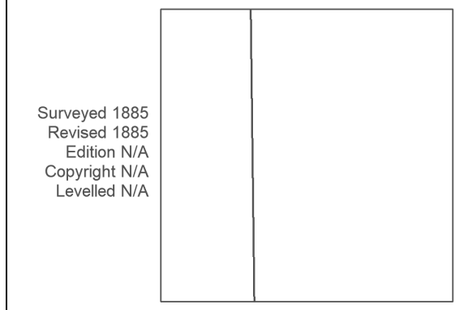
Map Name: County Series

Map date: **1885**

Scale: 1:10,560

Printed at: 1:10,560

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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

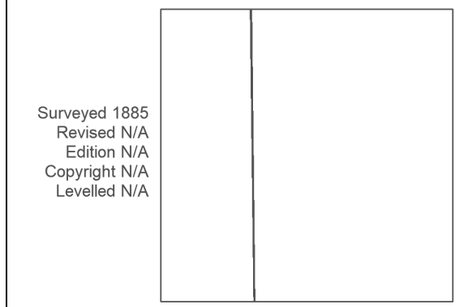
Map Name: County Series

Map date: **1885**

Scale: 1:10,560

Printed at: 1:10,560

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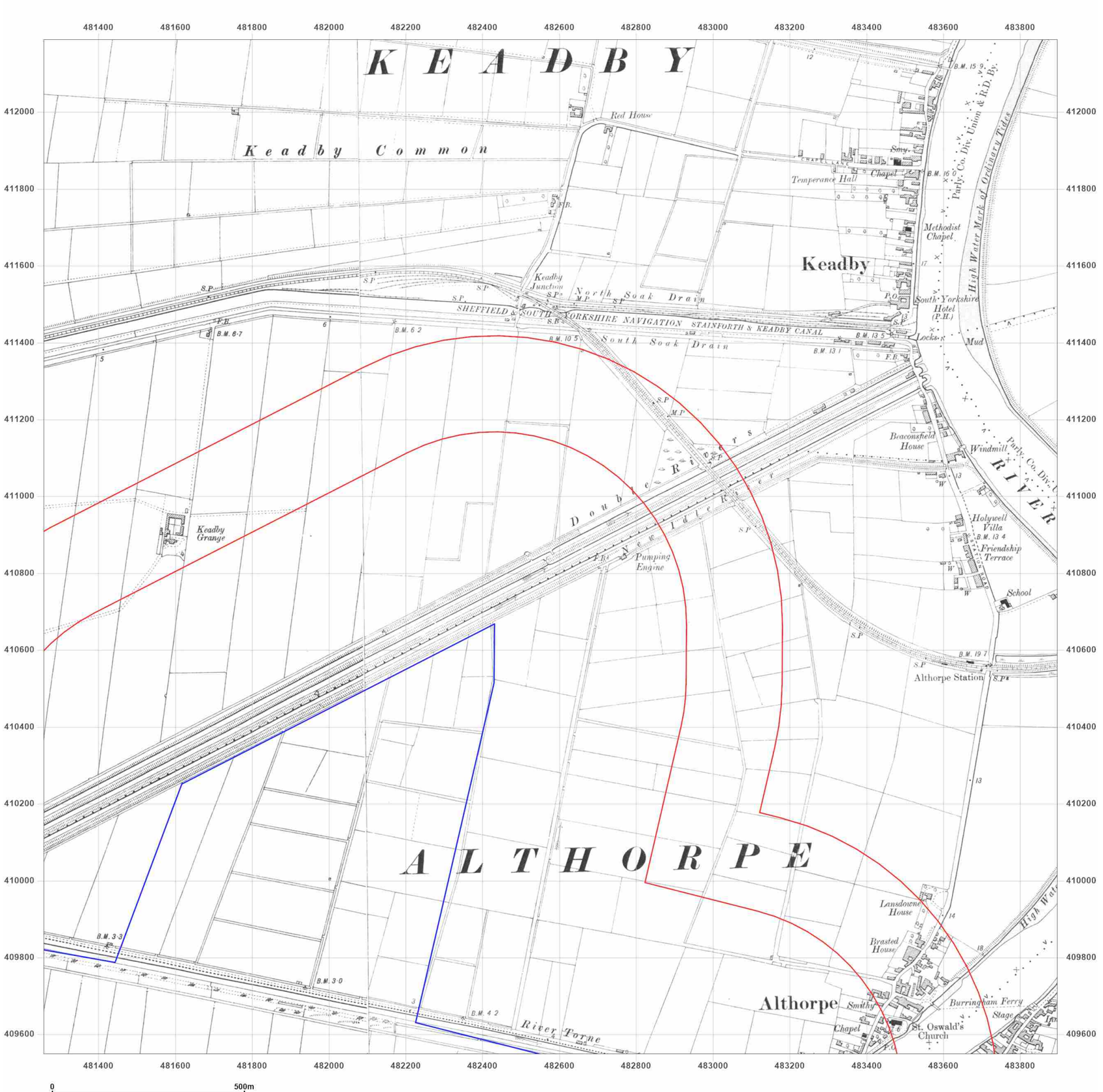
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

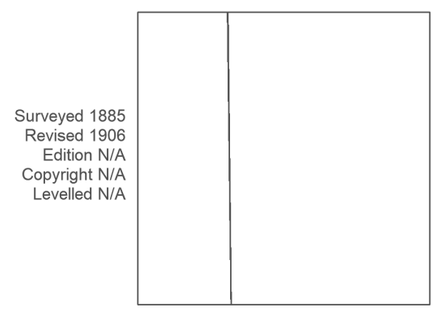
Map Name: County Series

Map date: **1906**

Scale: 1:10,560

Printed at: 1:10,560

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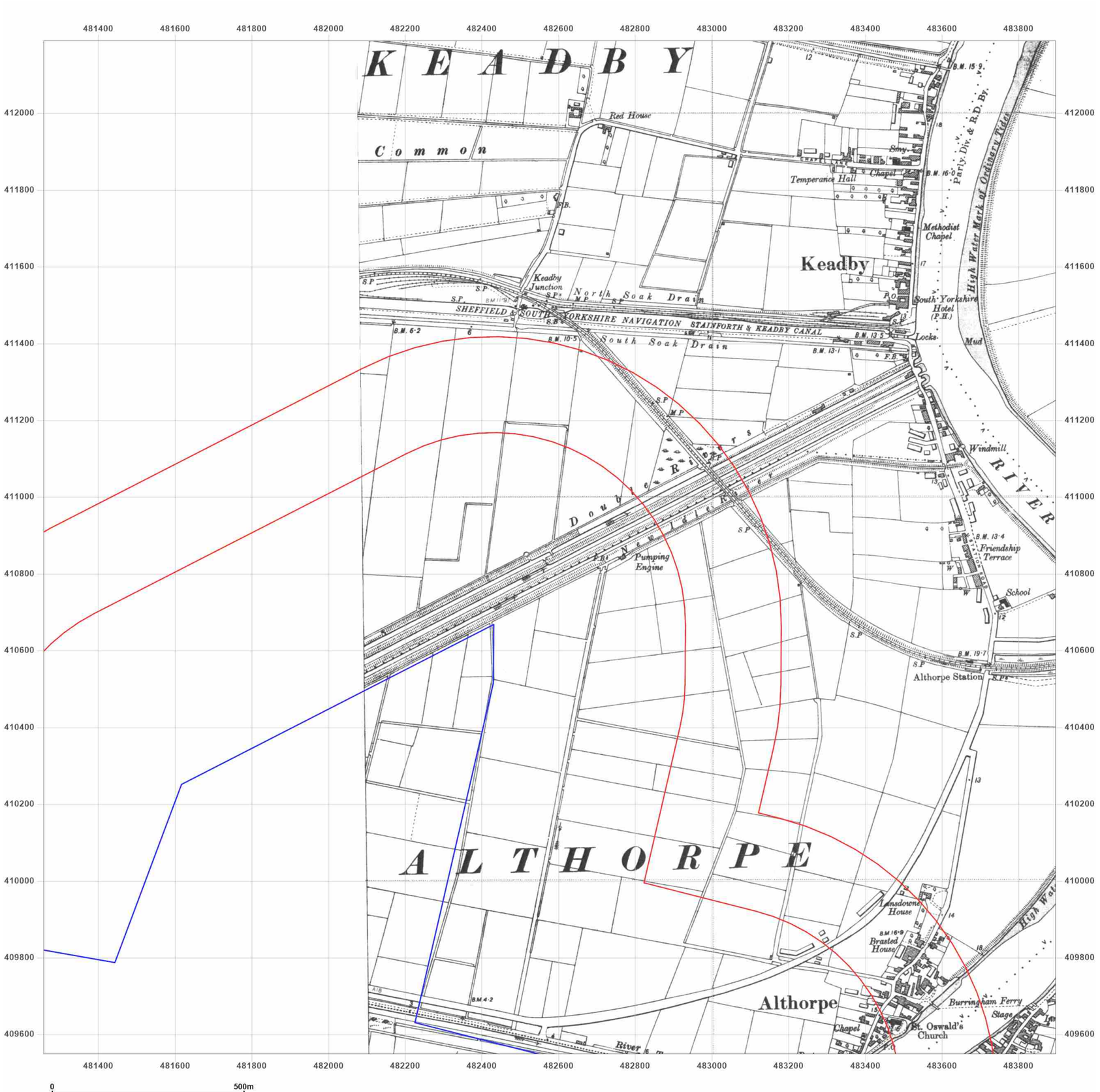
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

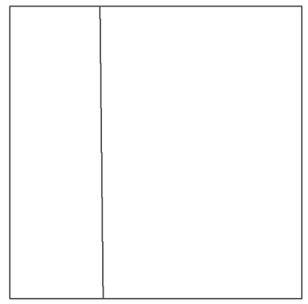
Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1885
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

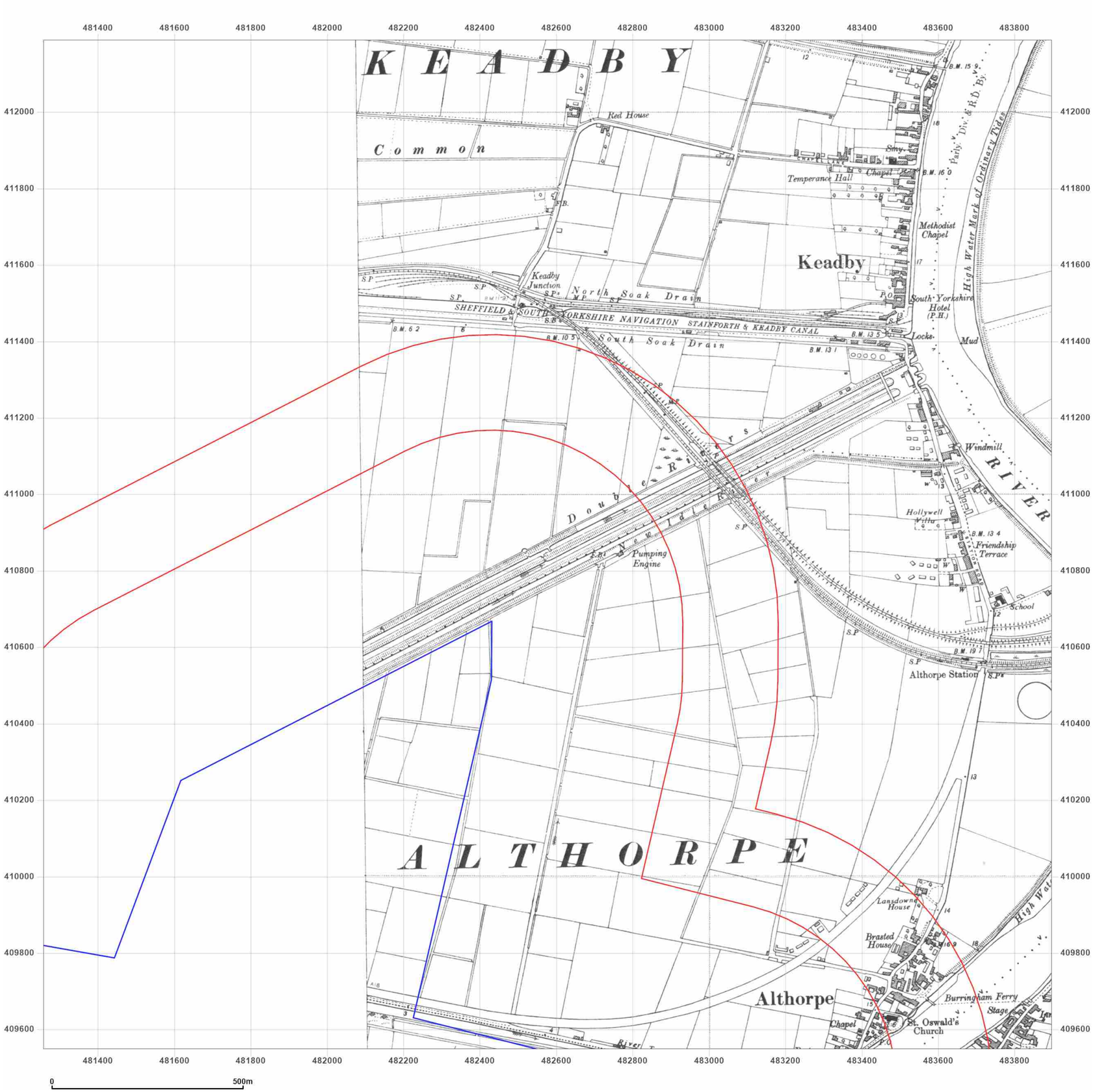
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

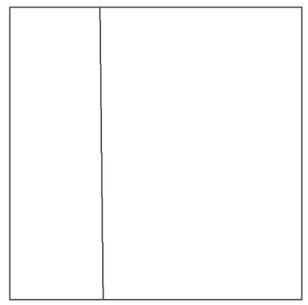
Map Name: County Series

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1885
Revised 1948
Edition 1948
Copyright N/A
Levelled N/A

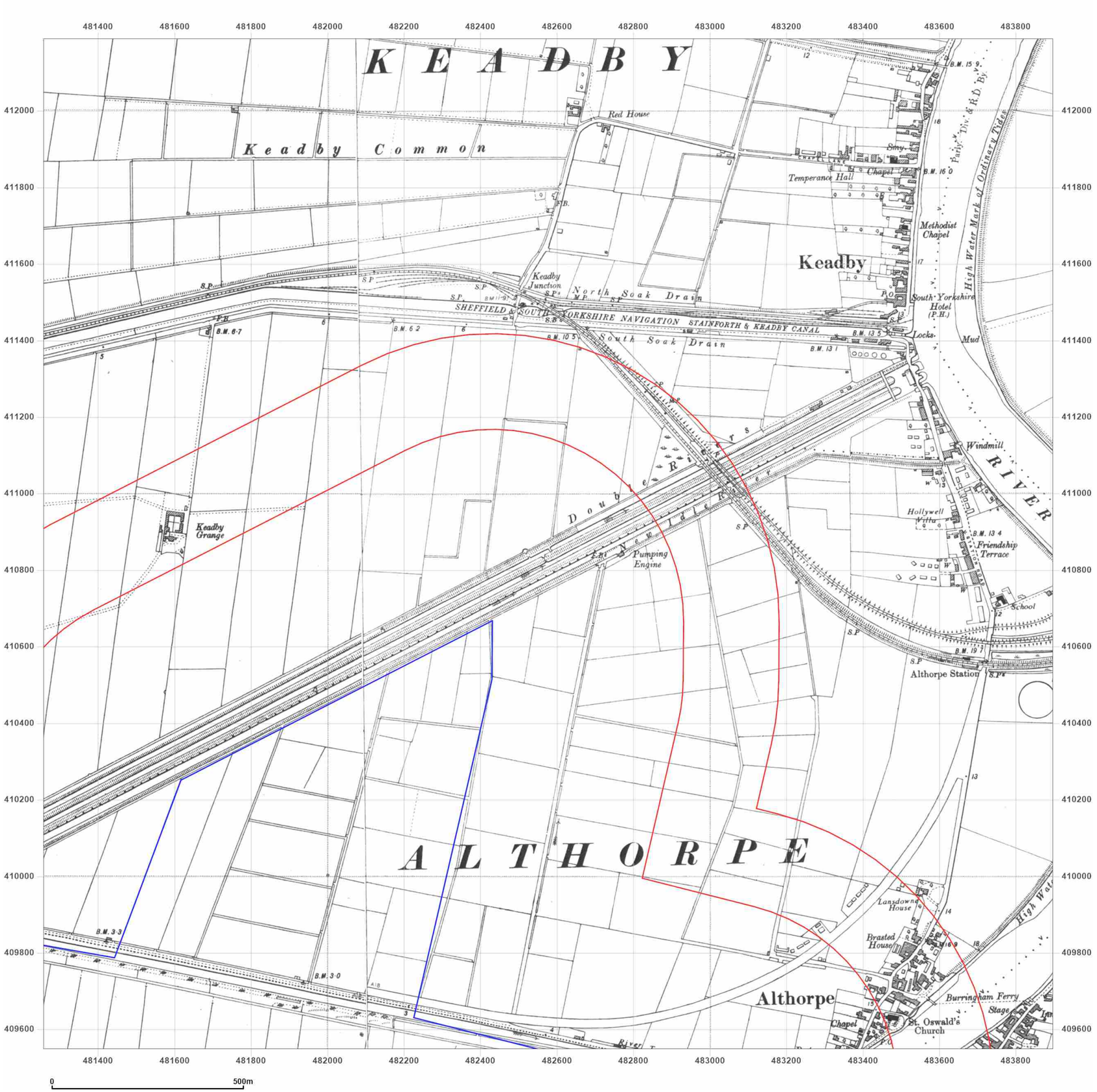
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

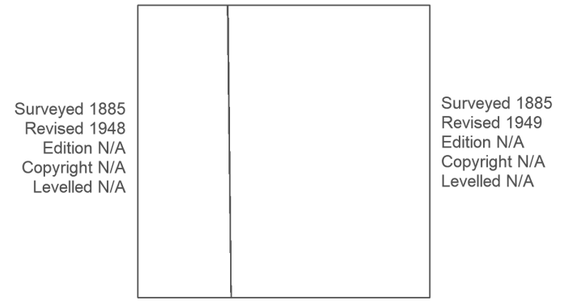
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Map date: **1948-1949**

Scale: 1:10,560

Printed at: 1:10,560

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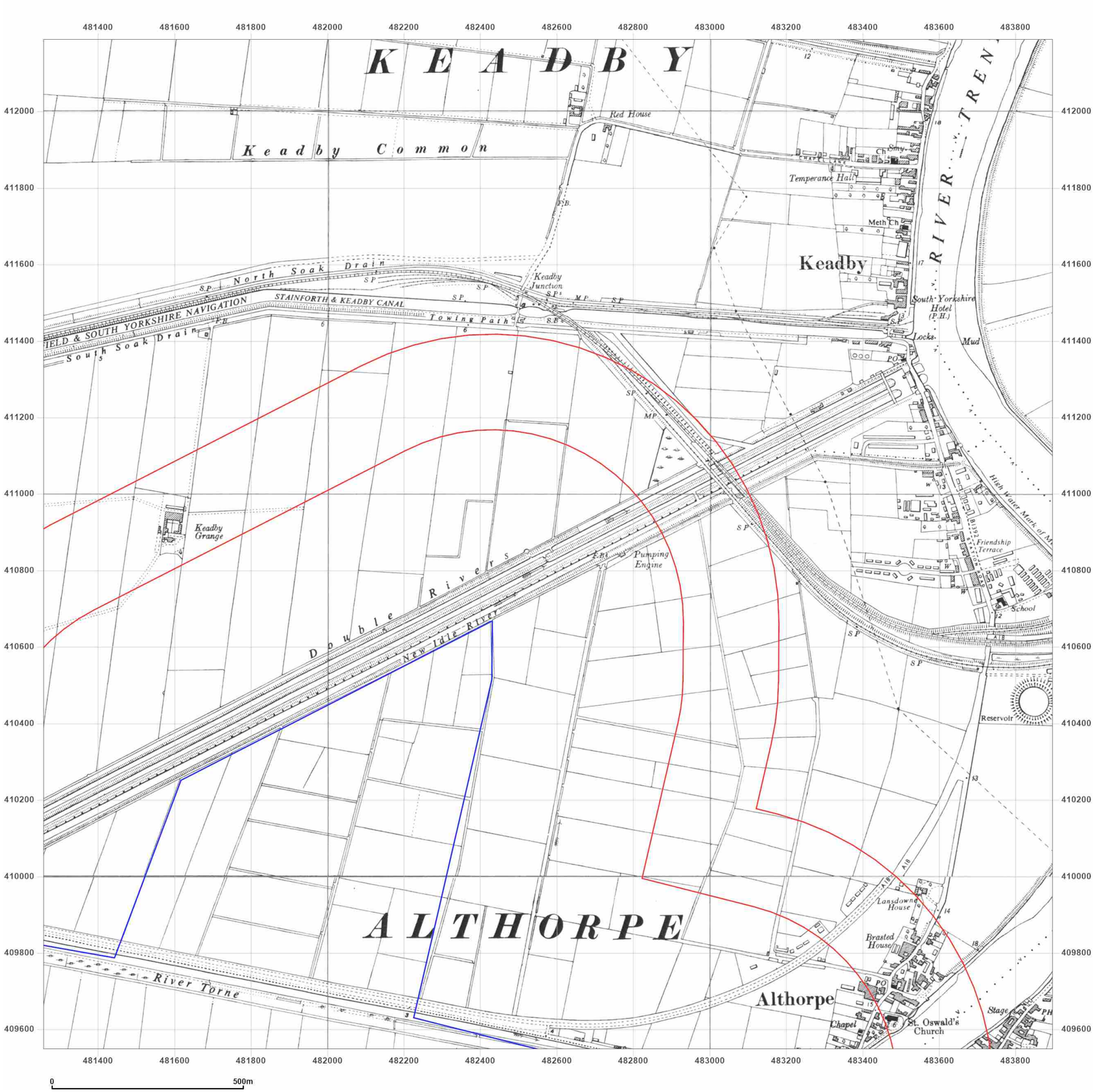
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

Map Name: Provisional

Map date: **1951**

Scale: 1:10,560

Printed at: 1:10,560

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W E
S

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

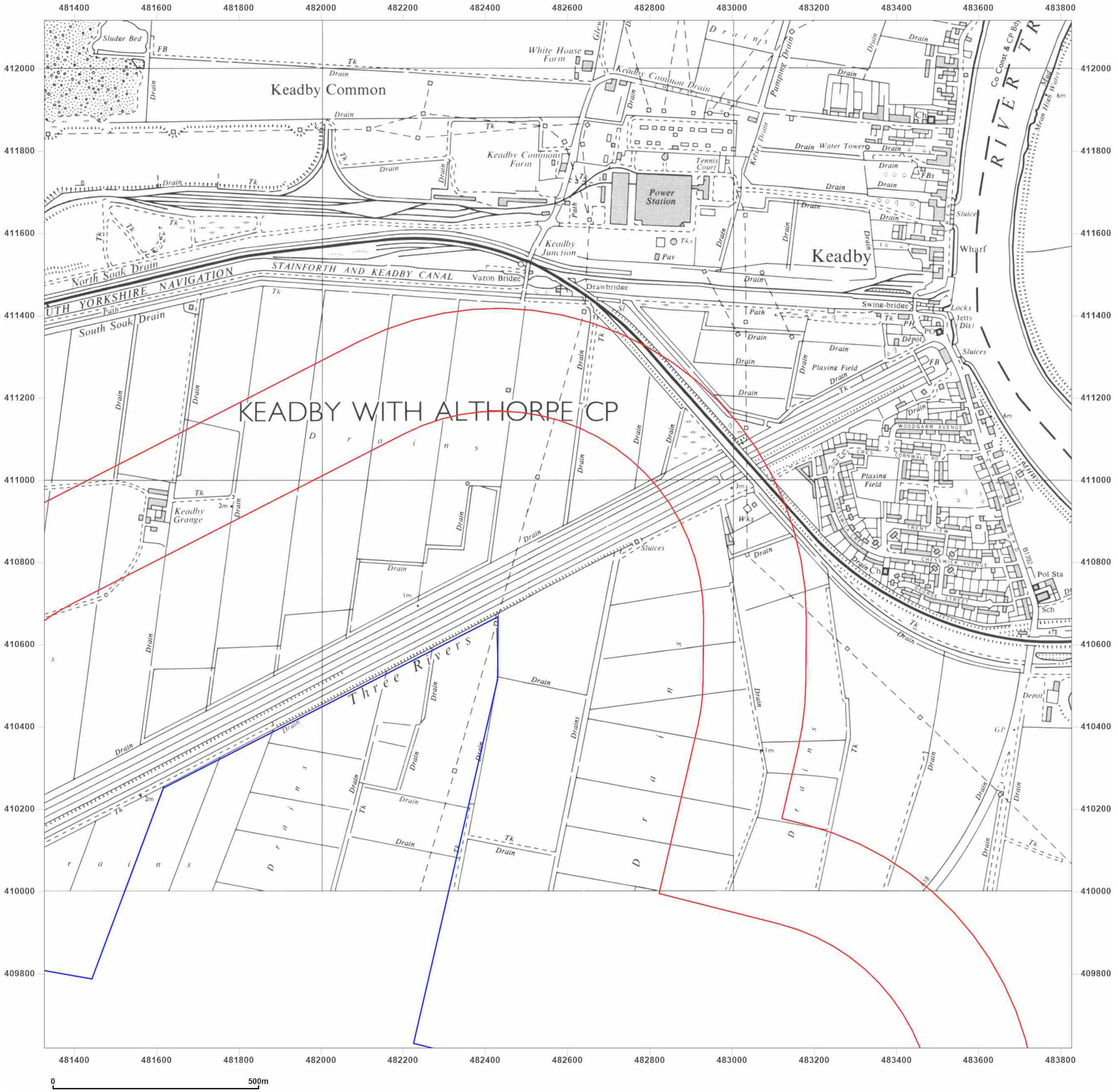
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Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

Map Name: National Grid

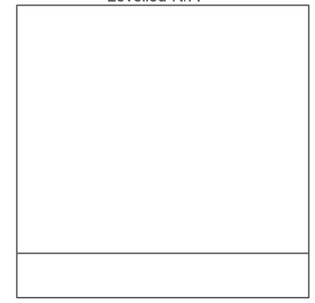
Map date: **1967**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1966
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A



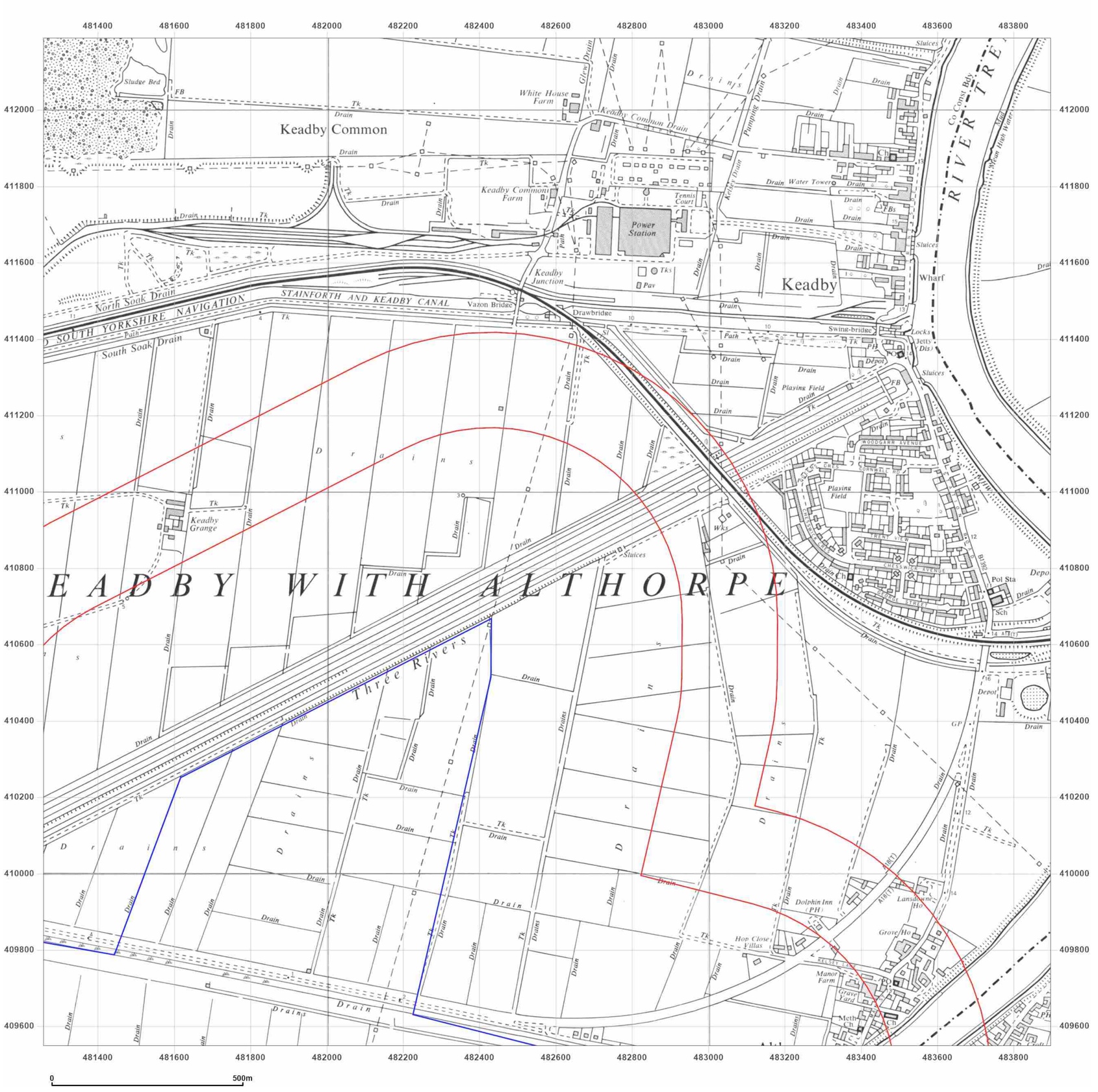
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

Map Name: Provisional

Map date: **1967-1968**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1967
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

~~Surveyed 1968~~
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

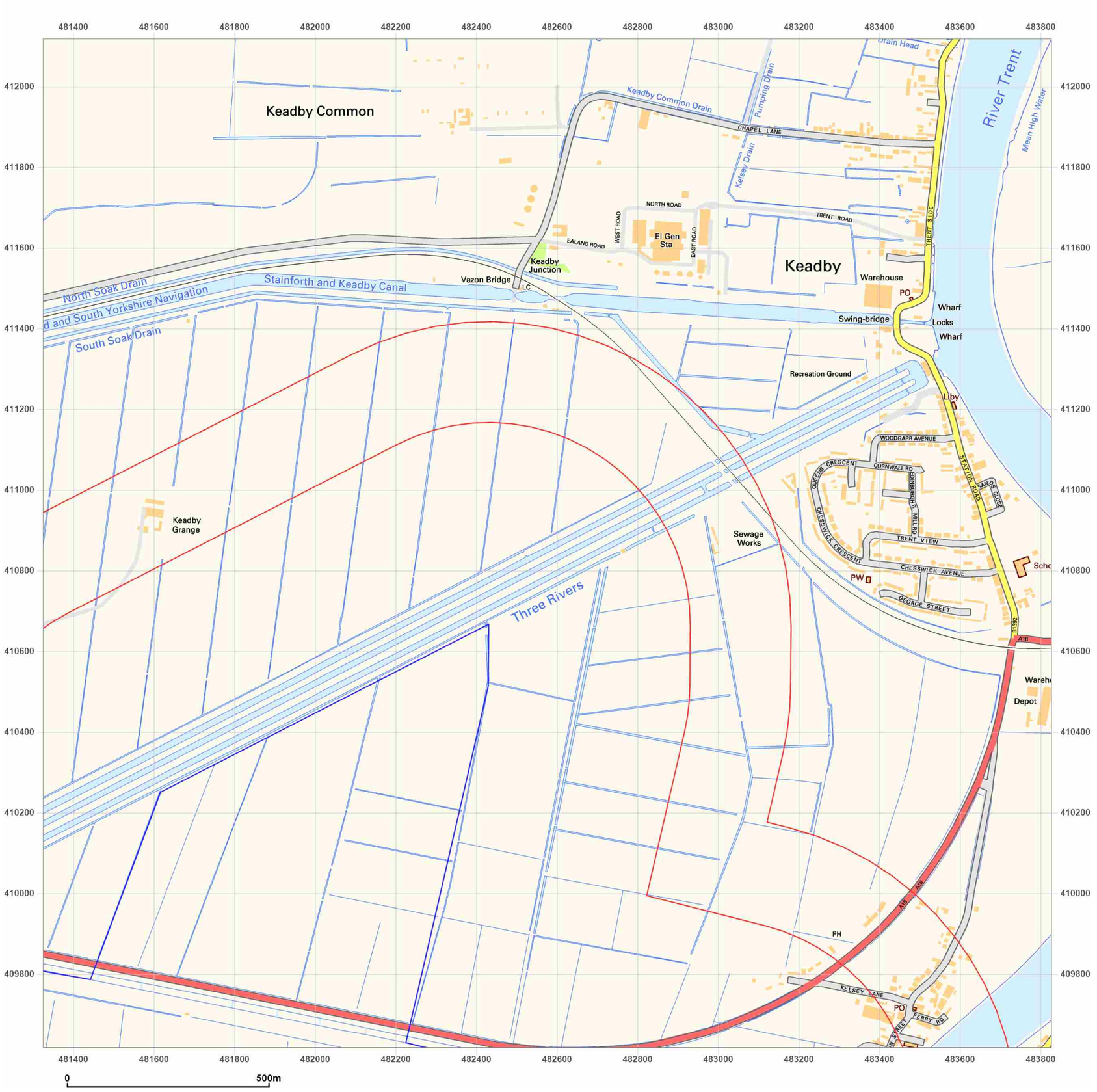
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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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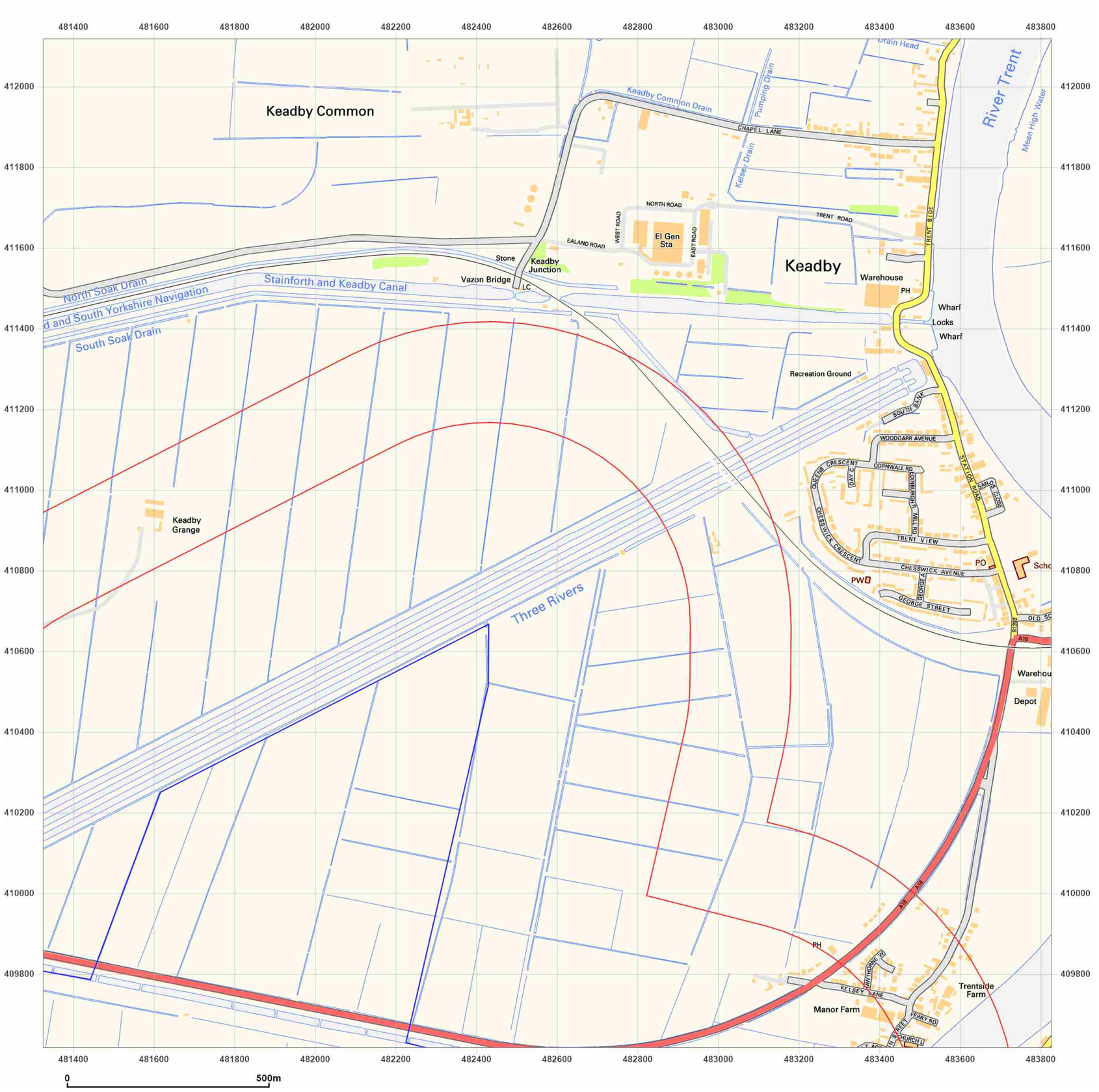
2001

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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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Groundsure INSIGHTS

Site Details:

Tween Bridge Area F

Client Ref: P02159615
Report Ref: GS-91E-HSN-TBG-8PG_SS_3_2
Grid Ref: 482576, 410868

Map Name: National Grid

Map date: **2025**

Scale: 1:10,000

Printed at: 1:10,000

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Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Tween Bridge Area F

Order Details

Date: 04/03/2025

Your ref: P02159615

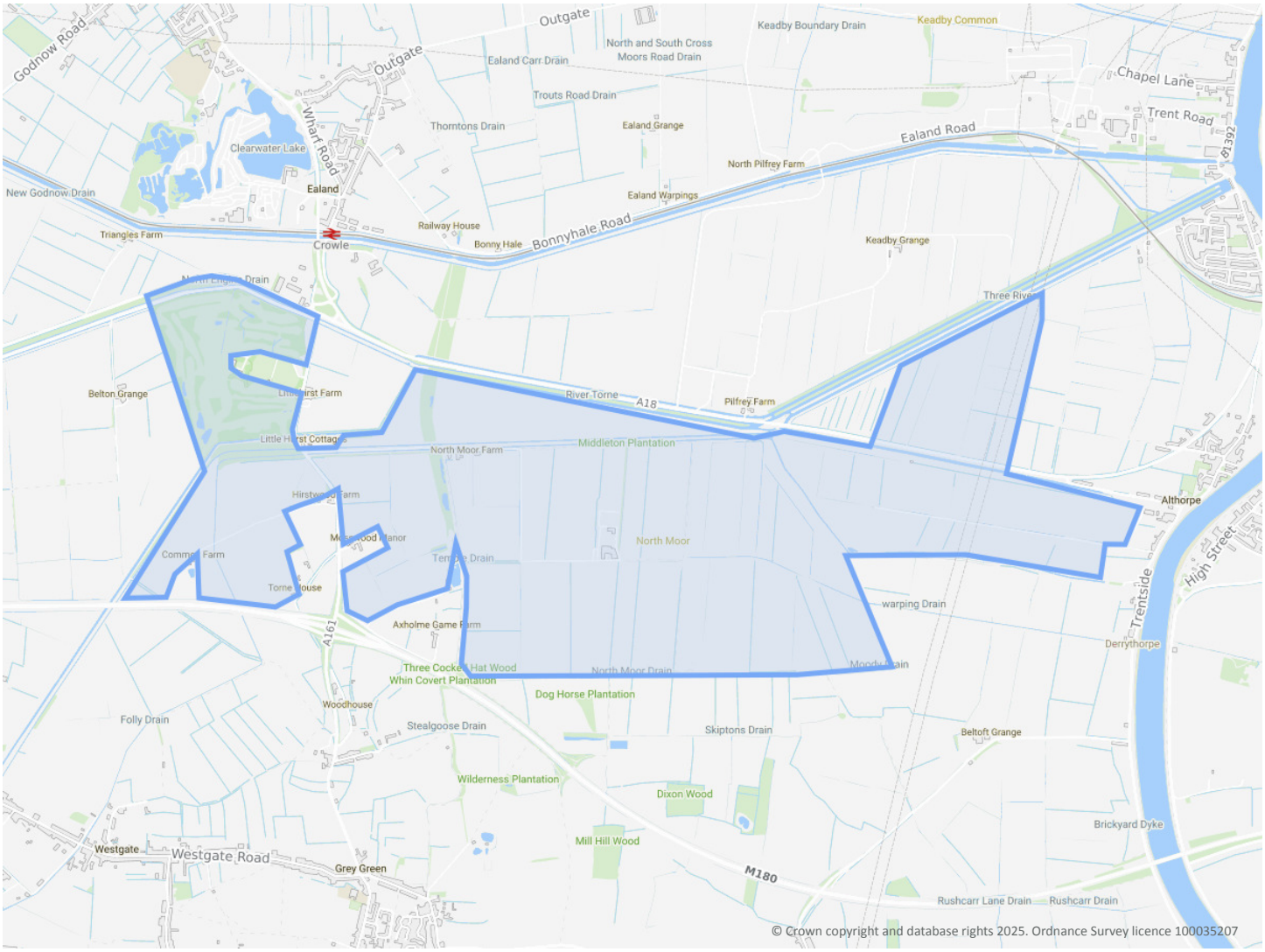
Our Ref: GS-D2F-X15-D2Y-R5Q

Site Details

Location: 479955 409455

Area: 684.9 ha

Authority: North Lincolnshire Council ↗



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Summary of findings p. 2 >

Aerial image p. 9 >

OS MasterMap site plan N/A: >10ha

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	11	0	1	51	-
17 >	1.2 >	Historical tanks >	0	0	0	7	-
18	1.3	Historical energy features	0	0	0	0	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
19 >	2.1 >	Historical industrial land uses >	14	0	1	61	-
22 >	2.2 >	Historical tanks >	0	0	0	11	-
23	2.3	Historical energy features	0	0	0	0	-
23	2.4	Historical petrol stations	0	0	0	0	-
23	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
24	3.1	Active or recent landfill	0	0	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
25	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
25 >	3.4 >	Historical landfill (EA/NRW records) >	1	0	0	0	-
25 >	3.5 >	Historical waste sites >	0	0	0	3	-
26 >	3.6 >	Licensed waste sites >	1	0	0	4	-
28 >	3.7 >	Waste exemptions >	7	11	142	64	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
47 >	4.1 >	Recent industrial land uses >	20	4	9	-	-
50 >	4.2 >	Current or recent petrol stations >	0	0	1	0	-
50	4.3	Electricity cables	0	0	0	0	-
50 >	4.4 >	Gas pipelines >	1	0	0	0	-
50	4.5	Sites determined as Contaminated Land	0	0	0	0	-

51	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
51	4.7	Regulated explosive sites	0	0	0	0	-
51	4.8	Hazardous substance storage/usage	0	0	0	0	-
51	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
51 >	4.10 >	Licensed industrial activities (Part A(1)) >	2	0	0	0	-
52	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
52	4.12	Radioactive Substance Authorisations	0	0	0	0	-
52 >	4.13 >	Licensed Discharges to controlled waters >	0	0	1	4	-
53	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
54	4.15	Pollutant release to public sewer	0	0	0	0	-
54	4.16	List 1 Dangerous Substances	0	0	0	0	-
54	4.17	List 2 Dangerous Substances	0	0	0	0	-
54 >	4.18 >	Pollution Incidents (EA/NRW) >	3	1	2	5	-
56 >	4.19 >	Pollution inventory substances >	1	0	0	0	-
56 >	4.20 >	Pollution inventory waste transfers >	1	0	0	0	-
57	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
58 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
60 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
62 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
69	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
70	5.5	Groundwater vulnerability- local information	None (within 0m)				
71 >	5.6 >	Groundwater abstractions >	0	0	0	0	7
73 >	5.7 >	Surface water abstractions >	19	11	9	4	77
98	5.8	Potable abstractions	0	0	0	0	0
99	5.9	Source Protection Zones	0	0	0	0	-
99	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
100 >	6.1 >	Water Network (OS MasterMap) >	232	133	195	-	-

144 >	6.2 >	Surface water features >	1	63	106	-	-
144 >	6.3 >	WFD Surface water body catchments >	3	-	-	-	-
144 >	6.4 >	WFD Surface water bodies >	2	0	1	-	-
145 >	6.5 >	WFD Groundwater bodies >	2	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
146 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
147 >	7.2 >	Historical Flood Events >	0	0	3	-	-
147 >	7.3 >	Flood Defences >	4	0	2	-	-
148	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
148	7.5	Flood Storage Areas	0	0	0	-	-
149 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
150 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
151 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
153 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
154 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	2	1	2	1	2
155 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	0	1
158 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	1
158	10.4	Special Protection Areas (SPA)	0	0	0	0	0
158	10.5	National Nature Reserves (NNR)	0	0	0	0	0
159	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
159	10.7	Designated Ancient Woodland	0	0	0	0	0
159	10.8	Biosphere Reserves	0	0	0	0	0
159	10.9	Forest Parks	0	0	0	0	0
160	10.10	Marine Conservation Zones	0	0	0	0	0
160	10.11	Green Belt	0	0	0	0	0
160	10.12	Proposed Ramsar sites	0	0	0	0	0

160	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
160	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
161	10.15	Nitrate Sensitive Areas	0	0	0	0	0
161 >	10.16 >	Nitrate Vulnerable Zones >	2	1	0	1	3
162 >	10.17 >	SSSI Impact Risk Zones >	27	-	-	-	-
174 >	10.18 >	SSSI Units >	2	1	3	3	8
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
183	11.1	World Heritage Sites	0	0	0	-	-
184	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
184	11.3	National Parks	0	0	0	-	-
184 >	11.4 >	Listed Buildings >	2	3	1	-	-
185	11.5	Conservation Areas	0	0	0	-	-
185	11.6	Scheduled Ancient Monuments	0	0	0	-	-
185	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
186 >	12.1 >	Agricultural Land Classification >	Grade 2 (within 250m)				
188 >	12.2 >	Open Access Land >	0	0	1	-	-
188 >	12.3 >	Tree Felling Licences >	6	18	29	-	-
190 >	12.4 >	Environmental Stewardship Schemes >	0	0	1	-	-
191 >	12.5 >	Countryside Stewardship Schemes >	14	11	6	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
193 >	13.1 >	Priority Habitat Inventory >	30	8	16	-	-
196 >	13.2 >	Habitat Networks >	2	0	2	-	-
196	13.3	Open Mosaic Habitat	0	0	0	-	-
196	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
197 >	14.1 >	10k Availability >	Identified (within 500m)				
199	14.2	Artificial and made ground (10k)	0	0	0	0	-
200 >	14.3 >	Superficial geology (10k) >	13	2	5	6	-

201	14.4	Landslip (10k)	0	0	0	0	-
203 >	14.5 >	Bedrock geology (10k) >	4	0	0	0	-
204	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
205 >	15.1 >	50k Availability >	Identified (within 500m)				
206	15.2	Artificial and made ground (50k)	0	0	0	0	-
206	15.3	Artificial ground permeability (50k)	0	0	-	-	-
207 >	15.4 >	Superficial geology (50k) >	10	1	6	6	-
208 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
209	15.6	Landslip (50k)	0	0	0	0	-
210	15.7	Landslip permeability (50k)	None (within 50m)				
211 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
212 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
212	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
213 >	16.1 >	BGS Boreholes >	7	2	32	-	-
Page	Section	Natural ground subsidence >					
216 >	17.1 >	Shrink swell clays >	Low (within 50m)				
218 >	17.2 >	Running sands >	Low (within 50m)				
220 >	17.3 >	Compressible deposits >	High (within 50m)				
222 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
223 >	17.5 >	Landslides >	Low (within 50m)				
225 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
227	18.1	BritPits	0	0	0	0	-
228 >	18.2 >	Surface ground workings >	10	2	8	-	-
229	18.3	Underground workings	0	0	0	0	0
229	18.4	Underground mining extents	0	0	0	0	-
229 >	18.5 >	Historical Mineral Planning Areas >	0	0	0	3	-

