

Preliminary Environmental Information Report

Volume 2: Chapter 9 Figures

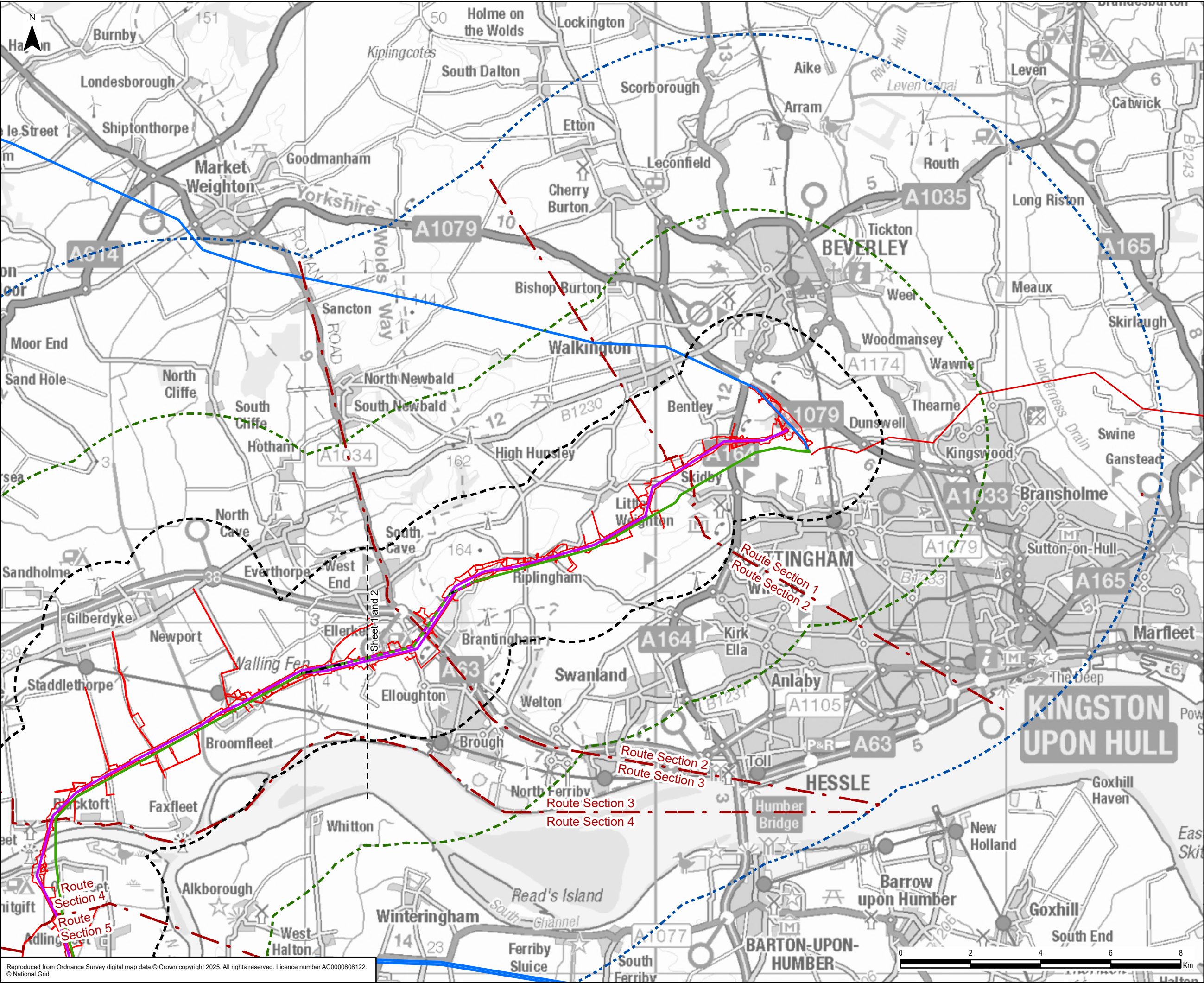
February 2025



The Great Grid Upgrade

North Humber to High Marnham

nationalgrid



Legend

Draft Order Limits

Proposed Substation Works

2 km Study Area

5 km Study Area

10 km Study Area