230	18.6	Non-coal mining	0	0	0	0	0
230 >	18.7 >	JPB mining areas >	Identified (within 0m)				
230	18.8	The Coal Authority non-coal mining	0	0	0	0	-
230	18.9	Researched mining	0	0	0	0	-
231	18.10	Mining record office plans	0	0	0	0	-
231	18.11	BGS mine plans	0	0	0	0	-
231	18.12	Coal mining	None (within 0m)				
231	18.13	Brine areas	None (within 0m)				
231	18.14	Gypsum areas	None (within 0m)				
232	18.15	Tin mining	None (within 0m)				
232	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
233	19.1	Natural cavities	0	0	0	0	-
233	19.2	Mining cavities	0	0	0	0	0
233	19.3	Reported recent incidents	0	0	0	0	-
233	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
235 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
237 >	21.1 >	BGS Estimated Background Soil Chemistry >	141	23	-	-	-
246	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
246	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
247	22.1	Underground railways (London)	0	0	0	-	-
247	22.2	Underground railways (Non-London)	0	0	0	-	-
248	22.3	Railway tunnels	0	0	0	-	-
248 >	22.4 >	Historical railway and tunnel features >	6	0	0	-	-
248	22.5	Royal Mail tunnels	0	0	0	-	-
249 >	22.6 >	Historical railways >	3	0	2	-	-

249	22.7	Railways	0	0	0	-	-
249	22.8	Crossrail 2	0	0	0	0	-
249	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 04/04/2021

Site Area: 684.9ha

Recent site history - 2019 aerial photograph



Capture Date: 20/10/2019

Site Area: 684.9ha

Recent site history - 2016 aerial photograph



Capture Date: 05/05/2016

Site Area: 684.9ha

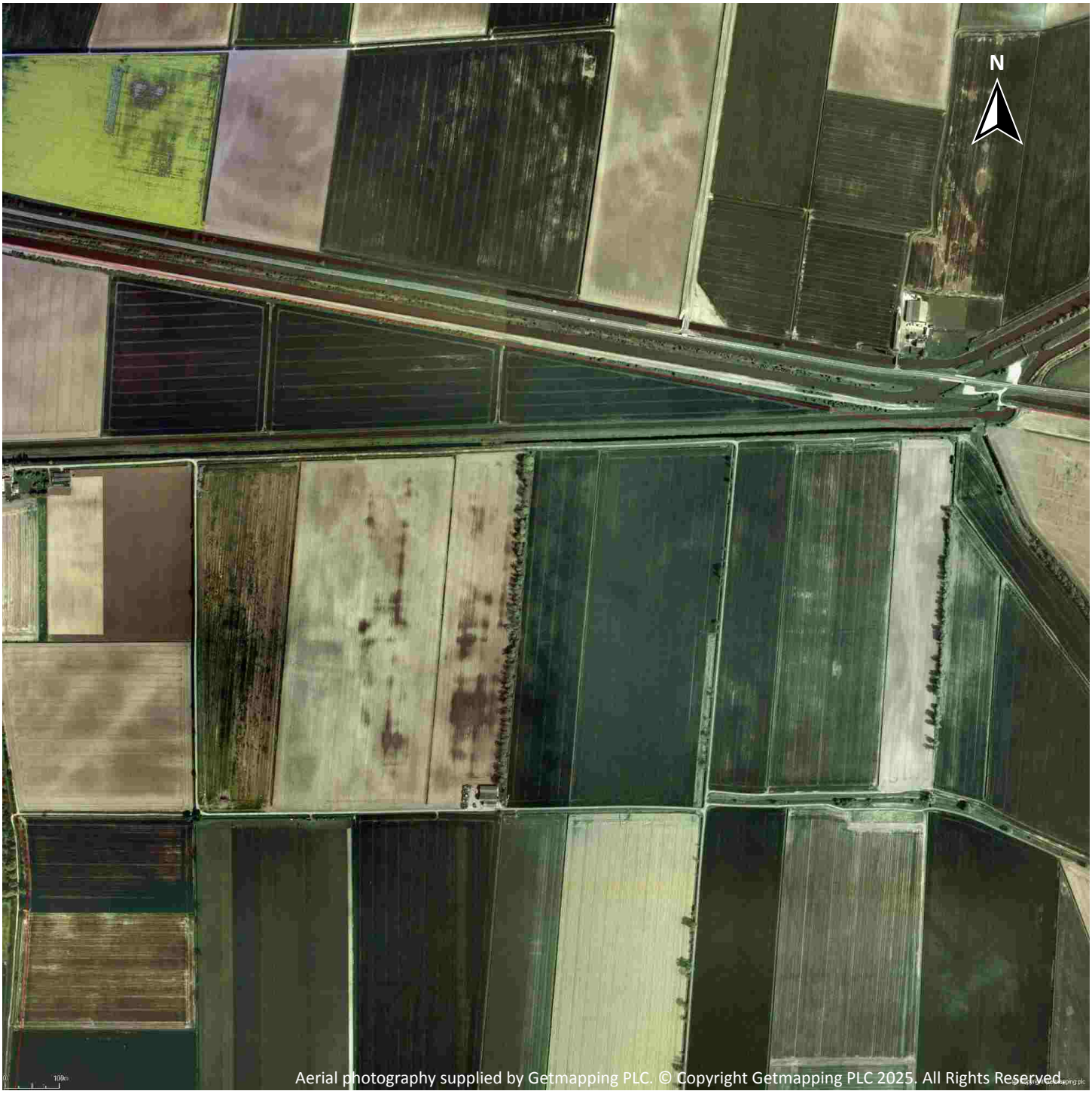
Recent site history - 2013 aerial photograph



Capture Date: 07/06/2013

Site Area: 684.9ha

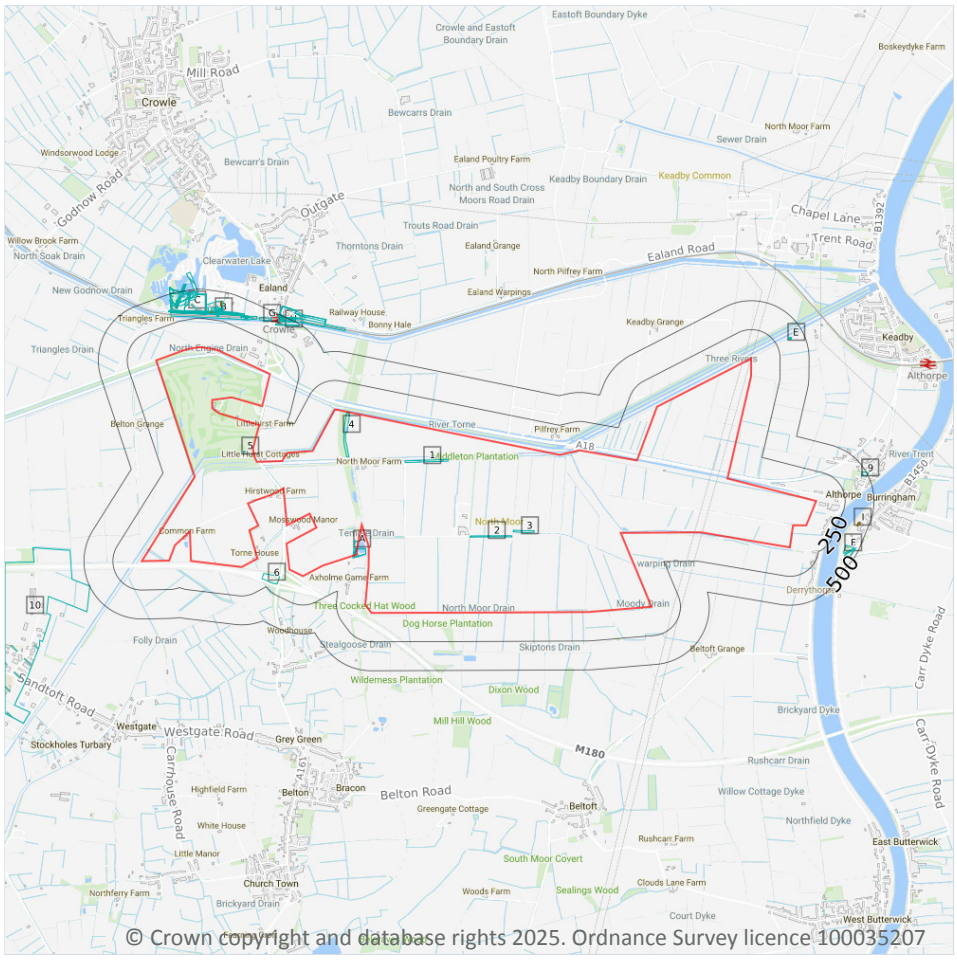
Recent site history - 1999 aerial photograph



Capture Date: 03/05/1999

Site Area: 684.9ha

1 Past land use



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Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

1.1 Historical industrial land uses

Records within 500m	63

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Tramway Sidings**	**1951**	**1478885**

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Railway Sidings**	**1951**	**1479604**
3	**On site**	**Railway Sidings**	**1951**	**1479708**
4	**On site**	**Unspecified Pit**	**1906 - 1948**	**1502859**
5	**On site**	**Unspecified Tank**	**1906 - 1948**	**1575137**
A	**On site**	**Railway Sidings**	**1906 - 1948**	**1483647**
A	**On site**	**Unspecified Pits**	**1948**	**1503168**
A	**On site**	**Unspecified Pits**	**1905**	**1506802**
A	**On site**	**Railway Sidings**	**1905**	**1524891**
A	**On site**	**Railway Sidings**	**1951**	**1537097**
A	**On site**	**Railway Sidings**	**1948**	**1544629**
6	106m SW	Cuttings	1982	1433200
B	259m NW	Railway Sidings	1951	1542128
B	283m NW	Railway Sidings	1885	1535108
B	284m NW	Railway Sidings	1890	1547367
C	284m NW	Brick and Tile Works	1951	1514362
C	288m NW	Brick and Tile Works	1890	1577543
B	289m NW	Railway Sidings	1906 - 1948	1491029
C	289m NW	Brick and Tile Works	1948	1501873
C	289m NW	Brick and Tile Works	1906	1541228
B	292m NW	Railway Sidings	1885	1492655
C	292m NW	Brick Works	1973	1443083
D	309m NW	Brick and Tile Works	1885	1562542
B	314m NW	Brewery	1906 - 1948	1510107
B	317m NW	Unspecified Factory	1973	1479397
B	319m NW	Railway Building	1951	1476646
D	324m NW	Brick and Tile Works	1885	1560052
B	327m NW	Brewery	1890	1575653
B	327m NW	Brewery	1885	1513071

ID	Location	Land use	Dates present	Group ID
B	330m NW	Brewery	1885	1560878
D	360m NW	Railway Sidings	1885	1531739
D	366m NW	Railway Sidings	1885	1549232
D	370m NW	Railway Sidings	1906 - 1948	1572131
E	370m NE	Pumping Engine	1906 - 1938	1503929
D	370m NW	Railway Sidings	1890	1562319
E	371m NE	Pumping Engine	1948	1557666
E	372m NE	Pumping Station	1949	1480709
E	374m NE	Pumping Engine	1951	1499355
C	378m NW	Unspecified Pit	1890	1452682
8	379m NW	Railway Sidings	1951	1483342
F	381m E	Grave Yard	1885	1484928
G	387m NW	Railway Sidings	1885	1513173
H	404m NW	Unspecified Works	1973	1460657
D	407m NW	Unspecified Ground Workings	1906 - 1948	1493444
G	418m NW	Railway Building	1885	1476643
F	421m E	Cemetery	1951	1436857
F	422m E	Grave Yard	1968	1441282
H	443m NW	Railway Station	1885	1560121
H	446m NW	Railway Station	1906 - 1948	1510073
9	450m E	Smithy	1906	1487951
J	451m NW	Railway Sidings	1951	1537280
H	456m NW	Railway Station	1951	1482414
H	458m NW	Railway Station	1885	1484432
H	459m NW	Railway Station	1973	1561502
H	466m NW	Railway Station	1890	1569742
H	477m NW	Railway Building	1951	1476644
J	479m NW	Railway Sidings	1890	1581601

ID	Location	Land use	Dates present	Group ID
J	485m NW	Railway Sidings	1885	1569444
K	494m NW	Railway Building	1951	1476647
L	496m NW	Unspecified Disused Wharf	1885	1470470
K	497m NW	Railway Buildings	1885	1436203
10	499m W	Airfield	1951	1480916
L	499m NW	Unspecified Wharf	1885	1499093

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**7**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
B	311m NW	Tanks	1971	235042
D	374m NW	Tanks	1971	235040
7	377m NW	Tanks	1971	235041
I	405m E	Tanks	1986 - 1993	248820
I	405m E	Unspecified Tank	1982 - 1997	261208
I	407m E	Tanks	1982	261711
I	408m E	Tanks	1997	256167

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	0

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

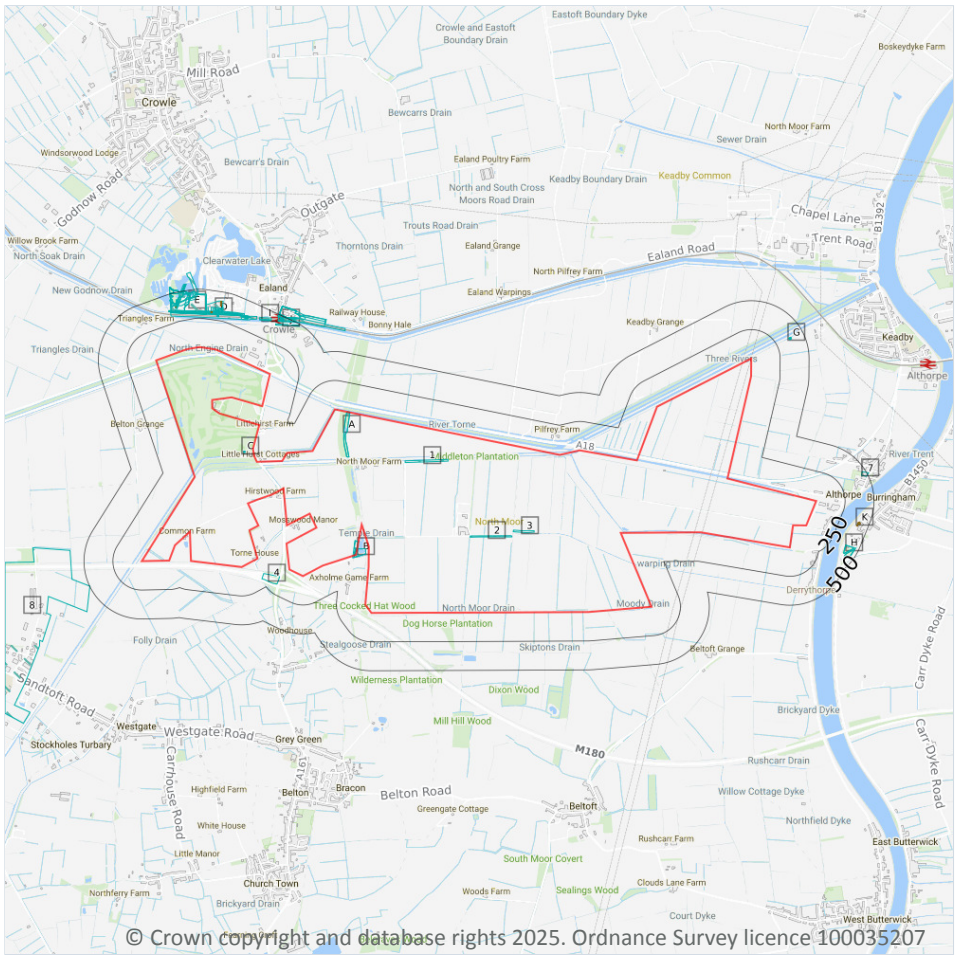
1.6 Historical military land

Records within 500m	0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.

2 Past land use - un-grouped



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2.1 Historical industrial land uses

Records within 500m	76

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 19 >**

ID	Location	Land Use	Date	Group ID
1	On site	Tramway Sidings	1951	1478885
2	On site	Railway Sidings	1951	1479604
3	On site	Railway Sidings	1951	1479708

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Pit**	**1948**	**1502859**
A	**On site**	**Unspecified Pit**	**1906**	**1502859**
B	**On site**	**Unspecified Pits**	**1948**	**1503168**
B	**On site**	**Unspecified Pits**	**1905**	**1506802**
B	**On site**	**Railway Sidings**	**1951**	**1537097**
B	**On site**	**Railway Sidings**	**1948**	**1483647**
B	**On site**	**Railway Sidings**	**1906**	**1483647**
B	**On site**	**Railway Sidings**	**1948**	**1544629**
B	**On site**	**Railway Sidings**	**1905**	**1524891**
C	**On site**	**Unspecified Tank**	**1948**	**1575137**
C	**On site**	**Unspecified Tank**	**1906**	**1575137**
4	106m SW	Cuttings	1982	1433200
D	259m NW	Railway Sidings	1951	1542128
D	283m NW	Railway Sidings	1885	1535108
D	284m NW	Railway Sidings	1890	1547367
E	284m NW	Brick and Tile Works	1951	1514362
E	288m NW	Brick and Tile Works	1890	1577543
D	289m NW	Railway Sidings	1948	1491029
D	289m NW	Railway Sidings	1906	1491029
E	289m NW	Brick and Tile Works	1948	1501873
E	289m NW	Brick and Tile Works	1906	1541228
D	292m NW	Railway Sidings	1885	1492655
E	292m NW	Brick Works	1973	1443083
F	309m NW	Brick and Tile Works	1885	1562542
D	314m NW	Brewery	1948	1510107
D	314m NW	Brewery	1906	1510107
D	317m NW	Unspecified Factory	1973	1479397
D	319m NW	Railway Building	1951	1476646

ID	Location	Land Use	Date	Group ID
F	324m NW	Brick and Tile Works	1885	1560052
F	324m NW	Brick and Tile Works	1885	1560052
D	327m NW	Brewery	1890	1575653
D	327m NW	Brewery	1885	1513071
D	330m NW	Brewery	1885	1560878
F	360m NW	Railway Sidings	1885	1531739
F	366m NW	Railway Sidings	1885	1549232
F	370m NW	Railway Sidings	1948	1572131
F	370m NW	Railway Sidings	1906	1572131
G	370m NE	Pumping Engine	1938	1503929
G	370m NE	Pumping Engine	1906	1503929
F	370m NW	Railway Sidings	1890	1562319
G	371m NE	Pumping Engine	1948	1557666
G	372m NE	Pumping Station	1949	1480709
G	374m NE	Pumping Engine	1951	1499355
E	378m NW	Unspecified Pit	1890	1452682
6	379m NW	Railway Sidings	1951	1483342
H	381m E	Grave Yard	1885	1484928
H	381m E	Grave Yard	1885	1484928
I	387m NW	Railway Sidings	1885	1513173
I	391m NW	Railway Sidings	1885	1513173
J	404m NW	Unspecified Works	1973	1460657
F	407m NW	Unspecified Ground Workings	1948	1493444
F	407m NW	Unspecified Ground Workings	1906	1493444
I	418m NW	Railway Building	1885	1476643
H	421m E	Cemetery	1951	1436857
H	422m E	Grave Yard	1968	1441282
J	443m NW	Railway Station	1885	1560121

ID	Location	Land Use	Date	Group ID
J	446m NW	Railway Station	1948	1510073
J	446m NW	Railway Station	1906	1510073
7	450m E	Smithy	1906	1487951
L	451m NW	Railway Sidings	1951	1537280
J	456m NW	Railway Station	1951	1482414
J	458m NW	Railway Station	1885	1484432
J	459m NW	Railway Station	1973	1561502
J	466m NW	Railway Station	1890	1569742
J	477m NW	Railway Building	1951	1476644
L	479m NW	Railway Sidings	1890	1581601
L	485m NW	Railway Sidings	1885	1569444
M	494m NW	Railway Building	1951	1476647
N	496m NW	Unspecified Disused Wharf	1885	1470470
M	497m NW	Railway Buildings	1885	1436203
8	499m W	Airfield	1951	1480916
N	499m NW	Unspecified Wharf	1885	1499093
N	499m NW	Unspecified Wharf	1885	1499093

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**11**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 19 >**

ID	Location	Land Use	Date	Group ID
D	311m NW	Tanks	1971	235042
F	374m NW	Tanks	1971	235040
5	377m NW	Tanks	1971	235041

ID	Location	Land Use	Date	Group ID
K	405m E	Tanks	1986	248820
K	405m E	Tanks	1993	248820
K	405m E	Unspecified Tank	1986	261208
K	405m E	Unspecified Tank	1993	261208
K	407m E	Tanks	1982	261711
K	407m E	Unspecified Tank	1982	261208
K	408m E	Tanks	1997	256167
K	408m E	Unspecified Tank	1997	261208

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	0

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

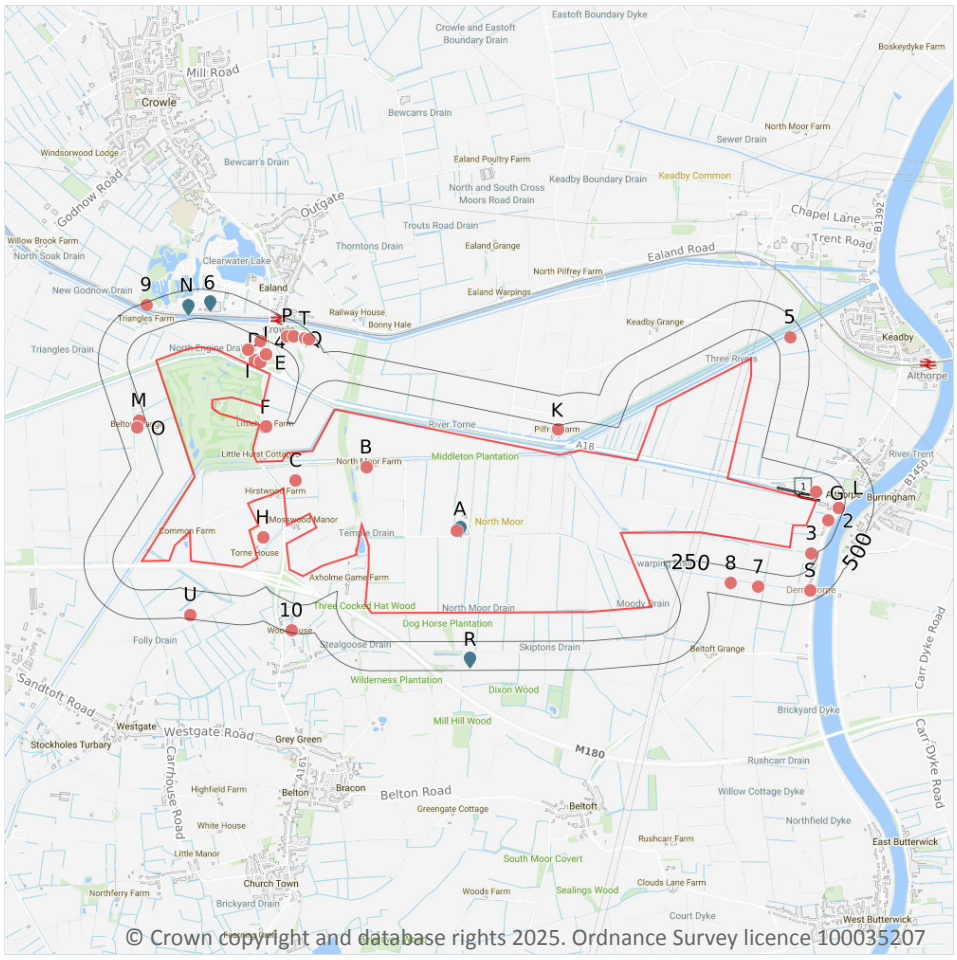
2.5 Historical garages

Records within 500m	0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 24 >**

ID	Location	Details		
1	**On site**	**Site Address: South Side of Crowle Bank Road, Crowle Bank Road, Althorpe** **Licence Holder Address: 65 High Street, Crowle, Scunthorpe**	**Waste Licence: Yes** **Site Reference: JK/10645, 2/710/81, A127, 55/19/0127** **Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge** **Environmental Permitting Regulations (Waste) Reference: -** **Licence Issue: 17/05/1982** **Licence Surrender: 07/10/1989**	**Operator: -** **Licence Holder: Alf Kitching Plant Hire** **First Recorded 31/12/1986** **Last Recorded: 30/06/1989**

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	3

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 24 >**

ID	Location	Address	Further Details	Date
N	345m NW	Site Address: Access Road, To Leisure, Complex, Crowle Wharf, Ealand, (& Industrial Site, SCUNTHORPE, Humberside, DN17 4JS	Type of Site: Recycling Facility Planning application reference: PA/2009/0512 Description: Scheme comprises construction of a waste transfer and recycling station building and yard. Construction - block, steel cladding walls; steel cladding roof; rooflight windows; roller shutter doors; fencing site works. An application (ref: PA/2009/0512)r d etailed planning permission was submitted to North Lincolnshire B.C. Data source: Historic Planning Application Data Type: Point	01/02/2010
N	346m NW	Site Address: Crowle, Seven Lakes, Industrial, Wharf Road, Ealand, Access Road, to, SCUNTHORPE, Humberside, DN17 4JW	Type of Site: Recycling Station Planning application reference: PA/2009/0814 Description: Scheme comprises construction a building for use as a waste transfer and recycling station with associated land and yard re-submission of Application PA/2009/0512. An application (ref: PA/2009/0814) for detailed planning permission was granted by Northin colnshire B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	20/01/2010
N	347m NW	Site Address: Former Crowle Brickworks, Ealand, SCUNTHORPE, Humberside, DN17 4	Type of Site: Waste Reception Building Planning application reference: 2/167/94 Description: Rentention of use for the incineration of clinical waste and construction of a waste reception building of 85 sqm and installation of a weighbridge. An application (ref: 2/167/94) for Detailed Planning permission was submitted to East Riding B.C. on1st M arch 1994. Data source: Historic Planning Application Data Type: Point	-

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m	5

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 24 >**

ID	Location	Details		
A	**On site**	**Site Name: North Moor Farm SR2012 No11 - EPR/AB3708XX** **Site Address: Northmoor Farm, Crowle, North Lincolnsh, DN17 4DA** **Correspondence Address: -**	**Type of Site: On-farm anaerobic digestion - farm wastes only** **Size: 25000 tonnes** **Environmental Permitting Regulations (Waste) Licence Number: 627919** **EPR reference: EA/EPR/AB3708XX** **Operator: Rockscape Energy Limited** **Waste Management licence No: 400839** **Annual Tonnage: 100**	**Issue Date: 09/11/2016** **Effective Date: 09/11/2016** **Modified: -** **Surrendered Date: -** **Expiry Date: -** **Cancelled Date: -** **Status: Issued**
N	353m NW	Site Name: S J Engineering Site Address: The Old Brickworks, Ealand, Scunthorpe, North Lincolnsh, DN17 4JP Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 628295 EPR reference: EA/EPR/DP3597FJ Operator: Bill Jones & Steve Jones Waste Management licence No: 43131 Annual Tonnage: 4999	Issue Date: 24/08/1994 Effective Date: 24/08/1994 Modified: 24/08/1994 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
6	387m NW	Site Name: S J Engineering Site Address: The Old Brick Works, Ealand, Scunthorpe, N Lincolnshire, DN17 4JP Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BJO001 EPR reference: EA/EPR/DP3597FJ/A001 Operator: B Jones & S Jones Waste Management licence No: 43131 Annual Tonnage: 75000	Issue Date: 24/08/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
R	410m S	Site Name: Lagoon At Northmoor Farm Site Address: Northmoor Farm, Crowle, N Lincolnshire, DN17 4DA Correspondence Address: -	Type of Site: Storage of anaerobic digestate 75,000 total Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ROC002 EPR reference: EA/EPR/FB3100GN/A001 Operator: Rockscape Energy Limited Waste Management licence No: 403983 Annual Tonnage: 74999	Issue Date: 16/03/2017 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
R	410m S	Site Name: Lagoon At Northmoor Farm Site Address: Northmoor Farm, Crowle, North Lincolnsh, DN17 4DA Correspondence Address: -	Type of Site: Storage of wastes to be used in land treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 629072 EPR reference: EA/EPR/FB3100GN Operator: Rockscape Energy Limited Waste Management licence No: 403983 Annual Tonnage: 74999	Issue Date: 16/03/2017 Effective Date: 16/03/2017 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m **224**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 24 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	**On site**	**-**	**WEX352036**	**Treating waste exemption**	**On a farm**	**Treatment of waste in a biobed or biofilter**
A	**On site**	**North Moor Farm Scunthorpe South Humberside Dn17 4da**	**EPR/YF0838AW/A001**	**Treating waste exemption**	**Agricultural waste only**	**Treatment of waste in a biobed or biofilter**
B	**On site**	**North Moor Farm, Crowle, Scunthorpe, Dn17 4da**	**WEX233868**	**Disposing of waste exemption**	**On a farm**	**Deposit of waste from dredging of inland waters**
B	**On site**	**North Moor Farm, Crowle, Scunthorpe, Dn17 4da**	**WEX233868**	**Treating waste exemption**	**On a farm**	**Treatment of waste in a biobed or biofilter**
B	**On site**	**North Moor Farm, Crowle, Scunthorpe, Dn17 4da**	**WEX089556**	**Treating waste exemption**	**On a farm**	**Treatment of waste in a biobed or biofilter**
C	**On site**	**-**	**WEX168808**	**Storing waste exemption**	**On a farm**	**Storage of sludge**
C	**On site**	**Hirstwood Farm, Crowle, Scunthorpe, Dn17 4bu**	**WEX175943**	**Storing waste exemption**	**On a farm**	**Storage of sludge**

ID	Location	Site	Reference	Category	Sub-Category	Description
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Treating waste exemption	Non-agricultural waste only	Manual treatment of waste
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Treating waste exemption	Non-agricultural waste only	Screening and blending of waste
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Using waste exemption	Non-agricultural waste only	Use of waste to manufacture finished goods
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Treating waste exemption	Non-agricultural waste only	Cleaning, washing, spraying or coating relevant waste
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	49m NW	Double Rivers Crowle Scunthorpe North Lincolnshire Dn17 4dd	EPR/AF0201SX/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Using waste exemption	Not on a farm	Use of waste in construction
E	53m NW	Junction 2 Business Park Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX187722	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	53m NW	Junction 2 Business Park Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX187722	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	53m NW	Junction 2 Business Park, Double Rivers, Scunthorpe, Dn17 4dd	WEX168702	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	53m NW	Junction 2 Business Park, Double Rivers, Scunthorpe, Dn17 4dd	WEX168702	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	53m NW	Junction 2 Business Park, Double Rivers, Scunthorpe, Dn17 4dd	WEX170520	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	53m NW	Junction 2 Business Park, Double Rivers, Scunthorpe, Dn17 4dd	WEX170520	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Treating waste exemption	Not on a farm	Sorting mixed waste
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Treating waste exemption	Not on a farm	Manual treatment of waste

ID	Location	Site	Reference	Category	Sub-Category	Description
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Treating waste exemption	Not on a farm	Screening and blending of waste
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Treating waste exemption	Not on a farm	Recovery of scrap metal
E	53m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Dn17 4dd	WEX115328	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX346333	Using waste exemption	On a farm	Use of waste in construction
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX346333	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX346333	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX346333	Storing waste exemption	On a farm	Storage of waste in secure containers
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX346333	Storing waste exemption	On a farm	Storage of sludge
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX346333	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX346333	Disposing of waste exemption	On a farm	Burning waste in the open
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX216848	Using waste exemption	On a farm	Use of waste in construction
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX216848	Storing waste exemption	On a farm	Storage of sludge
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX216848	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX216848	Storing waste exemption	On a farm	Storage of waste in secure containers
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX216848	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX058645	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX058645	Storing waste exemption	On a farm	Storage of waste in secure containers
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX058645	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX058645	Using waste exemption	On a farm	Use of waste in construction
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX058645	Disposing of waste exemption	On a farm	Burning waste in the open
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX216848	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
F	56m W	Little Hirst Farm, Crowle, Scunthorpe, Dn17 4bu	WEX216848	Disposing of waste exemption	On a farm	Burning waste in the open
F	57m W	Little Hurst Farm Crowle Dn17 4bu	EPR/NE5981CM/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
F	57m W	Little Hurst Farm Crowle Dn17 4bu	EPR/NE5981CM/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
F	57m W	Little Hurst Farm Crowle Dn17 4bu	EPR/NE5981CM/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
F	57m W	Little Hurst Farm Crowle Dn17 4bu	EPR/NE5981CM/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
G	68m E	-	WEX178450	Using waste exemption	On a farm	Use of waste in construction
G	68m E	-	WEX178450	Storing waste exemption	On a farm	Storage of waste in a secure place
H	91m W	Mosswood, Priory Works, Crowle, Scunthorpe, Dn17 4by	WEX355672	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	91m W	Mosswood, Priory Works, Crowle, Scunthorpe, Dn17 4by	WEX355672	Storing waste exemption	Not on a farm	Storage of waste in secure containers

ID	Location	Site	Reference	Category	Sub-Category	Description
H	91m W	Mosswood, Priory Works, Crowle, Scunthorpe, Dn17 4by	WEX228684	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	91m W	Mosswood, Priory Works, Crowle, Scunthorpe, Dn17 4by	WEX228684	Storing waste exemption	Not on a farm	Storage of waste in secure containers
H	91m W	Mosswood, Priory Works, Crowle, Scunthorpe, Dn17 4by	WEX084577	Storing waste exemption	Not on a farm	Storage of waste in secure containers
H	91m W	Mosswood, Priory Works, Crowle, Scunthorpe, Dn17 4by	WEX084577	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Treating waste exemption	Non-agricultural waste only	Cleaning, washing, spraying or coating relevant waste
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Treating waste exemption	Non-agricultural waste only	Manual treatment of waste
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Treating waste exemption	Non-agricultural waste only	Screening and blending of waste
I	106m NW	Unit4 Junction 2 Business Park Scunthorpe South Humberside Dn17 4dd	EPR/FF0001FA/A001	Using waste exemption	Non-agricultural waste only	Use of waste to manufacture finished goods

ID	Location	Site	Reference	Category	Sub-Category	Description
J	138m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX037774	Treating waste exemption	Not on a farm	Sorting mixed waste
J	138m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX037774	Treating waste exemption	Not on a farm	Screening and blending of waste
J	138m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX037774	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
J	138m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX037774	Storing waste exemption	Not on a farm	Storage of waste in secure containers
J	138m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX037774	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	138m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX037774	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
J	138m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX037774	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
J	138m NW	Unit 4, Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX037774	Using waste exemption	Not on a farm	Use of waste in construction
2	158m E	White House Farm 2 Derrythorpe Road Scunthorpe South Humberside Dn17 3ja	EPR/CH0175BK/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
3	193m E	Depot Isle Of Axholme & North Notts Wlmb	EPR/UE5147KF/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
K	197m NE	South Pilfrey Farm Scunthorpe South Humberside Dn17 4dh	EPR/GE5459QN/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
K	197m NE	South Pilfrey Farm Scunthorpe South Humberside Dn17 4dh	EPR/GE5459Q N/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
K	197m NE	South Pilfrey Farm Scunthorpe South Humberside Dn17 4dh	EPR/GE5459Q N/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
K	197m NE	South Pilfrey Farm Scunthorpe South Humberside Dn17 4dh	EPR/GE5459Q N/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX177886	Storing waste exemption	On a farm	Storage of waste in a secure place
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Disposing of waste exemption	On a farm	Depositing samples of waste for the purposes of testing or analysing them
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Disposing of waste exemption	On a farm	Disposal by incineration
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Disposing of waste exemption	On a farm	Burning waste in the open
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Sorting mixed waste
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Manual treatment of waste

ID	Location	Site	Reference	Category	Sub-Category	Description
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of waste food
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of waste aerosol cans
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Physical treatment of waste edible oil and fat to produce biodiesel
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of kitchen waste in a wormery
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of sheep dip for disposal
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Screening and blending of waste

ID	Location	Site	Reference	Category	Sub-Category	Description
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Recovery of scrap metal
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of mulch
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of depolluted end-of-life vehicles for vehicle parts
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of waste to manufacture finished goods
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Dewatering using flocculants
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Recovery of textiles
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of waste at a water treatment works
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Recovery of waste at a waste water treatment works
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment

ID	Location	Site	Reference	Category	Sub-Category	Description
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Anaerobic digestion at premises not used for agriculture and burning of resultant biogas
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Sorting and de-naturing of controlled drugs for disposal
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Recovery of silver
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Recovery of monopropylene glycol from aircraft antifreeze fluids
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Recovery of central heating oil by filtration
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of waste in construction
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Spreading of plant matter to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Incorporation of ash into soil
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Pig and poultry ash
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of waste in the construction of entertainment or educational installations etc
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of waste derived biodiesel as fuel
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of effluent to clean a highway gravel bed
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Using waste exemption	On a farm	Use of waste for a specified purpose
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Disposing of waste exemption	On a farm	Deposit of waste from a railway sanitary convenience
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Disposing of waste exemption	On a farm	Burning waste at a port under a Plant Health notice
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Storing waste exemption	On a farm	Storage of waste in secure containers
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Storing waste exemption	On a farm	Storage of waste in a secure place
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Storing waste exemption	On a farm	Storage of sludge
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX011648	Treating waste exemption	On a farm	Crushing waste fluorescent tubes
L	202m E	White House Farm, 2, Derrythorpe Road, Althorpe, Scunthorpe, Dn17 3ja	WEX308524	Storing waste exemption	On a farm	Storage of waste in a secure place
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX310849	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX310849	Using waste exemption	On a farm	Use of waste in construction
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX310849	Disposing of waste exemption	On a farm	Burning waste in the open
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX310849	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX180828	Using waste exemption	On a farm	Use of waste in construction
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX180828	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX180828	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX180828	Disposing of waste exemption	On a farm	Burning waste in the open
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX021055	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX021055	Using waste exemption	On a farm	Use of waste in construction
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX021055	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
K	206m NE	South Pilfrey Farm, Crowle, Scunthorpe, Dn17 4dh	WEX021055	Disposing of waste exemption	On a farm	Burning waste in the open
4	217m NW	Double Rivers, Crowle, Scunthorpe, Dn17 4dd	WEX163512	Using waste exemption	Not on a farm	Use of waste in construction
M	308m W	Belton Grange, Crowle, Scunthorpe, Dn17 4bt	WEX010107	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
M	308m W	Belton Grange, Crowle, Scunthorpe, Dn17 4bt	WEX010107	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
M	308m W	Belton Grange, Crowle, Scunthorpe, Dn17 4bt	WEX010107	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
M	308m W	Belton Grange, Crowle, Scunthorpe, Dn17 4bt	WEX010107	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
M	308m W	Belton Grange, Crowle, Scunthorpe, Dn17 4bt	WEX010107	Using waste exemption	On a farm	Use of waste in construction
M	308m W	Belton Grange, Crowle, Scunthorpe, Dn17 4bt	WEX010107	Using waste exemption	On a farm	Use of waste for a specified purpose
O	345m W	Belton Grange Scunthorpe South Humberside Dn17 4bt	EPR/PH0976SK/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
O	345m W	Belton Grange Scunthorpe South Humberside Dn17 4bt	EPR/PH0976SK/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
O	345m W	Belton Grange Scunthorpe South Humberside Dn17 4bt	EPR/PH0976SK/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
O	345m W	Belton Grange Scunthorpe South Humberside Dn17 4bt	EPR/PH0976SK/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
O	345m W	Belton Grange Scunthorpe South Humberside Dn17 4bt	EPR/PH0976SK/A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
O	345m W	Belton Grange Scunthorpe South Humberside Dn17 4bt	EPR/PH0976SK/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
O	345m W	Belton Grange Scunthorpe South Humberside Dn17 4bt	EPR/PH0976SK/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
P	356m NW	Curlews Farm Crowe Scunthorpe North Lincs Dn17 4js	EPR/ME5983ZX/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
P	356m NW	Curlews Farm Crowe Scunthorpe North Lincs Dn17 4js	EPR/ME5983ZX/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
P	356m NW	Curlews Farm Crowe Scunthorpe North Lincs Dn17 4js	EPR/ME5983ZX/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
P	356m NW	Curlews Farm Crowe Scunthorpe North Lincs Dn17 4js	EPR/ME5983ZX/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
P	356m NW	Curlews Farm Crowe Scunthorpe North Lincs Dn17 4js	EPR/ME5983ZX/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
P	356m NW	Curlews Farm Crowe Scunthorpe North Lincs Dn17 4js	EPR/ME5983ZX/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
P	356m NW	Curlews Farm Crowe Scunthorpe North Lincs Dn17 4js	EPR/ME5983ZX/A001	Disposing of waste exemption	Agricultural waste only	Disposal by incineration
P	356m NW	Curlews Farm Crowe Scunthorpe North Lincs Dn17 4js	EPR/ME5983ZX/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
Q	378m NW	Curlews House, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX338160	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
Q	378m NW	Curlews House, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX338160	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
Q	378m NW	Curlews House, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX338160	Storing waste exemption	On a farm	Storage of waste in secure containers
Q	378m NW	Curlews House, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX214655	Storing waste exemption	On a farm	Storage of waste in secure containers
Q	378m NW	Curlews House, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX214655	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
Q	378m NW	Curlews House, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX214655	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

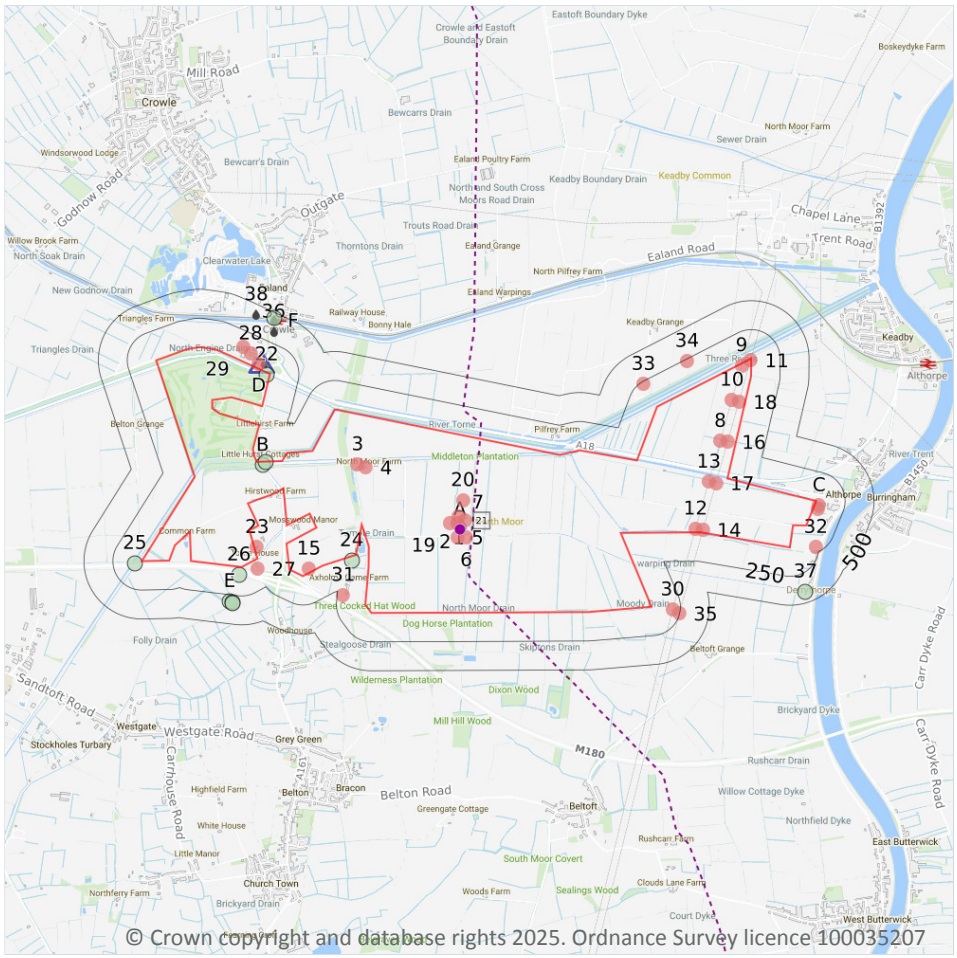
ID	Location	Site	Reference	Category	Sub-Category	Description
5	378m NE	Althorpe Pumping Station	EPR/SE5147KT/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
7	387m E	-	WEX363367	Storing waste exemption	On a farm	Storage of sludge
8	394m E	-	WEX393537	Storing waste exemption	On a farm	Storage of sludge
S	416m E	Four Bridges Pumping Station	EPR/LE5247KM/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
S	416m E	Derrythorpe Pumping Station	EPR/LE5447KK/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
S	416m E	Godnow Pumping Station	EPR/LE5647KC/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Storing waste exemption	On a farm	Storage of waste in secure containers
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Storing waste exemption	On a farm	Storage of waste in a secure place
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Disposing of waste exemption	On a farm	Disposal by incineration
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Disposing of waste exemption	On a farm	Burning waste in the open
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Treating waste exemption	On a farm	Recovery of scrap metal

ID	Location	Site	Reference	Category	Sub-Category	Description
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX059621	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Disposing of waste exemption	On a farm	Burning waste in the open
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Disposing of waste exemption	On a farm	Disposal by incineration
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Treating waste exemption	On a farm	Recovery of scrap metal
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Storing waste exemption	On a farm	Storage of waste in a secure place
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Storing waste exemption	On a farm	Storage of waste in secure containers
T	423m NW	2 Curlews Cottages, Crowle Wharf, Ealand, Scunthorpe, Dn17 4js	WEX213469	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
T	442m NW	-	WEX342596	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
T	442m NW	-	WEX342596	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
T	442m NW	-	WEX342596	Storing waste exemption	On a farm	Storage of waste in secure containers
T	442m NW	-	WEX342596	Storing waste exemption	On a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
T	442m NW	-	WEX342596	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
T	442m NW	-	WEX342596	Treating waste exemption	On a farm	Recovery of scrap metal
T	442m NW	-	WEX342596	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
T	442m NW	-	WEX342596	Disposing of waste exemption	On a farm	Disposal by incineration
T	442m NW	-	WEX342596	Disposing of waste exemption	On a farm	Burning waste in the open
U	466m SW	-	WEX168810	Storing waste exemption	On a farm	Storage of sludge
U	466m SW	Hirstwood Farm, Crowle, Scunthorpe, Dn17 4bu	WEX175918	Storing waste exemption	On a farm	Storage of sludge
9	479m NW	-	WEX403682	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
10	485m SW	The Barn, Woodhouse, Belton, North Lincs, Dn9 1qh	WEX332224	Using waste exemption	On a farm	Use of waste in construction

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	33

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 47 >**

ID	Location	Company	Address	Activity	Category
1	**On site**	**Chimney**	**Lincolnshire, DN17**	**Chimneys**	**Industrial Features**
2	**On site**	**Chimney**	**Lincolnshire, DN17**	**Chimneys**	**Industrial Features**

ID	Location	Company	Address	Activity	Category
3	On site	North Moor Farm AD Plant (Farm AD) - Anaerobic Digestion (BEIS)	North Moor Farm, Belton, Humberside, Lincolnshire, DN17 4DA	Energy Production	Industrial Features
4	On site	Rockscape Ltd	North Moor Farm, Belton, Lincolnshire, DN17 4DA	Electronic Equipment	Industrial Products
5	On site	Electricity Sub Station	Lincolnshire, DN9	Electrical Features	Infrastructure and Facilities
6	On site	Electricity Sub Station	Lincolnshire, DN9	Electrical Features	Infrastructure and Facilities
7	On site	Electricity Sub Station	Lincolnshire, DN9	Electrical Features	Infrastructure and Facilities
8	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
9	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
10	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
11	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
12	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
13	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
14	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
15	On site	Mast (Telecommunication)	Lincolnshire, DN9	Telecommunications Features	Infrastructure and Facilities
16	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
17	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
18	On site	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
19	**On site**	**Power Station**	**Lincolnshire, DN9**	**Energy Production**	**Industrial Features**
20	**On site**	**Slurry Bed**	**Lincolnshire, DN17**	**Waste Storage, Processing and Disposal**	**Infrastructure and Facilities**
23	23m W	Sutton Power Engineering	Priory Lodge, Belton, Lincolnshire, DN17 4BY	Electrical Equipment Repair and Servicing	Repair and Servicing
C	37m E	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
D	40m NW	Connect Fulfilment Services	Unit 4 J2 Business Parkcrowle, Crowle, Scunthorpe, Lincolnshire, DN17 4DD	Container and Storage	Transport, Storage and Delivery
C	42m E	Mast (Telecommunication)	Lincolnshire, DN17	Telecommunications Features	Infrastructure and Facilities
27	79m W	Mast (Telecommunication)	Lincolnshire, DN17	Telecommunications Features	Infrastructure and Facilities
28	89m NW	D W Forklift Services Ltd	Unit 3a Junction 2 Business Park, Double Rivers, Crowle, Scunthorpe, Lincolnshire, DN17 4DD	Lifting and Handling Equipment	Industrial Products
29	117m NW	Mast	Lincolnshire, DN17	Telecommunications Features	Infrastructure and Facilities
30	184m SE	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
31	198m SW	Wind Turbine	Lincolnshire, DN9	Energy Production	Industrial Features
32	205m E	Pumping Station	Lincolnshire, DN17	Water Pumping Stations	Industrial Features
33	229m NE	Keadby Turbine	Lincolnshire, DN17	Energy Production	Industrial Features
34	234m NE	Keadby Turbine	Lincolnshire, DN17	Energy Production	Industrial Features
35	246m SE	Pylon	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 47 >**

ID	Location	Company	Address	LPG	Status
D	55m NW	UNBRANDED	Junction 2 A18, A161, Crowle, Scunthorpe, North Lincolnshire, DN17 4DD	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	1

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on **page 47 >**

ID	Location	Pipe Name	Details	
21	**On site**	**CAWOOD TO SUSWORTH TRENT WEST**	**Pipe Number: -** **Pipeline Safety Regulations Number: -** **Ownership: National Grid** **Maximum Operating Pressure (Bar): -**	**Pipeline Diameter (mm): 900** **Wall Thickness (mm): -** **Year of commission: Not specified** **Abandonment Status: Not abandoned**

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m	2

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 47 >**

ID	Location	Details	
A	On site	**Operator: ROCKSCAPE ENERGY LIMITED** **Installation Name: North Moor Farm SR2012 No11 - EPR/AB3708XX** **Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 75 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT** **Permit Number: AB3708XX** **Original Permit Number: LP3434DN**	**EPR Reference: EPR/AB3708XX** **Issue Date: 09/11/2016** **Effective Date: 09/11/2016** **Last date noted as effective: 29/10/2024** **Status: Effective**
A	On site	**Operator: Rockscape Energy Limited** **Installation Name: North Moor Farm SR2012 No11 - EPR/AB3708XX** **Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT** **Permit Number: LP3434DN** **Original Permit Number: LP3434DN**	**EPR Reference: -** **Issue Date: 09/11/2016** **Effective Date: 09/11/2016** **Last date noted as effective: 21/03/2023** **Status: Effective**

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m	0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	5

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 47 >**

ID	Location	Address	Details	
D	57m NW	DOUBLERIVERSGARAGE,DOUBLERIVERS,NRCROWLE,SOUTHHUMBERSIDE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/83/07041/T Permit Version: 1 Receiving Water: TRIB OF SOUTH SOAK DRAIN	Status: REVOKED UNDER EPR 2010 Issue date: 10/09/1975 Effective Date: 10/09/1975 Revocation Date: 28/05/2019
36	344m NW	CROWLEWHARFPSTP,(2FLATSAND3DWELLINGS,LINDSEY,NLINCS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: T/83/00892/S Permit Version: 1 Receiving Water: SOUTH SOAK DRAIN	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 12/12/1961 Effective Date: 12/12/1961 Revocation Date: -
38	418m NW	CROWLEINDUSTRIALESTATE,CROWLEBRIDGE,EALAND,NORTHLINCOLNSHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: T/83/45198/T Permit Version: 1 Receiving Water: THE NORTH SOAK DRAIN	Status: REVOKED UNDER EPR 2010 Issue date: 27/02/1998 Effective Date: 27/02/1998 Revocation Date: 21/10/2013
F	435m NW	AREASOFCROWLESWS(17CONS,WHARFROADFIELDLANENEWBIGG,COMMONSIDEBREWERYROADEALAND,OUTGATEBONNYHALEROAD,CROWLENLINCS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/83/03288/O Permit Version: 1 Receiving Water: NORTH SOAK / PAUPERS DRAIN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 02/04/2000
F	435m NW	AREASOFCROWLESWS(17CONS,WHARFROADFIELDLANENEWBIGG,COMMONSIDEBREWERYROADEALAND,OUTGATEBONNYHALEROAD,CROWLENLINCS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/83/03288/O Permit Version: 1 Receiving Water: NORTH SOAK / PAUPERS DRAIN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 02/04/2000

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	11

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 47 >**

ID	Location	Details	
22	**On site**	**Incident Date: 23/12/2002** **Incident Identification: 127423** **Pollutant: Specific Waste Materials** **Pollutant Description: Tarry Wastes**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 3 (Minor)** **Air Impact: Category 4 (No Impact)**
B	**On site**	**Incident Date: 13/08/2004** **Incident Identification: 259187** **Pollutant: Pollutant Not Identified** **Pollutant Description: Not Identified**	**Water Impact: Category 2 (Significant)** **Land Impact: Category 4 (No Impact)** **Air Impact: Category 4 (No Impact)**

ID	Location	Details	
B	**On site**	**Incident Date: 30/07/2019** **Incident Identification: 1724198** **Pollutant: Pollutant Not Identified** **Pollutant Description: Not Identified**	**Water Impact: Category 2 (Significant)** **Land Impact: Category 4 (No Impact)** **Air Impact: Category 4 (No Impact)**
24	35m SW	Incident Date: 14/10/2003 Incident Identification: 196057 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
25	63m W	Incident Date: 06/08/2002 Incident Identification: 98004 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
26	68m W	Incident Date: 21/11/2002 Incident Identification: 122165 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	306m SW	Incident Date: 11/02/2002 Incident Identification: 57689 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	311m SW	Incident Date: 25/04/2002 Incident Identification: 74624 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	317m SW	Incident Date: 06/10/2001 Incident Identification: 34980 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
37	406m E	Incident Date: 07/08/2005 Incident Identification: 336013 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	458m NW	Incident Date: 26/08/2005 Incident Identification: 341405 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	1

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 47 >**

ID: A, Location: On site, Permit: AB3708XX
Operator: ROCKSCAPE ENERGY LTD
Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT
Address: Rockscape Energy Limited North Lincolnshire DN17 4DA
Sector: Biowaste Treatment, Sub-sector: Biowaste Treatment
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	1

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 47 >**

ID: A, Location: On site, Permit: AB3708XX
Operator: ROCKSCAPE ENERGY LTD
Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT
Address: Rockscape Energy Limited North Lincolnshire DN17 4DA
Sector: Biowaste Treatment, Sub-sector: Biowaste Treatment

Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	10	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.5	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

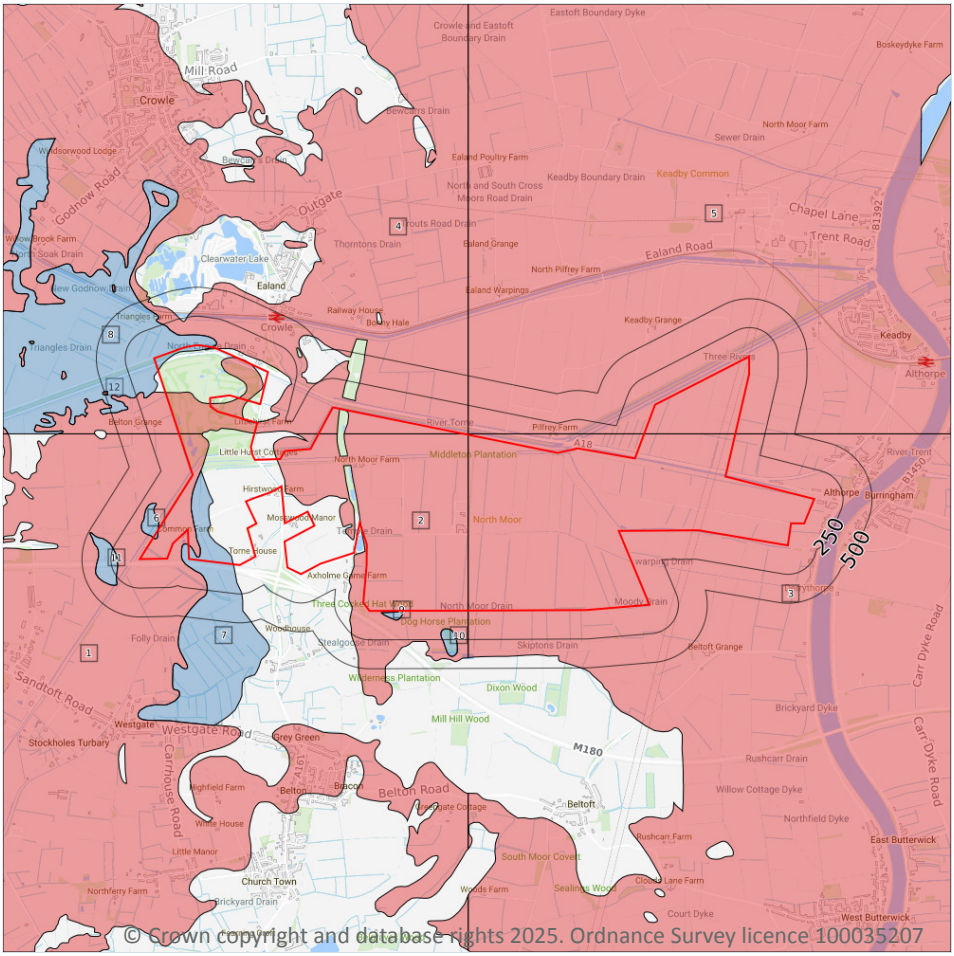
4.21 Pollution inventory radioactive waste

Records within 500m	**0**

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

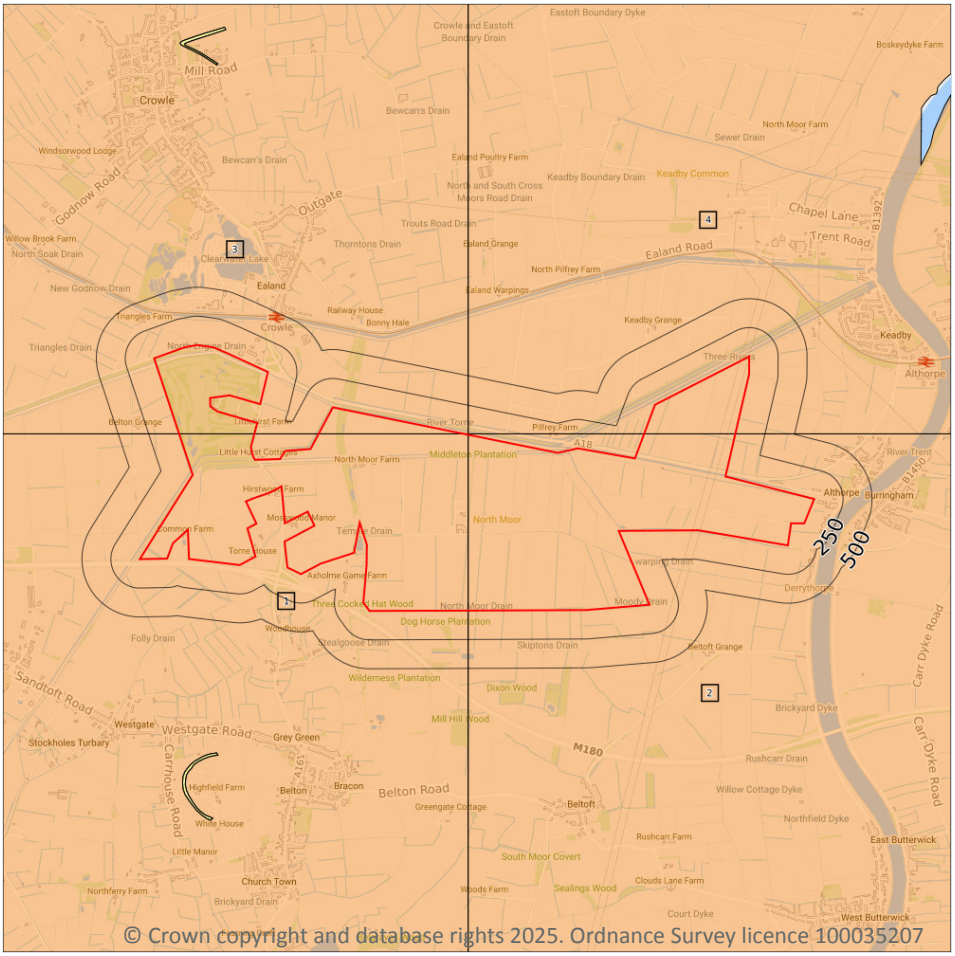
5 Hydrogeology - Superficial aquifer


Crowle
Mill Road
Godnow Road
Outgate
Ealand
Clearwater Lake
Ealand Road
Chapel Lane
Trent Road
Keadby
Althorpe
Belton Grange
Pilfrey Farm
A18
Middleton Plantation
North Moor
Burringham
River Trent
250
500
Carr Dyke Road
Sandtoft Road
Westgate
Westgate Road
Stockholes Turbary
Grey Green
Carrhouse Road
Belton
Belton Road
Beltoft
Mill Hill Wood
Dixon Wood
Wilderness Plantation
M180
Brickyard Dyke
Rushcarr Drain
Willow Cottage Dyke
Northfield Dyke
East Butterwick
West Butterwick
Church Town
Court Dyke
Keadby Boundary Drain
Keadby Common
North Moor Drain
Skiptons Drain
Moody Drain
Warping Drain
Eastoft Boundary Dyke
Crowle and Eastoft Boundary Drain
Sewer Drain
Thorntons Drain
Ealand Grange
Keadby Grange
Railway House
Bowdy Hale
Triangles Drain
Folly Drain
Woodhouse
Stealgoose Drain
Dog Horse Plantation
Three Cocked Hat Wood
Axholme Gorse Farm
Torne House
Torne Drain
Monstand Manor
Hirstwood Farm
Little Hurst Cottages
North Moor Farm
Pilfrey Farm
River Torne
Belton Grange
Ealand Poultry Farm
Ealand Warpings
North Pilfrey Farm
Three Rivers
Boskeydyke Farm
North Moor Farm
Sewer Drain
Keadby Boundary Drain
Keadby Common
Outgate
Thorntons Drain
Ealand Grange
Railway House
Bowdy Hale
Keadby Grange
Triangles Drain
Folly Drain
Woodhouse
Stealgoose Drain
Dog Horse Plantation
Three Cocked Hat Wood
Axholme Gorse Farm
Torne House
Torne Drain
Monstand Manor
Hirstwood Farm
Little Hurst Cottages
North Moor Farm
Pilfrey Farm
River Torne
Belton Grange
Ealand Poultry Farm
Ealand Warpings
North Pilfrey Farm
Three Rivers
Boskeydyke Farm
Wildersmoor Lodge
Godnow Road
New Godnow Farm
Wet Brook Farm
Soak Drain
Triangles Farm
Triangles Drain
Clearwater Lake
Ealand
Crowle
Mill Road
Eastoft Boundary Dyke
Crowle and Eastoft Boundary Drain
Sewers Drain
North Moor Farm
Sewer Drain
Keadby Boundary Drain
Keadby Common
North and South Cross Moors Road Drain
Outgate
Thorntons Drain
Ealand Grange
Keadby Grange
Railway House
Bowdy Hale

ID	Location	Designation	Description
3	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
4	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
5	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
6	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
7	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
8	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
9	11m SW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
10	158m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
11	195m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
12	474m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



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5.2 Bedrock aquifer

Records within 500m	4

Aquifer status of groundwater held within bedrock geology.

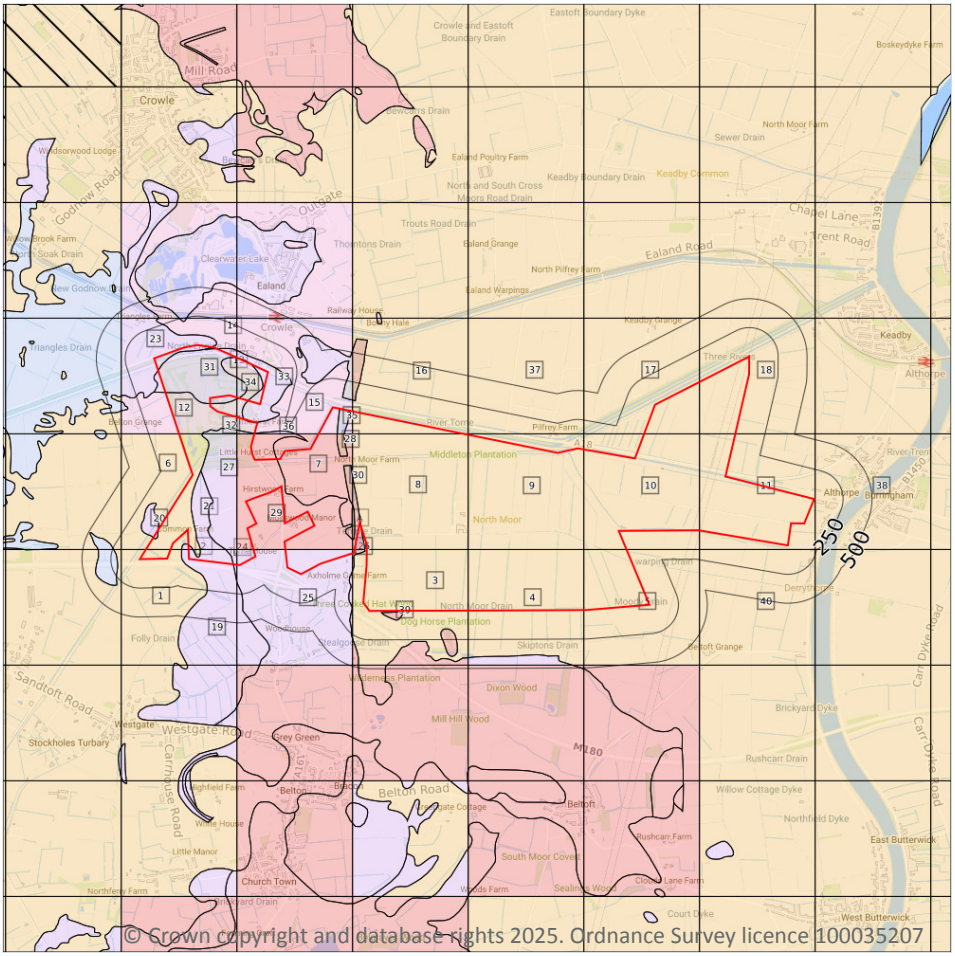
Features are displayed on the Bedrock aquifer map on **page 60 >**

ID	Location	Designation	Description
1	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers
2	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers

ID	Location	Designation	Description
3	**On site**	**Secondary B**	**Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers**
4	**On site**	**Secondary B**	**Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers**

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	42

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 62 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
8	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
9	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
10	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
11	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
12	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
13	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
14	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
15	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
16	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
17	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
18	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
19	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
20	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
21	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
22	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
23	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Low Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
24	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
25	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
26	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
27	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
28	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
29	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
30	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
31	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
32	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
33	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
34	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
35	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
36	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
A	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
A	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
37	8m N	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
38	8m E	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
39	11m SW	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
40	36m E	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

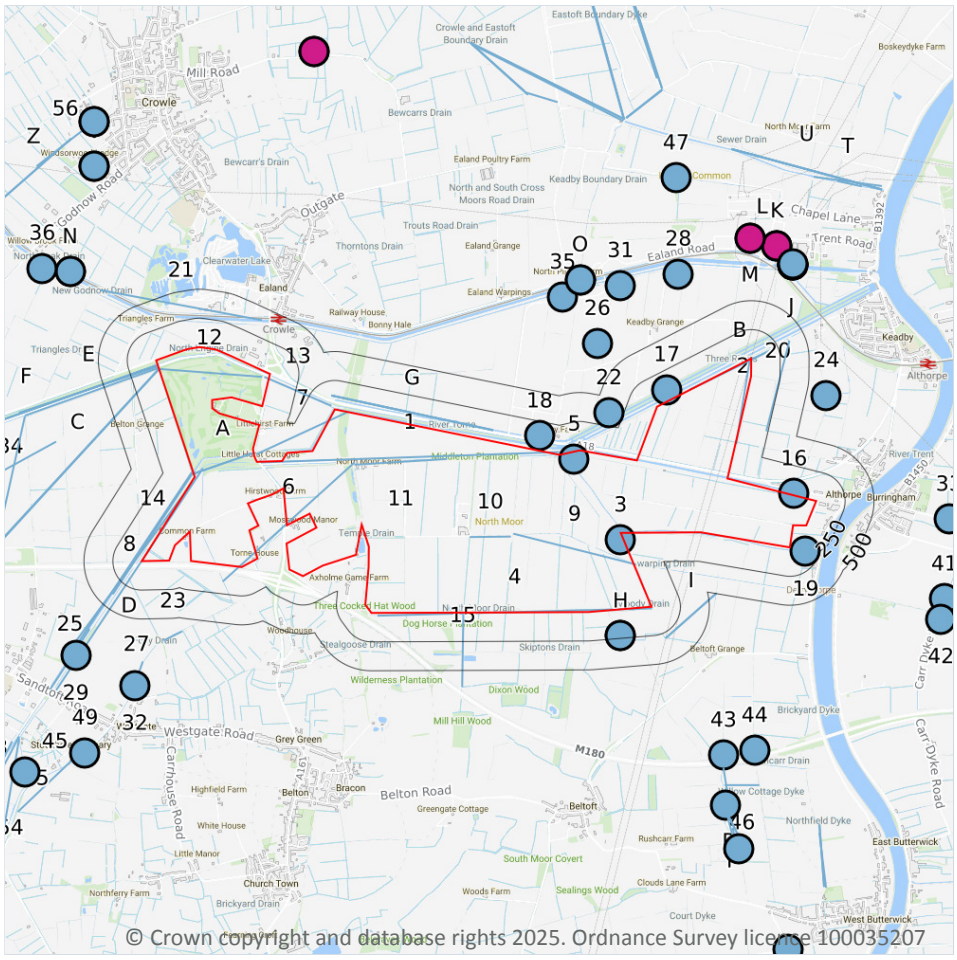
5.5 Groundwater vulnerability- local information

Records on site	0

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	7

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 71 >**

ID	Location	Details	
K	999m NE	Status: Historical Licence No: MD/028/0083/040/R01 Details: Dewatering Direct Source: Groundwater Midlands Region Point: UNDERGROUND STRATA AT KEADBY POWER STATION 1 Data Type: Point Name: Siemens Energy Ltd Easting: 482653 Northing: 411642	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/035481 Original Start Date: 18/05/2022 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 18/05/2022 Version End Date: -
K	999m NE	Status: Historical Licence No: MD/028/0083/040 Details: Dewatering Direct Source: Groundwater Midlands Region Point: UNDERGROUND STRATA AT KEADBY POWER STATION 1 Data Type: Point Name: Siemens Energy Ltd Easting: 482653 Northing: 411642	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 19/11/2019 Expiry Date: 31/03/2022 Issue No: 2 Version Start Date: 23/08/2021 Version End Date: -
K	999m NE	Status: Historical Licence No: MD/028/0083/040/L Details: Dewatering Direct Source: Groundwater Midlands Region Point: UNDERGROUND STRATA AT KEADBY POWER STATION 1 Data Type: Point Name: Siemens Energy Ltd Easting: 482653 Northing: 411642	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/036030 Original Start Date: 01/04/2022 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2022 Version End Date: -
L	1005m NE	Status: Historical Licence No: MD/028/0083/040 Details: Dewatering Direct Source: Groundwater Midlands Region Point: UNDERGOUND STARTA AT KEADBY POWER STATION 3 Data Type: Line Name: Siemens Energy Ltd Easting: 482619 Northing: 411656	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 19/11/2019 Expiry Date: 31/03/2022 Issue No: 2 Version Start Date: 23/08/2021 Version End Date: -

ID	Location	Details	
L	1005m NE	Status: Historical Licence No: MD/028/0083/040/L Details: Dewatering Direct Source: Groundwater Midlands Region Point: UNDERGOUND STARTA AT KEADBY POWER STATION 3 Data Type: Line Name: Siemens Energy Ltd Easting: 482619 Northing: 411656	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/036030 Original Start Date: 01/04/2022 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2022 Version End Date: -
M	1042m NE	Status: Historical Licence No: MD/028/0083/040 Details: Dewatering Direct Source: Groundwater Midlands Region Point: UNDERGROUND STRATA AT KEADBY POWER STATION 2 Data Type: Point Name: Siemens Energy Ltd Easting: 482420 Northing: 411710	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 19/11/2019 Expiry Date: 31/03/2022 Issue No: 2 Version Start Date: 23/08/2021 Version End Date: -
M	1042m NE	Status: Historical Licence No: MD/028/0083/040/L Details: Dewatering Direct Source: Groundwater Midlands Region Point: UNDERGROUND STRATA AT KEADBY POWER STATION 2 Data Type: Point Name: Siemens Energy Ltd Easting: 482420 Northing: 411710	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/036030 Original Start Date: 01/04/2022 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2022 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	120

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 71 >**

ID	Location	Details	
1	On site	**Status: Active** **Licence No: 03/28/83/0193** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: PARISH OF BELTON - SOUTH ENGINE DRAIN** **Data Type: Line** **Name: J J & D S STUBLEY LTD** **Easting: 478190** **Northing: 409770**	**Annual Volume (m^3): 5819** **Max Daily Volume (m^3): 611** **Original Application No: -** **Original Start Date: 28/05/1993** **Expiry Date: -** **Issue No: 100** **Version Start Date: 28/05/1993** **Version End Date: -**
2	On site	**Status: Active** **Licence No: 03/28/83/0245** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: KEADBY WITH ALTHORPE - UNNAMED DRAIN - C AND D** **Data Type: Line** **Name: R Smith & Son** **Easting: 482300** **Northing: 409930**	**Annual Volume (m^3): 5821** **Max Daily Volume (m^3): 408.5** **Original Application No: NPS/WR/018012** **Original Start Date: 21/10/1998** **Expiry Date: -** **Issue No: 3** **Version Start Date: 01/04/2021** **Version End Date: -**
3	On site	**Status: Active** **Licence No: 03/28/83/0088** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: NEAR ALTHORPE,SCUNTHORPE - FOLLY DRAIN (1)** **Data Type: Point** **Name: G R Bletcher and Son Ltd** **Easting: 481300** **Northing: 409100**	**Annual Volume (m^3): 10273.96** **Max Daily Volume (m^3): 654.24** **Original Application No: NPS/WR/039828** **Original Start Date: 15/04/1966** **Expiry Date: -** **Issue No: 101** **Version Start Date: 06/11/2023** **Version End Date: -**
4	On site	**Status: Active** **Licence No: MD/028/0083/019** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: WARPING DRAIN AT NORTH MOOR FARM** **Data Type: Line** **Name: Rockscape Contract Services Limited** **Easting: 479198** **Northing: 408445**	**Annual Volume (m^3): 42000** **Max Daily Volume (m^3): 900** **Original Application No: NPS/WR/026554** **Original Start Date: 18/12/2017** **Expiry Date: 31/03/2027** **Issue No: 1** **Version Start Date: 18/12/2017** **Version End Date: -**
5	On site	**Status: Active** **Licence No: 03/28/83/0088** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: NEAR ALTHORPE,SCUNTHORPE - RIVER TORNE (1)** **Data Type: Point** **Name: G R Bletcher and Son Ltd** **Easting: 480900** **Northing: 409800**	**Annual Volume (m^3): 10273.96** **Max Daily Volume (m^3): 654.24** **Original Application No: NPS/WR/039828** **Original Start Date: 15/04/1966** **Expiry Date: -** **Issue No: 101** **Version Start Date: 06/11/2023** **Version End Date: -**

ID	Location	Details	
6	On site	**Status: Active** **Licence No: 03/28/83/0190** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: BELTON PARISH - FOLLY DRAIN** **Data Type: Line** **Name: J J & D S STUBLEY LTD** **Easting: 477860** **Northing: 408740**	**Annual Volume (m^3): 5819** **Max Daily Volume (m^3): 611** **Original Application No: -** **Original Start Date: 28/05/1993** **Expiry Date: -** **Issue No: 100** **Version Start Date: 28/05/1993** **Version End Date: -**
7	On site	**Status: Active** **Licence No: 03/28/83/0192** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: BELTON PARISH - RIVER TORNE** **Data Type: Line** **Name: J J & D S STUBLEY LTD** **Easting: 478150** **Northing: 409840**	**Annual Volume (m^3): 5819** **Max Daily Volume (m^3): 611** **Original Application No: -** **Original Start Date: 28/05/1993** **Expiry Date: -** **Issue No: 100** **Version Start Date: 28/05/1993** **Version End Date: -**
8	On site	**Status: Active** **Licence No: 03/28/83/0195** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: EPWORTH & BELTON - SOUTH ENGINE DRAIN (3)** **Data Type: Line** **Name: Bramhall Farming Ltd** **Easting: 476420** **Northing: 407800**	**Annual Volume (m^3): 22727** **Max Daily Volume (m^3): 2273** **Original Application No: NPS/WR/031462** **Original Start Date: 07/02/1995** **Expiry Date: -** **Issue No: 102** **Version Start Date: 01/04/2020** **Version End Date: -**
9	On site	**Status: Active** **Licence No: MD/028/0083/019** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: MOODY DRAIN AT NORTH MOOR FARM** **Data Type: Line** **Name: Rockscape Contract Services Limited** **Easting: 480373** **Northing: 409154**	**Annual Volume (m^3): 42000** **Max Daily Volume (m^3): 900** **Original Application No: NPS/WR/026554** **Original Start Date: 18/12/2017** **Expiry Date: 31/03/2027** **Issue No: 1** **Version Start Date: 18/12/2017** **Version End Date: -**
10	On site	**Status: Active** **Licence No: MD/028/0083/019** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: NORTH MOOR DRAIN AT NORTH MOOR FARM** **Data Type: Line** **Name: Rockscape Contract Services Limited** **Easting: 479996** **Northing: 409125**	**Annual Volume (m^3): 42000** **Max Daily Volume (m^3): 900** **Original Application No: NPS/WR/026554** **Original Start Date: 18/12/2017** **Expiry Date: 31/03/2027** **Issue No: 1** **Version Start Date: 18/12/2017** **Version End Date: -**

ID	Location	Details	
11	On site	Status: Active Licence No: 03/28/83/0161 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NORTH MOOR,BELTON - FOLLY DRAIN Data Type: Line Name: G R Bletcher & Son Ltd Easting: 479000 Northing: 409750	Annual Volume (m^3): 20000 Max Daily Volume (m^3): 700 Original Application No: NPS/WR/025014 Original Start Date: 20/02/1989 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2019 Version End Date: -
12	On site	Status: Active Licence No: 03/28/83/0188 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: HIRST PRIORY - HATFIELD WASTE DRAIN Data Type: Line Name: Bramall Farming Ltd Easting: 477290 Northing: 410580	Annual Volume (m^3): 1455 Max Daily Volume (m^3): 153 Original Application No: 03/28/83/0188 Original Start Date: 28/05/1983 Expiry Date: - Issue No: 102 Version Start Date: 09/01/2024 Version End Date: -
13	On site	Status: Active Licence No: 03/28/83/0191 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTON - HATFIELD WASTE DRAIN Data Type: Line Name: J J & D S STUBLEY LTD Easting: 478220 Northing: 410510	Annual Volume (m^3): 5819 Max Daily Volume (m^3): 611 Original Application No: - Original Start Date: 28/05/1993 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -
A	On site	Status: Active Licence No: 03/28/83/0189 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: HIRST PARK PRIORY GOLF COURSE - RIVER TORNE Data Type: Line Name: Blinc Hirst Priory Limited Easting: 477600 Northing: 409670	Annual Volume (m^3): 12955 Max Daily Volume (m^3): 3993 Original Application No: NPS/WR/038341 Original Start Date: 28/05/1983 Expiry Date: - Issue No: 102 Version Start Date: 05/04/2023 Version End Date: -
A	On site	Status: Active Licence No: 03/28/83/0189 Details: Spray Irrigation - Storage Direct Source: Surface Water Midlands Region Point: HIRST PARK PRIORY GOLF COURSE - RIVER TORNE Data Type: Line Name: Blinc Hirst Priory Limited Easting: 477600 Northing: 409670	Annual Volume (m^3): 12955 Max Daily Volume (m^3): 3993 Original Application No: NPS/WR/038341 Original Start Date: 28/05/1983 Expiry Date: - Issue No: 102 Version Start Date: 05/04/2023 Version End Date: -

ID	Location	Details	
B	**On site**	**Status: Active** **Licence No: 03/28/83/0246** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: KEADBY WITH ALTHORPE - UNNAMED DRAIN A AND B** **Data Type: Line** **Name: M & J AGRICULTURE** **Easting: 481900** **Northing: 410400**	**Annual Volume (m^3): 1879** **Max Daily Volume (m^3): 131.5** **Original Application No: A/28/83/122** **Original Start Date: 09/12/1998** **Expiry Date: -** **Issue No: 2** **Version Start Date: 03/12/2018** **Version End Date: -**
B	**On site**	**Status: Active** **Licence No: 03/28/83/0245** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: KEADBY WITH ALTHORPE - UNNAMED DRAIN A AND B** **Data Type: Line** **Name: R Smith & Son** **Easting: 481900** **Northing: 410400**	**Annual Volume (m^3): 5821** **Max Daily Volume (m^3): 408.5** **Original Application No: NPS/WR/018012** **Original Start Date: 21/10/1998** **Expiry Date: -** **Issue No: 3** **Version Start Date: 01/04/2021** **Version End Date: -**
C	**On site**	**Status: Historical** **Licence No: 03/28/83/0197** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: EPWORTH & BELTON - HATFIELD WASTE DRAIN** **Data Type: Line** **Name: Maw** **Easting: 475900** **Northing: 409050**	**Annual Volume (m^3): 36363** **Max Daily Volume (m^3): 2273** **Original Application No: -** **Original Start Date: 07/02/1995** **Expiry Date: 31/03/2014** **Issue No: 103** **Version Start Date: 29/07/2010** **Version End Date: -**
D	**On site**	**Status: Historical** **Licence No: 03/28/83/0057** **Details: Spray Irrigation - Direct** **Direct Source: Surface Water Midlands Region** **Point: BELTON GRANGE - DOUBLE RIVERS** **Data Type: Line** **Name: Bramhall Farming Ltd** **Easting: 476500** **Northing: 408100**	**Annual Volume (m^3): 34095** **Max Daily Volume (m^3): 818** **Original Application No: -** **Original Start Date: 18/02/1966** **Expiry Date: -** **Issue No: 102** **Version Start Date: 01/04/2020** **Version End Date: -**
C	1m NW	Status: Active Licence No: MD/028/0083/005 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - HATFIELD WASTE DRAIN Data Type: Line Name: Maw Easting: 475903 Northing: 409046	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/012485 Original Start Date: 01/04/2014 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 13/04/2020 Version End Date: -

ID	Location	Details	
C	1m NW	Status: Historical Licence No: 03/28/83/0197 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - HATFIELD WASTE DRAIN Data Type: Line Name: Maw Easting: 475903 Northing: 409046	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: - Original Start Date: 07/02/1995 Expiry Date: 31/03/2014 Issue No: 103 Version Start Date: 29/07/2010 Version End Date: -
E	3m NW	Status: Historical Licence No: 03/28/83/0057 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTON GRANGE - RIVER TORNE Data Type: Line Name: Bramhall Farming Ltd Easting: 476100 Northing: 410200	Annual Volume (m^3): 34095 Max Daily Volume (m^3): 818 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2020 Version End Date: -
E	5m NW	Status: Active Licence No: 03/28/83/0057 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: HATFIELD WASTE DRAIN NEAR SANDTOFT Data Type: Line Name: Bramhall Farming Ltd Easting: 476150 Northing: 410175	Annual Volume (m^3): 31000 Max Daily Volume (m^3): 818 Original Application No: NPS/WR/034997 Original Start Date: 18/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 01/04/2022 Version End Date: -
14	7m W	Status: Active Licence No: 03/28/83/0195 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - RIVER TORNE (4) Data Type: Line Name: Bramhall Farming Ltd Easting: 476910 Northing: 408630	Annual Volume (m^3): 22727 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/031462 Original Start Date: 07/02/1995 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2020 Version End Date: -
F	9m NW	Status: Historical Licence No: 03/28/83/0197 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - NORTH ENGINE DRAIN Data Type: Line Name: Maw Easting: 475030 Northing: 409810	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: - Original Start Date: 07/02/1995 Expiry Date: 31/03/2014 Issue No: 103 Version Start Date: 29/07/2010 Version End Date: -

ID	Location	Details	
D	10m W	Status: Active Licence No: MD/028/0083/059 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: RIVER TORNE NEAR BELTON Data Type: Line Name: Bramhall Farming Ltd Easting: 476517 Northing: 408072	Annual Volume (m^3): 31000 Max Daily Volume (m^3): 818 Original Application No: NPS/WR/035925 Original Start Date: 18/02/1966 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2022 Version End Date: -
15	11m S	Status: Active Licence No: MD/028/0083/019 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: UN-NAMED DRAIN AT NORTH MOOR FARM Data Type: Line Name: Rockscape Contract Services Limited Easting: 479941 Northing: 408461	Annual Volume (m^3): 42000 Max Daily Volume (m^3): 900 Original Application No: NPS/WR/026554 Original Start Date: 18/12/2017 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 18/12/2017 Version End Date: -
F	11m NW	Status: Active Licence No: MD/028/0083/005 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - NORTH ENGINE DRAIN Data Type: Line Name: Maw Easting: 475030 Northing: 409811	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/012485 Original Start Date: 01/04/2014 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 13/04/2020 Version End Date: -
F	11m NW	Status: Historical Licence No: 03/28/83/0197 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - NORTH ENGINE DRAIN Data Type: Line Name: Maw Easting: 475030 Northing: 409811	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: - Original Start Date: 07/02/1995 Expiry Date: 31/03/2014 Issue No: 103 Version Start Date: 29/07/2010 Version End Date: -
16	14m E	Status: Active Licence No: 03/28/83/0088 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR ALTHORPE,SCUNTHORPE - RIVER TORNE (2) Data Type: Point Name: G R Bletcher and Son Ltd Easting: 482800 Northing: 409500	Annual Volume (m^3): 10273.96 Max Daily Volume (m^3): 654.24 Original Application No: NPS/WR/039828 Original Start Date: 15/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 06/11/2023 Version End Date: -

ID	Location	Details	
17	94m NE	Status: Historical Licence No: 03/28/83/0094 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - DRAINAGE CHANNELS (6) Data Type: Point Name: J A CHAPMAN FARMS Easting: 481700 Northing: 410400	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/04/1966 Version End Date: -
G	94m N	Status: Active Licence No: MD/028/0083/005 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: HATFIELD WASTE DRAIN AT CURLEWS FARM, CROWLE Data Type: Line Name: Maw Easting: 478799 Northing: 410349	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/012485 Original Start Date: 01/04/2014 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 13/04/2020 Version End Date: -
G	94m N	Status: Historical Licence No: 03/28/83/0197 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: HATFIELD WASTE DRAIN AT CURLEWS FARM, CROWLE Data Type: Line Name: Maw Easting: 478799 Northing: 410349	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: - Original Start Date: 07/02/1995 Expiry Date: 31/03/2014 Issue No: 103 Version Start Date: 29/07/2010 Version End Date: -
G	96m N	Status: Historical Licence No: 03/28/83/0197 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: HATFIELD WASTE DRAIN AT CURLEWS FARM, CROWLE Data Type: Line Name: Maw Easting: 478800 Northing: 410350	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: - Original Start Date: 07/02/1995 Expiry Date: 31/03/2014 Issue No: 103 Version Start Date: 29/07/2010 Version End Date: -
18	127m NE	Status: Historical Licence No: 03/28/83/0094 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - DRAINAGE CHANNELS (1) Data Type: Point Name: J A CHAPMAN FARMS Easting: 480600 Northing: 410000	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/04/1966 Version End Date: -

ID	Location	Details	
19	140m E	Status: Active Licence No: 03/28/83/0088 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR ALTHORPE,SCUNTHORPE - FOLLY DRAIN (2) Data Type: Point Name: G R Bletcher and Son Ltd Easting: 482900 Northing: 409000	Annual Volume (m^3): 10273.96 Max Daily Volume (m^3): 654.24 Original Application No: NPS/WR/039828 Original Start Date: 15/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 06/11/2023 Version End Date: -
H	229m SE	Status: Active Licence No: 03/28/83/0260 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT - NORTH MOOR DRAIN Data Type: Point Name: C J DRURY & SON Easting: 481300 Northing: 408270	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 1000 Original Application No: A/28/83/135 Original Start Date: 21/11/2001 Expiry Date: - Issue No: 2 Version Start Date: 03/12/2018 Version End Date: -
H	229m SE	Status: Historical Licence No: 03/28/82/0033 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT - NORTH MOOR DRAIN Data Type: Point Name: M J & C M DRURY AND SONS Easting: 481300 Northing: 408270	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 04/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 04/03/1994 Version End Date: -
20	235m E	Status: Active Licence No: 03/28/83/0245 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: KEADBY WITH ALTHORPE - UNNAMED DRAIN E AND B Data Type: Line Name: R Smith & Son Easting: 482560 Northing: 410040	Annual Volume (m^3): 5821 Max Daily Volume (m^3): 408.5 Original Application No: NPS/WR/018012 Original Start Date: 21/10/1998 Expiry Date: - Issue No: 3 Version Start Date: 01/04/2021 Version End Date: -
I	285m SE	Status: Active Licence No: 03/28/83/0260 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT - CARR LANE DYKE Data Type: Line Name: C J DRURY & SON Easting: 481690 Northing: 408250	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 1000 Original Application No: A/28/83/135 Original Start Date: 21/11/2001 Expiry Date: - Issue No: 2 Version Start Date: 03/12/2018 Version End Date: -

ID	Location	Details	
I	285m SE	Status: Historical Licence No: 03/28/82/0033 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT - CARR LANE DYKE Data Type: Line Name: M J & C M DRURY AND SONS Easting: 481690 Northing: 408250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 04/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 04/03/1994 Version End Date: -
21	322m NW	Status: Historical Licence No: 03/28/83/0254 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: LAND AT CROWLE - STAINFORTH AND KEADBY CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 476800 Northing: 411260	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/05/2000 Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 17/05/2000 Version End Date: -
22	364m NE	Status: Historical Licence No: 03/28/83/0094 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - DRAINAGE CHANNELS (4) Data Type: Point Name: J A CHAPMAN FARMS Easting: 481200 Northing: 410200	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/04/1966 Version End Date: -
23	613m SW	Status: Historical Licence No: 03/28/83/0206 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: WESTGATE - FOLLY DRAIN (REACH) Data Type: Line Name: BOWERS Easting: 477510 Northing: 408310	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1994 Version End Date: -
24	672m E	Status: Active Licence No: 03/28/83/0245 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: KEADBY WITH ALTHORPE - UNNAMED DRAIN F Data Type: Point Name: R Smith & Son Easting: 483080 Northing: 410350	Annual Volume (m^3): 5821 Max Daily Volume (m^3): 408.5 Original Application No: NPS/WR/018012 Original Start Date: 21/10/1998 Expiry Date: - Issue No: 3 Version Start Date: 01/04/2021 Version End Date: -

ID	Location	Details	
25	740m W	Status: Active Licence No: 03/28/83/0195 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - RIVER TORNE (3) Data Type: Line Name: Bramhall Farming Ltd Easting: 476370 Northing: 407810	Annual Volume (m^3): 22727 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/031462 Original Start Date: 07/02/1995 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2020 Version End Date: -
26	753m NE	Status: Historical Licence No: 03/28/83/0094 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - DRAINAGE CHANNELS (3) Data Type: Point Name: J A CHAPMAN FARMS Easting: 481100 Northing: 410800	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/04/1966 Version End Date: -
J	842m NE	Status: Active Licence No: MD/028/0083/014 Details: Boiler Feed Direct Source: Surface Water Midlands Region Point: KEADBY 3 POWER STATION, ABSTRACTION POINT Data Type: Line Name: Canal and River Trust Easting: 482655 Northing: 411480	Annual Volume (m^3): 12200000 Max Daily Volume (m^3): 47040 Original Application No: NPS/WR/034766 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 19/04/2023 Version End Date: -
J	842m NE	Status: Active Licence No: MD/028/0083/014 Details: Make-Up Or Top Up Water Direct Source: Surface Water Midlands Region Point: KEADBY 3 POWER STATION, ABSTRACTION POINT Data Type: Line Name: Canal and River Trust Easting: 482655 Northing: 411480	Annual Volume (m^3): 12200000 Max Daily Volume (m^3): 47040 Original Application No: NPS/WR/034766 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 19/04/2023 Version End Date: -

ID	Location	Details	
J	842m NE	Status: Active Licence No: MD/028/0083/014 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface Water Midlands Region Point: KEADBY 3 POWER STATION, ABSTRACTION POINT Data Type: Line Name: Canal and River Trust Easting: 482655 Northing: 411480	Annual Volume (m^3): 12200000 Max Daily Volume (m^3): 47040 Original Application No: NPS/WR/034766 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 19/04/2023 Version End Date: -
J	842m NE	Status: Active Licence No: MD/028/0083/014 Details: Evaporative Cooling Direct Source: Surface Water Midlands Region Point: KEADBY 3 POWER STATION, ABSTRACTION POINT Data Type: Line Name: Canal and River Trust Easting: 482655 Northing: 411480	Annual Volume (m^3): 12200000 Max Daily Volume (m^3): 47040 Original Application No: NPS/WR/034766 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 19/04/2023 Version End Date: -
27	867m SW	Status: Active Licence No: 03/28/83/0196 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - FOLLY DRAIN (2) Data Type: Line Name: TILLERS TURF COMPANY LTD Easting: 477060 Northing: 407740	Annual Volume (m^3): 9091 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/024914 Original Start Date: 07/02/1995 Expiry Date: - Issue No: 101 Version Start Date: 10/11/2016 Version End Date: -
J	886m NE	Status: Active Licence No: MD/028/0083/014 Details: Make-Up Or Top Up Water Direct Source: Surface Water Midlands Region Point: KEADBY 2 POWER STATION ABSTRACTION POINT Data Type: Point Name: Canal and River Trust Easting: 482790 Northing: 411478	Annual Volume (m^3): 12200000 Max Daily Volume (m^3): 47040 Original Application No: NPS/WR/034766 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 19/04/2023 Version End Date: -

ID	Location	Details	
J	886m NE	Status: Active Licence No: MD/028/0083/014 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface Water Midlands Region Point: KEADBY 2 POWER STATION ABSTRACTION POINT Data Type: Point Name: Canal and River Trust Easting: 482790 Northing: 411478	Annual Volume (m^3): 12200000 Max Daily Volume (m^3): 47040 Original Application No: NPS/WR/034766 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 19/04/2023 Version End Date: -
J	886m NE	Status: Active Licence No: MD/028/0083/014 Details: Evaporative Cooling Direct Source: Surface Water Midlands Region Point: KEADBY 2 POWER STATION ABSTRACTION POINT Data Type: Point Name: Canal and River Trust Easting: 482790 Northing: 411478	Annual Volume (m^3): 12200000 Max Daily Volume (m^3): 47040 Original Application No: NPS/WR/034766 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 19/04/2023 Version End Date: -
J	886m NE	Status: Active Licence No: MD/028/0083/014 Details: Boiler Feed Direct Source: Surface Water Midlands Region Point: KEADBY 2 POWER STATION ABSTRACTION POINT Data Type: Point Name: Canal and River Trust Easting: 482790 Northing: 411478	Annual Volume (m^3): 12200000 Max Daily Volume (m^3): 47040 Original Application No: NPS/WR/034766 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 19/04/2023 Version End Date: -
J	886m NE	Status: Historical Licence No: MD/028/0083/014 Details: Evaporative Cooling Direct Source: Surface Water Midlands Region Point: KEADBY 2 POWER STATION ABSTRACTION POINT Data Type: Point Name: Canal and River Trust Easting: 482790 Northing: 411478	Annual Volume (m^3): 4950000 Max Daily Volume (m^3): 19600 Original Application No: NPS/WR/027691 Original Start Date: 14/06/2017 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 01/04/2019 Version End Date: -

ID	Location	Details	
J	897m NE	Status: Active Licence No: 03/28/83/0171 Details: Boiler Feed Direct Source: Surface Water Midlands Region Point: KEADBY POWER STATION - STAINFORTH CANAL Data Type: Point Name: Canal and River Trust Easting: 482790 Northing: 411490	Annual Volume (m^3): 350000 Max Daily Volume (m^3): 1700 Original Application No: - Original Start Date: 03/06/1992 Expiry Date: 31/03/2032 Issue No: 101 Version Start Date: 03/12/2018 Version End Date: -
28	938m NE	Status: Historical Licence No: 03/28/83/0094 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - DRAINAGE CHANNELS (7) Data Type: Point Name: J A CHAPMAN FARMS Easting: 481800 Northing: 411400	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/04/1966 Version End Date: -
29	997m W	Status: Active Licence No: 03/28/83/0162 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: WESTGATE,BELTON - SOUTH LEVEL ENGINE DRAIN Data Type: Point Name: T D & P A JOHNSON Easting: 476590 Northing: 408100	Annual Volume (m^3): 27250 Max Daily Volume (m^3): 1210 Original Application No: - Original Start Date: 27/02/1989 Expiry Date: - Issue No: 102 Version Start Date: 25/10/2006 Version End Date: -
30	1042m W	Status: Historical Licence No: 03/28/83/0197 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - NORTH IDLE DRAIN (3) Data Type: Line Name: Maw Easting: 474490 Northing: 408890	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: - Original Start Date: 07/02/1995 Expiry Date: 31/03/2014 Issue No: 103 Version Start Date: 29/07/2010 Version End Date: -
N	1069m NW	Status: Historical Licence No: 03/28/84/0005 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - NORTH SOAK DRAIN Data Type: Point Name: PROCTOR Easting: 476540 Northing: 411420	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/01/1985 Expiry Date: - Issue No: 100 Version Start Date: 31/01/1985 Version End Date: -