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

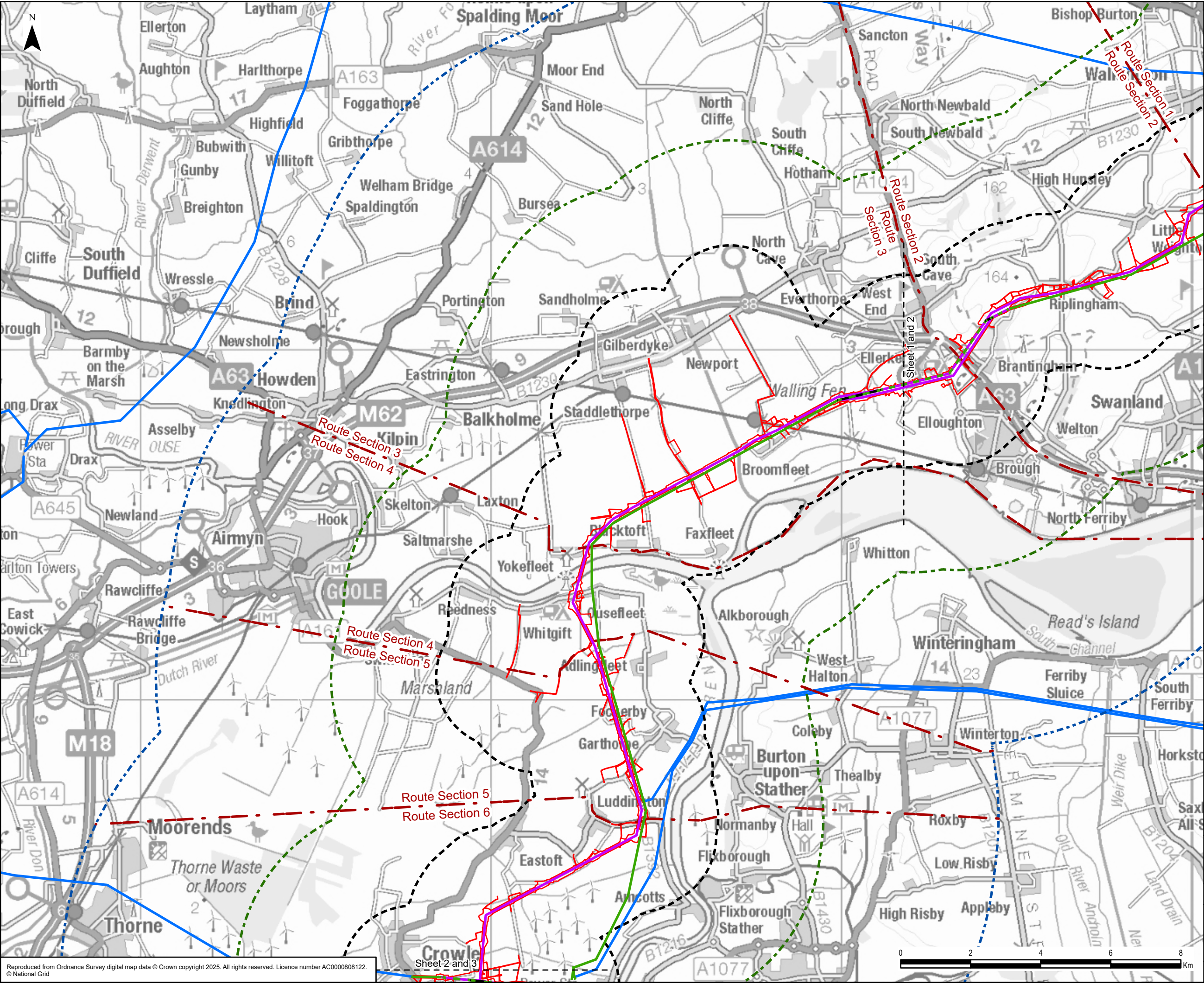
Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

0.1	24/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.1 - STUDY AREAS					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
Figure Ref: 9.1	Scale: 1:100,000	Format: A3	Sheets: 1 of 4	Rev: 0.1	

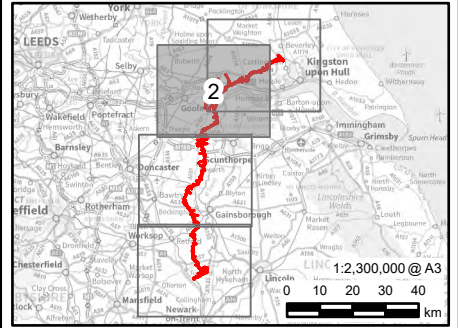
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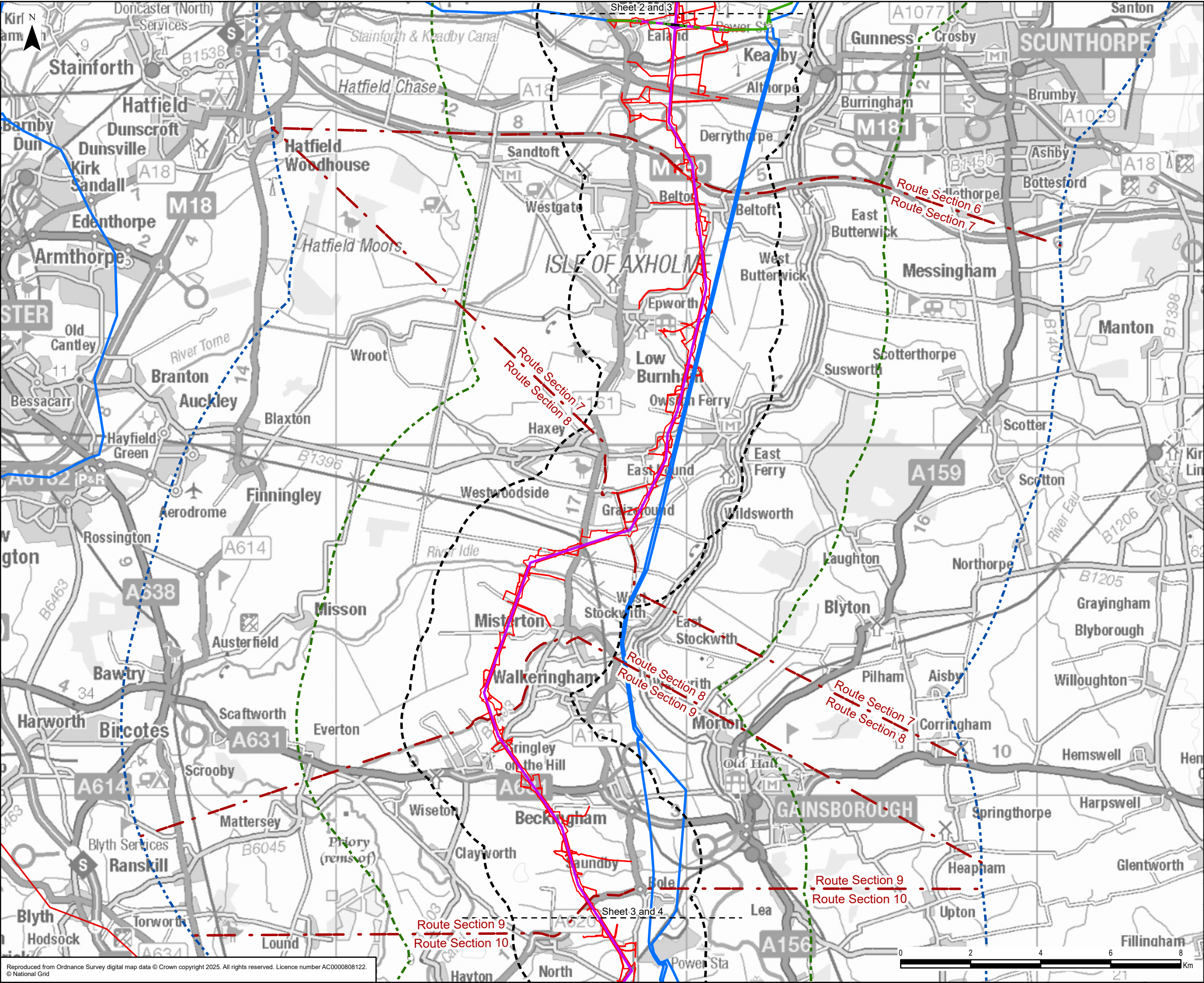


Legend

- Draft Order Limits
- 2 km Study Area
- 5 km Study Area
- 10 km Study Area
- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconstructed
- Existing Overhead Line to be Dismantled



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nationalgrid					
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Figure Title: FIGURE 9.1 - STUDY AREAS					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
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Legend