ID	Location	Details	
N	1069m NW	Status: Historical Licence No: 03/28/83/0266 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - NORTH SOAK DRAIN Data Type: Point Name: T C BREARS & SONS Easting: 476540 Northing: 411420	Annual Volume (m^3): 4440 Max Daily Volume (m^3): 264 Original Application No: - Original Start Date: 21/09/2001 Expiry Date: - Issue No: 2 Version Start Date: 01/04/2003 Version End Date: -
31	1077m NE	Status: Historical Licence No: 03/28/83/0094 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - DRAINAGE CHANNELS (5) Data Type: Point Name: J A CHAPMAN FARMS Easting: 481300 Northing: 411300	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/04/1966 Version End Date: -
32	1078m SW	Status: Historical Licence No: 03/28/83/0206 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: WESTGATE - FOLLY DRAIN (POINT) Data Type: Point Name: BOWERS Easting: 477100 Northing: 407840	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1994 Version End Date: -
33	1159m E	Status: Active Licence No: 03/28/81/0025 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BURRINGHAM - CARR DYKE NORTH (E) Data Type: Point Name: THORNTON Easting: 484140 Northing: 409280	Annual Volume (m^3): 24000 Max Daily Volume (m^3): 1265 Original Application No: - Original Start Date: 29/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -
34	1229m W	Status: Active Licence No: 03/28/83/0201 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTON - HATFIELD WASTE DRAIN Data Type: Line Name: H BARKER & SONS Easting: 475900 Northing: 409040	Annual Volume (m^3): 45000 Max Daily Volume (m^3): 2945 Original Application No: - Original Start Date: 21/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2024 Version End Date: -

ID	Location	Details	
35	1251m NE	Status: Historical Licence No: 03/28/83/0094 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - DRAINAGE CHANNELS (2) Data Type: Point Name: J A CHAPMAN FARMS Easting: 480800 Northing: 411200	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/04/1966 Version End Date: -
36	1267m NW	Status: Active Licence No: 03/28/83/0067 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: GLEBE FARM - THE SOUTH SOAK DRAIN Data Type: Point Name: H BARKER & SONS Easting: 476300 Northing: 411450	Annual Volume (m^3): 13638 Max Daily Volume (m^3): 1200 Original Application No: - Original Start Date: 08/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1982 Version End Date: -
O	1284m NE	Status: Active Licence No: 03/28/83/0257/1 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NORTH PILFREY FARM,KEADBY - NORTH SOAK DRAIN Data Type: Point Name: Waterton Hall Farms Easting: 480950 Northing: 411350	Annual Volume (m^3): 46000 Max Daily Volume (m^3): 2200 Original Application No: NPS/WR/032373 Original Start Date: 01/04/2008 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 30/10/2019 Version End Date: -
O	1284m NE	Status: Historical Licence No: 03/28/83/0257 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NORTH PILFREY FARM,KEADBY - NORTH SOAK DRAIN Data Type: Point Name: W H STRAWSON (FARMS) LTD Easting: 480950 Northing: 411350	Annual Volume (m^3): 46000 Max Daily Volume (m^3): 2200 Original Application No: - Original Start Date: 06/09/2001 Expiry Date: 31/03/2008 Issue No: 2 Version Start Date: 01/04/2004 Version End Date: -
-	1326m W	Status: Active Licence No: 03/28/83/0114 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: DIRTNESS BRIDGE FARM - HATFIELD WASTE DRAIN Data Type: Line Name: CUNDALL Easting: 475870 Northing: 409220	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 545.5 Original Application No: - Original Start Date: 30/11/1976 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -

ID	Location	Details	
-	1327m W	Status: Active Licence No: 03/28/83/0147 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SMAQUE FARM - CATALINE DRAIN Data Type: Line Name: J S BROOKE AND SONS Easting: 475350 Northing: 408900	Annual Volume (m^3): 15450 Max Daily Volume (m^3): 1100 Original Application No: - Original Start Date: 02/09/1985 Expiry Date: - Issue No: 101 Version Start Date: 27/01/2000 Version End Date: -
-	1331m E	Status: Active Licence No: 03/28/81/0025 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BURRINGHAM - CARR DYKE NORTH (D) Data Type: Point Name: THORNTON Easting: 484210 Northing: 408900	Annual Volume (m^3): 24000 Max Daily Volume (m^3): 1265 Original Application No: - Original Start Date: 29/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -
-	1348m E	Status: Active Licence No: 03/28/81/0025 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BURRINGHAM - CARR DYKE NORTH (F) Data Type: Point Name: THORNTON Easting: 484340 Northing: 409430	Annual Volume (m^3): 24000 Max Daily Volume (m^3): 1265 Original Application No: - Original Start Date: 29/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -
41	1353m E	Status: Active Licence No: 03/28/81/0025 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BURRINGHAM - CARR DYKE NORTH (C) Data Type: Point Name: THORNTON Easting: 484100 Northing: 408590	Annual Volume (m^3): 24000 Max Daily Volume (m^3): 1265 Original Application No: - Original Start Date: 29/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -
-	1359m E	Status: Historical Licence No: 03/28/81/0046 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CARR DYKE NORTH - BRUMBY COMMON Data Type: Line Name: W S CHAPMAN & SONS Easting: 484360 Northing: 409600	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 08/06/2001 Version End Date: -

ID	Location	Details	
-	1359m E	Status: Historical Licence No: 03/28/81/0046/1 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CARR DYKE NORTH - BRUMBY COMMON Data Type: Line Name: W S CHAPMAN & SONS Easting: 484360 Northing: 409600	Annual Volume (m^3): 48316 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 08/08/2003 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 08/08/2003 Version End Date: -
-	1361m E	Status: Historical Licence No: 03/28/81/0046/1/R01 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CARR DYKE NORTH - BRUMBY COMMON - G TO H Data Type: Line Name: W S CHAPMAN & SONS LIMITED Easting: 484363 Northing: 409605	Annual Volume (m^3): 48316 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
42	1421m E	Status: Active Licence No: 03/28/81/0025 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BURRINGHAM - HEALEYS DRAIN (A) Data Type: Point Name: THORNTON Easting: 484070 Northing: 408410	Annual Volume (m^3): 24000 Max Daily Volume (m^3): 1265 Original Application No: - Original Start Date: 29/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -
43	1425m SE	Status: Active Licence No: 03/28/82/0032 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT - RUSHCARR LANE DRAIN (POINT) Data Type: Point Name: A J DRURY (FARMS) Easting: 482190 Northing: 407240	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 1000 Original Application No: NPS/WR/032394 Original Start Date: 04/03/1994 Expiry Date: - Issue No: 102 Version Start Date: 11/09/2019 Version End Date: -
-	1523m E	Status: Historical Licence No: 03/28/81/0046 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: INGS DRAIN-BRUMBY COMMON Data Type: Line Name: W S CHAPMAN & SONS Easting: 484610 Northing: 410110	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 08/06/2001 Version End Date: -

ID	Location	Details	
-	1523m E	Status: Historical Licence No: 03/28/81/0046/1 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: INGS DRAIN-BRUMBY COMMON Data Type: Line Name: W S CHAPMAN & SONS Easting: 484610 Northing: 410110	Annual Volume (m^3): 48316 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 08/08/2003 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 08/08/2003 Version End Date: -
R	1525m SE	Status: Active Licence No: 03/28/82/0032 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT - RUSHCARR LANE DRAIN (REACH) Data Type: Line Name: A J DRURY (FARMS) Easting: 482290 Northing: 406490	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 1000 Original Application No: NPS/WR/032394 Original Start Date: 04/03/1994 Expiry Date: - Issue No: 102 Version Start Date: 11/09/2019 Version End Date: -
-	1529m E	Status: Historical Licence No: 03/28/81/0046/1/R01 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: INGS DRAIN-BRUMBY COMMON-E TO F Data Type: Line Name: W S CHAPMAN & SONS LIMITED Easting: 484605 Northing: 410116	Annual Volume (m^3): 48316 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
44	1530m SE	Status: Active Licence No: 03/28/82/0032 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT - WILLOW COTTAGE DYKE Data Type: Point Name: A J DRURY (FARMS) Easting: 482460 Northing: 407280	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 1000 Original Application No: NPS/WR/032394 Original Start Date: 04/03/1994 Expiry Date: - Issue No: 102 Version Start Date: 11/09/2019 Version End Date: -
-	1568m W	Status: Historical Licence No: 03/28/83/0197 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - WOODCARR DRAIN Data Type: Line Name: Maw Easting: 474490 Northing: 408890	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: - Original Start Date: 07/02/1995 Expiry Date: 31/03/2014 Issue No: 103 Version Start Date: 29/07/2010 Version End Date: -

ID	Location	Details	
-	1571m W	Status: Active Licence No: MD/028/0083/005 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - WOODCARR DRAIN Data Type: Line Name: Maw Easting: 474491 Northing: 408890	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/012485 Original Start Date: 01/04/2014 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 13/04/2020 Version End Date: -
-	1571m W	Status: Historical Licence No: 03/28/83/0197 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - WOODCARR DRAIN Data Type: Line Name: Maw Easting: 474491 Northing: 408890	Annual Volume (m^3): 36363 Max Daily Volume (m^3): 2273 Original Application No: - Original Start Date: 07/02/1995 Expiry Date: 31/03/2014 Issue No: 103 Version Start Date: 29/07/2010 Version End Date: -
45	1615m SW	Status: Active Licence No: 03/28/83/0123 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: STOCKHOLES TURBARY - FOLLY DRAIN Data Type: Line Name: T D & P A JOHNSON Easting: 476730 Northing: 407360	Annual Volume (m^3): 50000 Max Daily Volume (m^3): 1210 Original Application No: - Original Start Date: 15/12/1977 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2024 Version End Date: -
T	1662m NE	Status: Historical Licence No: 03/28/84/0025 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: KEADBY - WARPING DRAIN Data Type: Line Name: HIGGINS AGRICULTURE LTD Easting: 482970 Northing: 412240	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/07/2001 Expiry Date: 31/10/2004 Issue No: 1 Version Start Date: 23/07/2001 Version End Date: -
46	1667m SE	Status: Active Licence No: 03/28/82/0034 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT/ W BUTTERWICK - RUSHCARR LANE DRAIN (REACH) Data Type: Line Name: W F MOORE (WARPLANDS) LTD Easting: 482200 Northing: 406980	Annual Volume (m^3): 54546 Max Daily Volume (m^3): 1320 Original Application No: - Original Start Date: 04/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -

ID	Location	Details	
47	1692m NE	Status: Historical Licence No: 03/28/84/0008 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: KEADBY COMMON - UN-NAMED DRAIN Data Type: Point Name: FOSTER-THORNTON Easting: 481780 Northing: 412230	Annual Volume (m^3): 7700 Max Daily Volume (m^3): 540 Original Application No: - Original Start Date: 26/03/1993 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2000 Version End Date: -
T	1705m NE	Status: Active Licence No: MD/028/0084/005 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: WARPING DRAIN AT KEADBY, NORTH LINCS Data Type: Line Name: RJ & AE GODFREY Easting: 483171 Northing: 412204	Annual Volume (m^3): 7300 Max Daily Volume (m^3): 394 Original Application No: NPS/WR/015487 Original Start Date: 12/06/2014 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 12/06/2014 Version End Date: -
U	1705m NE	Status: Active Licence No: MD/028/0084/002/R01 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - WARPING DRAIN Data Type: Line Name: ER Woodhouse Easting: 482260 Northing: 412480	Annual Volume (m^3): 2700 Max Daily Volume (m^3): 146 Original Application No: NPS/WR/016513 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
U	1705m NE	Status: Historical Licence No: 03/28/84/0017 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - WARPING DRAIN Data Type: Line Name: T F BELTON LIMITED Easting: 482260 Northing: 412480	Annual Volume (m^3): 10000 Max Daily Volume (m^3): 540 Original Application No: - Original Start Date: 01/03/1999 Expiry Date: - Issue No: 1 Version Start Date: 01/03/1999 Version End Date: -
U	1705m NE	Status: Historical Licence No: MD/028/0084/001 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - WARPING DRAIN Data Type: Line Name: T F BELTON LIMITED Easting: 482260 Northing: 412480	Annual Volume (m^3): 7300 Max Daily Volume (m^3): 394 Original Application No: - Original Start Date: 01/01/2009 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 01/01/2009 Version End Date: -

ID	Location	Details	
U	1705m NE	Status: Historical Licence No: MD/028/0084/002 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR KEADBY - WARPING DRAIN Data Type: Line Name: Woodhouse Easting: 482260 Northing: 412480	Annual Volume (m^3): 2700 Max Daily Volume (m^3): 146 Original Application No: - Original Start Date: 01/01/2009 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 04/10/2009 Version End Date: -
-	1720m W	Status: Active Licence No: MD/028/0083/032 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: Surface Water Midlands Region Point: POINT A HATFIELD WASTE DRAIN AT STANCHE BRIDGE Data Type: Point Name: ENVIRONMENT AGENCY Easting: 475441 Northing: 408904	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/NA/000818 Original Start Date: 22/12/2022 Expiry Date: 31/03/2038 Issue No: 1 Version Start Date: 22/12/2022 Version End Date: -
49	1728m SW	Status: Historical Licence No: 03/28/83/0181 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: STOCKHOLES TURBARY - FOLLY DRAIN Data Type: Point Name: TREWEEK Easting: 476670 Northing: 407260	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 30/03/1994 Expiry Date: - Issue No: 101 Version Start Date: 16/03/2005 Version End Date: -
V	1759m NW	Status: Historical Licence No: 03/28/84/0004 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - OLD RIVER DRAIN 2 Data Type: Point Name: PROCTOR Easting: 476750 Northing: 412330	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/01/1985 Expiry Date: - Issue No: 100 Version Start Date: 31/01/1985 Version End Date: -
V	1759m NW	Status: Historical Licence No: 03/28/83/0264 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - OLD RIVER DRAIN 2 Data Type: Point Name: PROCTOR Easting: 476750 Northing: 412330	Annual Volume (m^3): 9210 Max Daily Volume (m^3): 264 Original Application No: - Original Start Date: 21/11/2001 Expiry Date: - Issue No: 1 Version Start Date: 21/11/2001 Version End Date: -

ID	Location	Details	
-	1768m E	Status: Historical Licence No: 03/28/81/0046/1/R01 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EARL BEAUCHAMPS WARPING DRAIN - REACH 2 Data Type: Line Name: W S CHAPMAN & SONS LIMITED Easting: 486162 Northing: 410084	Annual Volume (m^3): 48316 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	1774m E	Status: Historical Licence No: 03/28/81/0046 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EARL BEAUCHAMPS WARPING DRAIN - REACH 2 Data Type: Line Name: W S CHAPMAN & SONS Easting: 486160 Northing: 410070	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 08/06/2001 Version End Date: -
-	1774m E	Status: Historical Licence No: 03/28/81/0046/1 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EARL BEAUCHAMPS WARPING DRAIN - REACH 2 Data Type: Line Name: W S CHAPMAN & SONS Easting: 486160 Northing: 410070	Annual Volume (m^3): 48316 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 08/08/2003 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 08/08/2003 Version End Date: -
-	1781m E	Status: Active Licence No: 03/28/81/0026 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: HEALEYS DRAIN Data Type: Point Name: J JACKSON LTD Easting: 484500 Northing: 408430	Annual Volume (m^3): 158000 Max Daily Volume (m^3): 6400 Original Application No: NPS/WR/033887 Original Start Date: 16/09/1993 Expiry Date: - Issue No: 102 Version Start Date: 18/05/2020 Version End Date: -
-	1787m W	Status: Active Licence No: 03/28/83/0114 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: DIRTNESS BRIDGE FARM - ANCHOR DYKE Data Type: Line Name: CUNDALL Easting: 475400 Northing: 409220	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 545.5 Original Application No: - Original Start Date: 30/11/1976 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -

ID	Location	Details	
-	1799m E	Status: Active Licence No: 03/28/81/0026 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: HEALEYS DRAIN Data Type: Line Name: J JACKSON LTD Easting: 484520 Northing: 408430	Annual Volume (m^3): 158000 Max Daily Volume (m^3): 6400 Original Application No: NPS/WR/033887 Original Start Date: 16/09/1993 Expiry Date: - Issue No: 102 Version Start Date: 18/05/2020 Version End Date: -
-	1799m E	Status: Active Licence No: 03/28/81/0026 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: Surface Water Midlands Region Point: HEALEYS DRAIN Data Type: Line Name: J JACKSON LTD Easting: 484520 Northing: 408430	Annual Volume (m^3): 158000 Max Daily Volume (m^3): 6400 Original Application No: NPS/WR/033887 Original Start Date: 16/09/1993 Expiry Date: - Issue No: 102 Version Start Date: 18/05/2020 Version End Date: -
R	1829m SE	Status: Active Licence No: 03/28/82/0034 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BELTOFT/ W BUTTERWICK - RUSHCARR LANE DRAIN (POINT 1) Data Type: Point Name: W F MOORE (WARPLANDS) LTD Easting: 482210 Northing: 406810	Annual Volume (m^3): 54546 Max Daily Volume (m^3): 1320 Original Application No: - Original Start Date: 04/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -
Y	1831m SE	Status: Active Licence No: MD/028/0082/004 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: WEST BUTTERWICK - RUSHCARR LANE DRAIN Data Type: Line Name: COGGON BROS Easting: 482285 Northing: 406484	Annual Volume (m^3): 20000 Max Daily Volume (m^3): 1440 Original Application No: A/28/82/24 Original Start Date: 01/04/2014 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 03/12/2018 Version End Date: -
-	1844m E	Status: Active Licence No: 03/28/81/0025 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BURRINGHAM - HEALEYS DRAIN (B) Data Type: Point Name: THORNTON Easting: 484570 Northing: 408430	Annual Volume (m^3): 24000 Max Daily Volume (m^3): 1265 Original Application No: - Original Start Date: 29/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: -

ID	Location	Details	
53	1851m SW	Status: Active Licence No: 03/28/83/0120 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NEAR EPWORTH - RIVER TORNE Data Type: Line Name: Wroot Farming Company Easting: 475680 Northing: 406600	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 455 Original Application No: NPS/WR/016016 Original Start Date: 18/10/1977 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2020 Version End Date: -
54	1867m SW	Status: Active Licence No: 03/28/83/0195 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - SOUTH ENGINE DRAIN (2) Data Type: Line Name: Bramhall Farming Ltd Easting: 475950 Northing: 406490	Annual Volume (m^3): 22727 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/031462 Original Start Date: 07/02/1995 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2020 Version End Date: -
Y	1876m SE	Status: Historical Licence No: 03/28/82/0044 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: WEST BUTTERWICK - RUSHCARR LANE DRAIN Data Type: Line Name: COGGAN BROS Easting: 482320 Northing: 406540	Annual Volume (m^3): 30000 Max Daily Volume (m^3): 2420 Original Application No: - Original Start Date: 02/07/1997 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 02/07/1997 Version End Date: -
Y	1876m SE	Status: Historical Licence No: 03/28/82/0044/1 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: WEST BUTTERWICK - RUSHCARR LANE DRAIN Data Type: Line Name: COGGAN BROS Easting: 482320 Northing: 406540	Annual Volume (m^3): 30000 Max Daily Volume (m^3): 2420 Original Application No: - Original Start Date: 03/05/2007 Expiry Date: 31/03/2014 Issue No: 1 Version Start Date: 03/05/2007 Version End Date: -
55	1918m SW	Status: Active Licence No: 03/28/83/0195 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EPWORTH & BELTON - RIVER TORNE (2) Data Type: Line Name: Bramhall Farming Ltd Easting: 475730 Northing: 406740	Annual Volume (m^3): 22727 Max Daily Volume (m^3): 2273 Original Application No: NPS/WR/031462 Original Start Date: 07/02/1995 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2020 Version End Date: -

ID	Location	Details	
Z	1926m NW	Status: Active Licence No: 03/28/83/0259 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CROWLE - OLD RIVER DRAIN Data Type: Line Name: DAN ALBONE & SON LTD Easting: 475900 Northing: 412000	Annual Volume (m^3): 24000 Max Daily Volume (m^3): 2945 Original Application No: NPS/WR/035308 Original Start Date: 21/11/2001 Expiry Date: - Issue No: 2 Version Start Date: 27/04/2021 Version End Date: -
Z	1926m NW	Status: Historical Licence No: 03/28/84/0010 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CROWLE - OLD RIVER DRAIN Data Type: Line Name: H BARKER & SONS Easting: 475900 Northing: 412000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 30/05/1995 Version End Date: -
56	1971m NW	Status: Historical Licence No: 03/28/84/0004 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - OLD RIVER DRAIN Data Type: Line Name: PROCTOR Easting: 476750 Northing: 412720	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/01/1985 Expiry Date: - Issue No: 100 Version Start Date: 31/01/1985 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

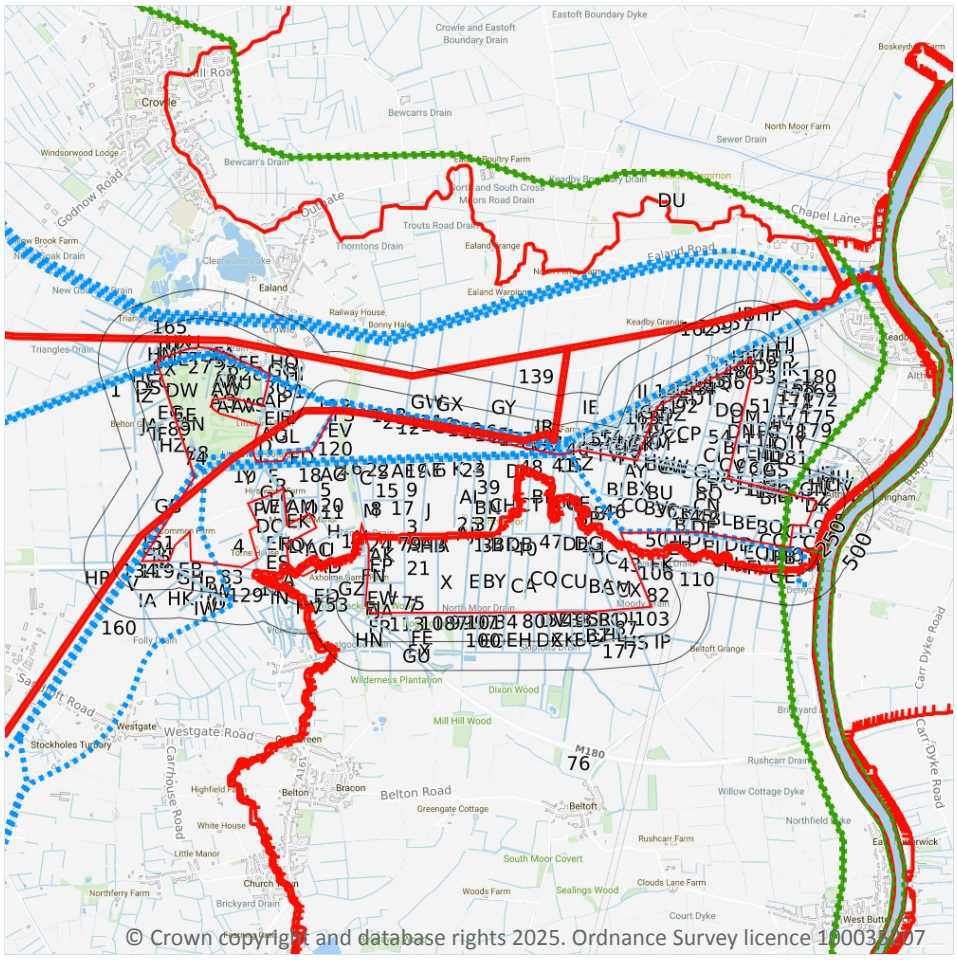
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	560

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 100 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**North Engine Drain**

ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
10	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
11	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
12	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Torne
13	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
14	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
15	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
16	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain
17	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
18	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
19	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
20	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
21	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
22	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
23	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
24	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Temple Drain
25	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
26	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
27	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
28	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
29	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Engine Drain
30	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
31	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
32	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	New Godnow Drain
33	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	New Godnow Drain
34	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
35	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
36	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
37	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
38	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
39	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
40	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
41	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
42	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
43	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	warping Drain
44	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	warping Drain
45	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
46	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
47	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	warping Drain
48	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
49	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	North Moor Drain
50	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Folly Drain
51	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
52	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
53	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
54	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Temple Drain
C	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Temple Drain
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Temple Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
N	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
P	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
T	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
V	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Torne
W	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
X	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Y	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Z	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AA	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Temple Drain
AB	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BA	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CA	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AD	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
CB	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BD	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
BD	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
CC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DB	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BE	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CD	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DC	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
DC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DC	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DC	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	warping Drain
DC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	warping Drain
AG	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AG	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BF	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CE	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DD	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
AH	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BG	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CF	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
DE	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DE	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BH	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CG	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DF	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BI	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CH	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BI	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DG	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DG	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	warping Drain
DG	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
BI	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain
AK	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Temple Drain
BJ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CI	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DH	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DH	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Folly Drain
DH	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
AL	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BK	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CJ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DI	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AM	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BL	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
CK	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DJ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BM	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CL	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DK	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain
AO	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BN	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CM	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DL	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
AP	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AP	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BO	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
CN	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DM	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AQ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BP	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CO	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AR	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BQ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CP	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DO	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AS	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AS	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AS	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BR	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CQ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DP	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DP	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AT	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AT	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BS	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CR	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
BS	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
CR	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	North Moor Drain
AU	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AU	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AU	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BT	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CS	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BU	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CT	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AW	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BV	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CU	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BV	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AX	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	New Godnow Drain
BW	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CV	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AY	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BX	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CW	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
AZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
CX	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
BZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CY	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AM	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	North Moor Drain
DV	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
DW	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
DQ	1m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DT	1m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
80	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
DX	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	1m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DZ	1m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DY	2m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
82	2m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Moody Drain
EC	3m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
EA	4m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EB	4m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
83	4m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
ED	4m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DT	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	4m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DI	4m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	North Moor Drain
AN	4m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DZ	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	5m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	5m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Three Rivers
84	5m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
EH	5m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
86	6m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DI	6m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
87	6m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Moody Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
DI	6m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Moody Drain
AZ	6m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain
EI	6m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
88	7m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
89	7m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EK	7m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
91	7m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
92	7m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
93	7m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EL	7m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EJ	7m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	8m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
95	9m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
97	10m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
EO	10m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
98	10m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
99	10m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
EP	11m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Temple Drain
EP	11m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Temple Drain
EN	11m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
100	12m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
101	12m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	North Moor Drain
EQ	12m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	12m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
102	13m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	South Engine Drain
ER	13m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
103	13m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Moody Drain
EF	13m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain
EV	14m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AP	14m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ES	14m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EW	15m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Temple Drain
EU	15m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	New Godnow Drain
EW	15m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Temple Drain
ET	15m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	15m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	15m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	16m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
105	16m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
EY	16m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EW	16m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Temple Drain
106	17m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Moody Drain
107	17m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	North Moor Drain
108	17m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
109	17m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	South Engine Drain
110	17m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	warping Drain
EM	17m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain
EX	18m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
111	18m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EZ	18m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	18m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FC	19m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
EY	19m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FA	19m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FD	20m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EJ	20m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	20m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
113	21m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
FE	21m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	21m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	22m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FG	22m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FH	22m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
115	22m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Folly Drain
EP	22m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stealgoose Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
116	23m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
AZ	23m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	South Engine Drain
FI	23m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FF	23m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EQ	23m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
118	24m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
AZ	24m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Torne
AZ	24m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain
EK	24m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	24m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	South Engine Drain
119	24m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain
EP	25m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EP	25m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stealgoose Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
120	25m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EP	27m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FK	28m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FJ	29m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stealgoose Drain
FB	29m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DD	30m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EW	30m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Stealgoose Drain
DD	30m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EP	30m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stealgoose Drain
FM	31m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FN	31m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FO	32m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
FL	32m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
FP	33m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FQ	34m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FR	42m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	North Moor Drain
FS	42m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EM	43m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FT	44m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
ES	45m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FS	47m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
FU	47m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FS	47m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
FV	48m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Derrythorpe Dyke
FW	49m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
121	50m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
122	50m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
FY	52m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FX	53m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FZ	54m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	55m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Torne
AZ	55m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Engine Drain
EF	56m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
123	56m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
GA	57m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GB	58m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GC	58m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	58m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Torne
GD	59m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
GE	59m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GF	62m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FO	63m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
EM	63m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GG	65m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FR	66m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Stealgoose Drain
GG	66m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AZ	68m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
AZ	68m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Engine Drain
GH	68m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EM	69m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GI	69m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
128	71m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
129	71m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Folly Drain
GJ	71m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GF	74m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GK	77m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FQ	79m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FR	79m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stealgoose Drain
GL	82m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
130	82m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
131	82m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GM	83m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GN	84m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FT	86m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
FT	86m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers

ID	Location	Type of water feature	Ground level	Permanence	Name
132	86m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
GO	86m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GD	87m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
134	91m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
135	91m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
136	91m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GQ	93m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
ES	93m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
GS	95m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
137	95m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
GT	95m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GO	95m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
GR	96m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
FT	96m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Three Rivers
139	98m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ES	101m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FR	102m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
140	103m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hatfield Waste Drain
GV	103m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GU	105m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FR	106m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	North Moor Drain
GT	106m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
GW	107m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GX	107m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GN	108m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GH	109m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
GY	114m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GZ	115m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GV	117m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
GC	117m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HB	119m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HA	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
141	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
142	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HC	120m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
143	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
144	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
145	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GQ	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
HD	121m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
146	121m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
147	121m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
148	122m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HE	122m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HF	126m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HF	126m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
HG	127m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
149	127m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HH	129m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HH	129m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HI	130m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HH	130m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
GH	130m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HJ	131m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HB	132m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HK	132m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FT	134m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HL	136m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HM	138m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HN	142m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stealgoose Drain
FR	142m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
151	143m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HO	148m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HP	149m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
153	149m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
GL	150m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FR	150m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
154	152m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
155	152m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FR	152m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HO	153m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
HQ	153m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
157	156m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HR	158m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HS	158m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HS	158m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Skiptons Drain
HS	160m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Skiptons Drain
HT	162m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
HU	162m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HS	165m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Skiptons Drain
HV	165m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HW	167m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HW	168m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
159	171m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HW	171m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GL	173m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HX	173m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HY	173m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HZ	174m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
V	178m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
160	178m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Engine Drain

ID	Location	Type of water feature	Ground level	Permanence	Name
HO	179m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IA	187m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HE	187m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
HO	188m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
IB	193m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HO	193m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IC	194m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
162	199m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ID	201m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
HO	203m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
IE	204m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IF	206m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HW	206m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
HO	209m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HO	209m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IG	212m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
163	212m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HW	213m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
II	215m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IG	215m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
IJ	217m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
165	217m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	South Soak Drain
IK	219m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IC	220m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IL	223m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IC	225m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
IC	225m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IM	225m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IN	230m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
168	231m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IP	232m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
169	232m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
170	232m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IC	232m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IO	233m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
HS	233m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Skiptons Drain
171	233m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
172	233m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IQ	233m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
DS	234m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
GS	234m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IR	235m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IN	236m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
174	237m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IC	238m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IT	238m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IM	238m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IU	238m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
175	238m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IC	239m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IV	239m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ID	239m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
IW	240m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IM	241m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
IM	242m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
177	242m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Skiptons Drain
178	242m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
179	242m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IK	244m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
180	244m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IO	246m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IY	247m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
181	248m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
IZ	248m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
JA	250m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	170

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 100 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	3

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 100 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
74	**On site**	**River**	**Hatfield Waste Drain Catchment (trib of Torne/Three Rivers)**	**GB104028064330**	**Isle of Axholme**	**Idle and Torne**
75	**On site**	**River**	**Torne/Three Rivers from Mother Drain to Trent**	**GB104028064340**	**Isle of Axholme**	**Idle and Torne**
76	**On site**	**Coastal Catchment**	**Not part of a river WB catchment**	**101**	**Isle of Axholme**	**Idle and Torne**

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	3

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 100 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
77	**On site**	**River**	**Torne/Three Rivers from Mother Drain to Trent**	**GB104028064340** ↗	**Moderate**	**Fail**	**Moderate**	**2019**
78	**On site**	**River**	**Hatfield Waste Drain Catchment (trib of Torne/Three Rivers)**	**GB104028064330** ↗	**Poor**	**Fail**	**Poor**	**2019**
150	132m E	Transi	HUMBER UPPER	GB530402609203 ↗	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site **2**

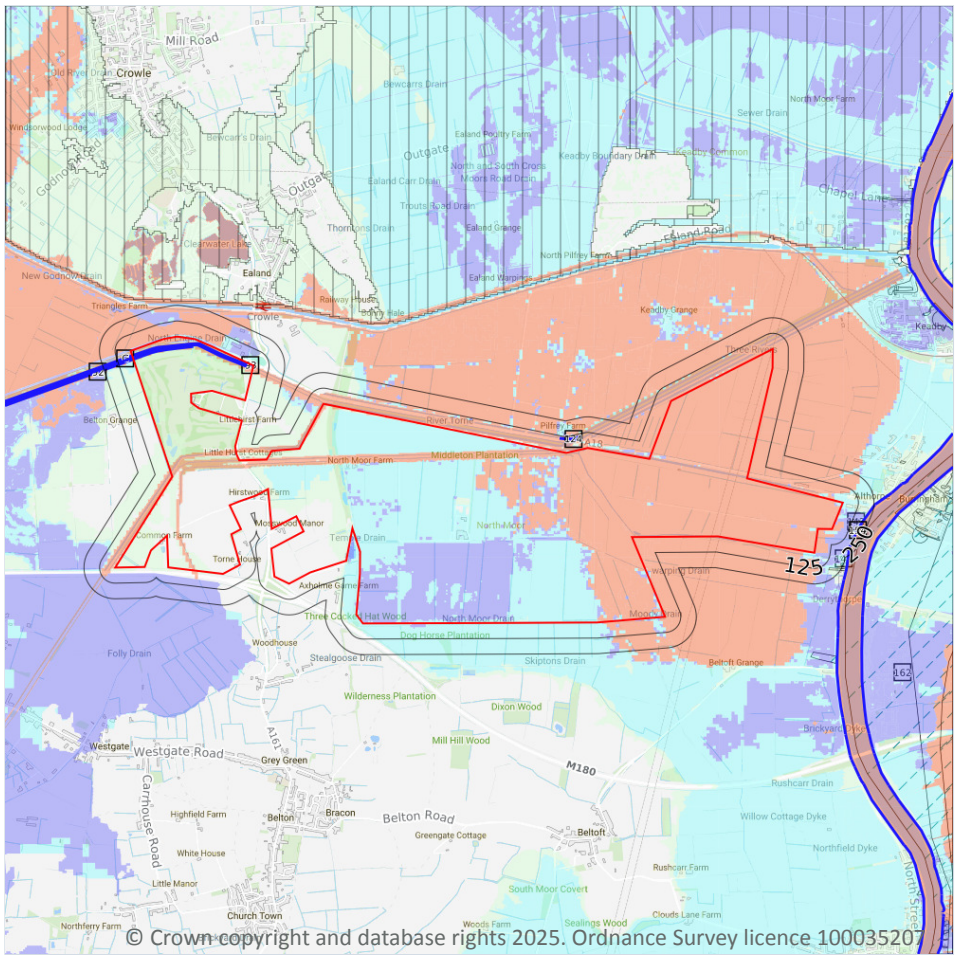
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 100 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
79	**On site**	**Idle Torne - Secondary Mudrocks**	**GB40402G992200** ↗	**Good**	**Good**	**Good**	**2019**
DU	**On site**	**Lower Trent Erewash - Secondary Combined**	**GB40402G990300** ↗	**Good**	**Good**	**Good**	**2019**

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	137

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on **page 146 >**

Distance	Flood risk category
On site	**High**
0 - 50m	High

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	**3**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 146 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
143	124m E	Tidal Trent 5th December 2013	2013-12-05 2013-12-06	Main river	Overtopping of defences	Tidal
149	170m E	Tidal Trent 5th December 2013	2013-12-05 2013-12-06	Main river	Overtopping of defences	Tidal
162	238m E	Tidal Trent March 1947 Dnl	1947-03-01 1947-03-31	Main river	Channel capacity exceeded (no raised defences)	Tidal

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	**6**

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

Features are displayed on the River and coastal flooding map on **page 146 >**

ID	Location	Update
G	**On site**	**08/11/2022**
G	**On site**	**08/11/2022**

ID	Location	Update
92	**On site**	**08/11/2022**
93	**On site**	**08/11/2022**
124	77m NE	08/11/2022
154	188m E	08/11/2022

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	**0**

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

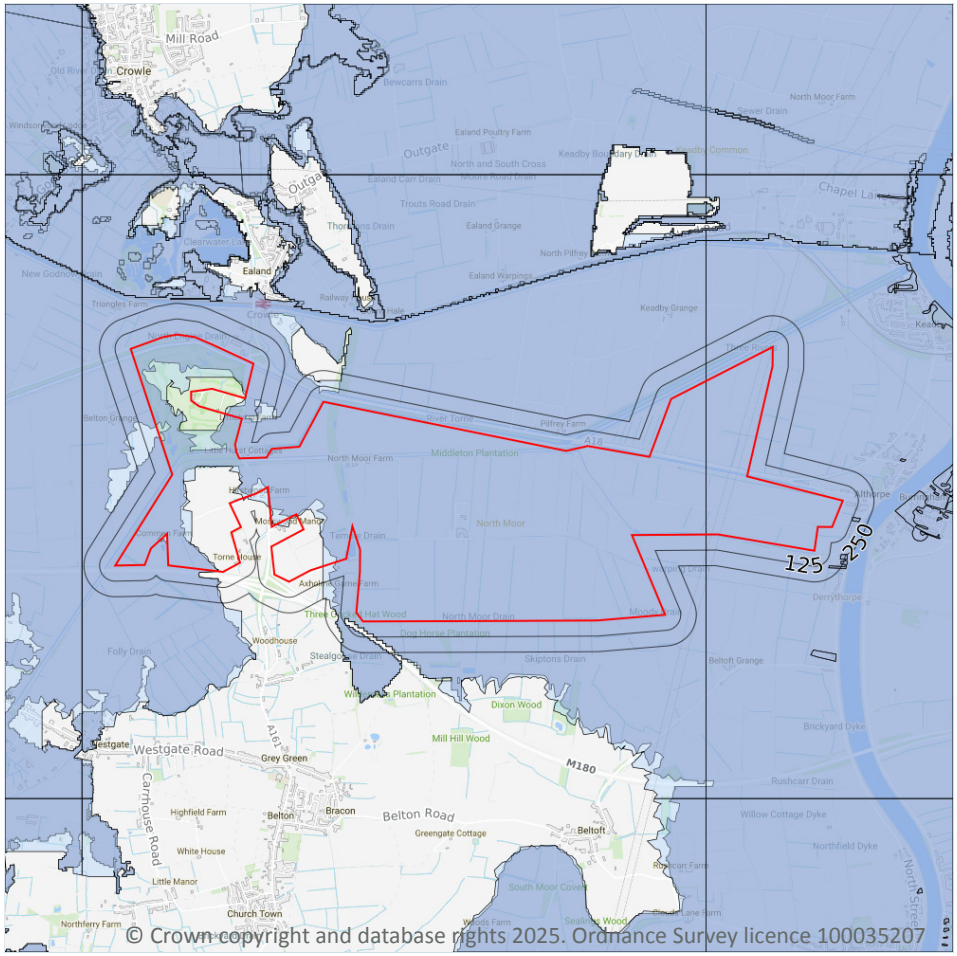
7.5 Flood Storage Areas

Records within 250m	**0**

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones



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Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on **page 146 >**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m	1

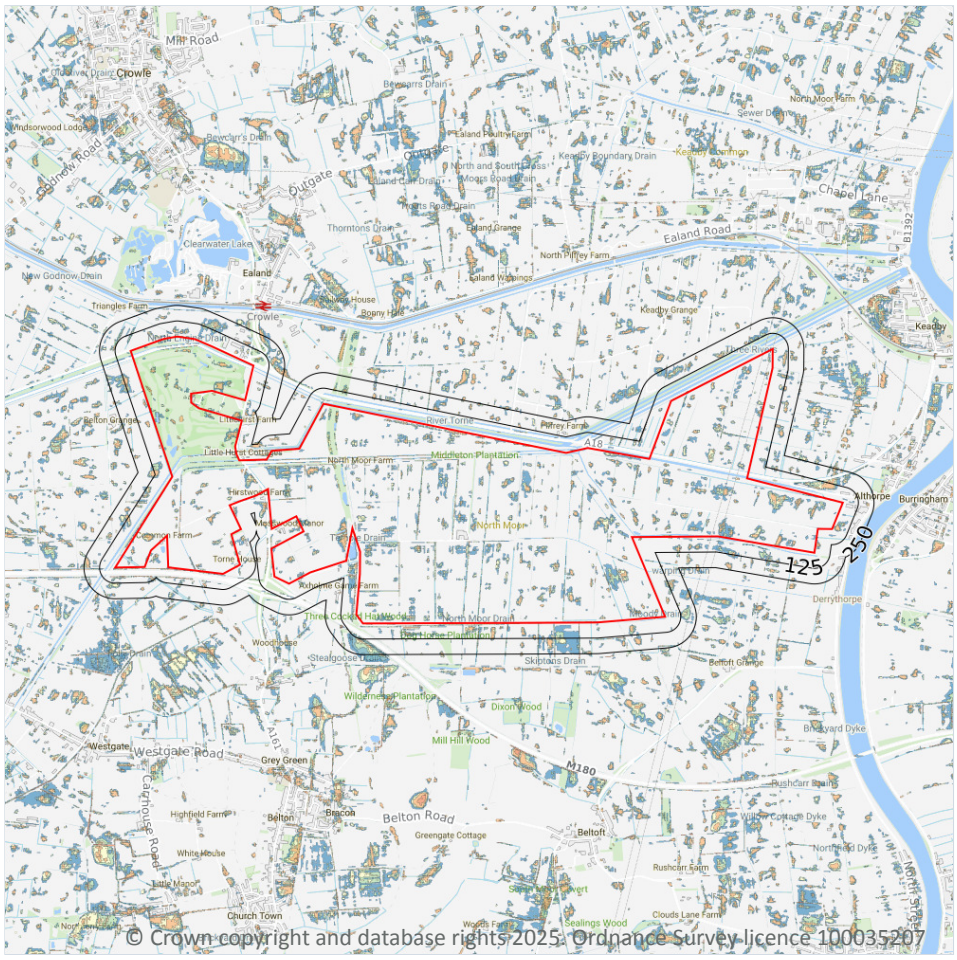
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 146 >**

Location	Type
On site	**Zone 3 - (Fluvial Models)**

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding



Site Outline

Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 151 >**

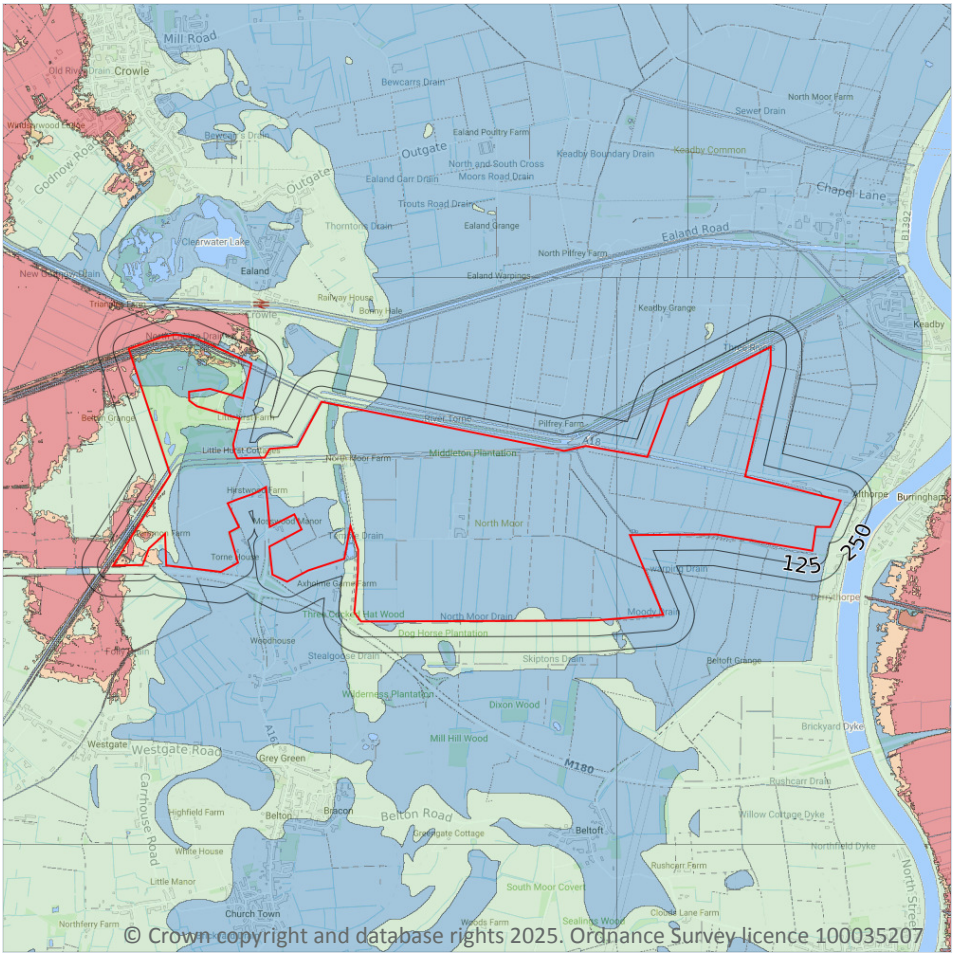
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

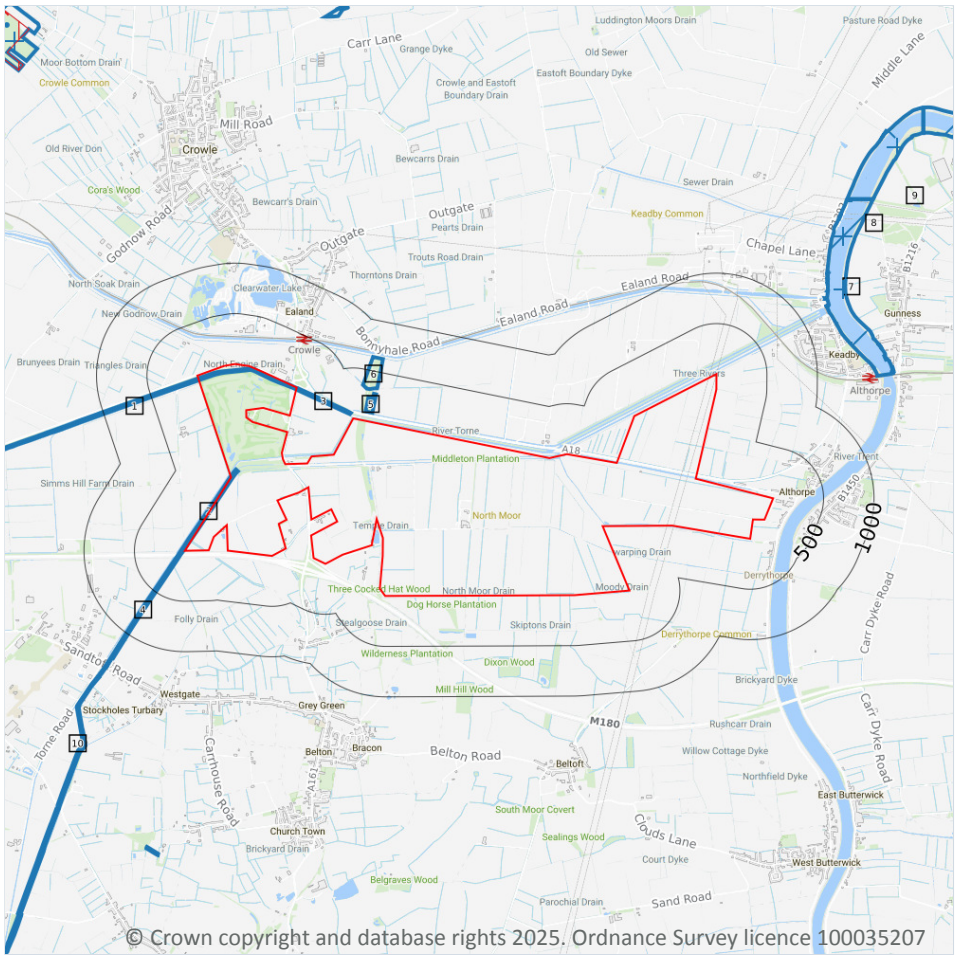
Highest risk on site	**High**
Highest risk within 50m	**High**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 153 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