Draft Order Limits

2 km Study Area

5 km Study Area

10 km Study Area

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

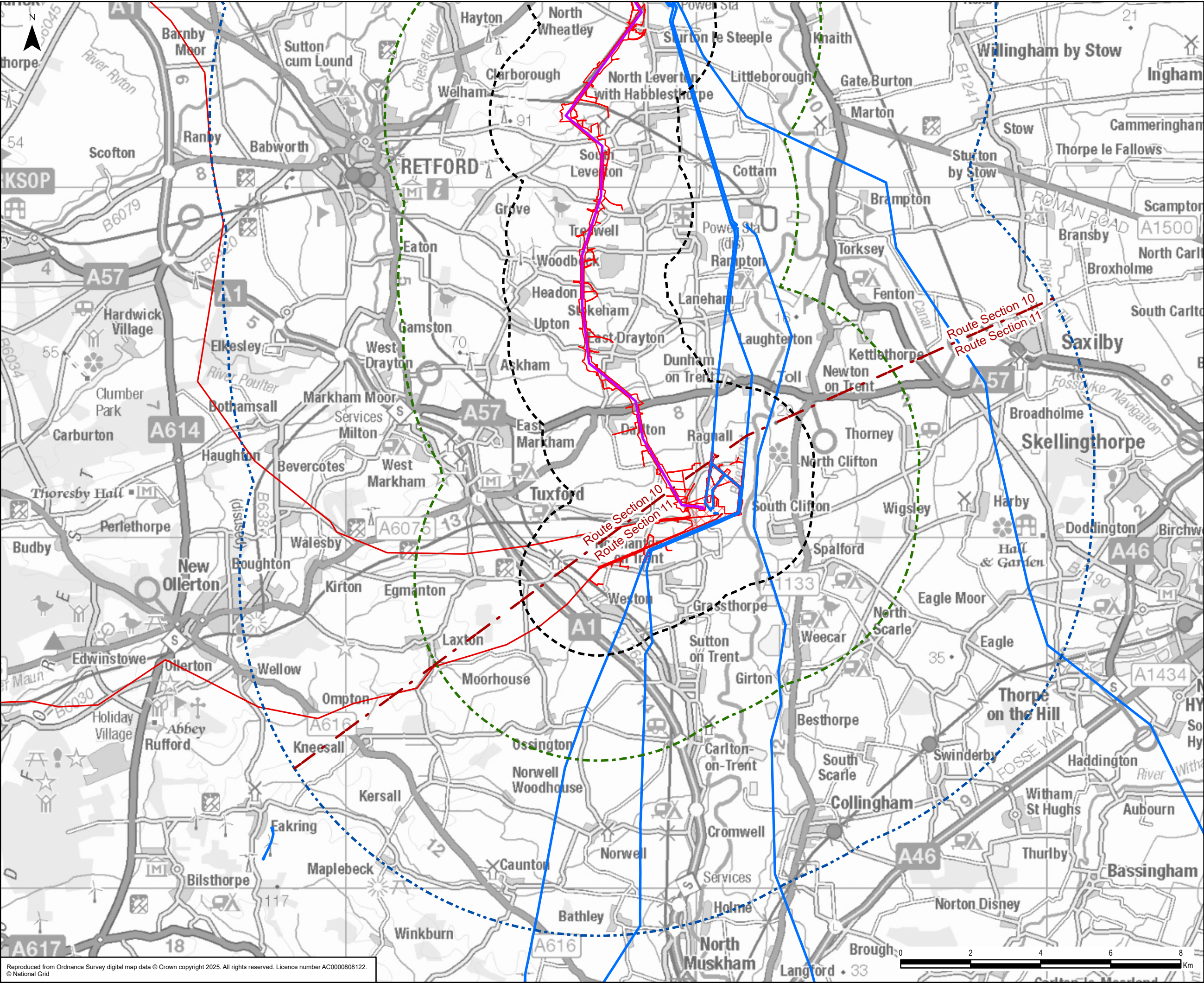
Existing Overhead Line to be Reconductored

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Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.1 - STUDY AREAS					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
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Legend