- Sites of Special Scientific Interest (SSSI)
- Conserved wetland sites (Ramsar sites)
- Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- National Nature Reserves (NNR)

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	8

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 154 >**

ID	Location	Name	Data source
1	**On site**	**Hatfield Chase Ditches**	**Natural England**

ID	Location	Name	Data source
2	**On site**	**Hatfield Chase Ditches**	**Natural England**
3	10m NW	Hatfield Chase Ditches	Natural England
4	79m W	Hatfield Chase Ditches	Natural England
5	92m NW	Crowle Borrow Pits	Natural England
6	316m NW	Crowle Borrow Pits	Natural England
7	1275m NE	Humber Estuary	Natural England
10	1390m SW	Hatfield Chase Ditches	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	**1**

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

Features are displayed on the Environmental designations map on **page 154 >**

ID	Location	Site	Details
8	1275m NE	Name: Humber Estuary Site status: Listed Data source: Natural England	Overview: The Humber Estuary is the largest macro-tidal estuary on the British North Sea coast. It drains a catchment of some 24,240 square kilometres and is the site of the largest single input of freshwater from Britain into the North Sea. It has the second-highest tidal range in Britain (max 7.4 m) and approximately one-third of the estuary is exposed as mud or sand flats at low tide. The inner estuary supports extensive areas of reedbed with areas of mature and developing saltmarsh backed in places by limited areas of grazing marsh in the middle and outer estuary. On the north Lincolnshire coast the saltmarsh is backed by low sand dunes with marshy slacks and brackish pools. The Estuary regularly supports internationally important numbers of waterfowl in winter and nationally important breeding populations in summer. Ramsar criteria: Ramsar criterion 1 The site is a representative example of a near-natural estuary with the following component habitats: dune systems and humid dune slacks, estuarine waters, intertidal mud and sand flats, saltmarshes, and coastal brackish/saline lagoons. It is a large macro-tidal coastal plain estuary with high suspended sediment loads, which feed a dynamic and rapidly changing system of accreting and eroding intertidal and subtidal mudflats, sandflats, saltmarsh and reedbeds. Examples of both strandline, foredune, mobile, semi-fixed dunes, fixed dunes and dune grassland occur on both banks of the estuary and along the coast. The estuary supports a full range of saline conditions from the open coast to the limit of saline intrusion on the tidal rivers of the Ouse and Trent. Wave exposed sandy shores are found in the outer/open coast areas of the estuary. These change to the more moderately exposed sandy shores and then to sheltered muddy shores within the main body of the estuary and up into the tidal rivers. The lower saltmarsh of the Humber is dominated by common cordgrass Spartina anglica and annual glasswort Salicornia communities. Low to mid marsh communities are mostly represented by sea aster Aster tripolium, common saltmarsh grass Puccinellia maritima and sea purslane Atriplex portulacoides communities. The upper portion of the saltmarsh community is atypical, dominated by sea couch Elytrigia atherica (Elymus pycnanthus) saltmarsh community. In the upper reaches of the estuary, the tidal marsh community is dominated by the common reed Phragmites australis fen and sea club rush Bolboschoenus maritimus swamp with the couch grass Elytrigia repens (Elymus repens) saltmarsh community. Within the Humber Estuary Ramsar site there are good examples of four of the five physiographic types of saline lagoon. Ramsar criterion 3 The Humber Estuary Ramsar site supports a breeding colony of grey seals Halichoerus grypus at Donna Nook. It is the second largest grey seal colony in England and the furthest south regular breeding site on the east coast. The dune slacks at Saltfleetby-Theddlethorpe on the southern extremity of the Ramsar site are the most north-easterly breeding site in Great Britain of the natterjack toad Bufo calamita. Ramsar criterion 5 Assemblages of international importance: 153,934 waterfowl, non-breeding season (5 year peak mean 1996/97-2000/2001) Ramsar criterion 6 – species/populations occurring at levels of international

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	1

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on **page 154 >**

ID	Location	Name	Features of interest	Habitat description	Data source
9	1275m NE	Humber Estuary	Subtidal sandbanks; Estuaries; Intertidal mudflats and sandflats; Lagoons; Annual vegetation of drift lines; Glasswort and other annuals colonising mud and sand; Cord-grass swards; Atlantic salt meadows; Shifting dunes; Shifting dunes with marram; Dune grassland; Dunes with sea-buckthorn; Sea lamprey; River lamprey; Allis shad; Twaite shad; Grey seal; Common seal.	Bogs, Marshes, Water fringed vegetation, Fens; Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins)	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m	0

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m	0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or ‘classified’) under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

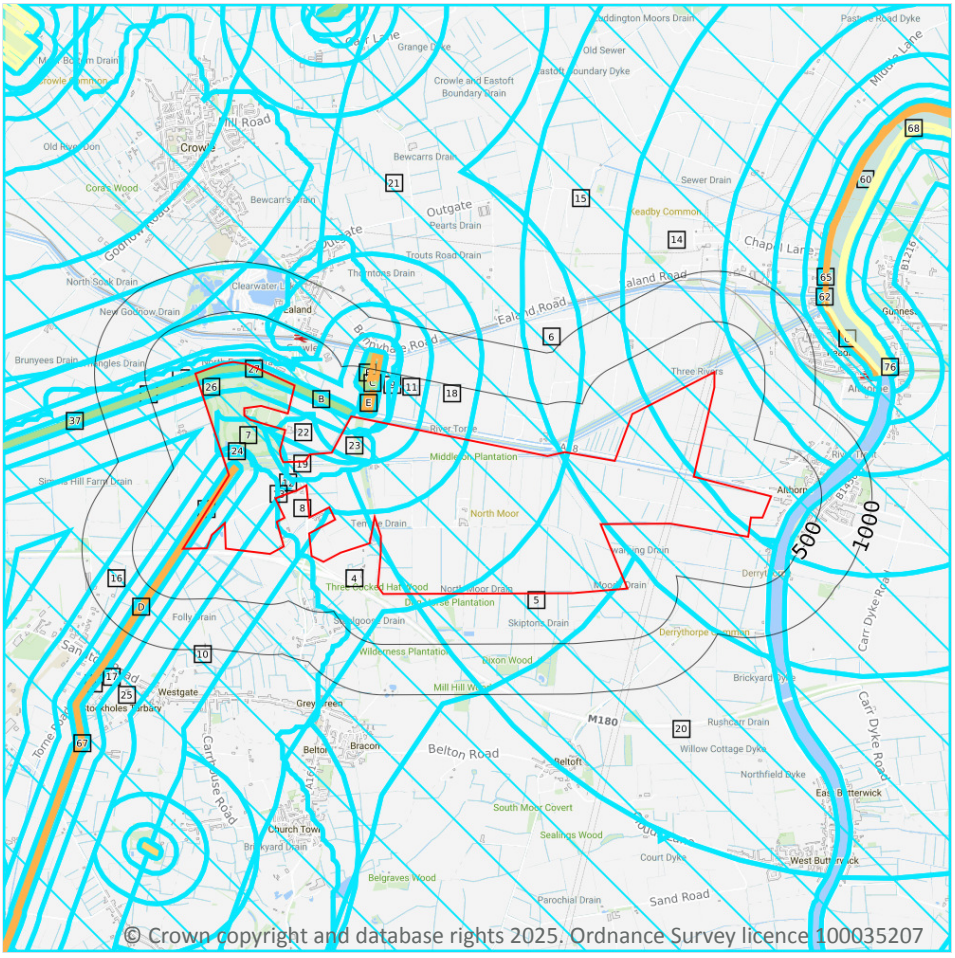
Records within 2000m	7

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**R Torne / Three Rivers from Mother Dr to R Trent NVZ**	**Surface Water**	**351**	**Existing**
On site	**BURTON STATHER DRAIN NVZ**	**Surface Water**	**653**	**Existing**
17m NW	North Soak Drain (trib of R Torne / Three Rivers) NVZ	Surface Water	352	Existing
362m E	BURTON STATHER DRAIN NVZ	Surface Water	653	Existing
866m NW	Paupers Drain Catchment (trib of Trent) NVZ	Surface Water	349	Existing
1100m E	BURTON STATHER DRAIN NVZ	Surface Water	653	Existing
1787m E	Bottesford Beck Catchment (trib of R Trent) NVZ	Surface Water	348	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site	27

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 162 >**

ID	Location	Type of developments requiring consultation
1	On site	All applications - ALL PLANNING APPLICATIONS - EXCEPT HOUSEHOLDER APPLICATIONS.
2	On site	All applications - ALL PLANNING APPLICATIONS - EXCEPT HOUSEHOLDER APPLICATIONS.
3	On site	All applications - ALL PLANNING APPLICATIONS.

ID	Location	Type of developments requiring consultation
4	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.**
5	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**

ID	Location	Type of developments requiring consultation
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ID	Location	Type of developments requiring consultation
24	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha. Residential - Residential development of 50 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores). Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management. Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**
25	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores). Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management. Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**

ID	Location	Type of developments requiring consultation
26	**On site**	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha. Residential - Residential development of 50 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores). Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management. Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**
A	**On site**	**All applications - ALL PLANNING APPLICATIONS.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**17**

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 162 >**

ID:	27
Location:	On site
SSSI name:	Hatfield Chase Ditches
Unit name:	Ned - Hirst Priory To Belton Grange (Ea)
Broad habitat:	Standing Open Water And Canals
Condition:	Favourable
Reportable features:	

Feature name	Feature condition	Date of assessment
Ditches	Favourable	30/10/2018

ID: A
Location: On site
SSSI name: Hatfield Chase Ditches
Unit name: South Engine Drain (6) (Ea)
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Ditches	Unfavourable - Declining	09/05/2017

ID: B
Location: 10m NW
SSSI name: Hatfield Chase Ditches
Unit name: North Engine Drain - Double Rivers (Ea)
Broad habitat: Standing Open Water And Canals
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Ditches	Favourable	30/10/2018

ID: D
Location: 79m W
SSSI name: Hatfield Chase Ditches
Unit name: South Engine Drain (5) (Ea)
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Ditches	Unfavourable - Declining	09/05/2017

ID: E
Location: 92m NW
SSSI name: Crowle Borrow Pits
Unit name: Fen South-East
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Declining	30/11/2022
Wet woodland	Favourable	23/09/2021

ID: 37
Location: 244m W
SSSI name: Hatfield Chase Ditches
Unit name: Ned - Dirtness Pumping Station To Belton Grange
Broad habitat: Standing Open Water And Canals
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Ditches	Favourable	30/10/2018

ID: F
Location: 316m NW
SSSI name: Crowle Borrow Pits
Unit name: Fen North-West
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Favourable	23/09/2021
Wet woodland	Favourable	23/09/2021

ID: C
Location: 318m NW
SSSI name: Crowle Borrow Pits
Unit name: Fen North-East
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Favourable	23/09/2021
Wet woodland	Favourable	23/09/2021

ID: F
Location: 399m NW
SSSI name: Crowle Borrow Pits
Unit name: Alder Carr
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Wet woodland	Unfavourable - Declining	23/09/2021

ID: G
Location: 1275m NE
SSSI name: Humber Estuary
Unit name: Mere Dyke To Keadby Bridge
Broad habitat: Littoral Sediment
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Estuaries	-	-

Feature name	Feature condition	Date of assessment
Estuary	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Littoral sediment	-	-
SM4-28 - Saltmarsh	Unfavourable - Declining	17/08/2010
Waterbird assemblage - Wintering	-	-

ID: 60
Location: 1282m NE
SSSI name: Humber Estuary
Unit name: River Trent South
Broad habitat: Littoral Sediment
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Estuaries	Unfavourable - Recovering	21/12/2010
Estuary	-	-
H1110 Sandbanks which are slightly covered by sea water all the time	-	-
H1130 Estuaries	-	-
River lamprey, Lampetra fluviatilis - Passage	-	-
River lamprey, Lampetra fluviatilis	Unfavourable - Recovering	21/12/2010
S1095 Sea lamprey, Petromyzon marinus	-	-
S1099 River lamprey, Lampetra fluviatilis	-	-
Sea lamprey, Petromyzon marinus - Passage	-	-
Sea lamprey, Petromyzon marinus	Unfavourable - Recovering	21/12/2010
Waterbird assemblage - Wintering	-	-

ID: 62
Location: 1311m NE
SSSI name: Humber Estuary
Unit name: Mere Dyke To Keadby Bridge
Broad habitat: Littoral Sediment
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Estuaries	-	-
Estuary	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Littoral sediment	-	-
SM4-28 - Saltmarsh	Unfavourable - Declining	17/08/2010
Waterbird assemblage - Wintering	-	-

ID: 65
Location: 1373m NE
SSSI name: Humber Estuary
Unit name: Mere Dyke To Keadby Bridge
Broad habitat: Littoral Sediment
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Estuaries	-	-
Estuary	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Littoral sediment	-	-
SM4-28 - Saltmarsh	Unfavourable - Declining	17/08/2010
Waterbird assemblage - Wintering	-	-

ID: 67
Location: 1390m SW
SSSI name: Hatfield Chase Ditches
Unit name: South Engine Drain (4) (Ea)
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Ditches	Unfavourable - Declining	09/05/2017

ID: 68
Location: 1443m NE
SSSI name: Humber Estuary
Unit name: Flixborough Wharf To Keadby Bridge
Broad habitat: Littoral Sediment
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Estuaries	-	-
Estuary	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Littoral sediment	-	-
SM4-28 - Saltmarsh	Unfavourable - Recovering	14/12/2010
Waterbird assemblage - Wintering	-	-

ID: 72
Location: 1491m NE
SSSI name: Humber Estuary
Unit name: Mere Dyke To Keadby Bridge
Broad habitat: Littoral Sediment
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Estuaries	-	-
Estuary	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Littoral sediment	-	-

Feature name	Feature condition	Date of assessment
SM4-28 - Saltmarsh	Unfavourable - Declining	17/08/2010
Waterbird assemblage - Wintering	-	-

ID: 76
Location: 1688m E
SSSI name: Humber Estuary
Unit name: Flixborough Wharf To Keadby Bridge
Broad habitat: Littoral Sediment
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Estuaries	-	-
Estuary	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Littoral sediment	-	-
SM4-28 - Saltmarsh	Unfavourable - Recovering	14/12/2010
Waterbird assemblage - Wintering	-	-

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations



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Site Outline

Search buffers in metres (m)

- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m	6

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on **page 183 >**

ID	Location	Name	Grade	Reference Number	Listed date
A	**On site**	**Bridge On Former Crowle Belton Road Over North Engine Drain**	**II**	**1084315**	**10/09/1987**
A	**On site**	**Bridge On Former Crowle Belton Road Over Hatfield Waste Drain**	**II**	**1346671**	**10/09/1987**
1	13m W	Hirst Priory	II	1083287	27/09/1951
2	32m W	Farmhouse Approximately 100 Metres East Of Mosswood Grange Farmhouse	II	1083286	15/07/1987

ID	Location	Name	Grade	Reference Number	Listed date
3	37m NE	Syphon Carrying South Level Engine Drain Under The River Torne Approximately 200 Metres South East Of Pilfrey Farm	II	1346690	10/09/1987
4	50m NW	Syphon Carrying Hatfield Waste Drain Below North Level Engine Drain Approximately 580 Metres East Of A18-A161 Road Junction	II	1084319	10/09/1987

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m	0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

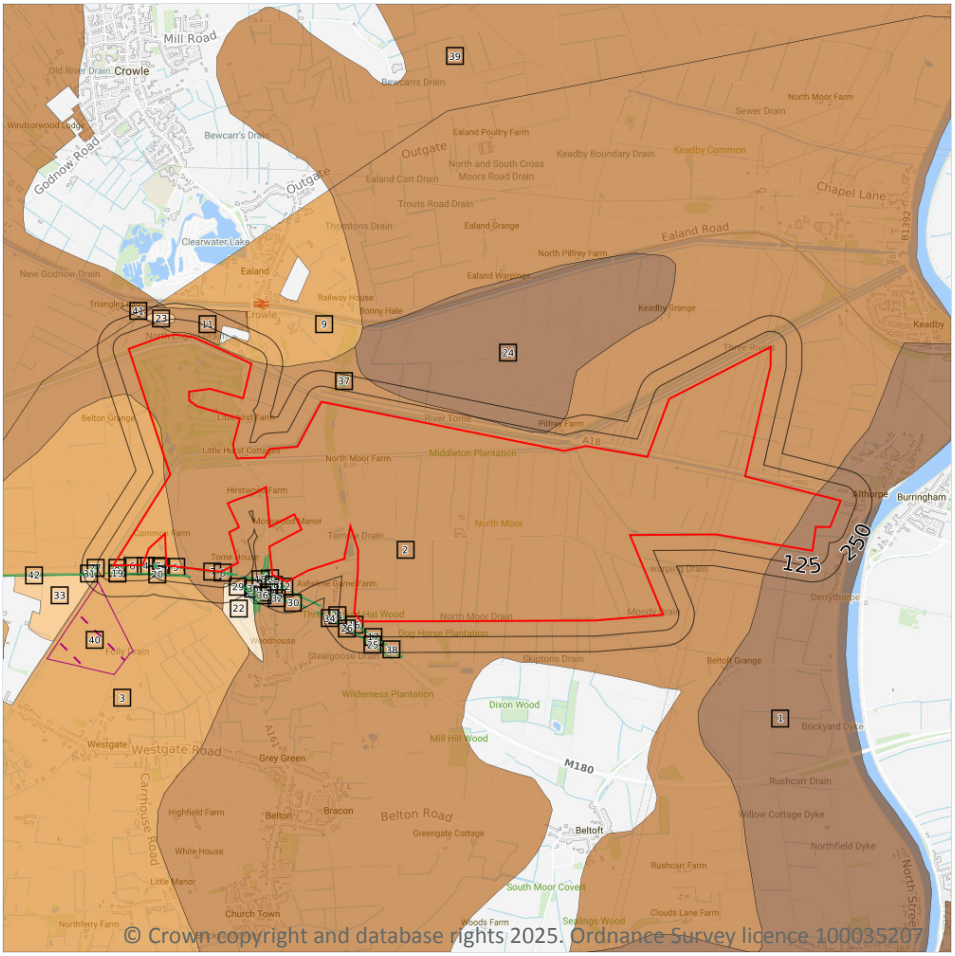
11.7 Registered Parks and Gardens

Records within 250m	0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m	11

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 186 >**

ID	Location	Classification	Description
1	On site	Grade 1	**Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.**

ID	Location	Classification	Description
2	**On site**	**Grade 2**	**Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.**
3	**On site**	**Grade 3**	**Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.**
9	14m NW	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
11	18m NW	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
22	96m W	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
23	97m NW	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
24	97m NE	Grade 1	Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.
33	147m W	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
39	167m NW	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

ID	Location	Classification	Description
41	213m NW	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	**1**

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on **page 186 >**

ID	Location	Name	Classification	Other relevant legislation
40	178m W	Low Closes Turbary	Section 4 Conclusive Registered Common Land	-

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	**53**

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on **page 186 >**

ID	Location	Description	Reference	Application date
4	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
5	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
6	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
7	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
A	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-

ID	Location	Description	Reference	Application date
A	**On site**	**Single Tree**	**018/366/15-16**	**-**
8	8m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	10m W	Single Tree	018/366/15-16	-
B	12m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	14m W	Single Tree	018/366/15-16	-
10	14m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	21m W	Single Tree	018/366/15-16	-
B	24m W	Single Tree	018/366/15-16	-
12	31m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	32m W	Single Tree	018/366/15-16	-
14	34m W	Single Tree	018/366/15-16	-
B	36m W	Single Tree	018/366/15-16	-
15	36m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	40m W	Single Tree	018/366/15-16	-
C	41m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	43m W	Single Tree	018/366/15-16	-
16	45m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	47m W	Single Tree	018/366/15-16	-
B	50m W	Single Tree	018/366/15-16	-
17	50m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	53m W	Single Tree	018/366/15-16	-
18	55m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	57m W	Single Tree	018/366/15-16	-
19	59m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	60m W	Single Tree	018/366/15-16	-
20	63m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	68m W	Single Tree	018/366/15-16	-
C	69m W	Single Tree	018/366/15-16	-

ID	Location	Description	Reference	Application date
B	76m W	Single Tree	018/366/15-16	-
C	76m W	Single Tree	018/366/15-16	-
21	82m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
C	84m W	Single Tree	018/366/15-16	-
C	85m W	Single Tree	018/366/15-16	-
25	99m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
26	100m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
27	102m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
28	129m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
29	138m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
30	142m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
31	142m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
32	143m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
34	152m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
35	157m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
36	158m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
37	161m NW	Clear Fell (Conditional)	012/131/16-17	07/02/2017
38	162m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
D	194m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
42	228m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m **1**

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

Location	Reference	Scheme	Start Date	End date
79m NW	AG00595771	Entry Level plus Higher Level Stewardship	01/10/2014	30/09/2024

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	**31**

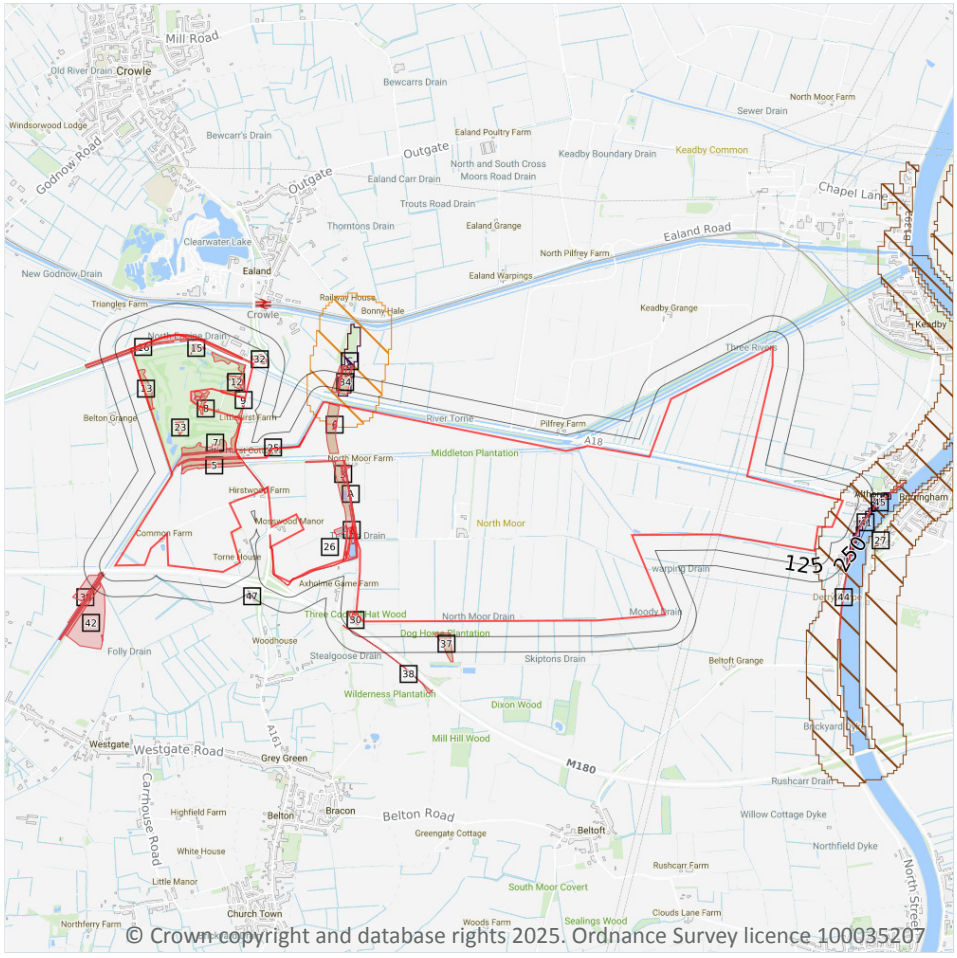
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	**1061543**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1061543**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1061543**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1061543**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1061543**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1061543**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1061543**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1056041**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1053119**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1053119**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1053119**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1053119**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1056307**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
On site	**1056307**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
1m NW	824806	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
1m SE	1053119	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
6m E	1056041	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
7m SW	1061543	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
10m S	1053119	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
12m E	1093167	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
14m NW	1061543	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
17m NW	1267052	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026

Location	Reference	Scheme	Start Date	End Date
23m E	1093167	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
30m SW	1053119	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
30m E	1056118	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
66m W	1061543	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
66m W	1061543	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
76m W	1061543	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
157m SW	1061543	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
190m SW	1053119	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
246m E	1093167	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025

This data is sourced from Natural England.

13 Habitat designations



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Site Outline

Search buffers in metres (m)

- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders

Habitat Networks

- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	54

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 193 >**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
6	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
7	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
8	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
9	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
10	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
11	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
12	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
13	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
14	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
15	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
16	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
17	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
18	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
19	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
20	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
21	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
22	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
23	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
24	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
25	**On site**	**Good quality semi-improved grassland**	**Main habitat: GQSIG (INV > 50%)**
26	**On site**	**No main habitat but additional habitats present**	**Additional: DWOOD (INV 50%)**
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
B	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
B	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
28	3m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
29	14m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
30	15m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
31	22m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	23m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	26m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
33	30m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	50m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
34	93m NW	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%)
35	94m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (FEP 50%)
36	94m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (FEP 50%)
37	94m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
38	111m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
39	113m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
E	114m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
E	115m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
40	127m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
E	180m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
42	182m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
43	201m E	Coastal saltmarsh	Main habitat: SALTM (INV > 50%)
44	210m E	No main habitat but additional habitats present	Additional: MUDFL (INV 50%)
45	226m E	Coastal saltmarsh	Main habitat: SALTM (INV > 50%)
46	234m NW	No main habitat but additional habitats present	Additional: LFENS (FEP 50%)
47	236m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	4

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 193 >**

ID	Location	Type	Habitat
27	**On site**	**Network Enhancement Zone 2**	**Not specified**
C	**On site**	**Network Enhancement Zone 1**	**Not specified**
C	69m NW	Primary Habitat	Lowland fens
41	176m E	Primary Habitat	Saltmarsh

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

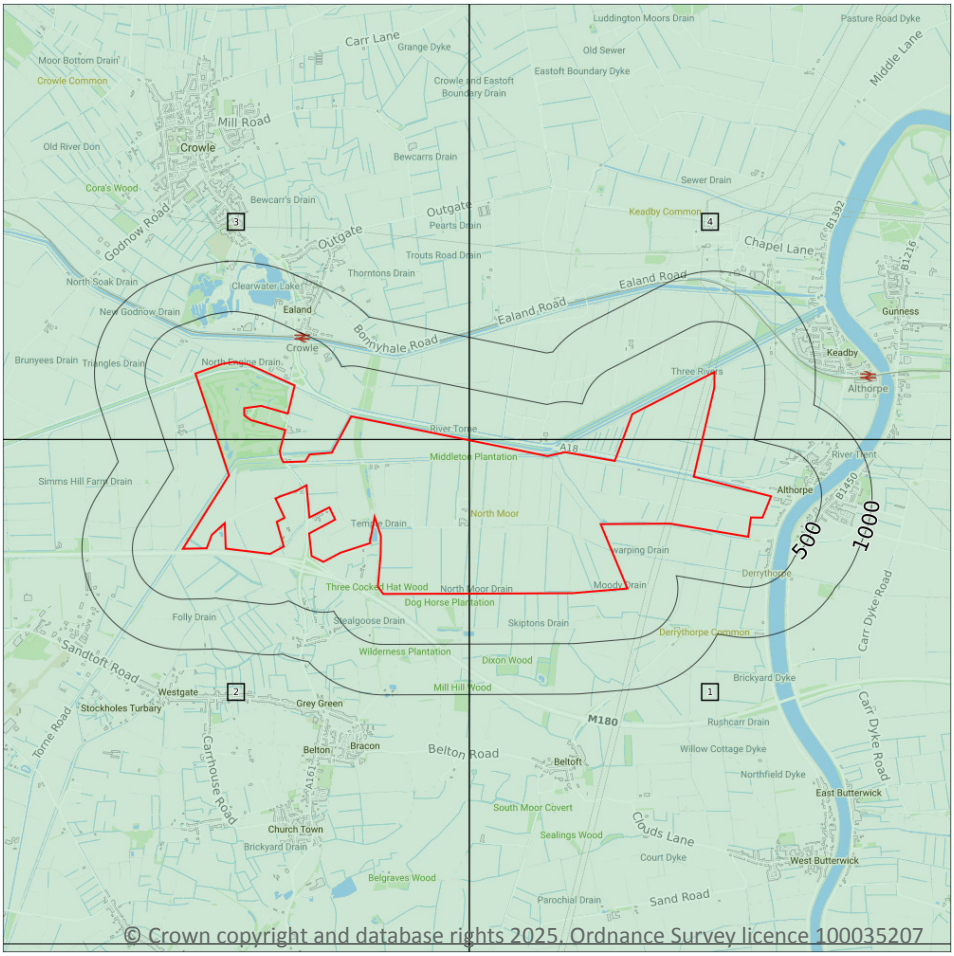
13.4 Limestone Pavement Orders

Records within 250m	0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	4

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 197 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	SE80NW
2	On site	No coverage	Full	Full	No coverage	SE70NE
3	On site	No coverage	Full	Full	No coverage	SE71SE
4	On site	No coverage	Full	Full	No coverage	SE81SW

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground

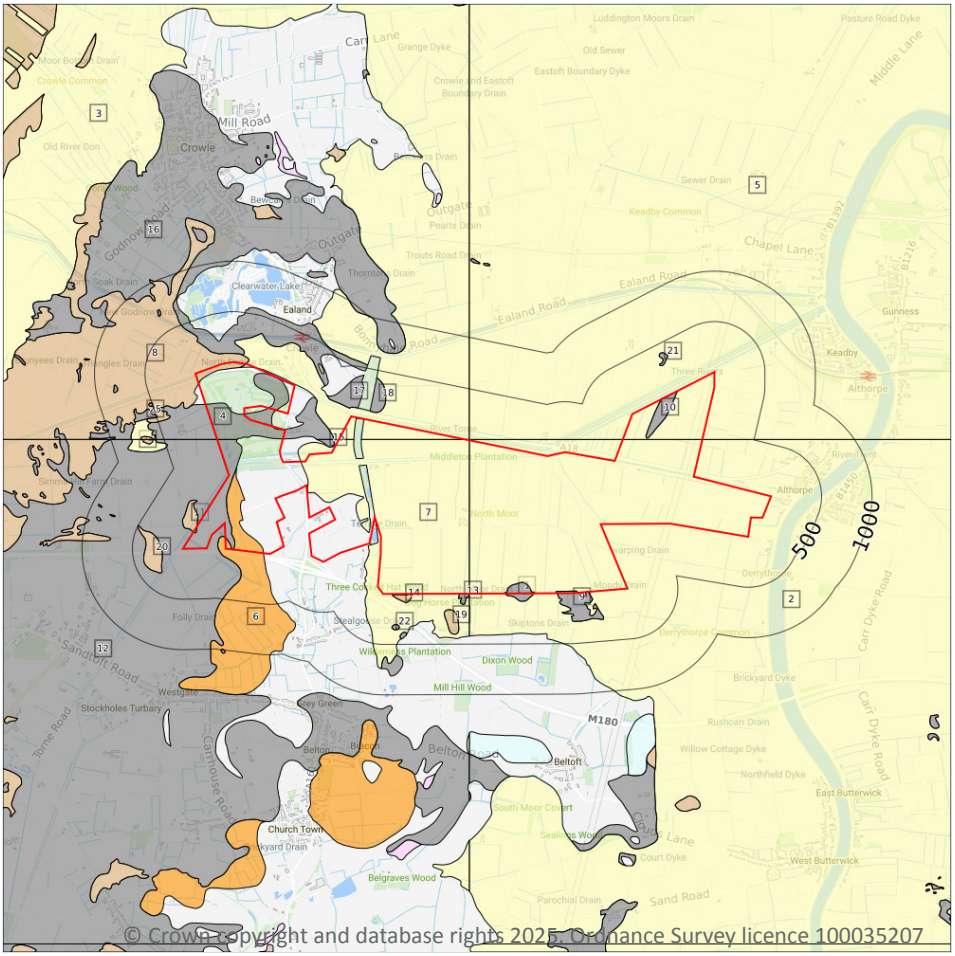
14.2 Artificial and made ground (10k)

Records within 500m	0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m	26

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 200 >**

ID	Location	LEX Code	Description	Rock description
1	On site	BSA1-S	Blown Sand, 1 - Sand	Sand
2	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
4	On site	BSA1-S	Blown Sand, 1 - Sand	Sand

ID	Location	LEX Code	Description	Rock description
5	**On site**	**ALV-XCZSV**	**Alluvium - Clay, Silt, Sand And Gravel**	**Clay, Silt, Sand And Gravel**
6	**On site**	**HEM-CZ**	**Hemingbrough Glaciolacustrine Formation - Silty Clay**	**Clay, Silty**
7	**On site**	**ALV-XCZSV**	**Alluvium - Clay, Silt, Sand And Gravel**	**Clay, Silt, Sand And Gravel**
8	**On site**	**PEAT-P**	**Peat - Peat**	**Peat**
9	**On site**	**BSA1-S**	**Blown Sand, 1 - Sand**	**Sand**
10	**On site**	**BSA1-S**	**Blown Sand, 1 - Sand**	**Sand**
11	**On site**	**PEAT-P**	**Peat - Peat**	**Peat**
12	**On site**	**BSA1-S**	**Blown Sand, 1 - Sand**	**Sand**
13	**On site**	**BSA1-S**	**Blown Sand, 1 - Sand**	**Sand**
14	9m SW	PEAT-P	Peat - Peat	Peat
15	14m W	BSA1-S	Blown Sand, 1 - Sand	Sand
16	83m NW	BSA1-S	Blown Sand, 1 - Sand	Sand
17	84m NW	BSA1-S	Blown Sand, 1 - Sand	Sand
18	85m NW	BSA1-S	Blown Sand, 1 - Sand	Sand
19	159m S	PEAT-P	Peat - Peat	Peat
20	208m W	PEAT-P	Peat - Peat	Peat
21	293m NE	BSA1-S	Blown Sand, 1 - Sand	Sand
22	304m SW	BSA1-S	Blown Sand, 1 - Sand	Sand
23	379m SW	BSA1-S	Blown Sand, 1 - Sand	Sand
24	487m W	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
25	494m W	BSA1-S	Blown Sand, 1 - Sand	Sand
26	496m W	BSA1-S	Blown Sand, 1 - Sand	Sand

This data is sourced from the British Geological Survey.

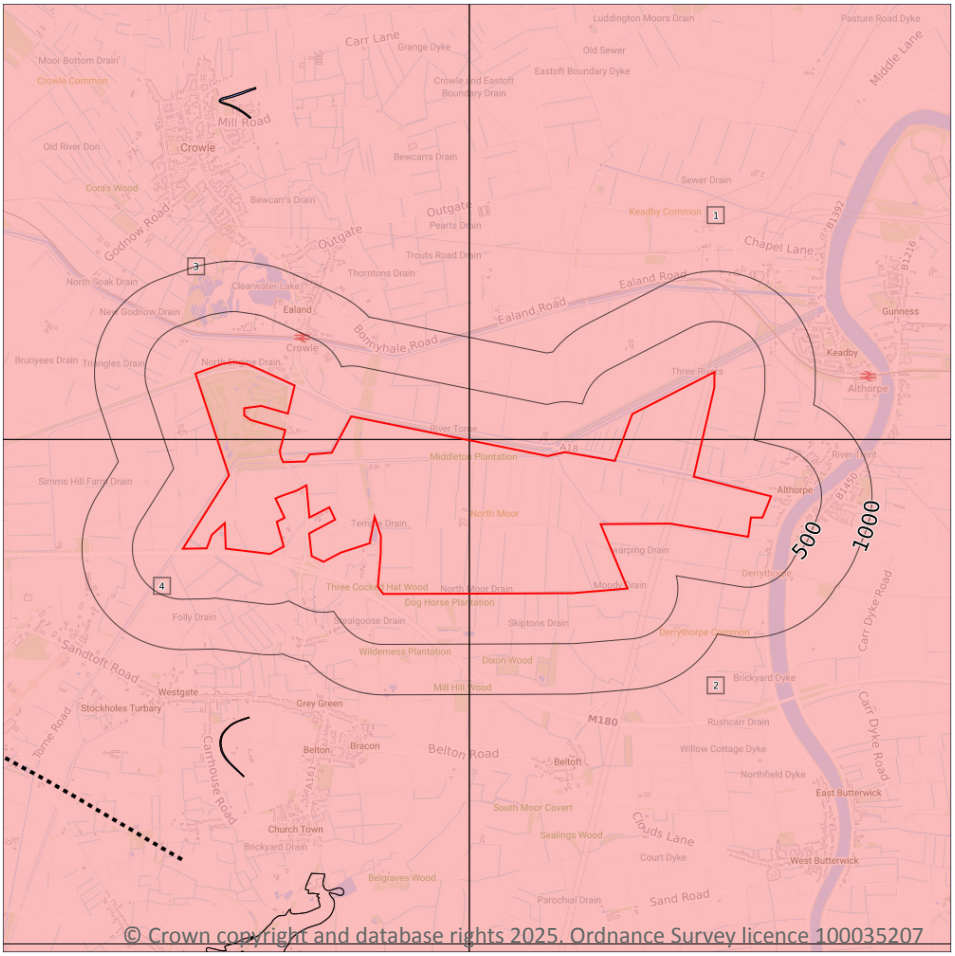
14.4 Landslip (10k)

Records within 500m	0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



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Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	4

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 203 >**

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch
2	On site	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch

ID	Location	LEX Code	Description	Rock age
3	**On site**	**MMG-MDST**	**Mercia Mudstone Group - Mudstone**	**Rhaetian Age - Early Triassic Epoch**
4	**On site**	**MMG-MDST**	**Mercia Mudstone Group - Mudstone**	**Rhaetian Age - Early Triassic Epoch**

This data is sourced from the British Geological Survey.

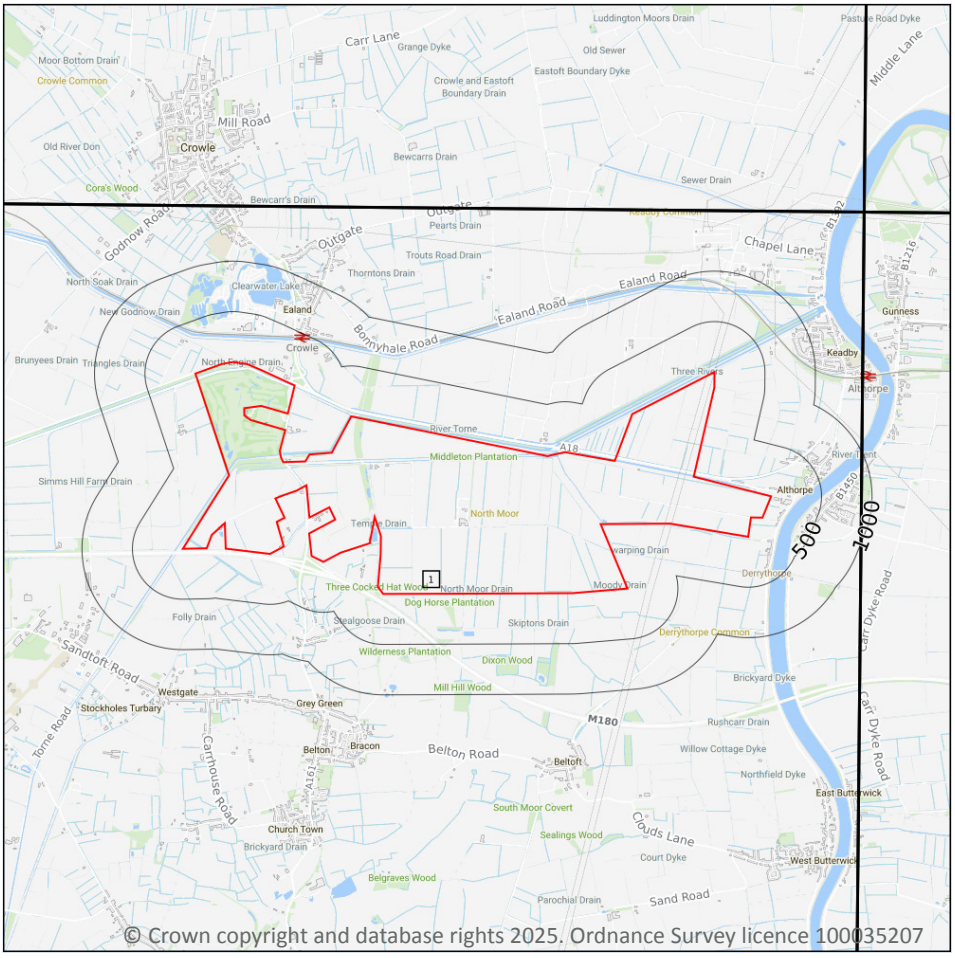
14.6 Bedrock faults and other linear features (10k)

Records within 500m	**0**

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 205 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**EW088_doncaster_v4**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m	0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

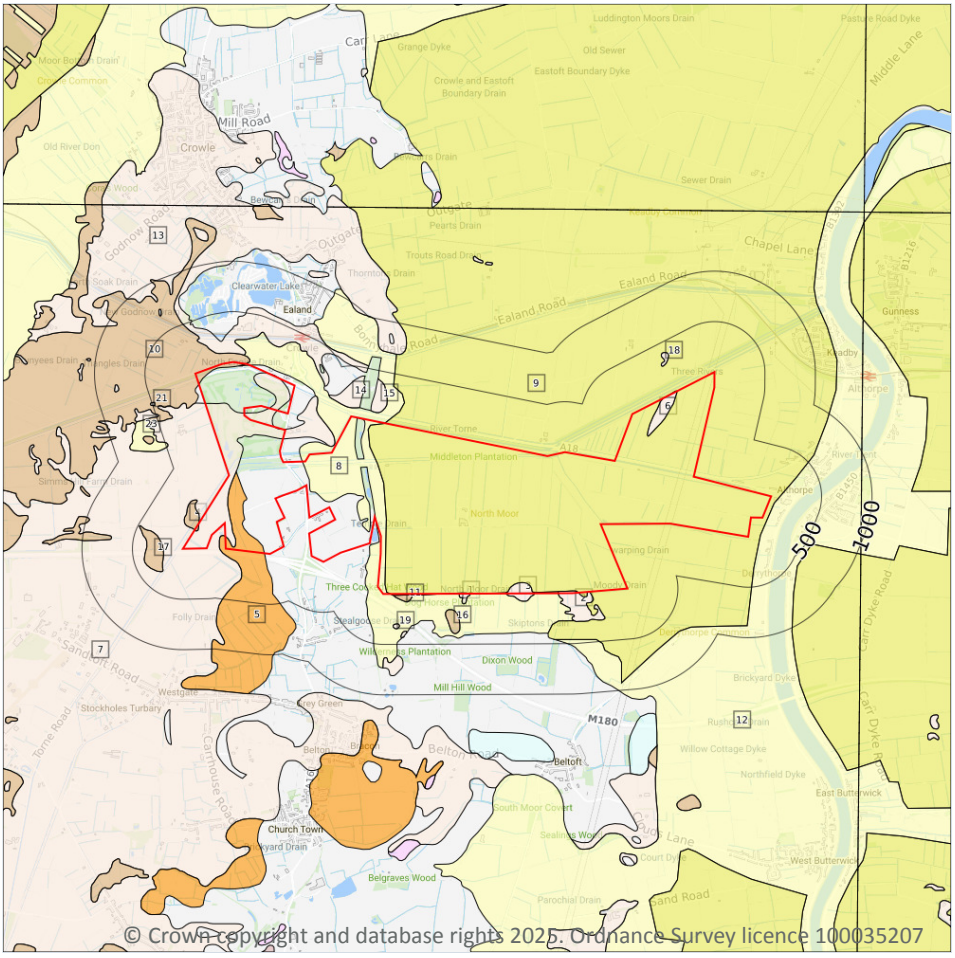
15.3 Artificial ground permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m	23

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 207 >**

ID	Location	LEX Code	Description	Rock description
1	On site	SUTN-S	SUTTON SAND FORMATION	SAND
2	On site	SUTN-S	SUTTON SAND FORMATION	SAND
3	On site	SUTN-S	SUTTON SAND FORMATION	SAND
4	On site	PEAT-P	PEAT	PEAT

ID	Location	LEX Code	Description	Rock description
5	**On site**	**HEM-CZ**	**HEMINGBROUGH GLACIOLACUSTRINE FORMATION**	**CLAY, SILTY**
6	**On site**	**SUTN-S**	**SUTTON SAND FORMATION**	**SAND**
7	**On site**	**SUTN-S**	**SUTTON SAND FORMATION**	**SAND**
8	**On site**	**ALV-XCZSV**	**ALLUVIUM**	**CLAY, SILT, SAND AND GRAVEL**
9	**On site**	**WARP-XCZ**	**WARP**	**CLAY AND SILT**
10	**On site**	**PEAT-P**	**PEAT**	**PEAT**
11	11m SW	PEAT-P	PEAT	PEAT
12	50m E	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
13	83m NW	SUTN-S	SUTTON SAND FORMATION	SAND
14	86m NW	SUTN-S	SUTTON SAND FORMATION	SAND
15	87m NW	SUTN-S	SUTTON SAND FORMATION	SAND
16	158m S	PEAT-P	PEAT	PEAT
17	195m W	PEAT-P	PEAT	PEAT
18	284m NE	SUTN-S	SUTTON SAND FORMATION	SAND
19	297m SW	SUTN-S	SUTTON SAND FORMATION	SAND
20	370m SW	SUTN-S	SUTTON SAND FORMATION	SAND
21	474m W	SUTN-S	SUTTON SAND FORMATION	SAND
22	479m W	SUTN-S	SUTTON SAND FORMATION	SAND
23	480m W	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m **19**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**High**	**Very Low**
On site	**Intergranular**	**High**	**Very Low**

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**High**	**Very Low**
On site	**Intergranular**	**High**	**High**
On site	**Intergranular**	**High**	**High**
On site	**Intergranular**	**High**	**High**
On site	**Intergranular**	**High**	**High**
On site	**Intergranular**	**High**	**High**
On site	**Intergranular**	**High**	**High**
On site	**Intergranular**	**Low**	**Very Low**
On site	**Intergranular**	**Low**	**Very Low**
On site	**Intergranular**	**Low**	**Very Low**
On site	**Intergranular**	**Low**	**Very Low**
On site	**Mixed**	**Low**	**Very Low**
On site	**Mixed**	**Low**	**Very Low**
On site	**Mixed**	**Low**	**Very Low**
1m S	Intergranular	High	High
11m SW	Mixed	Low	Very Low
15m W	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

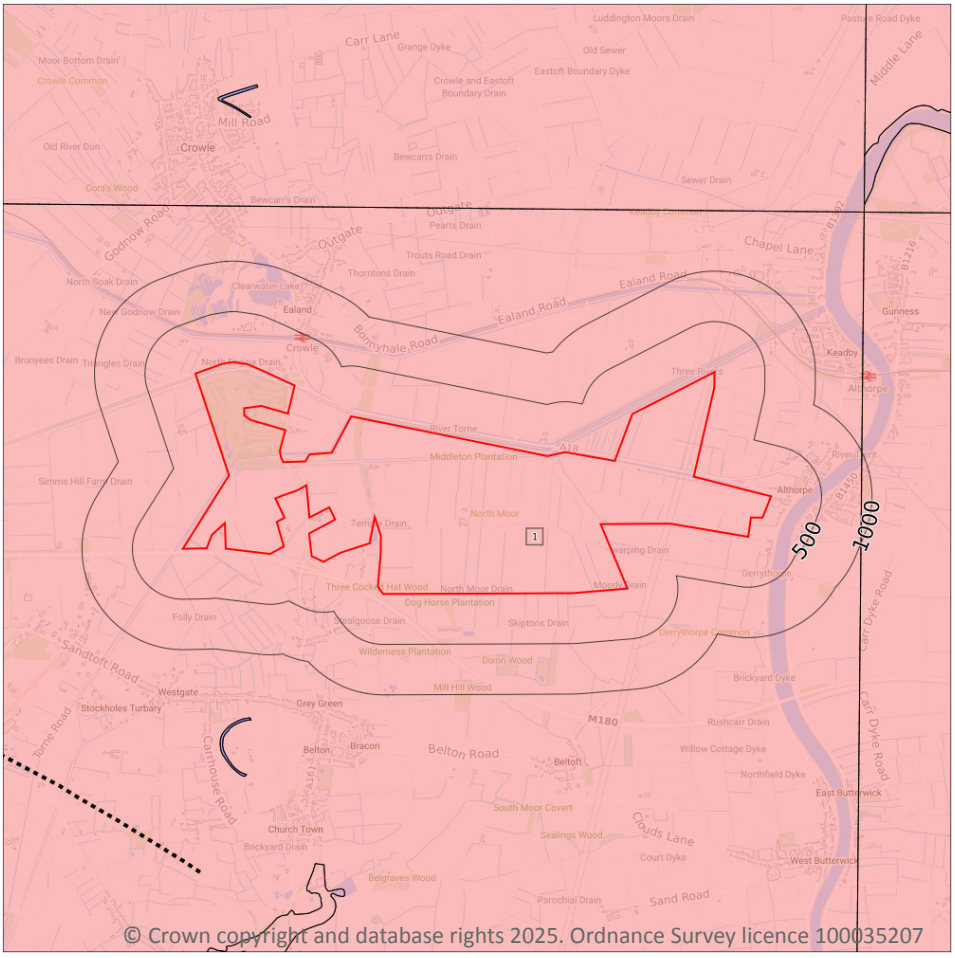
15.7 Landslip permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



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Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m	1

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 211 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**MMG-MDST**	**MERCIA MUDSTONE GROUP - MUDSTONE**	**-**

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	4

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Low**	**Low**
On site	**Fracture**	**Low**	**Low**
On site	**Fracture**	**Low**	**Low**
On site	**Fracture**	**Low**	**Low**

This data is sourced from the British Geological Survey.

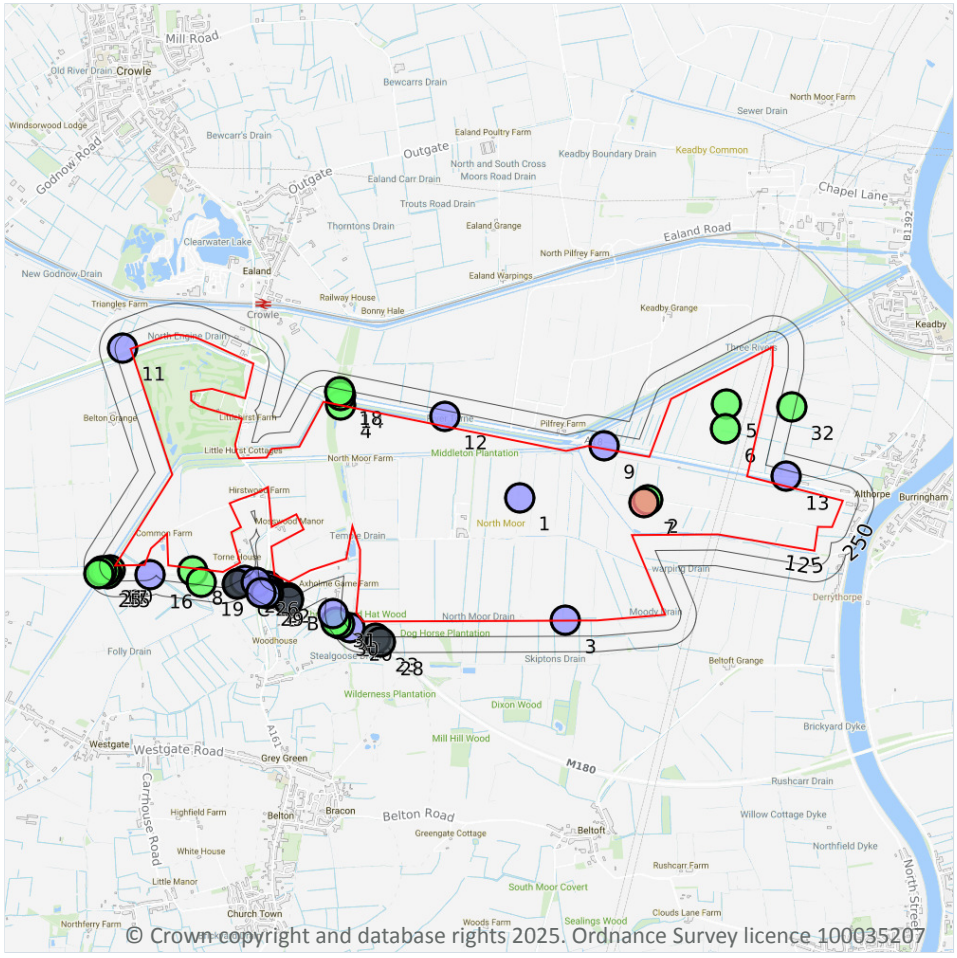
15.10 Bedrock faults and other linear features (50k)

Records within 500m	0

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	41

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 213 >**

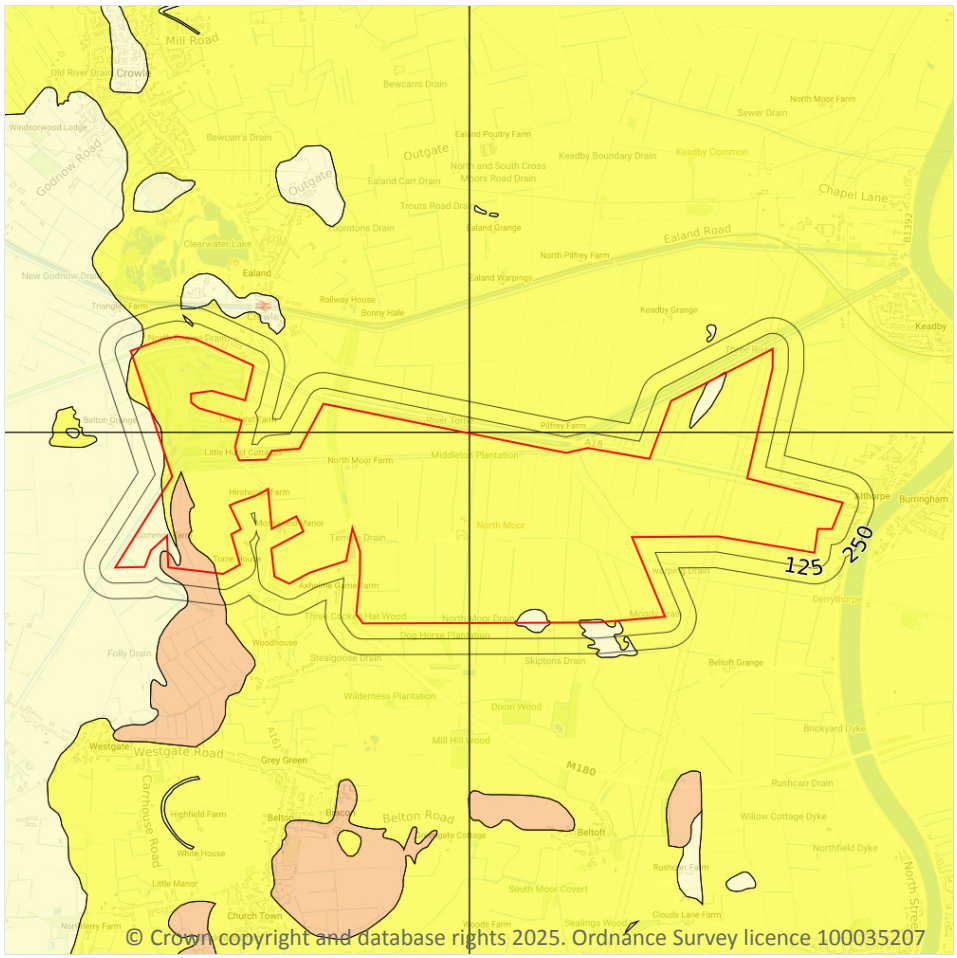
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	480400 409460	NORTH MOOR	8.5	N	131530 ↗
2	On site	481430 409440	LOW FARM	13.0	N	131531 ↗
3	On site	480770 408480	OLD FARM	8.0	N	131535 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	**On site**	**478970 410200**	**BELTON VIADUCT CROWLE 3**	**14.0**	**N**	**124780**
5	**On site**	**482060 410210**	**DONCASTER ROAD ALTHORPE**	**13.4**	**N**	**132098**
6	**On site**	**482050 410010**	**A18 SCUNTHORPE 95**	**11.27**	**N**	**132113**
7	**On site**	**481398 409417**	**ALTHORPE 1**	**1318.99**	**N**	**18407556**
8	25m W	477780 408870	M180 THORNE-SCUNTHORPE BHP27	16.0	N	124507
9	28m E	481080 409880	A18 THORNE/SCUNTHORPE 94	9.14	N	131571
10	55m W	477120 408880	M180 THORNE-SCUNTHORPE BHP18	21.0	N	124503
11	66m NW	477220 410660	A18 SCUNTHORPE 92	6.09	N	124770
12	76m N	479800 410110	A18 SCUNTHORPE 93	9.14	N	124771
13	76m E	482540 409630	ALTHORPE	10.0	N	131532
14	78m NW	478970 410280	BELTON VIADUCT CROWLE 2	13.45	N	124779
15	90m W	477100 408850	M180 THORNE-SCUNTHORPE BHP21	20.0	N	124506
16	92m W	477440 408840	SOUTH HUMBERSIDE M180 C24	4.0	N	124478
17	93m W	477080 408870	M180 THORNE-SCUNTHORPE BHP19	22.0	N	124504
18	105m NW	478960 410310	BELTON VIADUCT CROWLE 1	16.0	N	124778
19	106m W	477850 408780	SOUTH HUMBERSIDE M180 P28	12.7	N	124479
A	110m SW	478400 408740	SOUTH HUMBERSIDE M180 C38	2.0	N	124482
A	110m SW	478380 408750	SOUTH HUMBERSIDE M180 P37	8.0	N	124481
20	115m SW	479040 408420	SOUTH HUMBERSIDE M180 C53	3.0	N	124492
21	120m W	477050 408870	SOUTH HUMBERSIDE M180 P17	22.1	N	124477
B	128m SW	478540 408660	SOUTH HUMBERSIDE M180 C46	2.0	N	124487
B	134m SW	478551 408653	HUMBERSIDE NMCS2 UPGRADE WS36	-	Y	N/A
C	135m W	478143 408776	HUMBERSIDE NMCS2 UPGRADE WS35	-	Y	N/A
22	137m SW	478380 408720	SOUTH HUMBERSIDE M180 C39	2.0	N	124489
23	137m SW	479249 408332	HUMBERSIDE NMCS2 UPGRADE WS37	-	Y	N/A
24	141m W	478200 408800	SOUTH HUMBERSIDE M180 C51	1.0	N	124480
C	142m W	478139 408766	HUMBERSIDE NMCS2 UPGRADE WS35A	-	Y	N/A
B	147m SW	478548 408641	HUMBERSIDE NMCS2 UPGRADE WS36A	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
25	147m W	477030 408850	M180 THORNE-SCUNTHORPE BHP20	22.0	N	124505 ↗
D	159m SW	478390 408690	SOUTH HUMBERSIDE M180 P41	11.0	N	124484 ↗
26	160m W	478290 408780	SOUTH HUMBERSIDE M180 H33	1.0	N	124490 ↗
27	161m SW	478960 408450	SOUTH HUMBERSIDE M180 P52	13.0	N	124488 ↗
28	166m SW	479290 408303	HUMBERSIDE NMCS2 UPGRADE WS37A	-	Y	N/A
D	168m SW	478370 408690	SOUTH HUMBERSIDE M180 P40	7.0	N	124483 ↗
29	180m SW	478330 408700	M180 THORNE-SCUNTHORPE BHC40	8.0	N	124508 ↗
30	182m SW	478930 408460	M180 THORNE-SCUNTHORPE BHC52	13.0	N	124510 ↗
31	184m SW	478910 408530	M180 THORNE-SCUNTHORPE BHC51	4.0	N	124509 ↗
32	220m E	482580 410190	A18 SCUNTHORPE 96	12.19	N	132114 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	3

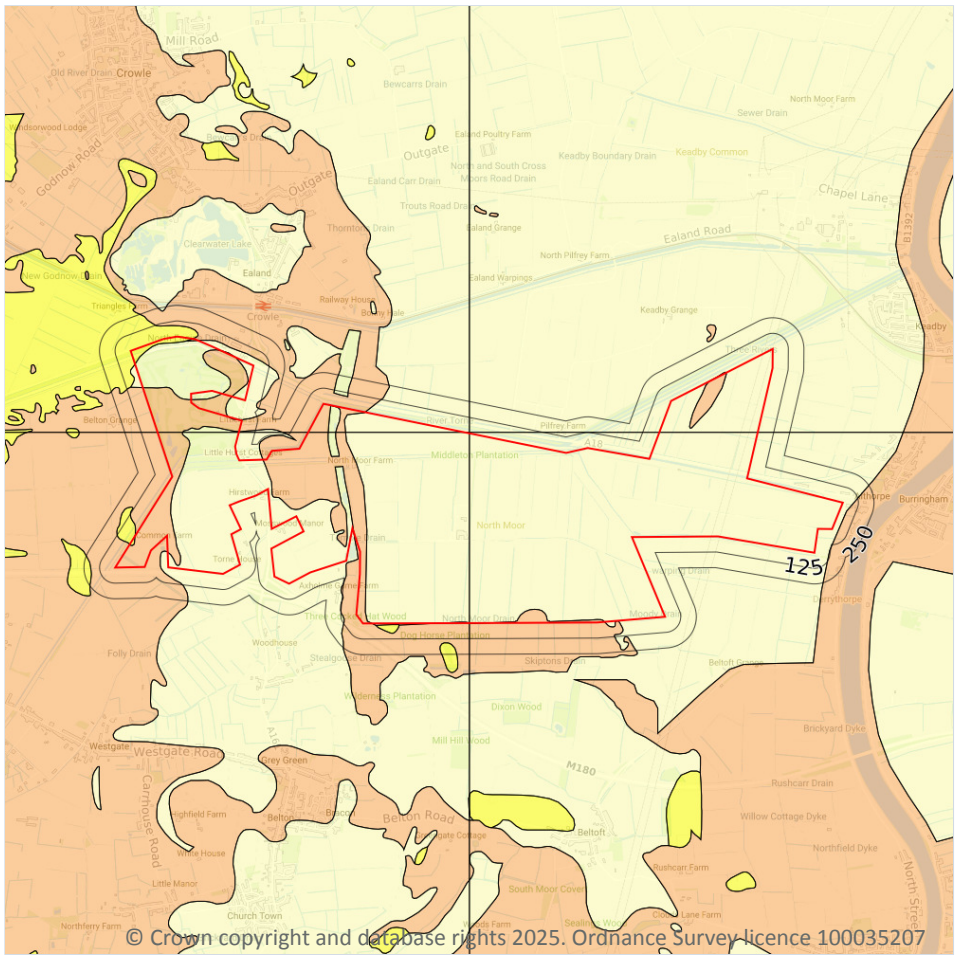
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 216 >**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Very low**	**Ground conditions predominantly low plasticity.**
On site	**Low**	**Ground conditions predominantly medium plasticity.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	4

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

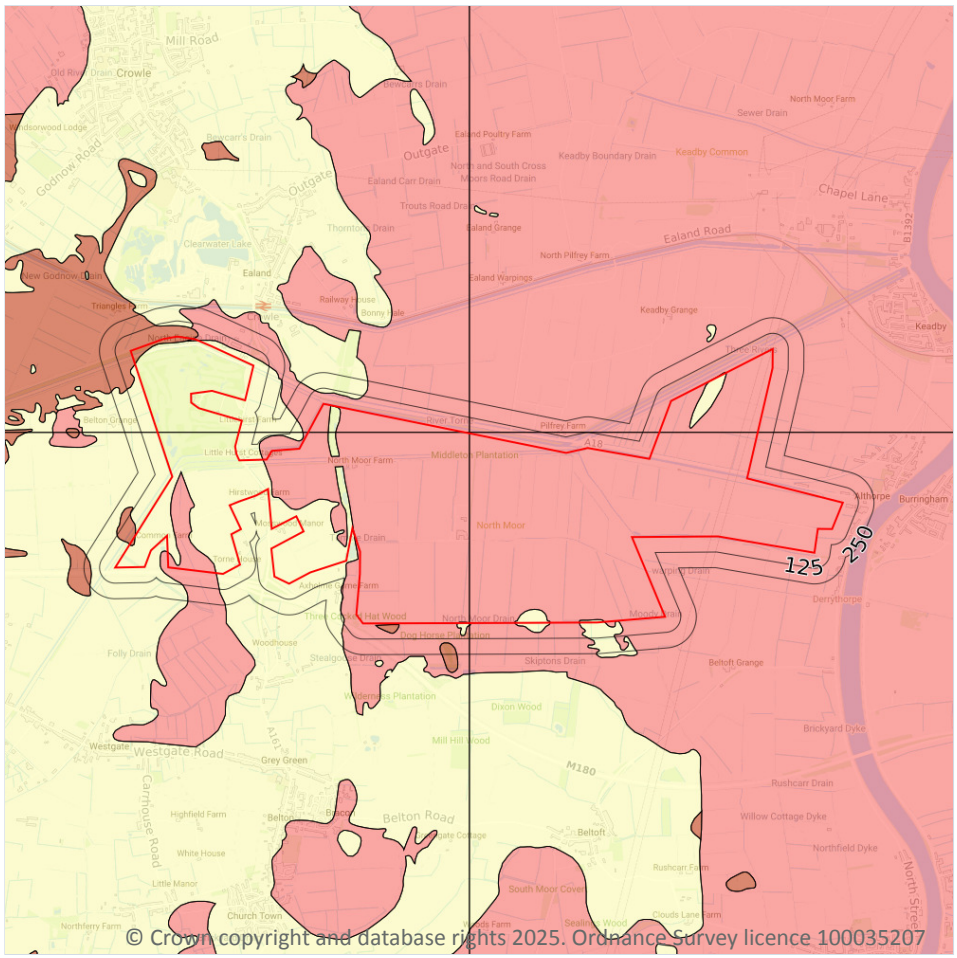
Features are displayed on the Natural ground subsidence - Running sands map on **page 218 >**

Location	Hazard rating	Details
On site	**Negligible**	**Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.**

Location	Hazard rating	Details
On site	**Very low**	**Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.**
On site	**Low**	**Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.**
11m SW	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	5

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

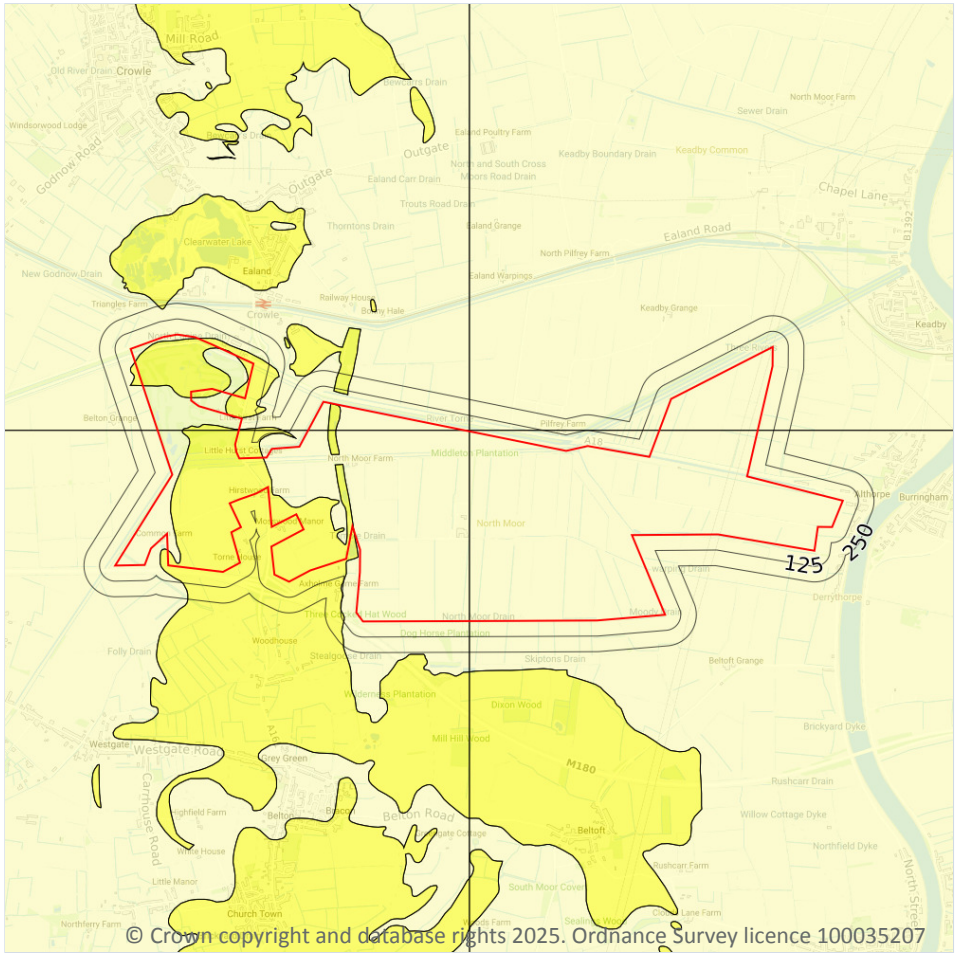
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 220 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
On site	**Moderate**	**Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.**

Location	Hazard rating	Details
On site	**High**	**Highly compressible strata present. Significant constraint on land use depending on thickness.**
1m S	Negligible	Compressible strata are not thought to occur.
11m SW	High	Highly compressible strata present. Significant constraint on land use depending on thickness.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	2

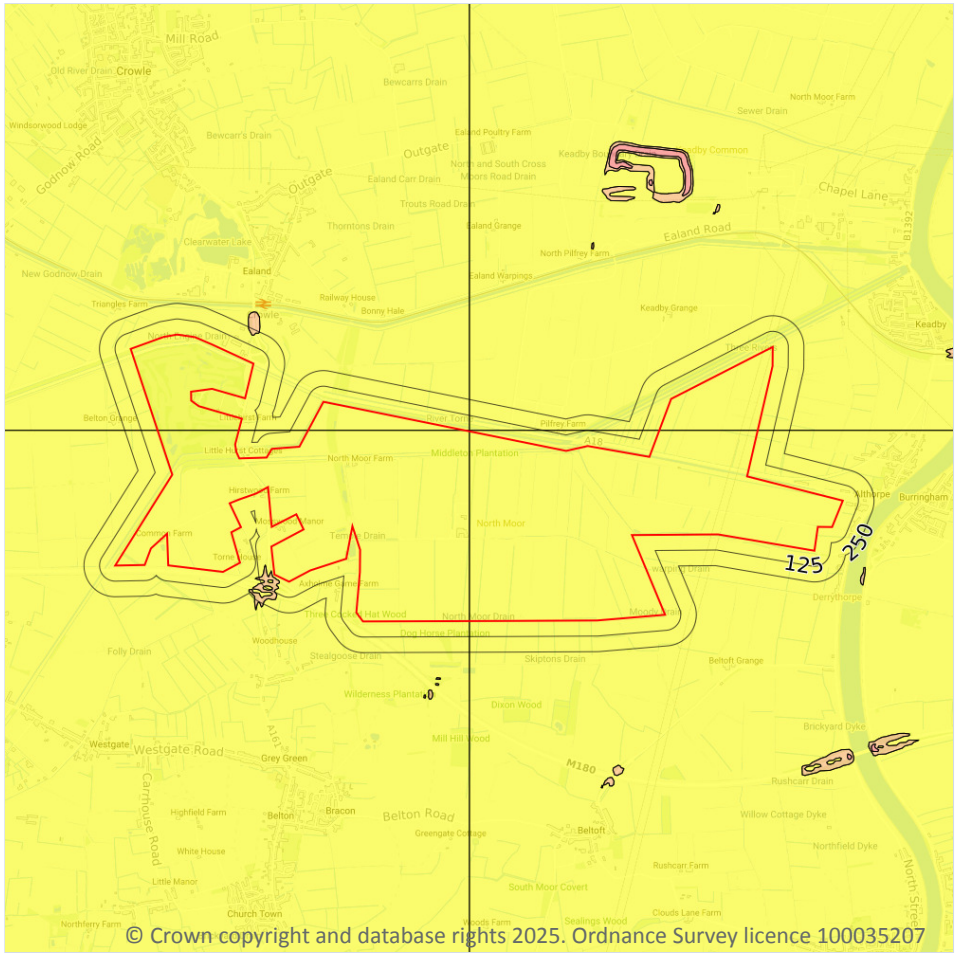
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 222 >**

Location	Hazard rating	Details
On site	**Negligible**	**Deposits with potential to collapse when loaded and saturated are believed not to be present.**
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



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Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m	3

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

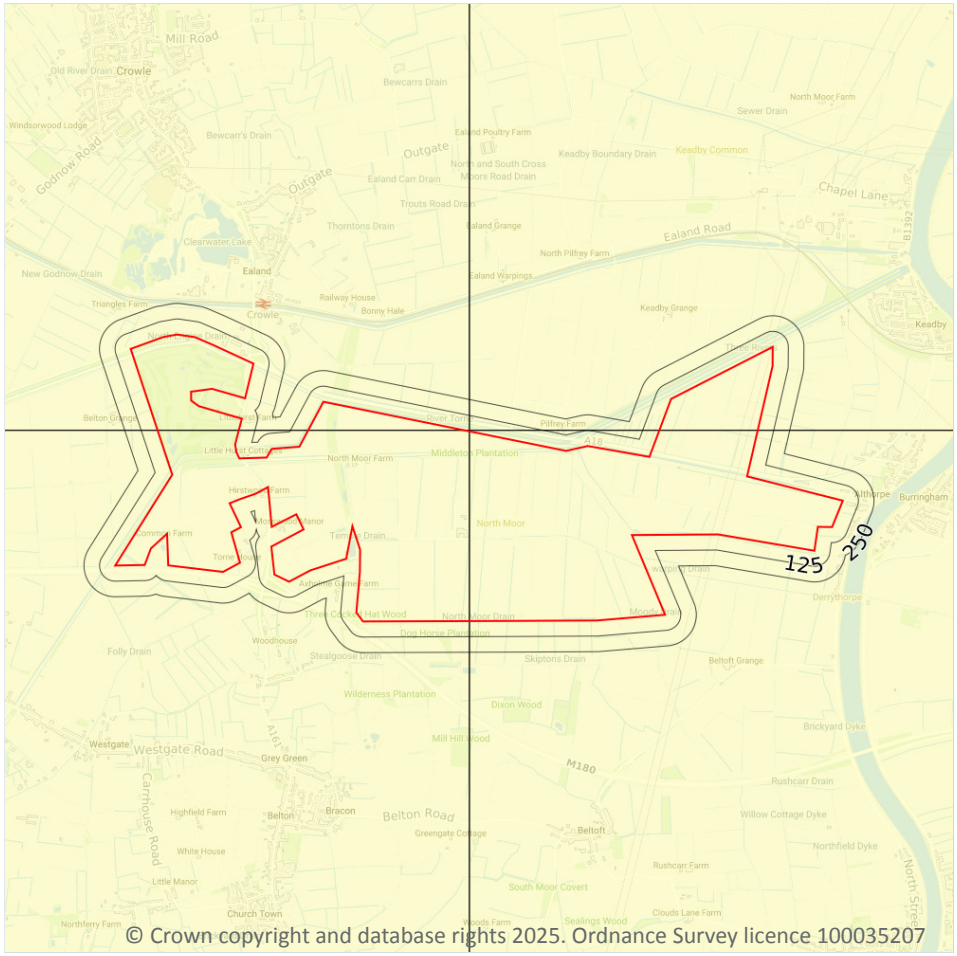
Features are displayed on the Natural ground subsidence - Landslides map on **page 223 >**

Location	Hazard rating	Details
On site	**Very low**	**Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.**

Location	Hazard rating	Details
19m W	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
48m SW	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	1

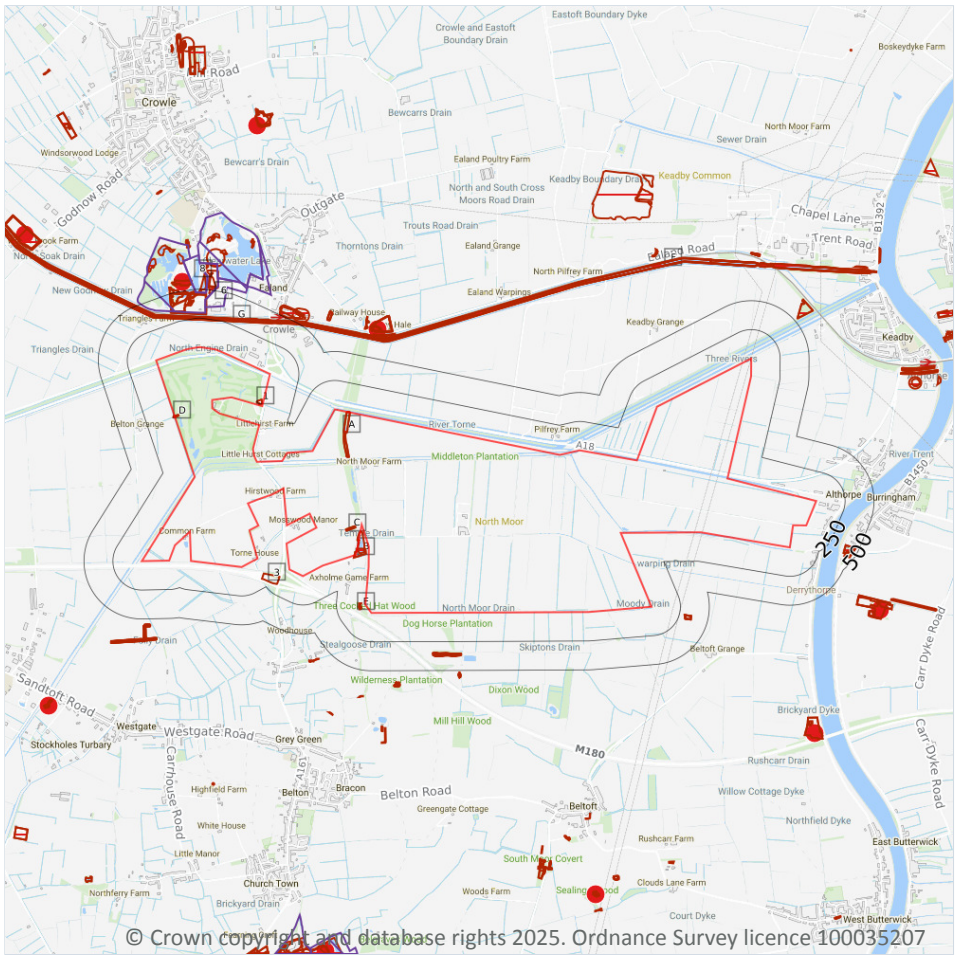
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 225 >**

Location	Hazard rating	Details
On site	**Negligible**	**Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.**

This data is sourced from the British Geological Survey.

18 Mining and ground workings



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Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	0

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	20

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on **page 227 >**

ID	Location	Land Use	Year of mapping	Mapping scale
1	**On site**	**Pond**	**1951**	**1:10560**
2	**On site**	**Pond**	**1982**	**1:10000**
A	**On site**	**Unspecified Pit**	**1948**	**1:10560**
A	**On site**	**Unspecified Pit**	**1906**	**1:10560**
B	**On site**	**Unspecified Pits**	**1948**	**1:10560**
B	**On site**	**Unspecified Pits**	**1905**	**1:10560**
C	**On site**	**Pond**	**1973**	**1:10000**
C	**On site**	**Pond**	**1982**	**1:10000**
D	**On site**	**Ponds**	**1885**	**1:10560**
D	**On site**	**Pond**	**1973**	**1:10000**
E	37m SW	Pond	1885	1:10560
E	39m SW	Pond	1885	1:10560
3	106m SW	Cuttings	1982	1:10000
F	236m NW	Canal	1885	1:10560
G	237m NW	Canal	1951	1:10560
G	237m NW	Canal	1973	1:10000
F	238m NW	Canal	1885	1:10560
4	240m NW	Canal	1890	1:10560
F	240m NW	Canal	1948	1:10560
F	240m NW	Canal	1906	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	3

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on **page 227 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
5	297m NW	Crowle Brickworks	Clay, bricks	Surface mineral working	Valid	4/12/1947
6	349m NW	Crowle Brickworks	Clay, bricks	Surface mineral working	Valid	6/1952
8	472m NW	Crowle Brickworks	Clay, bricks	Surface mineral working	Valid	1948

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	1

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

Location	Details
On site	**Whilst outside of an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) may have information such as mining plans and maps held within their archive that have occurred within 1km of this property. Please note, the plans held by JPB may also relate to non-mining records. Further details and a quote for services (if appropriate) can be obtained by emailing this report to enquiries.gs@jpb.co.uk ↗.**

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of

risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

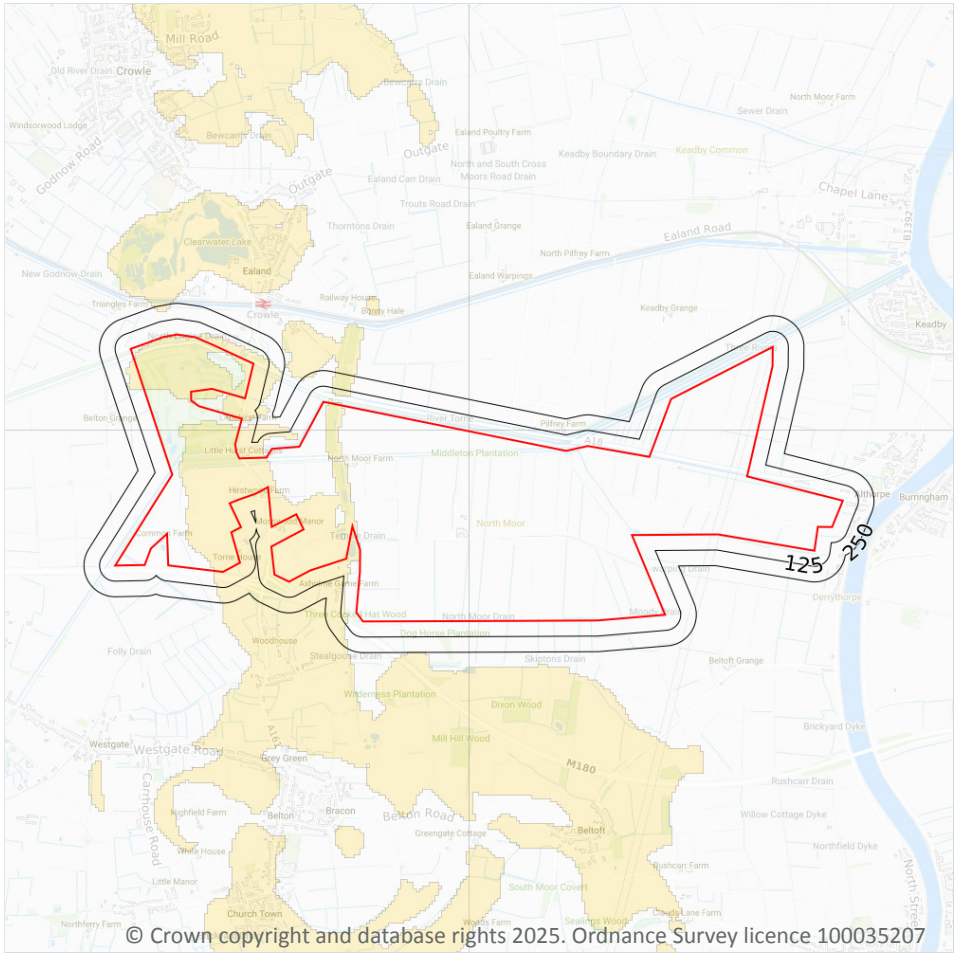
Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

20 Radon



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

20.1 Radon

Records on site	2

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 235 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Less than 1%**	**None**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 1% and 3%**	**None**

This data is sourced from the British Geological Survey and UK Health Security Agency.

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	164

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
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On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
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Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**20 - 40 mg/kg**	**15 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**20 - 40 mg/kg**	**15 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**20 - 40 mg/kg**	**15 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**20 - 40 mg/kg**	**15 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
1m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
1m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
1m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
1m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
4m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
11m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
15m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
17m SE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
20m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
20m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
20m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
37m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
37m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
41m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
46m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
46m NE	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

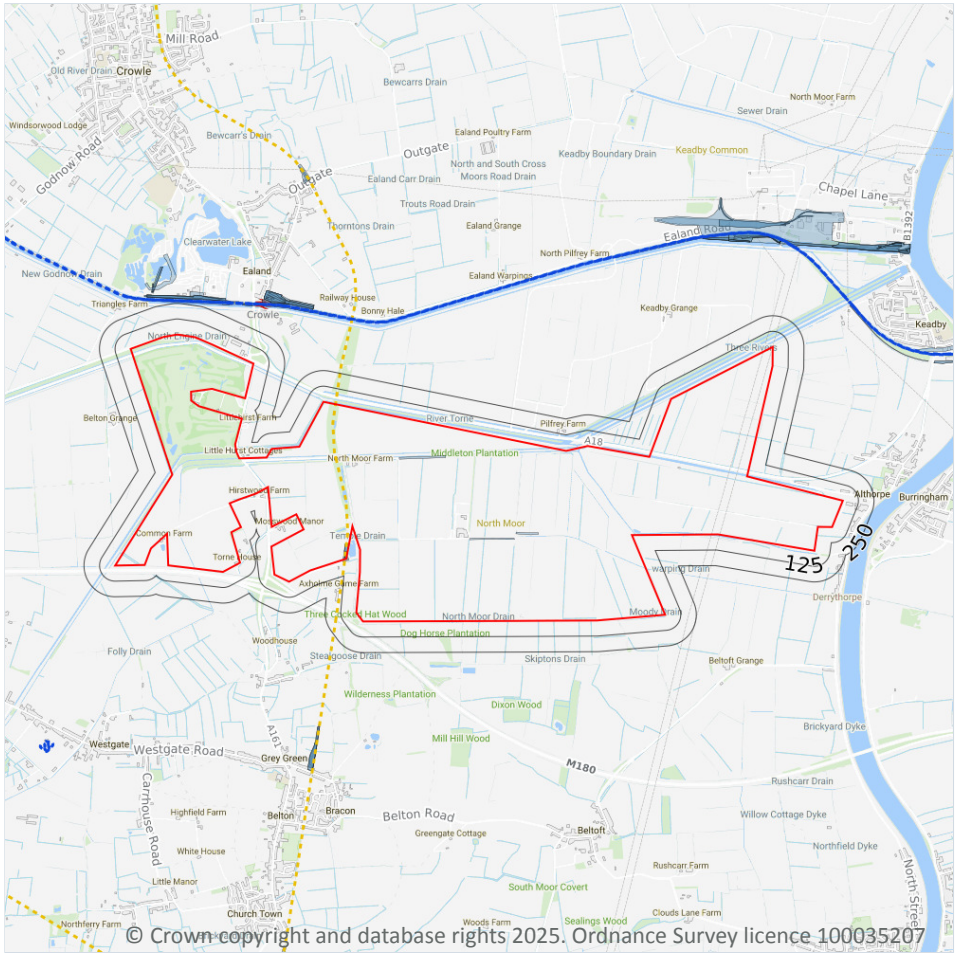
21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	6

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 247 >**

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway Sidings**	**1971**	**2500**
On site	**Railway Sidings**	**1951**	**10560**
On site	**Railway Sidings**	**1948**	**10560**
On site	**Railway Sidings**	**1906**	**10560**
On site	**Railway Sidings**	**1905**	**10560**
On site	**Tramway Sidings**	**1951**	**10560**

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	5

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

Features are displayed on the Railway infrastructure and projects map on **page 247 >**

Location	Description
On site	**Abandoned**
On site	**Abandoned**
On site	**Abandoned**
156m SW	Dismantled
180m SW	Abandoned

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m	0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see https://www.groundsure.com/sources-reference ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

Appendix E
THIRD PARTY DATA

UNEXPLODED BOMB RISK MAP

SITE LOCATION

Location: DN17 4DH,
Map Centre: 480756,410049



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

- **High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- **Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- **Low:** Areas indicated as having 15 bombs per 1000acre or less.

Miltary | **Industry** | **UXO find** | **Other**
Transport | **Docks** | **Luftwaffe targets**
Utilities | **Bombing decoy** | **Airfields**

How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density.
Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then additional detailed research is recommended.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our pre-desk study assessments (PDSA) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682 **email:** uxo@zetica.com **web:** www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the accompanying notes on our website.

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgement. The copyright remains with Zetica Ltd.

British Geological Survey

BGS ID: 124780 : BGS Reference: SE71SE33
British National Grid (27700) : 478970,410200

Norwest Holst Soil Engineering Ltd.

Borehole No. 3

BOREHOLE LOG

Contract No. F4421
Location Belton Viaduct
Client Bfitish Pipeline Agency
Method of Boring Percussion
Diameter of Borehole 150 mm

SE 71 SE 33

Sheet 1 of 2
Chainage
Ground Level 2.30 m.A.D.
Date 10/1/80 - 17/1/80

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
Dark brown sandy TOPSOIL		0.20	2.1				
Loose brown fine silty SAND with silt pockets.		2.50	-0.2		0.30 1.30	5	
Firm brown laminated silty CLAY with partings of fine silty SAND and silt.		6.40	-4.1		2.50 3.50 5.00		
Soft grey/green silty CLAY.		6.70	-4.4		6.50		
Weathered grey/green MARL with gypsum bands, up to 10 mm (Zone IV a)		7.80	-5.5		7.00	69 for 225mm	
Weathered red/brown with gypsum bands (Zone II)					8.00 9.55	100 for 200mm	

Type of Sample

- Is S.P.T.
- Undisturbed
- Ic. C.P.T.
- × Vane
- O Jar
- Δ Water
- ● Bulk
- Piezometer

Remarks (Observations of Ground Water etc.)

Water struck at 0.80 m, rising after 20 mins to 0.60 m
Level rose overnight to 0.30 m.
Not effectively sealed by casing
Water rose to ground level on withdrawing casing
(N.B. Site Waterlogged)

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 124780 : BGS Reference: SE71SE33
British National Grid (27700) : 478970,410200

Norwest Holst Soil Engineering Ltd.

Borehole No. 3

BOREHOLE LOG

Contract No. F4421
Location Belton Viaduct
Client British Pipeline Agency
Method of Boring Percussion
Diameter of Borehole 150 mm

SE 71 SE 33

Sheet 2 of 2
Chainage
Ground Level 2.30 m.A. D.
Date 10/1/80 - 14/1/80

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
Weathered red/brown MARL with gypsum bands (Zone II)							
		11.20	-8.9		11.00	88 for 90mm	
Strong grey/green SILTSTONE (Zone I)		11.50	-9.2				
Weathered red / brown MARL with gypsum bands (Zone II)					12.55	78 for 125mm	
		13.50	-11.2				
Strong grey/green SILTSTONE (Zone I)		13.80	-11.5				
Weathered red/brown MARL (Zone II to I)		14.00	-11.7		14.00	40 for 25mm	

Type of Sample

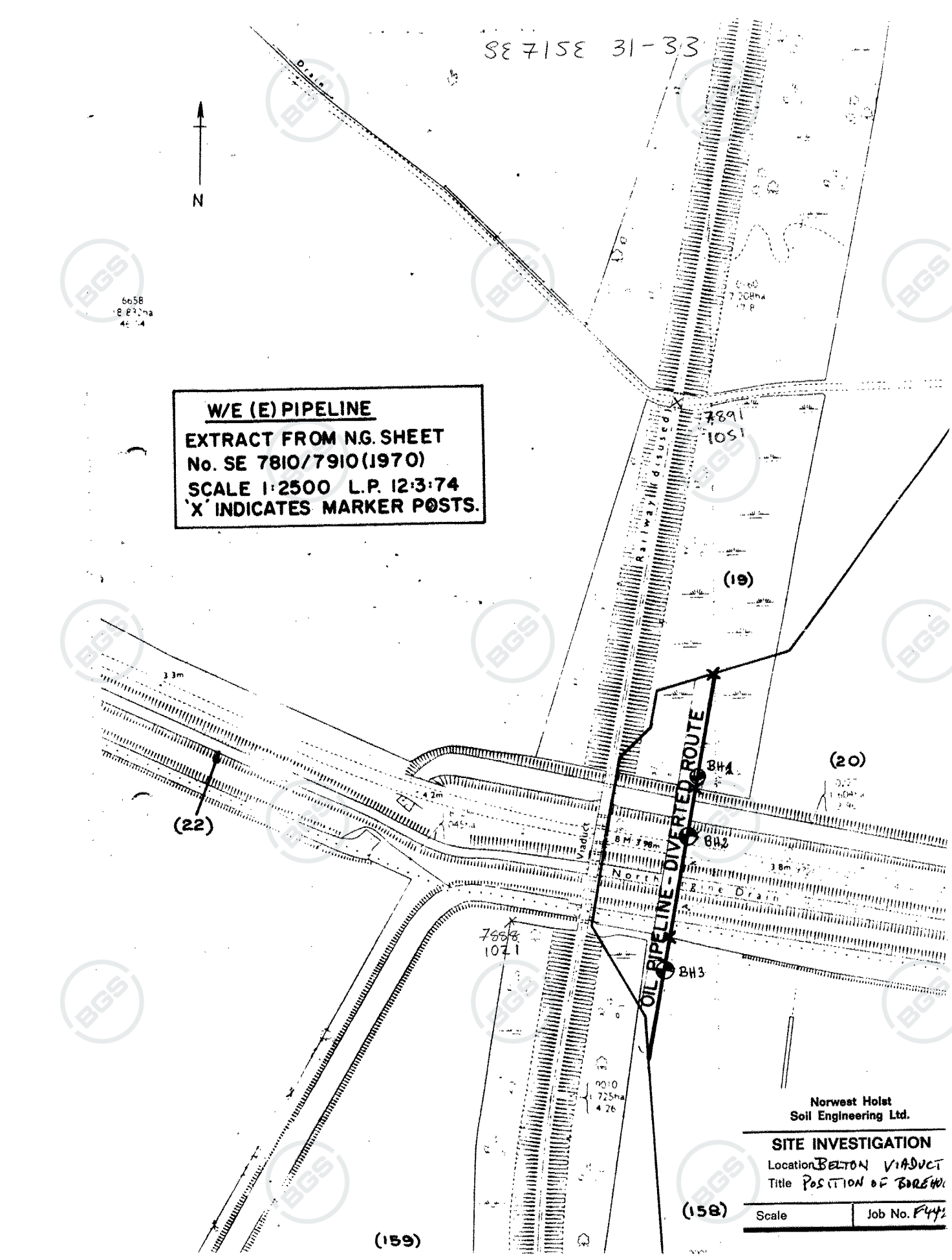
Is S.P.T. ■ Undisturbed
Ic. C.P.T. × Vane
O Jar Δ Water
● Bulk Piezometer

Remarks (Observations of Ground Water etc.)

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 124780 : BGS Reference: SE71SE33
British National Grid (27700) : 478970,410200



Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 131530 : BGS Reference: SE80NW6
British National Grid (27700) : 480400,409460

Appendix F: Mineral Assessment Unit Borehole Records

SE 80 NW 6 8040 0946 North Moor Block A

Surface level (+1.8 m) +6 ft
Water level -0.7 m (-2 ft)
February 1973

Overburden 1.1 m (3.5 ft)
Mineral 2.9 m (9.5 ft)
Waste 1.2 m (4.0 ft)
Mineral 1.8 m (6.0 ft)
Bedrock 1.5 m+ (5.0 ft+)

LOG

			Thickness m	(ft)	Depth m	(ft)
		Topsoil	1.1	(3.5)	1.1	(3.5)
First Terrace	(a)	Sand, pebbly at top Gravel: fine, well rounded quartz and subrounded quartzites pebbles Sand: fine, well rounded quartz grains with some coal	2.9	(9.5)	4.0	(13.0)
Silt and Clay of 25-Foot Drift		Clayey silt, red, laminated, micaceous	1.2	(4.0)	5.2	(17.0)
Older River Sand and Gravel	(b)	'Clayey' sand, fine, well rounded quartz	1.8	(6.0)	7.0	(23.0)
Keuper Marl		Mudstone, red and greyish green, gypsiferous	1.5+	(5.0+)	8.5	(28.0)

GRADING

Mean for Deposit

	%	mm	%
(a)			
Gravel	3	+16	0
		-16 + 4	3
Sand	90	-4 + 1	1
		-1 + ¼	10
		-¼ + 1/16	79
Fines	7	-1/16	7
(b)			
Sand	86	-4 + 1	1
		-1 + ¼	7
		-¼ + 1/16	78
Fines	14	-1/16	14

Bulk Samples

Depth below surface (m)	Percentage Fines	Sand	Gravel
1.1 - 2.1	10	81	9
2.1 - 3.1	8	92	0
3.1 - 4.0	4	96	0
5.2 - 6.2	17	83	0
6.2 - 7.0	10	90	0

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131530 : BGS Reference: SE80NW6
British National Grid (27700) : 480400,409460



~~COMMERCIAL IN CONFIDENCE~~

SE 80 NW 6

TV 80 1

IGS SE 8040 0946

Lincs

North Moor C

Sand and gravel survey

Strata Surveys Ltd 28.2.73

J H Lovell

TV 80	1/1	1.1 - 2.1 m	3*	1/7	7.0 - 8.5 clay
	1/2	2.1 - 3.1			
	1/3	3.1 - 4.0			Water level 2.5 m
	1/4	4.0 - 5.2 silt			
	1/5	5.2 - 6.2			
	1/6	6.2 - 7.0			

Fill and topsoil	1.1	1.1
'Clayey' Sand fine grained, up to ¼ mm, well rounded quartz grains, much brown silt, some coal specks	2.9	4.0
Clayey Silt Red laminated micaceous silt, clayey towards base	1.2	5.2
'Clayey' Sand as above	1.8	7.0
Mudstone: Reddish, becoming green grey soft clay, becoming harder grey green mudstone with evaporites	1.5	8.5

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131530 : BGS Reference: SE80NW6
British National Grid (27700) : 480400,409460

IGS 448 1000 5/72

~~COMMERCIAL IN CONFIDENCE~~

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

SE 80 NW/6

Name and Number of Shaft or Borehole: TV 80 1

National Grid Reference

SE 8040 0946

For whom made IGS

Town or Village _____ *County* Lincs

Exact site (reference to a fixed point on 1-in or 1:50 000 Map) North Moor

1-in or 1:50 000 New Series Map No.