Draft Order Limits

Proposed Substation Works

2 km Study Area

5 km Study Area

10 km Study Area

Route Section

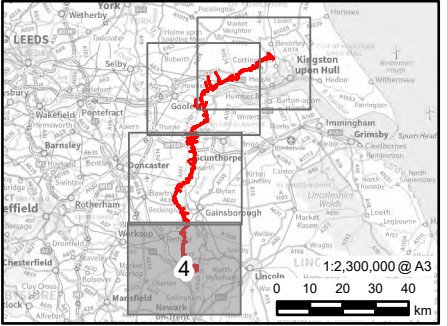
Existing Overhead Line

275 kV

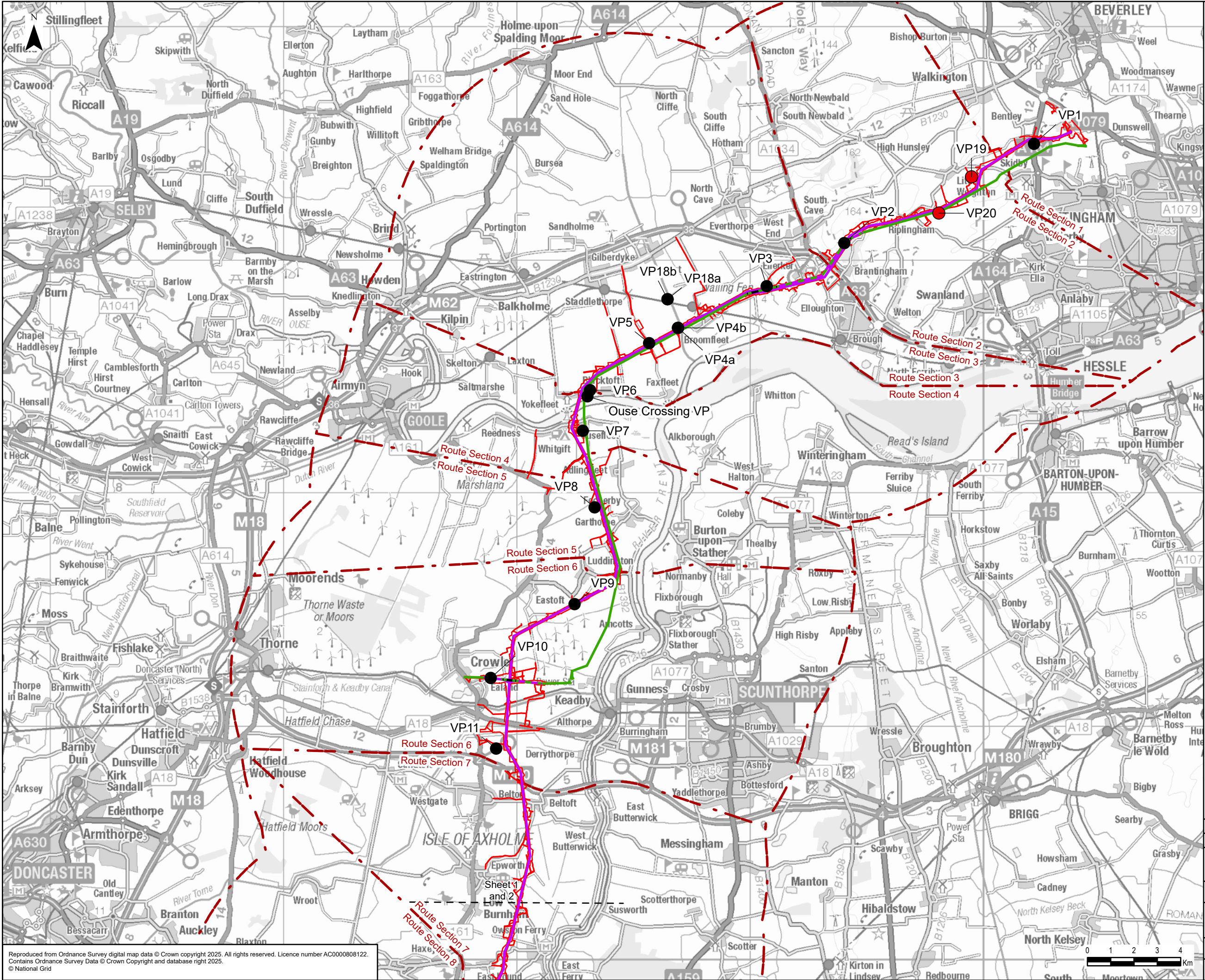
400 kV

Proposed Project Design Details

Indicative New Overhead Line



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Figure Title: FIGURE 9.1 - STUDY AREAS					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
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Legend

- Draft Order Limits
- Proposed Substation Works
- Route Section

Proposed Project Design Details

- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled

Ornithology Data

- Vantage Point (VP) - Data presented in the Preliminary Environmental Information Report (PEIR)
- VP - Data not available for the PEIR