Enter 'C' if Confidential

Purpose for which made Sand and gravel survey

Ground level at shaft/bore relative to O.D. _____ *m. If not ground level give O.D. of beginning of shaft/bore* _____ *m.*

Made by Strata Surveys Ltd *Date of sinking* 28.2.73

Information from _____ *Examined by* J H Lovell

Specimen Numbers and Additional Notes

TV 80 1/1 1.1 - 2.1 m
1/2 2.1 - 3.1
1/3 3.1 - 4.0
1/4 4.0 - 5.2 silt
1/5 5.2 - 6.2
1/6 6.2 - 7.0
3* 1/7 7.0 - 8.5 clay

Water level 2.5 m

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
	Fill and topsoil	1.1	1.1
	'Clayey' Sand fine grained, up to ¼ mm, well rounded quartz grains, much brown silt, some coal specks	2.9	4.0
	Clayey Silt Red laminated micaceous silt, clayey towards base	1.2	5.2
	'Clayey' Sand as above	1.8	7.0
	Mudstone: Reddish, becoming green grey soft clay, becoming harder grey green mudstone with evaporites	1.5	8.5

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 131531 : BGS Reference: SE80NW7
British National Grid (27700) : 481430,409440

SE 80 NW 7 8143 0944 Low Farm Block A

Surface level (+1.8 m) +6 ft
Water level -1.2 m (-4 ft)
February 1973

Overburden 0.6 m (2.0 ft)
Mineral 3.6 m (12.0 ft)
Waste 1.6 m (5.0 ft)
Mineral 6.3 m (20.5 ft)
Bedrock 0.9 m+ (3.0 ft+)

LOG

			Thickness m	(ft)	Depth m	(ft)
		Fill	0.6	(2.0)	0.6	(2.0)
First Terrace	(a)	'Clayey' sand, 'very clayey' at top Sand: fine, rounded quartz with some subrounded rock fragments	3.6	(12.0)	4.2	(14.0)
Silt and Clay of 25-Foot Drift		Clay, red, silty	1.6	(5.0)	5.8	(19.0)
Older River Sand and Gravel	(b)	Sand, pebbly at base Gravel: fine, well rounded quartz and sandstone pebbles with mudstone, subangular flint and chert Sand: medium, well rounded quartz and subrounded lithic fragments	6.3	(20.5)	12.1	(39.5)
Keuper Marl		Mudstone, red and green	0.9+	(3.0+)	13.0	(42.5)

GRADING

Mean for Deposit

	%	mm	%
(a)			
Sand	83	-4 + 1	0
		-1 + ¼	22
		-¼ + 1/16	61
Fines	17	-1/16	17
(b)			
Gravel	4	+16	1
		-16 + 4	3
Sand	93	-4 + 1	5
		-1 + ¼	57
		-¼ + 1/16	31
Fines	3	-1/16	3

Bulk Samples

Depth below surface (m)	Percentage Fines	Sand	Gravel
0.6 - 1.6	37	63	0
1.6 - 2.6	16	84	0
2.6 - 3.6	5	95	0
3.6 - 4.2	4	96	0
5.8 - 6.8	5	95	0
6.8 - 7.8	3	95	2
7.8 - 8.8	2	93	5
8.8 - 9.8	4	95	1
9.8 - 10.8	2	97	1
10.8 - 12.1	2	85	13

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131531 : BGS Reference: SE80NW7
British National Grid (27700) : 481430,409440

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

SE 80 NW /7

National Grid Reference

SE 8143 0944

Name and Number of Shaft or Borehole:

TV 80.2

For whom made IGS

Town or Village Althorpe *County* Lincs

Exact site (reference to a fixed point on 1-in or 1:50 000 Map)

Low Farm

Purpose for which made Sand and gravel survey

1-in or 1:50 000 New Series Map No.

Enter 'C' if Confidential

C

Ground level at shaft / bore *relative to O.D.* _____ *m. If not ground level give O.D. of beginning of* shaft / bore _____ *m.*

Made by Strata Surveys Ltd *Date of sinking* 23.2.73

Information from J H Lovell *Examined by* _____

Specimen Numbers and Additional Notes

TV 80	2/1	0.6 - 1.6m		2.8	6.8 - 7.8
	2/2	1.6 - 2.6		2.9	7.8 - 8.8
	2/3	2.6 - 3.6	bulk	2.10	8.8 - 9.8
	2/4	3.6 - 4.2		2.11	9.8 - 10.8
	2/5	4.2 - 4.8	clay	2.12	10.8 - 12.1
	2/6	4.8 - 5.8	bulk	2.13	12.1 - 13.0
	2/7	5.8 - 6.8			

water level 3.0m

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
	Fill	0.6	0.6
	Clayey Sand Sand - ¼mm, rounded quartz with few rock fragments. Very clayey at top, becoming cleaner	3.6	4.2
	Clay, red, silty	0.6	4.8
	Sand, up to ½mm, well rounded quartz and subrounded rock fragments. Silt bands at top, very 'clayey' becoming cleaner below 5.8m. Some coal and green sandstone fragments	5.0	9.8
	Pebbly sand Sand - ½mm, well rounded quartz and subrounded rock fragments.	2.3	12.1

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131531 : BGS Reference: SE80NW7
British National Grid (27700) : 481430,409440

IGS 449 2000 5/72

Institute of Geological Sciences

Name and Number of Shaft or Borehole :

TV 80 2

6-in or 1:10 000 Map Registration No.

SE 80 NW 7

National Grid Reference

SE 8143 0944

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
	Brought Forward		12.1
	Gravel - fine, some medium, well rounded Quartz and sandstone, with pebbles of mudstone and subangular flint and chert		
	Mudstone: red, becoming hard, green	0.9	13.0

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131531 : BGS Reference: SE80NW7
British National Grid (27700) : 481430,409440

SE 80 NW 7

TV 80.2 SE 8143 0944

IGS

Althorpe Lincs 23 2 73

Low Farm C

Sand and gravel survey

Strata Surveys Ltd

J H Lovell

TV 80	2/1	0.6 - 1.6m	bulk	2.8	6.8 - 7.8	Lovell	
	2/2	1.6 - 2.6		2.9	7.8 - 8.8		
	2/3	2.6 - 3.6		2.10	8.8 - 9.8		
	2/4	3.6 - 4.2		2.11	9.8 - 10.8		
	2/5	4.2 - 4.8	clay	2.12	10.8 - 12.1		
	2/6	4.8 - 5.8	bulk	2.13	12.1 - 13.0		
	2/7	5.8 - 6.8				water level 3.0m	

Fill	0.6	0.6
Clayey Sand Sand - 1mm, rounded quartz with few rock fragments. Very clayey at top, becoming cleaner	3.6	4.2
Clay, red, silty	0.6	4.8
Sand, up to 2mm, well rounded quartz and subrounded rock fragments. Silt bands at top, very 'clayey' becoming cleaner below 5.8m. Some coal and green sandstone fragments	5.0	9.8
Pebbly sand Sand - 2mm, well rounded quartz and subrounded rock fragments.	2.3	12.1

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131531 : BGS Reference: SE80NW7
British National Grid (27700) : 481430,409440

SE 80 NW 7

2

TV 80 2 SE 8143 0944

		12.1
Gravel - fine, some medium, well rounded Quartz and sandstone, with pebbles of mudstone and subangular flint and chert		
Mudstone: red, becoming hard, green	0.9	13.0

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 131535 : BGS Reference: SE80NW11
British National Grid (27700) : 480770,408480

SE 80 NW 11 8077 0848

Old Farm

Block A

Surface level (+1.5 m) +5 ft
Water level -0.7 m (-2 ft)
February 1973

Overburden 1.5 m (5.0 ft)
Mineral 1.4 m (4.5 ft)
Waste 1.1 m (3.5 ft)
Mineral 1.0 m (3.5 ft)
Waste 0.9 m (3.0 ft)
Mineral 1.1 m (3.5 ft)
Bedrock 1.0 m+ (3.5 ft+)

LOG

		Thickness m	(ft)	Depth m	(ft)
	Topsoil and fill	1.5	(5.0)	1.5	(5.0)
First Terrace	(a) 'Clayey' sand: fine, well rounded quartz with some coal specks Brown silt	1.4	(4.5)	2.9	(9.5)
Silt and Clay of 25-Foot Drift	Clayey silt, reddish brown, micaceous, laminated	1.1	(3.5)	4.0	(13.0)
	(b) 'Very clayey' sand: fine, well rounded quartz sand with brown silt	1.0	(3.5)	5.0	(16.5)
	Clayey silt: brown, laminated	0.9	(3.0)	5.9	(19.5)
Older River Sand and Gravel	(c) 'Very clayey' sand: fine, well rounded quartz sand with clay and silt	1.1	(3.5)	7.0	(23.0)
Keuper Marl	Mudstone, red and green, gypsiferous	1.0+	(3.5+)	8.0	(26.0)

GRADING

Mean for Deposit

	%	mm	%
(a) Sand	90	-4 + 1	0
		-1 + ¼	5
		-¼ + 1/16	85
Fines	10	-1/16	10
(b) Sand	73	-4 + 1	1
		-1 + ¼	4
		-¼ + 1/16	68
Fines	27	-1/16	27
(c) Sand	71	-4 + 1	1
		-1 + ¼	12
		-¼ + 1/16	58
Fines	29	-1/16	29

Bulk Samples

Depth below surface (m)	Percentage Fines	Sand	Gravel
1.5 - 2.9	10	90	0
4.0 - 5.0	27	73	0
5.9 - 7.0	29	71	0

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131535 : BGS Reference: SE80NW11
British National Grid (27700) : 480770,408480

IGS 448 1000 5/72

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

SE 80 NW 11

Name and Number of Shaft or Borehole: TV 80 5

National Grid Reference

SE 8077 0848

For whom made IGS

Town or Village _____ *County* Lincs

1-in or 1:50 000 New Series Map No.

Enter 'C' if Confidential

Exact site (reference to a fixed point on 1-in or 1:50 000 Map) Old Farm

Purpose for which made Sand and gravel survey

Ground level at shaft / bore *relative to O.D.* _____ *m. If not ground level give O.D. of beginning of* shaft / bore _____ *m.*

Made by Strata Survey Ltd *Date of sinking* 28.2.73

Information from _____ *Examined by* J H Lovell

Specimen Numbers and Additional Notes

TV 80 5/1 1.5 - 2.9 m Water level 2.2 m
5/2 2.9 - 4.0 silt
5/3 4.0 - 5.0
5/4 5.0 - 5.9 silt
5/5 5.9 - 7.0
5/6 7.0 - 8.0 mudstone

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
	Fill and silty Topsoil	1.5	1.5
	'Clayey' Sand Fine, up to ¼ mm, well rounded quartz, some coal specks. Brown silt	1.4	2.9
	Clayey Silt Red brown, micaceous, laminated	1.1	4.0
	'Clayey' Sand As above	1.0	5.0
	Clayey Silt Brown laminated	0.9	5.7
	'Clayey' Sand As above	1.1	7.0
	Mudstone: Red and green gypsiferous clay and mudstone	1.0	8.0

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131535 : BGS Reference: SE80NW11
British National Grid (27700) : 480770,408480

~~Confidential~~

SE 80 NW 5

TV 80 5

SE 8077 0048

IGS

Lincs

Old Farm

C

Sand and gravel survey

Strata Survey Ltd

28.2.73

J H Lovell

TV 80 5/1 1.5 - 2.9 m Water level 2.2 m
5/2 2.9 - 4.0 silt
5/3 4.0 - 5.0
5/4 5.0 - 5.9 silt
5/5 5.9 - 7.0
5/6 7.0 - 8.0 mudstone

Fill and silty Topsoil	1.5	1.5
'Clayey' Sand Fine, up to ¼ mm, well rounded quarts, some coal specks. Brown silt	1.4	2.9
Clayey Silt Red brown, micaceous, laminated	1.1	4.0
'Clayey' Sand As above	1.0	5.0
Clayey Silt Brown laminated	0.9	5.9
'Clayey' Sand As above	1.1	7.0
Mudstone: Red and green gypsiferous clay and mudstone	1.0	8.0

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 131571 : BGS Reference: SE80NW47
British National Grid (27700) : 481080,409880

Cementation Ground Engineering — soil mechanics department

BOREHOLE No. 94

CONTRACT	A.18 Scunthorpe
REPORT No.	7468/SEQ
Bored for	North Eastern Road Construction Unit
Ground Level	7.8 O.D.
Site Address	Thorne, Yorkshire
Boring Commenced	29.7.69.
Boring Completed	30.7.69.
Type and Dia. of Boring	Shell and Auger 8" diameter.

SE 80 NW 47

Water Strikes	Water Levels Recorded During Boring									
1. 11'0"	Hole Depth	-	16'0"	16'0"	30'0"					
2.	Casing Depth	30'0"	16'0"	16'0"	30'0"					
3.	Water Level	-	14'0"	8'0"	15'0"					

Remarks

Description	Depth	Scale 1 inch = 5 ft. Legend	Ref. No.	Type	Depth	N blows/ft
Topsoil						
	2'6"		1115	J	2'6"	
Brown and grey sand.						
	4'0"		1116	J	4'0"	
Firm brown sandy peat						
	5'6"		1117	D	6'0"	3
Soft dark brown fibrous peat.						
			1118	J	8'0"	
			1119	J	9'0"	
			1120	D	10'6"	3
	11'6"		1121	J	11'6"	
Loose grey/brown silty sand.						
			1122	D	13'0"	7
			1123	J	15'0"	
			1124	J	18'0"	13
			1125	D	20'0"	
	24'0"		1126	J	23'6"	5
Stiff brown laminated clay with silt in partings.			1127	J	25'0"	
	26'0"		1128	U	25'6"-27'0"	
Dense brown fine silty sand.						
	27'6"		1129	J	28'0"	13
Medium-dense brown silty sand.						
	30'0"		1130	D	30'0"	
			1131	W	(11'0")	

Code: U—Undisturbed Sample D—Large Disturbed Sample J—Jar Sample W—Water Sample

Note.—Unless classification tests have been made and the results are included in this Report, the descriptions of strata given above have been obtained by inspection in accordance with British Standard Code of Practice CP 2001 (1957) Site Investigations. To ensure agreement as to interpretation, clients are requested to check the descriptions against the samples submitted.

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 132098 : BGS Reference: SE81SW32
British National Grid (27700) : 482060,410210

SE 81 SW 32 8206 1021

Doncaster Road, Althorpe Block E

Surface level (+0.3 m) +1 ft
Water level -1.5 m (-5 ft)
March 1973

Overburden 6.5 m (21.5 ft)
Mineral 5.9 m (19.5 ft)
Bedrock 1.0 m+ (3.5 ft+)

		Thickness m	(ft)	Depth m	(ft)
	Soil	0.6	(2.0)	0.6	(2.0)
Alluvium	Peaty silt	5.9	(19.5)	6.5	(21.5)
Alluvium on Older River Sand and Gravel	Sand, clayey and pebbly at top Sand: medium, well rounded quartz with subrounded rock fragments Gravel: fine, quartz and sandstone with flint and limestone	5.9	(19.5)	12.4	(40.5)
Keuper Marl	Mudstone, red	1.0+	(3.5+)	13.4	(44.0)

	%	mm	%
Gravel	3	+16	0
		-16+4	3
Sand	93	- 4+1	4
		- 1+¼	55
		- ¼+1/16	34
Fines	4	- 1/16	4

Depth below surface (m)	Percentage Fines	Sand	Gravel
6.5 - 7.5	14	75	11
7.5 - 8.5	3	96	1
8.5 - 9.5	3	97	trace
9.5 - 10.5	2	98	trace
10.5 - 11.5	1	97	2
11.5 - 12.4	1	97	2

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 132098 : BGS Reference: SE81SW32
British National Grid (27700) : 482060,410210

GS 448 1000 5/72

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

SE 81 SW/32

Name and Number of Shaft or Borehole: TV 81 47

National Grid Reference

SE 8206 1021

For whom made IGS

Town or Village Althorpe *County* Lincs.

1-in or 1:50 000 New Series Map No.

Enter 'C' if Confidential

DECLASSIFIED

C

Exact site (reference to a fixed point on 1-in or 1:50 000 Map) Doncaster Road

Purpose for which made Sand and gravel survey

Ground level at shaft bore relative to O.D. +0.3 *m. If not ground level give O.D. of beginning of shaft bore* ____ *m.*

Made by Strata Surveys Ltd *Date of sinking* 8.3.73

Information from ____ *Examined by* J H Lovell

Specimen Numbers and Additional Notes

TV 81 47/1 0.6 - 1.6 m
47/2 1.6 - 2.6
47/3 2.6 - 3.6
47/4 3.6 - 4.6
47/5 4.6 - 5.6
47/6 5.6 - 6.5
47/7 6.5 - 7.5 sand
47/8 7.5 - 8.5)
47/9 8.5 - 9.5)
47/10 9.5 -10.5) sand
47/11 10.5-11.5)
47/12 11.5-12.4)
47/13 12.4-13.4 m mudstone

Water level 1.8 m

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
	Topsoil:	0.6	0.6
	Peaty Silt: Brown and grey laminated silt, soft, some very peaty layers	5.9	6.5
	Sand: grey, up to ½ mm, well rounded quartz with sub rounded rock fragments. Becomes redder downwards. Some fine gravel pebbles - well rounded quartz and dark sandstone, with flint limestone and green sandstone	5.9	12.4
	Mudstone: Hard red mudstone	1.0	13.4

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 132098 : BGS Reference: SE81SW32
British National Grid (27700) : 482060,410210

SE 81 SW 32 8206 1021 Doncaster Road, Althorpe Block E

Surface level (+ 0.3 m) + 1ft

Water level - 1.5 m (- 5ft)

March 1973

Overburden 6.5 m (21.5 ft)

Mineral 5.9 m (19.5 ft)

Bedrock 1.0 m+ (3.5 ft+)

		Thickness m (ft)	Depth m (ft)
	Soil	0.6 (2.0)	0.6 (2.0)
Alluvium	Peaty Silt	5.9 (19.5)	6.5 (21.5)
Alluvium on	Sand, clayey and pebbly at top.	5.9 (19.5)	12.4 (40.5)
on Older River Sand and Gravel	Sand: medium, well rounded quartz with subrounded rock fragments. Gravel: fine, quartz and sandstone with flint and limestone.		
Keuper Marl	Mudstone, red.	1.0+ (3.5+)	13.4 (44.0)

	%	mm		%
Gravel	3	+ 16	:	0
		- 16 + 4	:	3
		- 4 + 1	:	4
Sand	93	- 1 + ¼	:	55
		- ¼ + 1/16	:	34
Fines	4	- 1/16	:	4

Depth below surface (m)	Percentage Fines	Sand	Gravel
6.5 - 7.5	14	75	11
7.5 - 8.5	3	96	1
8.5 - 9.5	3	97	trace
9.5 - 10.5	2	98	trace
10.5 - 11.5	1	97	2
11.5 - 12.4	1	97	2

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey
BGS ID: 132098 : BGS Reference: SE81SW32
British National Grid (27700) : 482060,410210

~~COMMERCIAL IN~~

SE 81 SW /32.

TV 81 47

SE 8206 1021

IGS

Althorpe Lincs

Doncaster Road

C

Sand and gravel survey

Strata Surveys Ltd 8.3.73

J H Lovell

TV 81	47/1	0.6 - 1.6 m	
	47/2	1.6 - 2.6	
	47/3	2.6 - 3.6	
	47/4	3.6 - 4.6	
	47/5	4.6 - 5.6	
	47/6	5.6 - 6.5	
	47/7	6.5 - 7.5 sand	
	47/8	7.5 - 8.5)	
	47/9	8.5 - 9.5)	
	47/10	9.5 -10.5) sand	
	47/11	10.5-11.5)	
	47/12	11.5-12.4)	
	47/13	12.4-13.4 m mudstone	

Water level 1.8 m

Topsoil:	0.6	0.6
Peaty Silt: Brown and grey laminated silt, soft, some very peaty layers	5.9	6.5
Sand: grey, up to ½ mm, well rounded quarts with sub rounded rock fragments. Becomes redder downwards. Some fine gravel pebbles - well rounded quarts and dark sandstone, with flint limestone and green sandstone	5.9	12.4
Mudstone: Hard red mudstone	1.0	13.4

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 132113 : BGS Reference: SE81SW47
British National Grid (27700) : 482050,410010

Cementation Ground Engineering — **soil mechanics department**

BOREHOLE No. 95

CONTRACT A.18 Scunthorpe

REPORT No. 7468/SEQ

Bored for North Eastern Road Construction Unit.

Ground Level 0.2 O.D. (0.06m)

Site Address Thorne, Yorkshire

Boring Commenced 30.7.69.
Boring Completed 31.7.69.

Type and Dia. of Boring: Shell and Auger 8" diameter.

SE81SW47

Water Strikes	Water Levels Recorded During Boring									
1. 17'0" seepage	Hole Depth	-	24'6"							
2. 23'6"	Casing Depth	37'0"	24'0"							
3.	Water Level	-	12'0"							

Remarks

Description	Depth	Legend	Samples & S.P.T. Ref. No.	Type	Depth	N blows/ft
Topsoil	1'3"					
Soft dark brown clayey peat.			1132	J	2'6"	
			1133	D	6'0"	3
			1134	J	8'0"	
			1135	D	11'0"	2
			1136	J	13'0"	
	15'0"		1137	J	15'0"	
Soft dark brown fibrous peat.			1138	J	17'6"	
			1139	J	20'0"	
	23'6"		1140	J	23'6"	
Loose grey sand with gravel			1141	J	25'6"	5
			1142	D	27'6"	
			1143	J	30'0"	
			1144	J	32'0"	11
	34'0"		1145	J	34'0"	
Medium-dense brown silty sand.						

Scale 1 inch = 5 ft.

Code: U—Undisturbed Sample D—Large Disturbed Sample J—Jar Sample W—Water Sample

Note.—Unless classification tests have been made and the results are included in this Report, the descriptions of strata given above have been obtained by inspection in accordance with British Standard Code of Practice CP 2001 (1957) Site Investigations. To ensure agreement as to interpretation, clients are requested to check the descriptions against the samples submitted.

Contact BGS: ngdc@bgs.ac.uk

British Geological Survey

BGS ID: 132113 : BGS Reference: SE81SW47
British National Grid (27700) : 482050,410010

Cementation Ground Engineering

soil mechanics department

BOREHOLE No. 95 95

Continuation Sheet No. 1

CONTRACT A.18 Scunthorpe

REPORT No. 7468/SEQ

SE 81 SW 47

Description	Scale 1 inch = 5 ft. Depth	Legend	Samples & S.P.T. Ref.No.	Type	Depth	N blows/ft
Medium-dense brown silty sand (continued)			1146	J	36'0"	22
	37'0" (11.27m)		1147	D	37'0"	
			1148	W	(23'6")	

Code: U—Undisturbed Sample D—Large Disturbed Sample J—Jar Sample W—Water Sample

Note.—Unless classification tests have been made and the results are included in this Report, the descriptions of strata given above have been obtained by inspection

Contact BGS: ngdc@bgs.ac.uk

To be filled in by NGDC only

SOBI Registration Number assigned by NGDC:

This borehole metadata record be completed before any borehole can be registered in the NGDC system

Borehole cannot be allocated a registration before drilling has begun

Name of Borehole: ALTHORPE 1

National Grid Reference

100 km square : SE80NW

Easting : 481398

Northing : 409417

How was this measured?: Surveyed

Minimum precision of 3 figures is required 6/7 figures accuracy is strongly preferred

OD level:
Above ground datum (RT): 5.91 (maOD)
Ground Level: 0.91 (maOD)

How was this measured?: Surveyed

Total Depth: 1318.99

Data owner: Composite Energy Limited

Type of data deposited: Digital Geophysical Logs

Type of Logs:

Data locations: In RECALL DB

Data manager / contact: Andy Kingdon /Tony Morigi

Physical records to be deposited in NGDC: No

Confidentiality Status: Confidential until released by DECC

Comments:
DECC licensed hydrocarbon well (coal bed methane) which will have a DECC license number but this is not yet available on DECC website

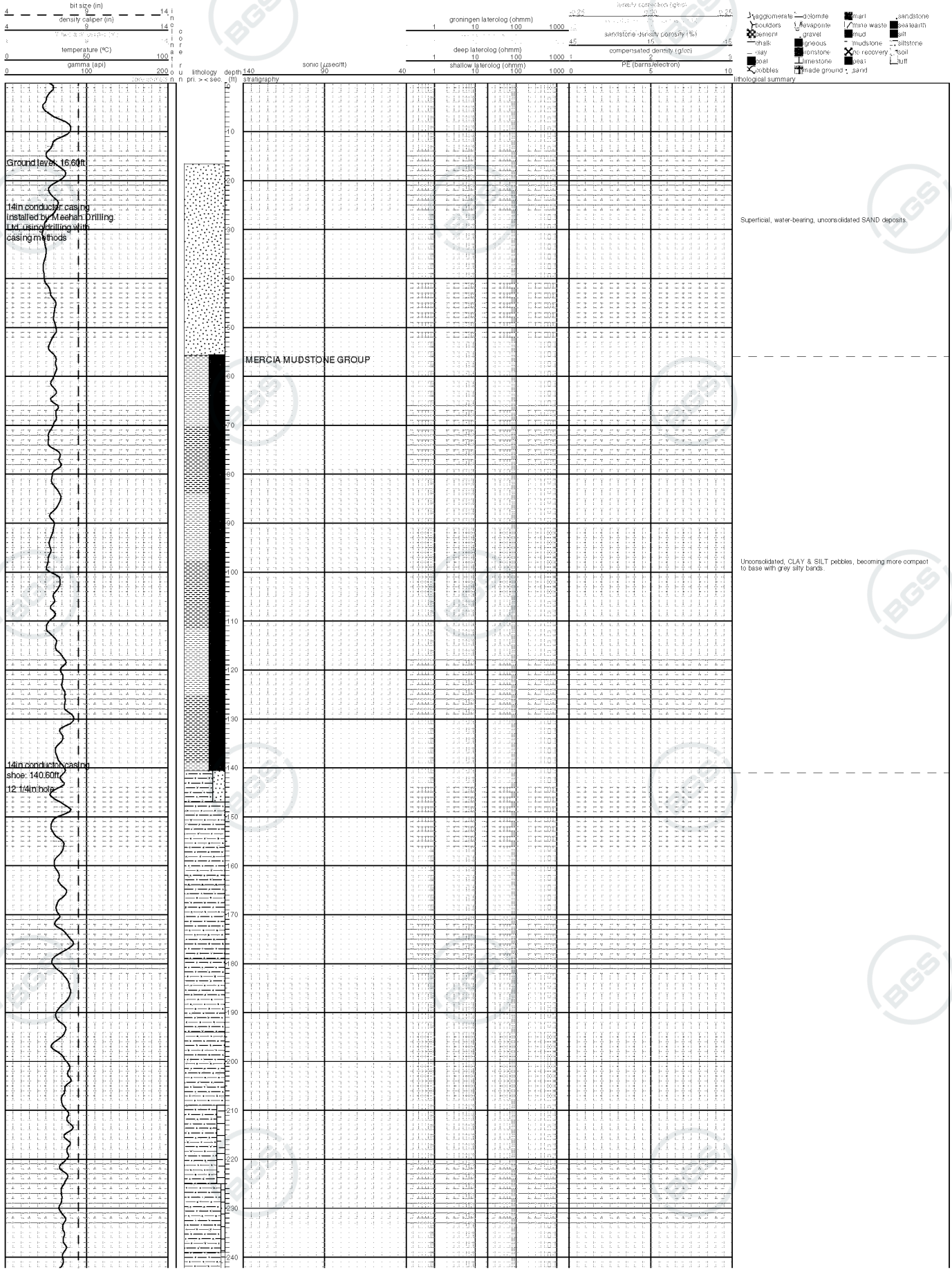
ALTHORPE 1 Composite Log 1:200

Well: Althorpe 1 (L46/12-8)
Well Type: Vertical
Operator: Composite Energy Ltd
Drilling Company: Geometric Drilling Ltd
Wireline Contractor: Weatherford

Location: East Midlands Coalfield, on-shore UK
Licence: PEDL173
Field: Althorpe
Well Location: 481398.00mE, 409417.00mN
3.00ft AMSL
Spud Date: 07/06/2009

Rig: HH102A
Datum: Rotary Table
Datum - Sea Level: 19.40ft
Datum - Ground Level: 16.60ft
Total Depth: 4344.00 ftBRT
Max Recorded Deviation: ~1.50° at 4310.00ft

Composite energy Ltd



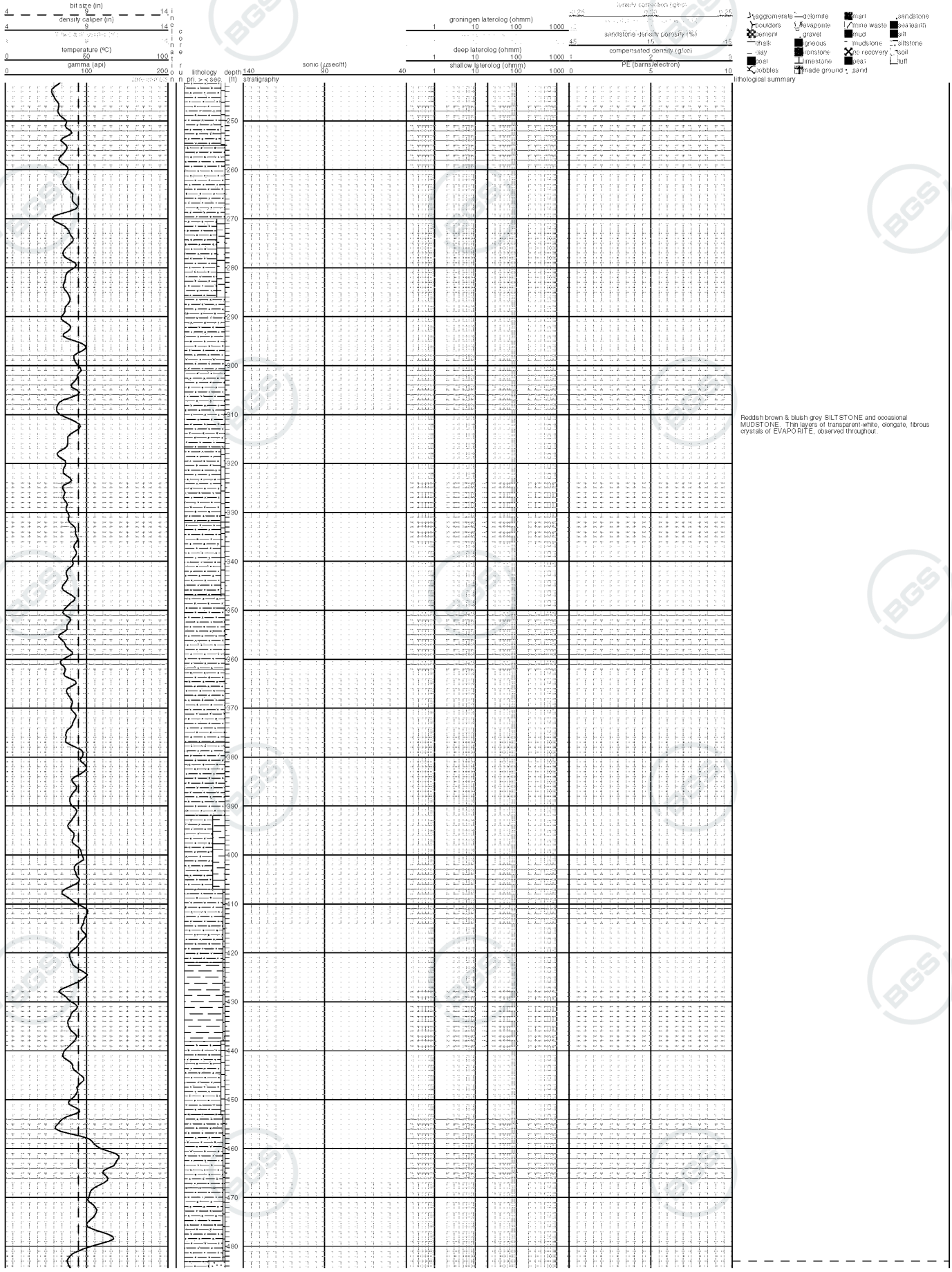
ALTHORPE 1 Composite Log
1:200

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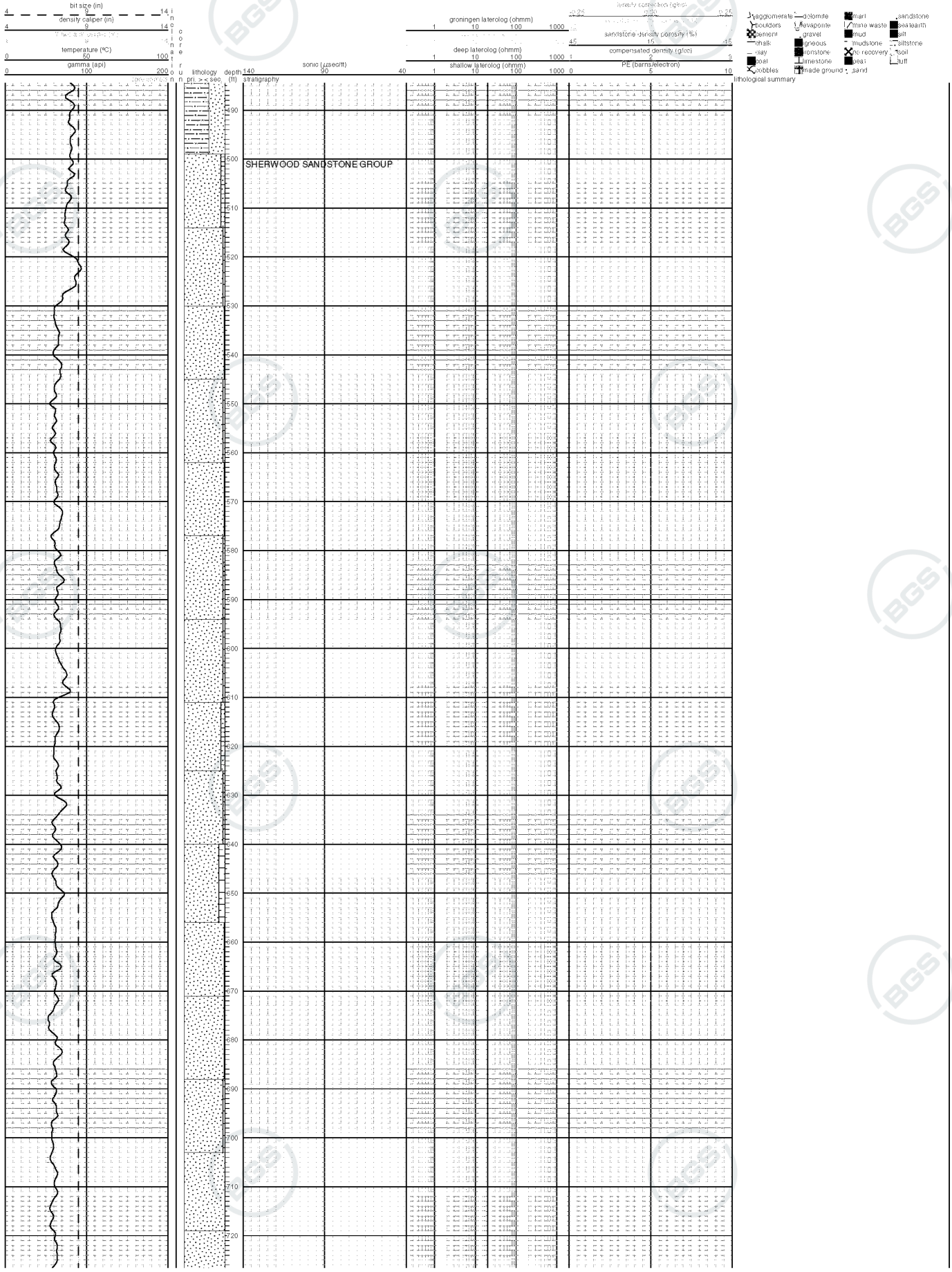
ALTHORPE 1 Composite Log
1:200

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Well Type: Vertical
Operator: Composite Energy Ltd
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Composite energy Ltd



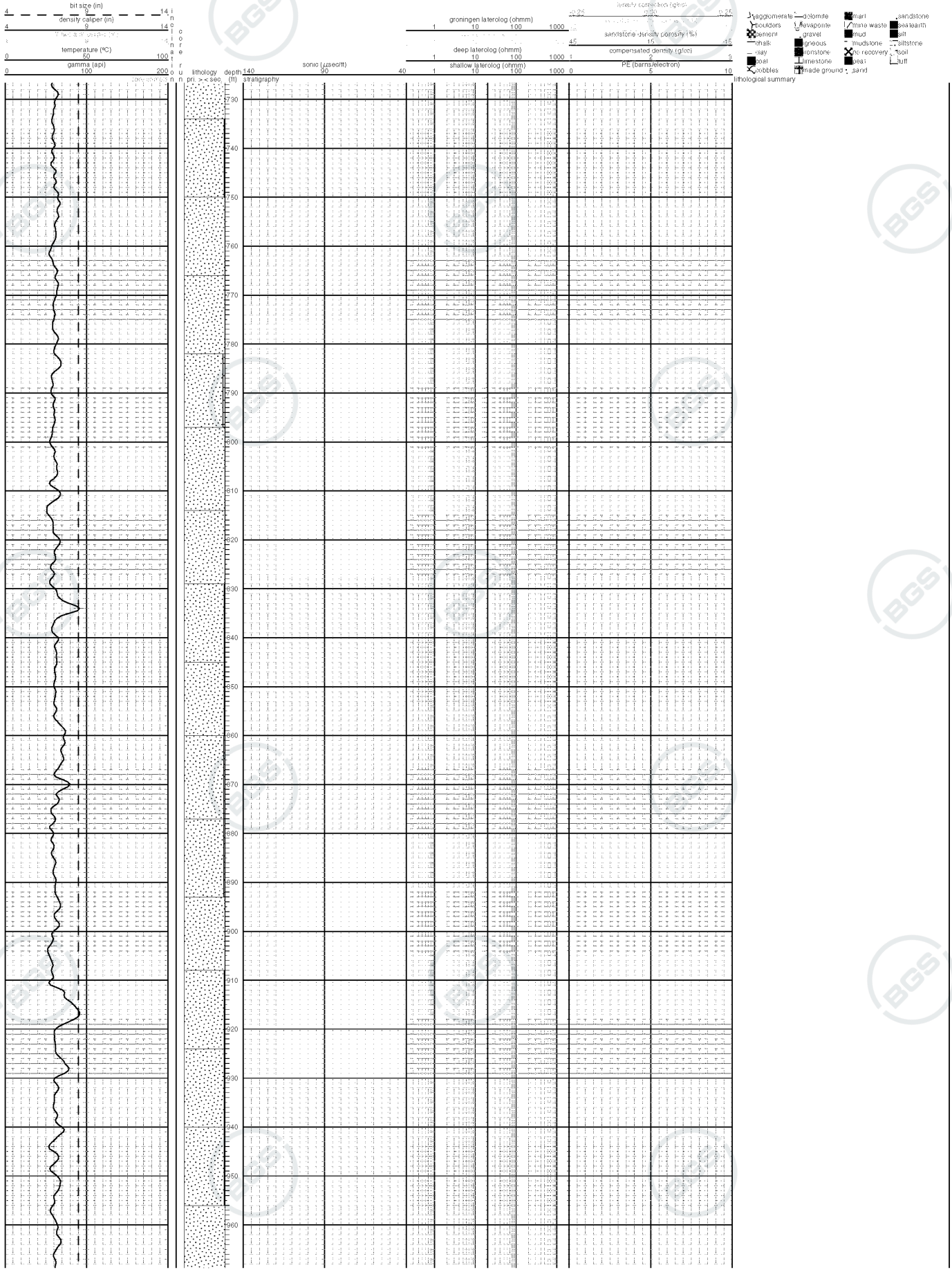
ALTHORPE 1 Composite Log
1:200

Well: Althorpe 1 (L46/12-8)
Well Type: Vertical
Operator: Composite Energy Ltd
Drilling Company: Geometric Drilling Ltd
Wireline Contractor: Weatherford

Location: East Midlands Coalfield, on-shore UK
Licence: PEDL173
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3.00ft AMSL
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Composite energy Ltd



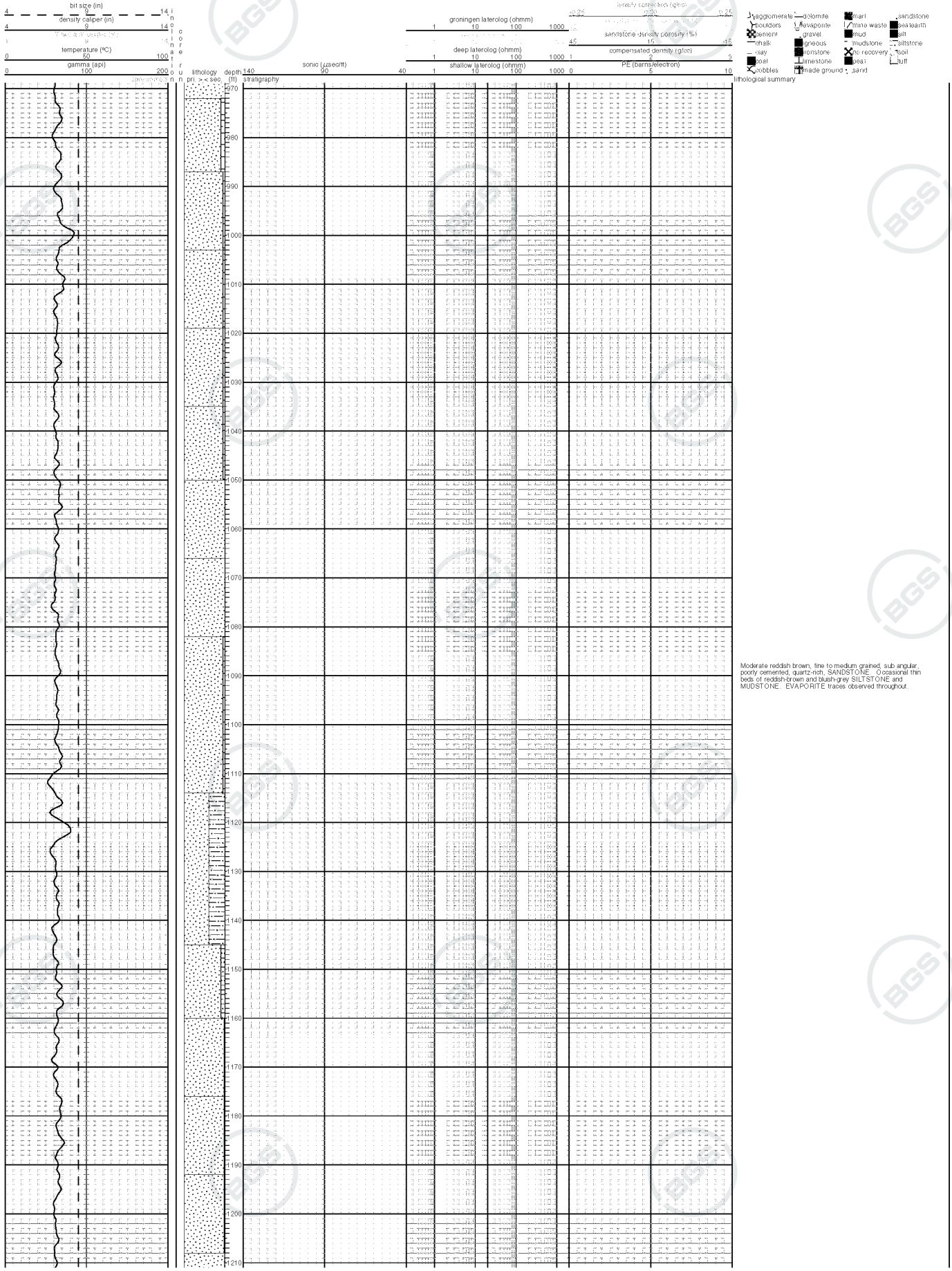
ALTHORPE 1 Composite Log
1:200

Well: Althorpe 1 (L46/12-8)
Well Type: Vertical
Operator: Composite Energy Ltd
Drilling Company: Geometric Drilling Ltd
Wireline Contractor: Weatherford

Location: East Midlands Coalfield, on-shore UK
Licence: PEDL173
Field: Althorpe
Well Location: 481398.00mE, 409417.00mN
3.00ft AMSL
Spud Date: 07/06/2009

Rig: HH102A
Datum: Rotary Table
Datum - Sea Level: 19.40ft
Datum - Ground Level: 16.60ft
Total Depth: 4344.00 ftBRT
Max Recorded Deviation: ~1.50° at 4310.00ft

Composite energy Ltd



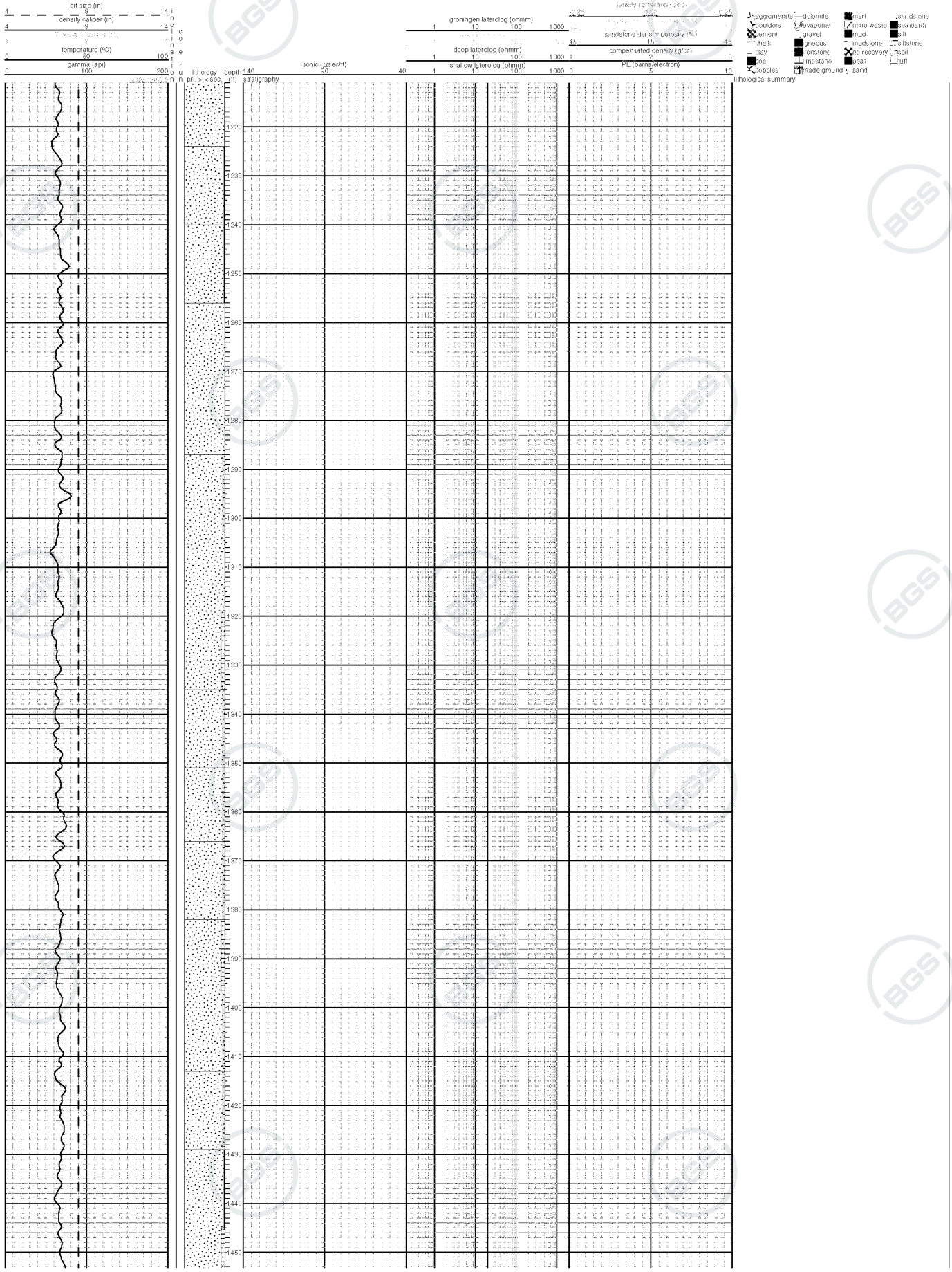
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Wireline Contractor: Weatherford