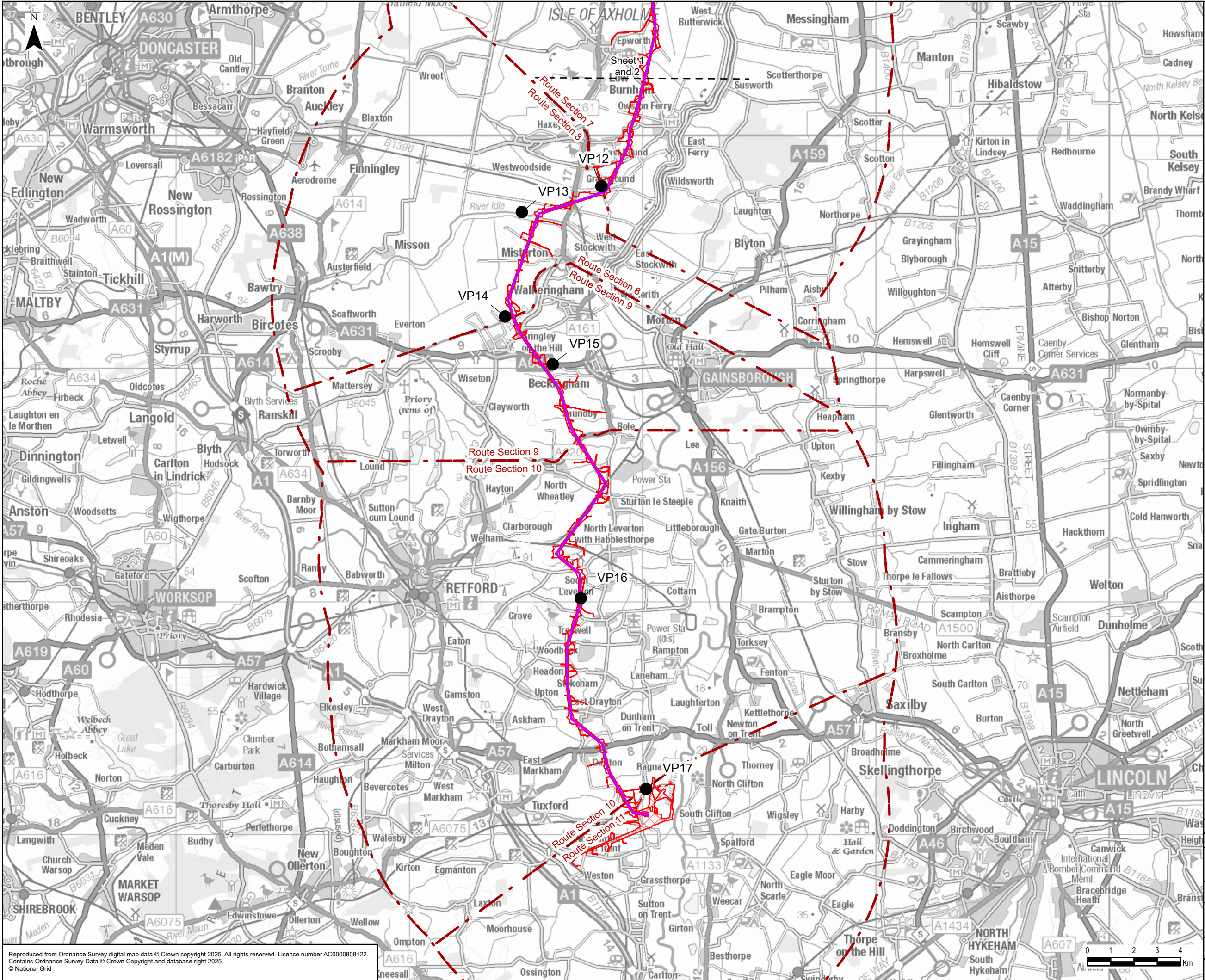
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 9.2 - VANTAGE POINT LOCATIONS

Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
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Legend

Draft Order Limits

Proposed Substation Works

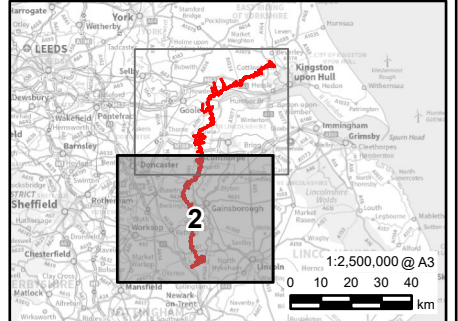
Route Section

Proposed Project Design Details

Indicative New Overhead Line

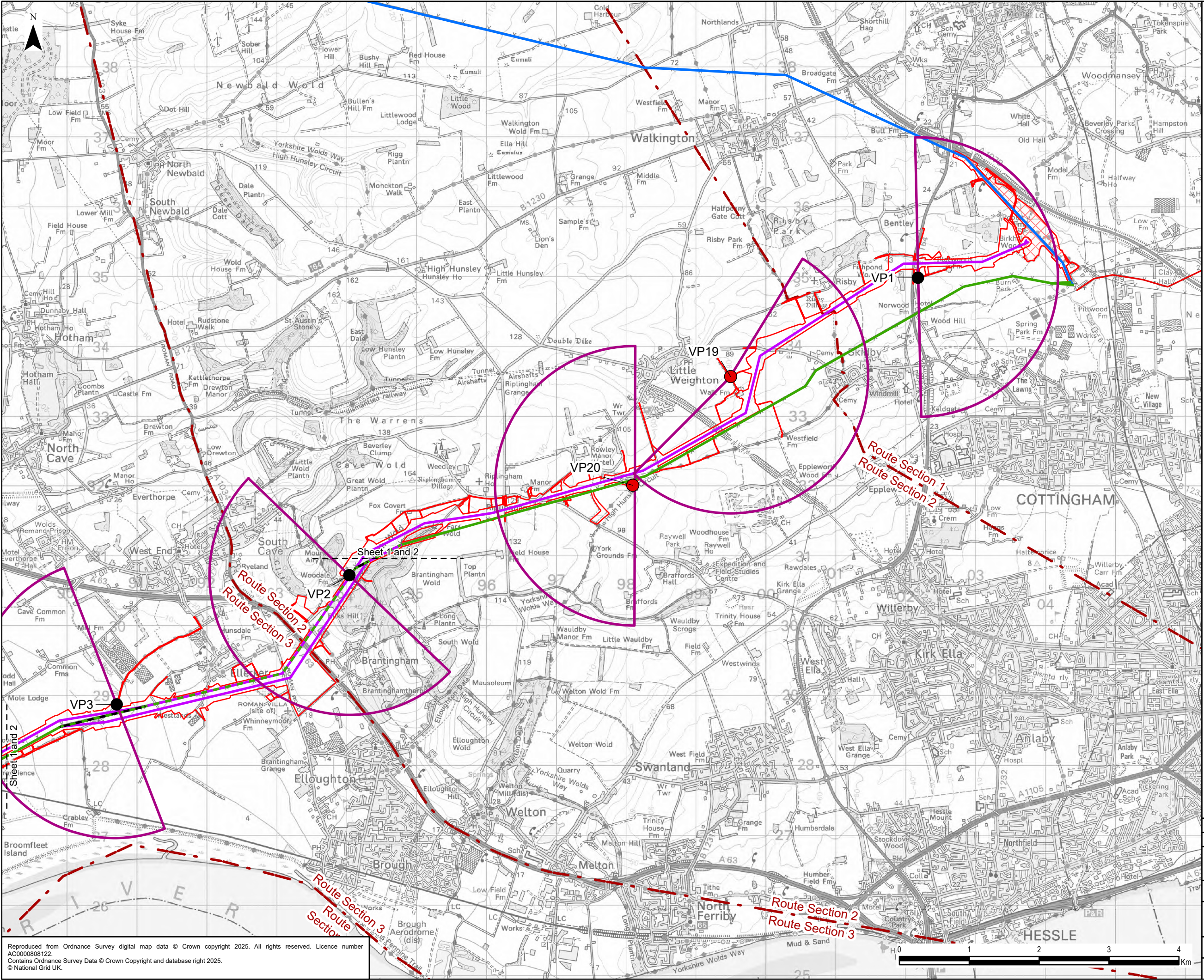
Ornithology Data

Vantage Point (VP) - Data presented in the Preliminary Environmental Information Report (PEIR)



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Figure Title: FIGURE 9.2 - VANTAGE POINT LOCATIONS					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
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Legend

Draft Order Limits

Proposed Substation Works

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

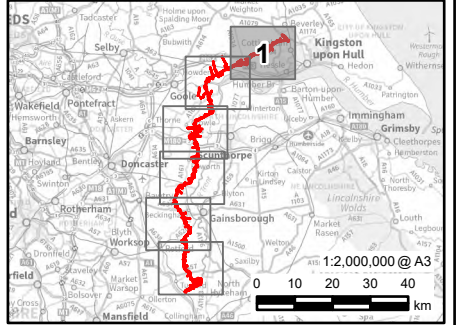
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Ornithology Data

Vantage Point (VP) - Data presented in the Preliminary Environmental Information Report (PEIR)