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3.00ft AMSL
Spud Date: 07/06/2009

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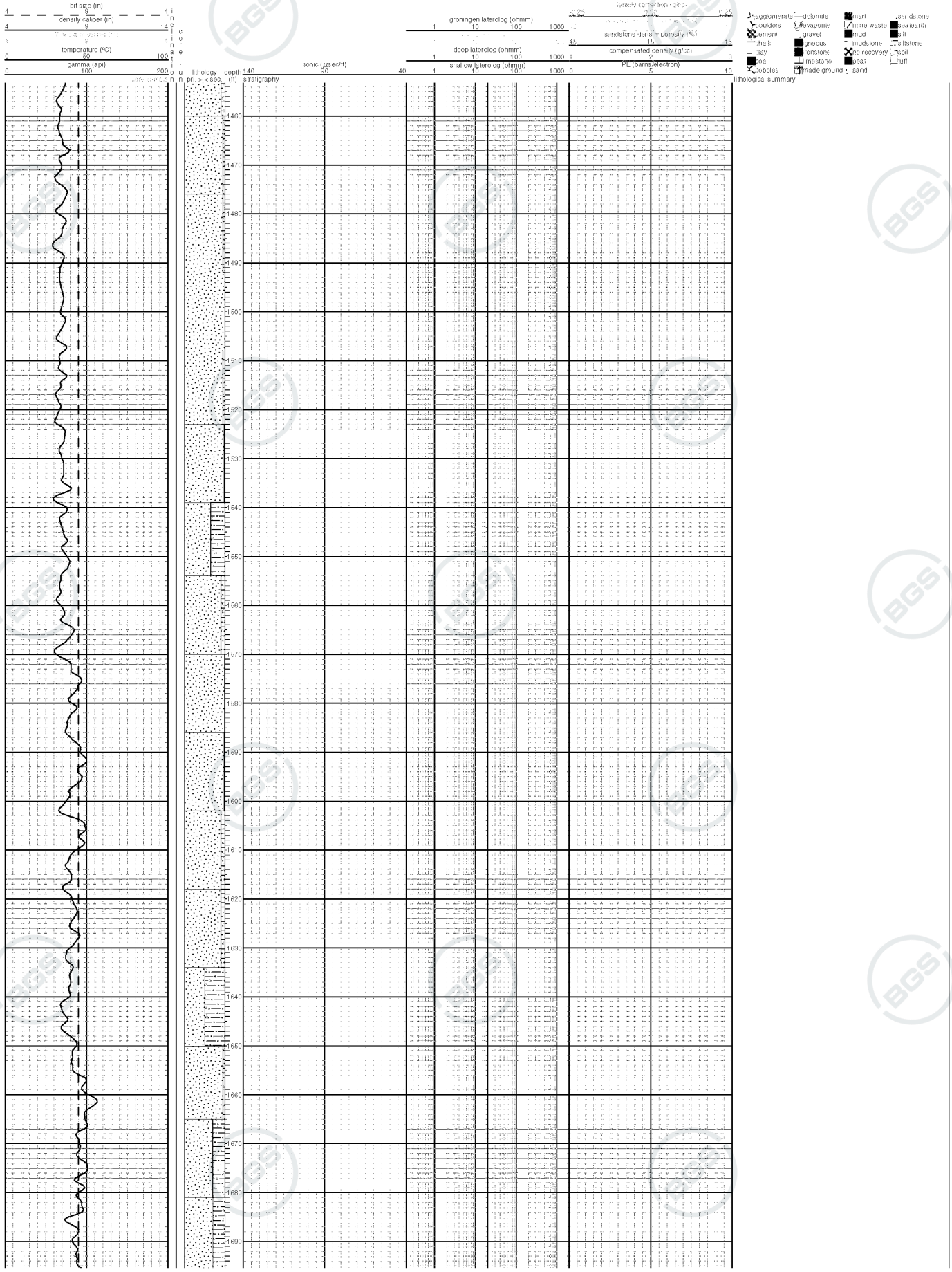
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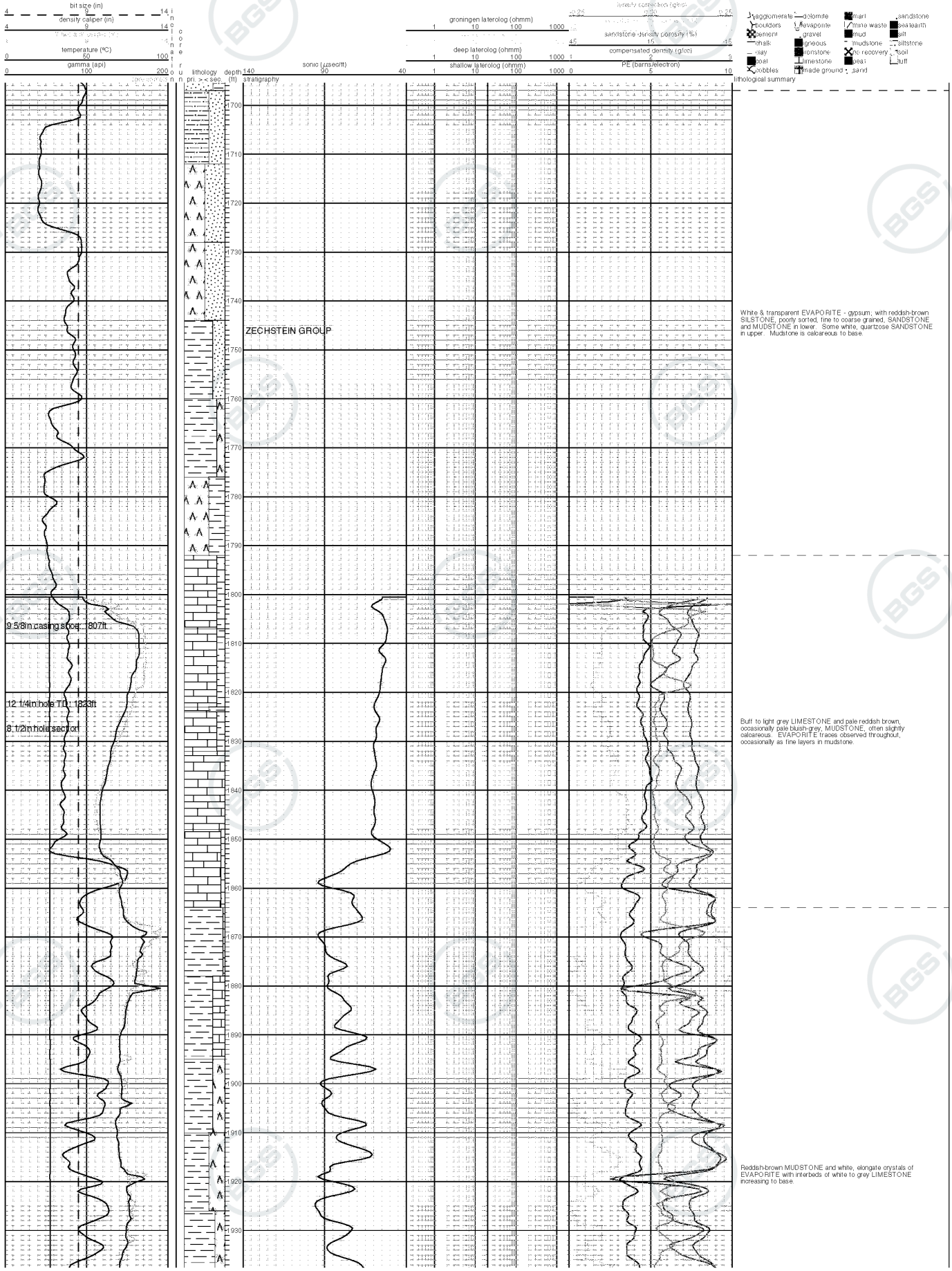
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British Geological Survey

BGS ID: 18407556 : BGS Reference: SE80NW100
British National Grid (27700) : 481398,409417

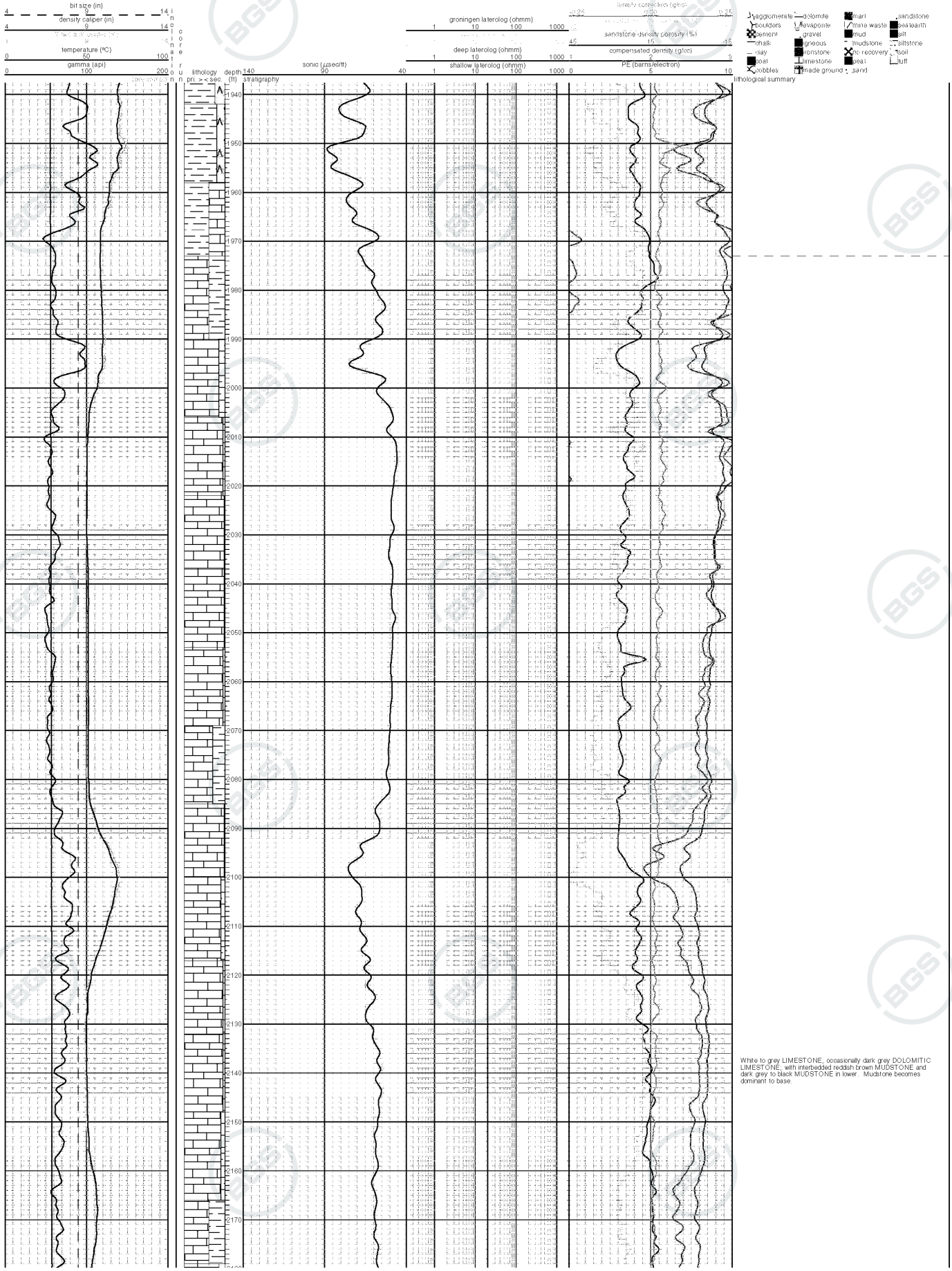
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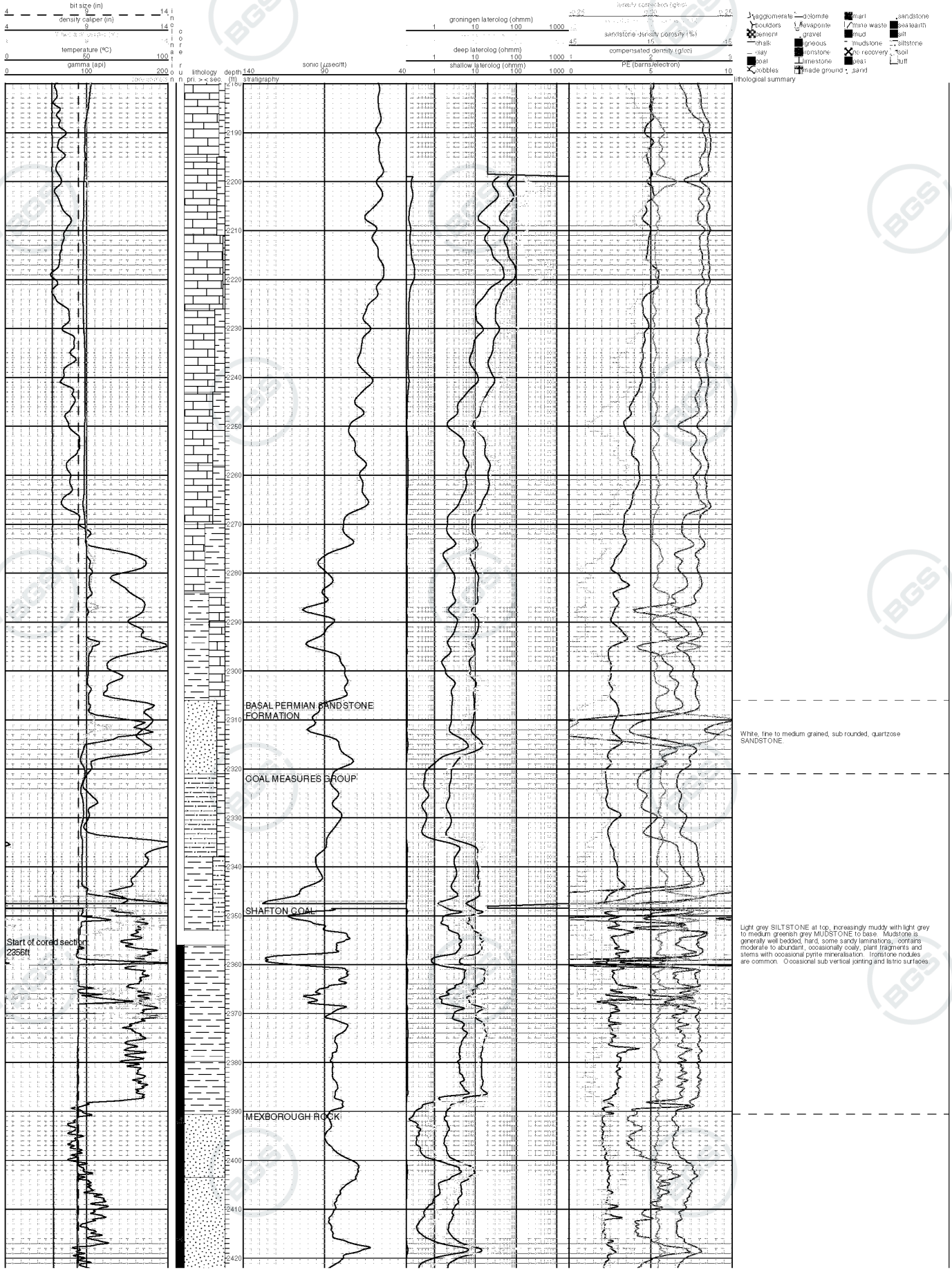
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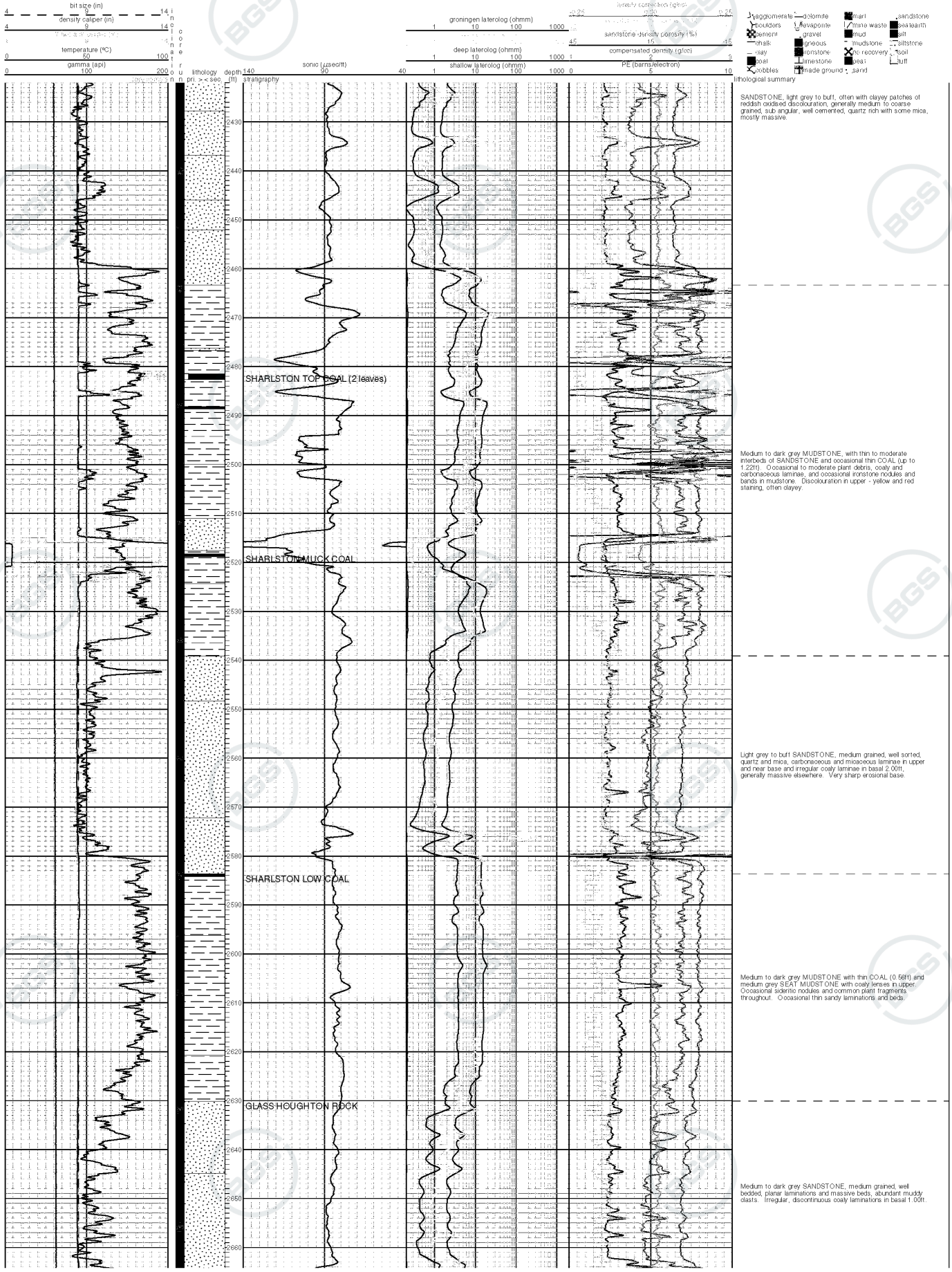
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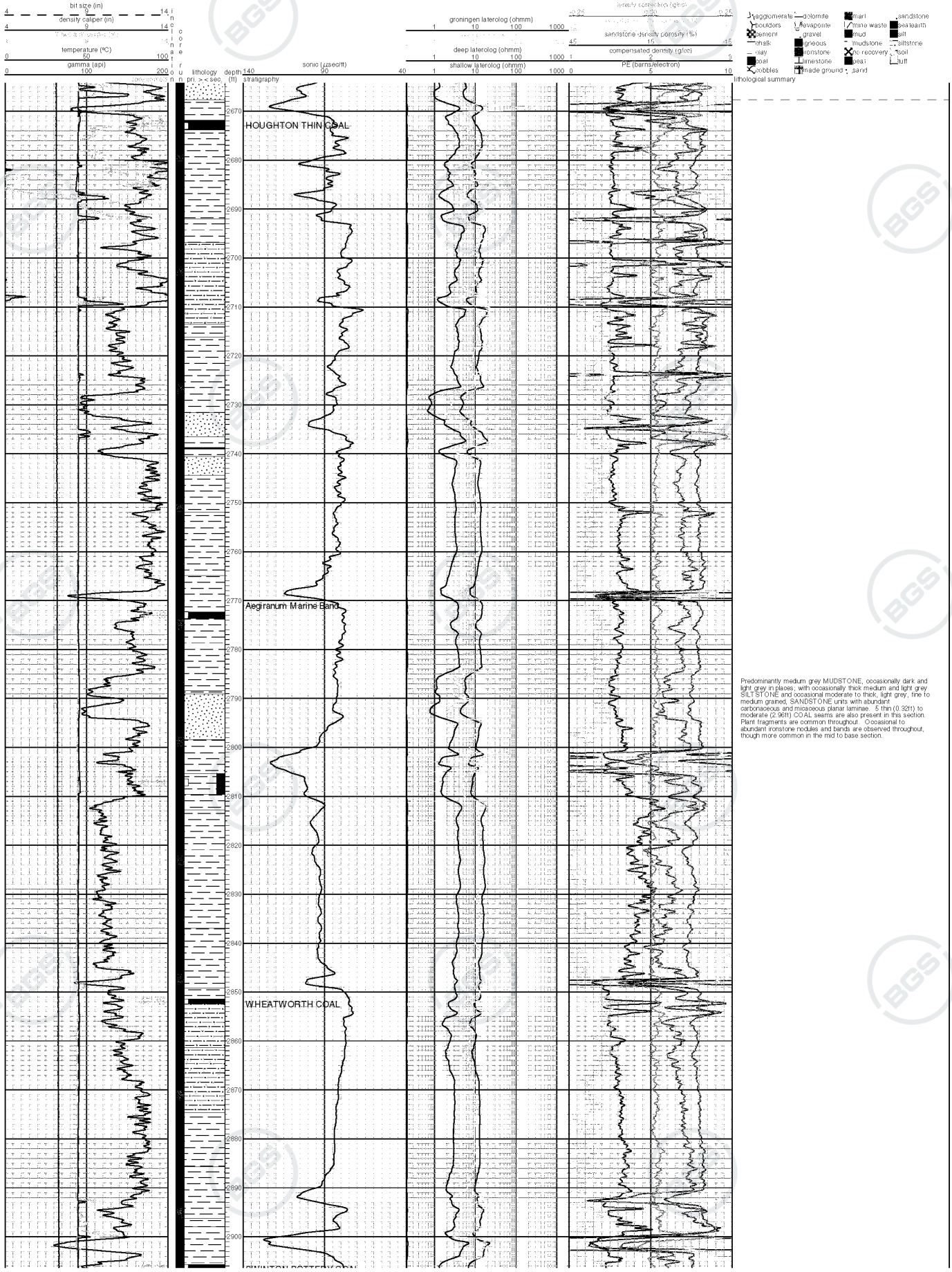
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Predominantly medium grey MUDSTONE, occasionally dark and light grey in places, with occasionally thick medium and light grey SILTSTONE and occasional moderate to thick, light grey, fine to medium grained, SANDSTONE units with abundant carbonaceous and micaceous planar laminae. 5 thin (0.32ft) to moderate (2.96ft) COAL seams are also present in this section. Plant fragments are common throughout. Occasional to abundant ironstone nodules and bands are observed throughout, though more common in the mid to base section.

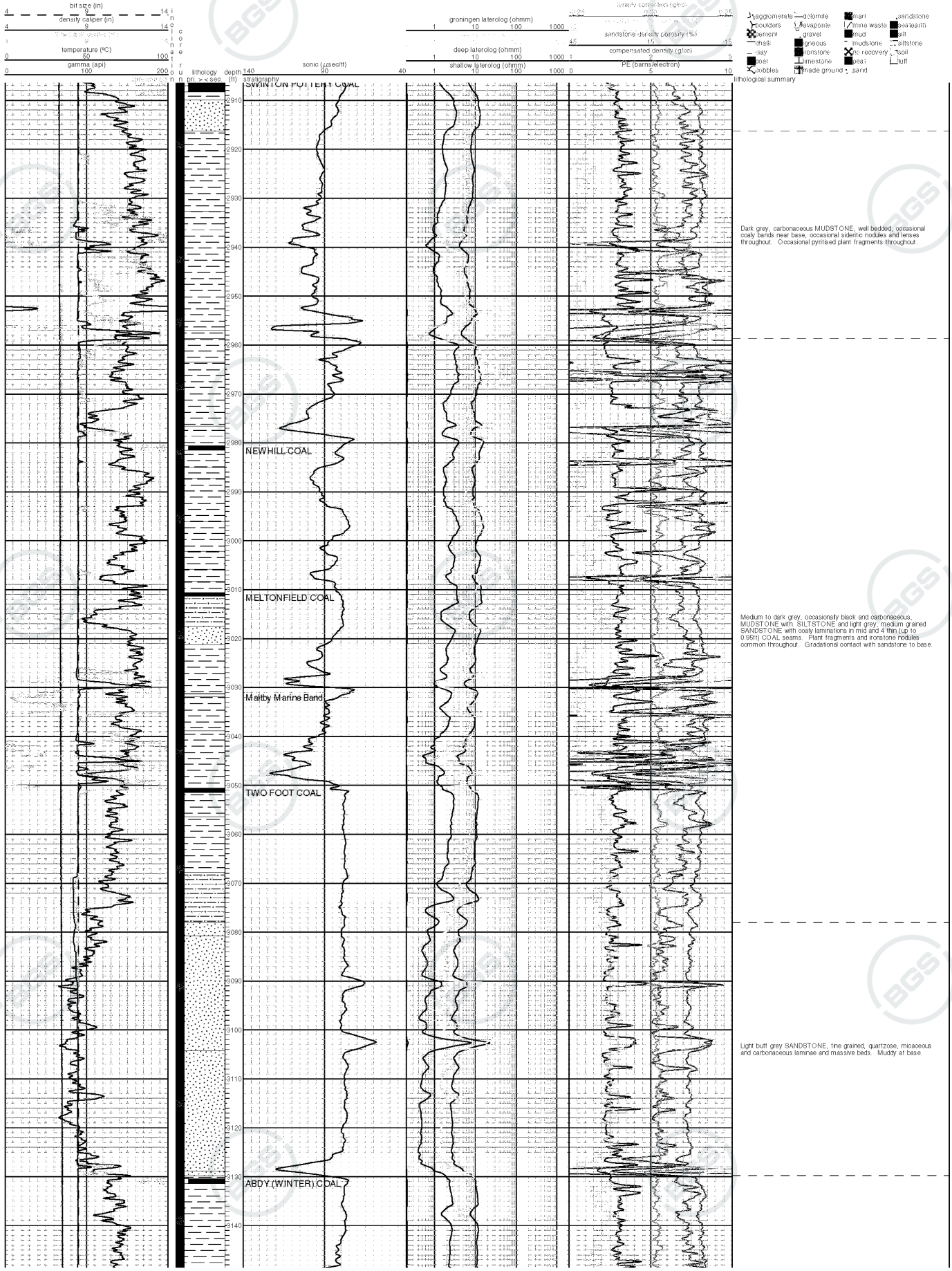
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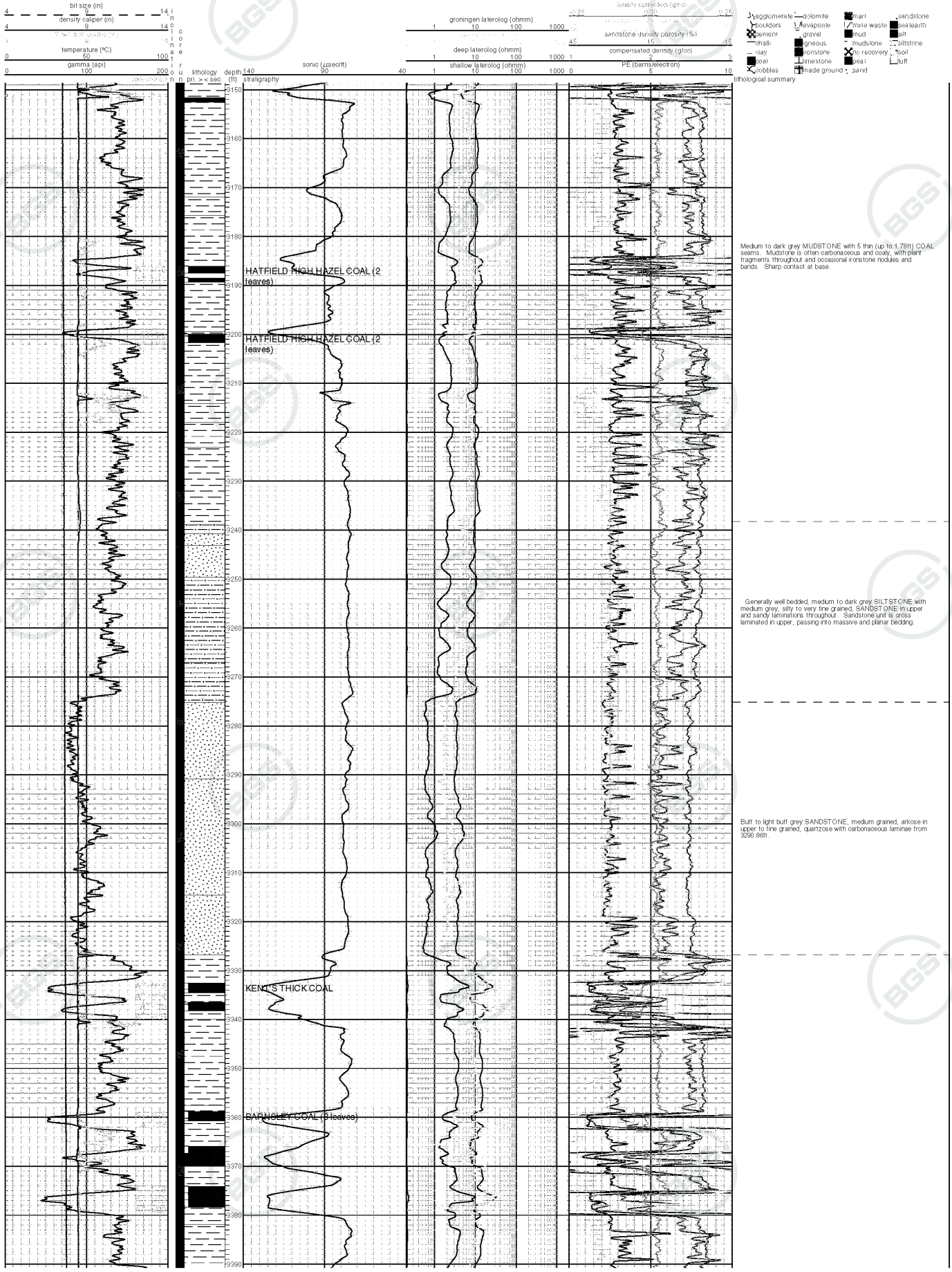
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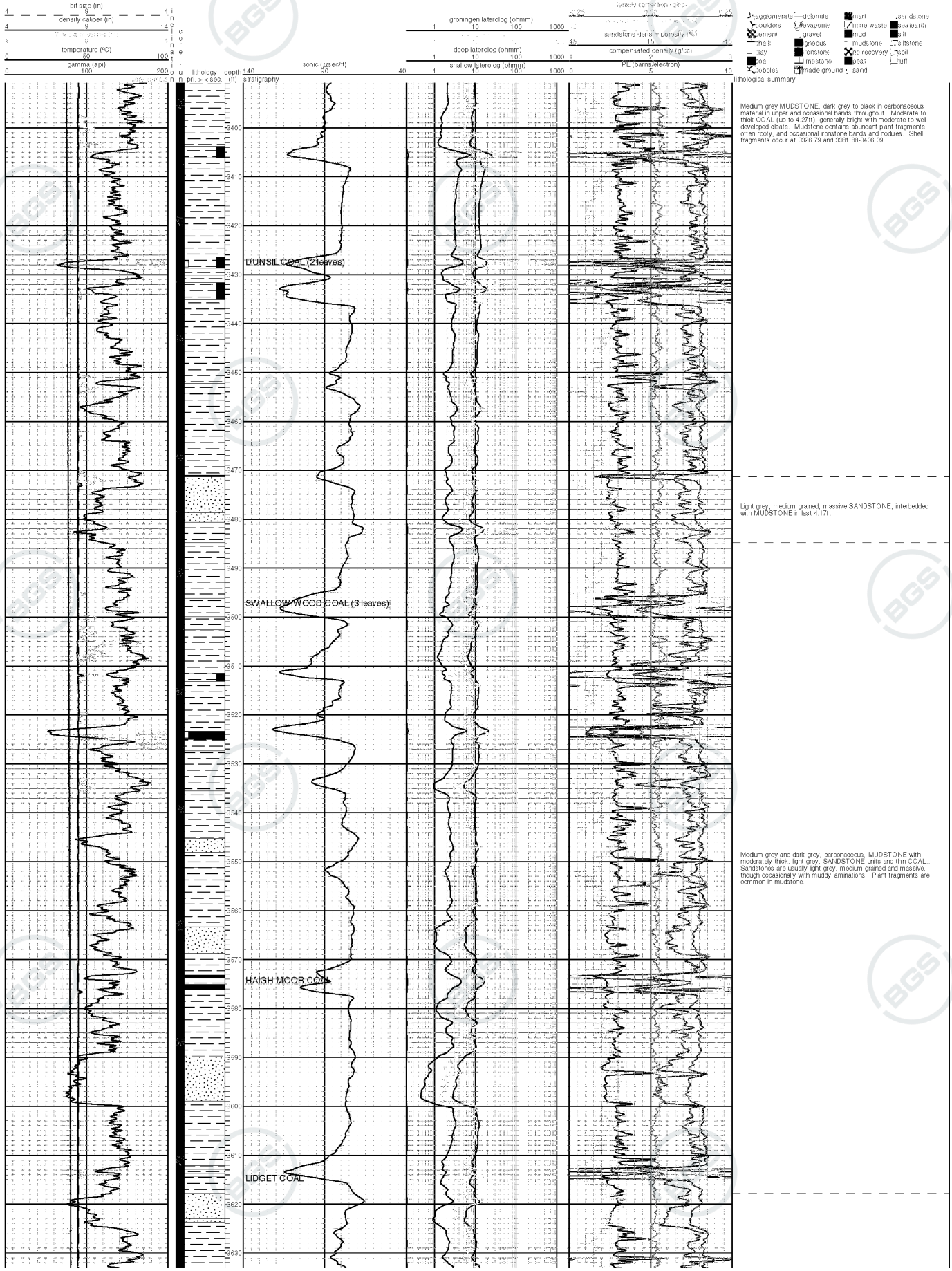
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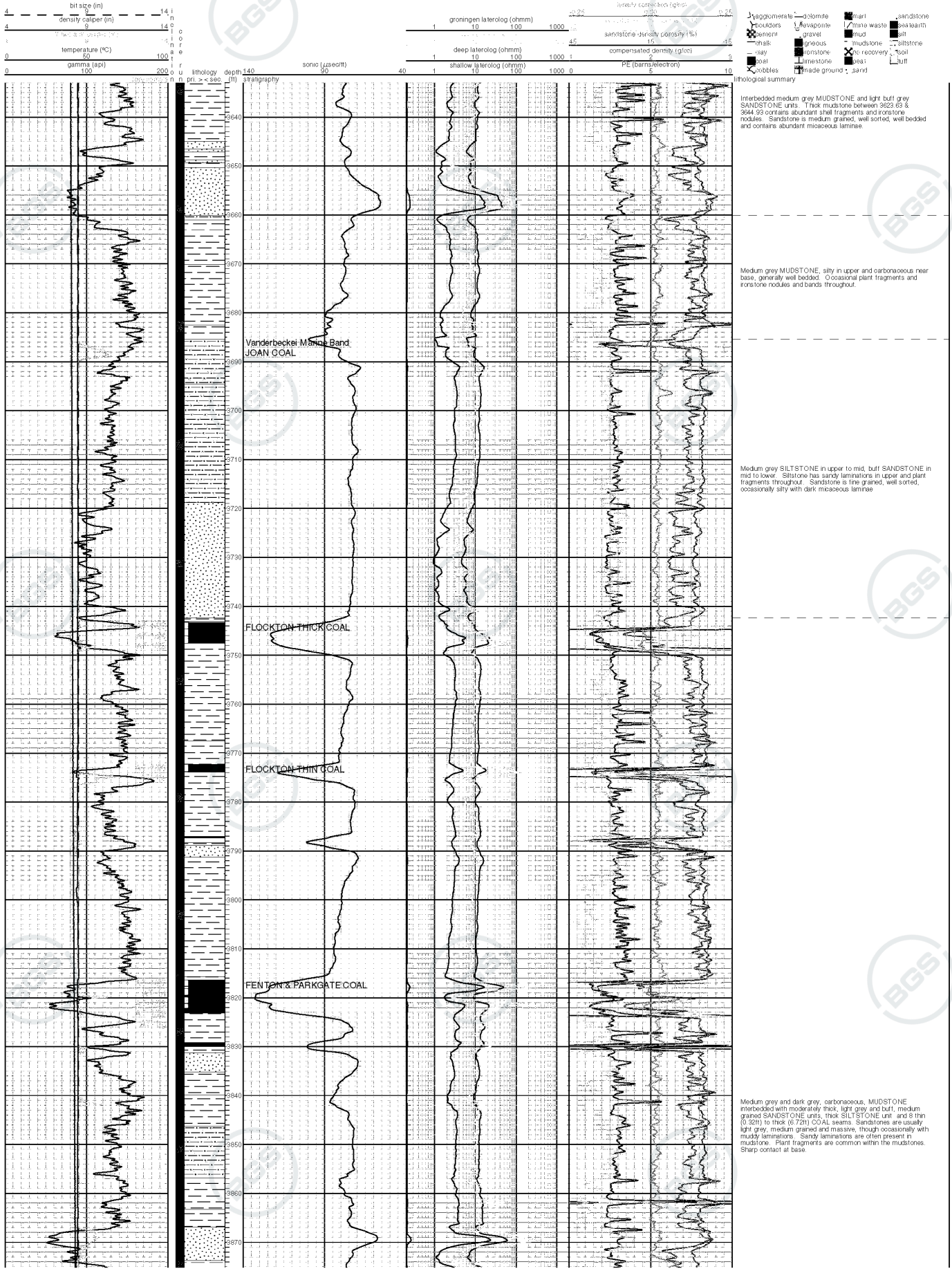
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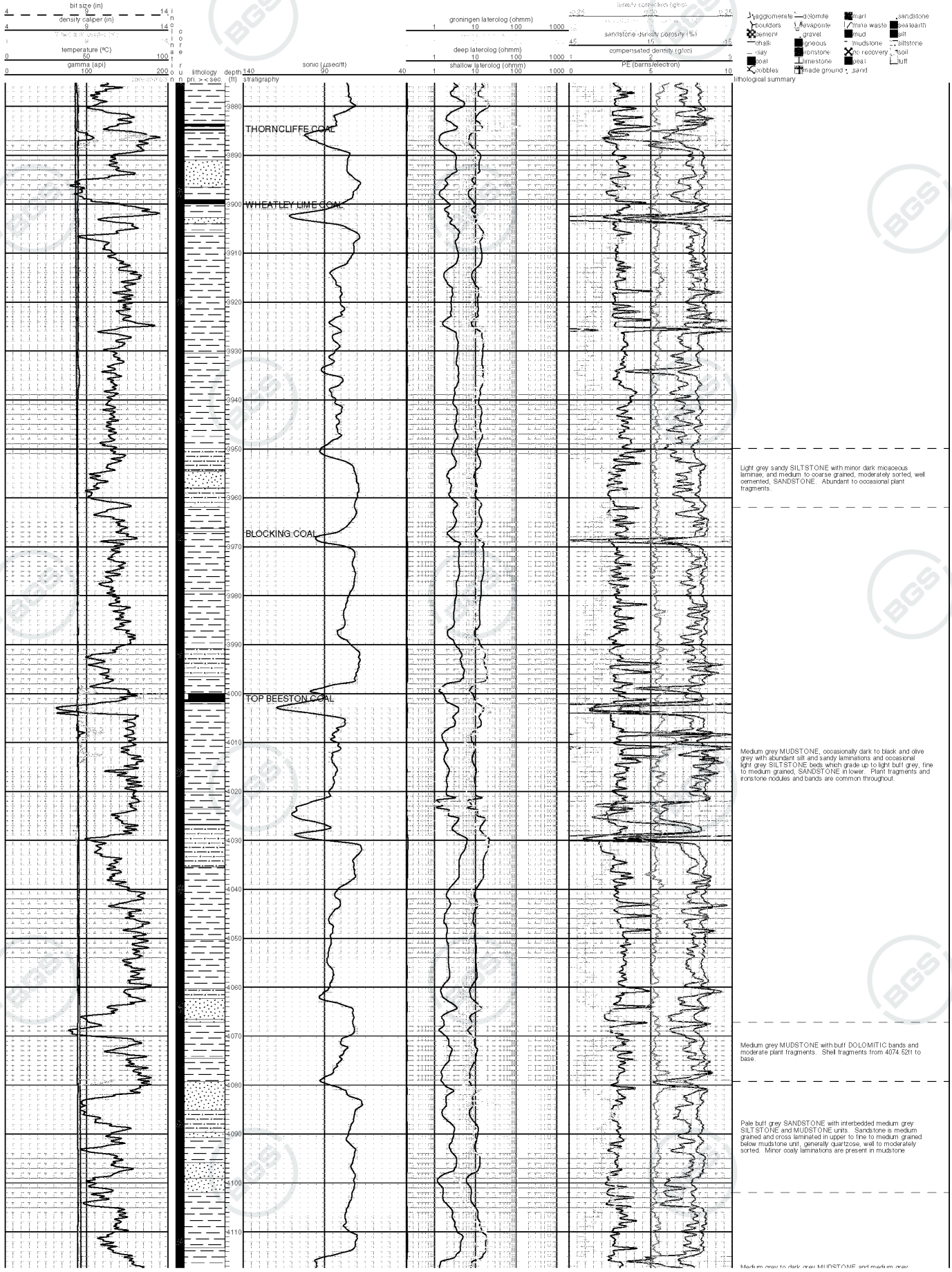
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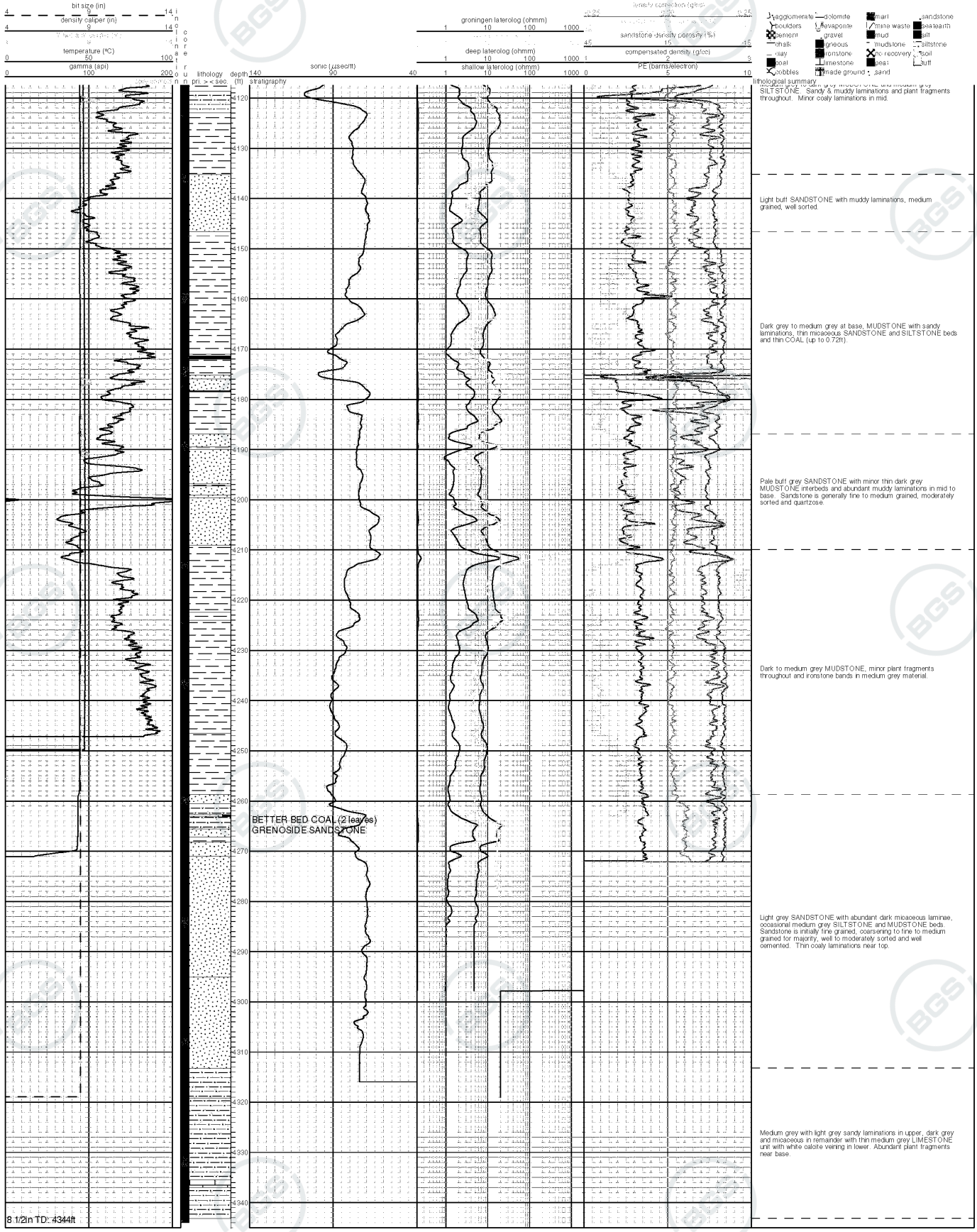
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APPENDIX F
TECHNICAL BACKGROUND

Desk Study

Aquifer designation and Source protection zones (England and Wales)

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

Future climate change considerations

Several data sources, based on UKCP18 data, are available with which climate change projections can be viewed. These are detailed in the following table. In order to enable a consistent approach in our risk assessment we have based our initial assessment on data available for RCP8.5 data for the far future (2080s) for an initial conservative risk screen.

Climate change induced effect	Source	Notes	Comment
Temperature	**https://uk-cri.org**	RCP 8.5 average temperature maps for far future (2071-2100), UKCP18 Regional, median, 12 x 12 km spatial resolution	Anticipated to be conservative. It has been assumed that a change of +/- 5% is unlikely to have a significant impact
Rainfall/ recharge	**https://uk-cri.org**	RCP 8.5 annual rainfall for far future (2017-2100), UKCP18 Regional, median, 12 x	Anticipated to be conservative. It is anticipated that a change of +/- 5% is unlikely to have a significant impact for all sites. If a site is located in an urban

Climate change induced effect	Source	Notes	Comment
		12 km or Local Authority spatial resolution	area away from sensitive dependent receptors then a change of +/- 10% is unlikely to have a significant impact.
Flood risk maps for England/ Wales/ Scotland	https://check-long-term-flood-risk.service.gov.uk/risk (England), **https://flood-map-for-planning.naturalresources.wales** (Wales), https://map.sepa.org.uk/floodmaps/FloodRisk/FutureFloodMaps (Scotland)	Future flood maps are only available for England and Scotland.	Identify areas likely to be affected or at an increased risk from future flooding
Coastal erosion	**https://www.gov.uk/check-coastal-erosion-management-in-your-area** (England), **https://naturalresources.wales/flooding/check-your-coastal-erosion-risk-national-coastal-erosion-risk-management-map/?lang=en** (Wales), https://www.dynamiccoast.com/webmaps (Scotland)		Predicted coastal erosion rates. Includes for potential future scenarios to show how erosion may increase with rising sea levels because of climate change based on UKCP18 projections for a high missions scenario.
Shrink and swell potential	BGS Geoindex layer for GeoClimate UKCP18	GeoClimate UKCP18 (2030 to 2070)	Impossible, possible or probable that foundations will be affected by increased clay-shrink-swell

Preliminary risk assessment methodology

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term

- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

RSK also adopt a 'very unlikely' probability to account for where there may be increased certainty over whether an event is probable in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the following:

		Consequences			
		Severe	**Medium**	**Mild**	**Minor**
Probability	**Highly likely**	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low
	Very Unlikely	Low	Very Low	Negligible	Negligible

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required

- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.