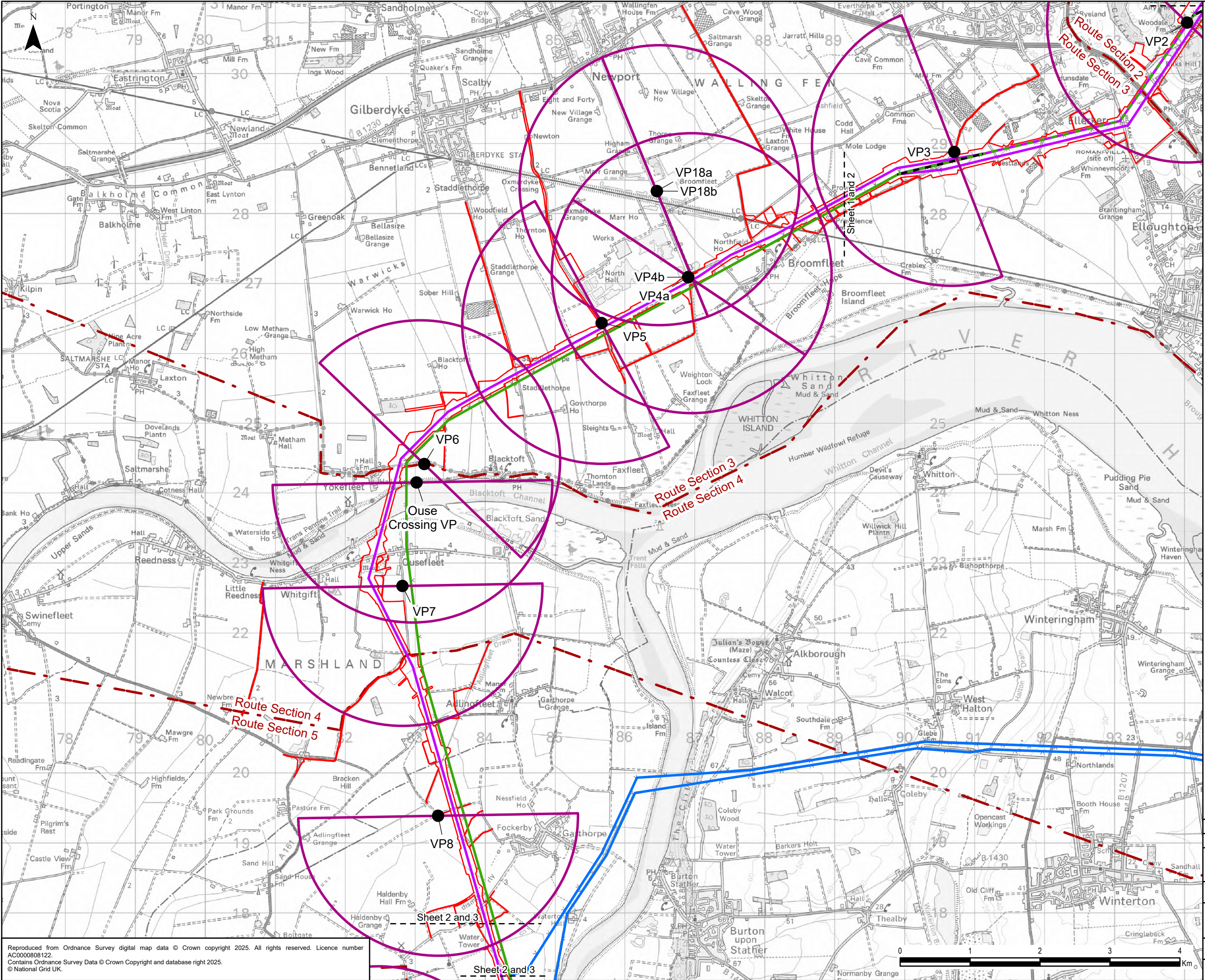
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VP Viewing Arc



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Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
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Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

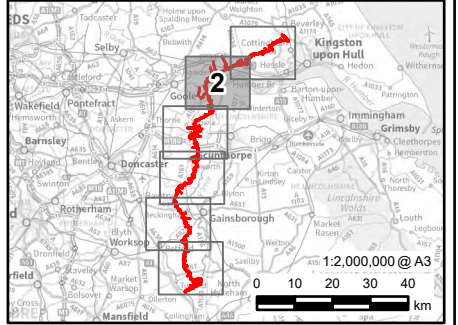
Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Ornithology Data

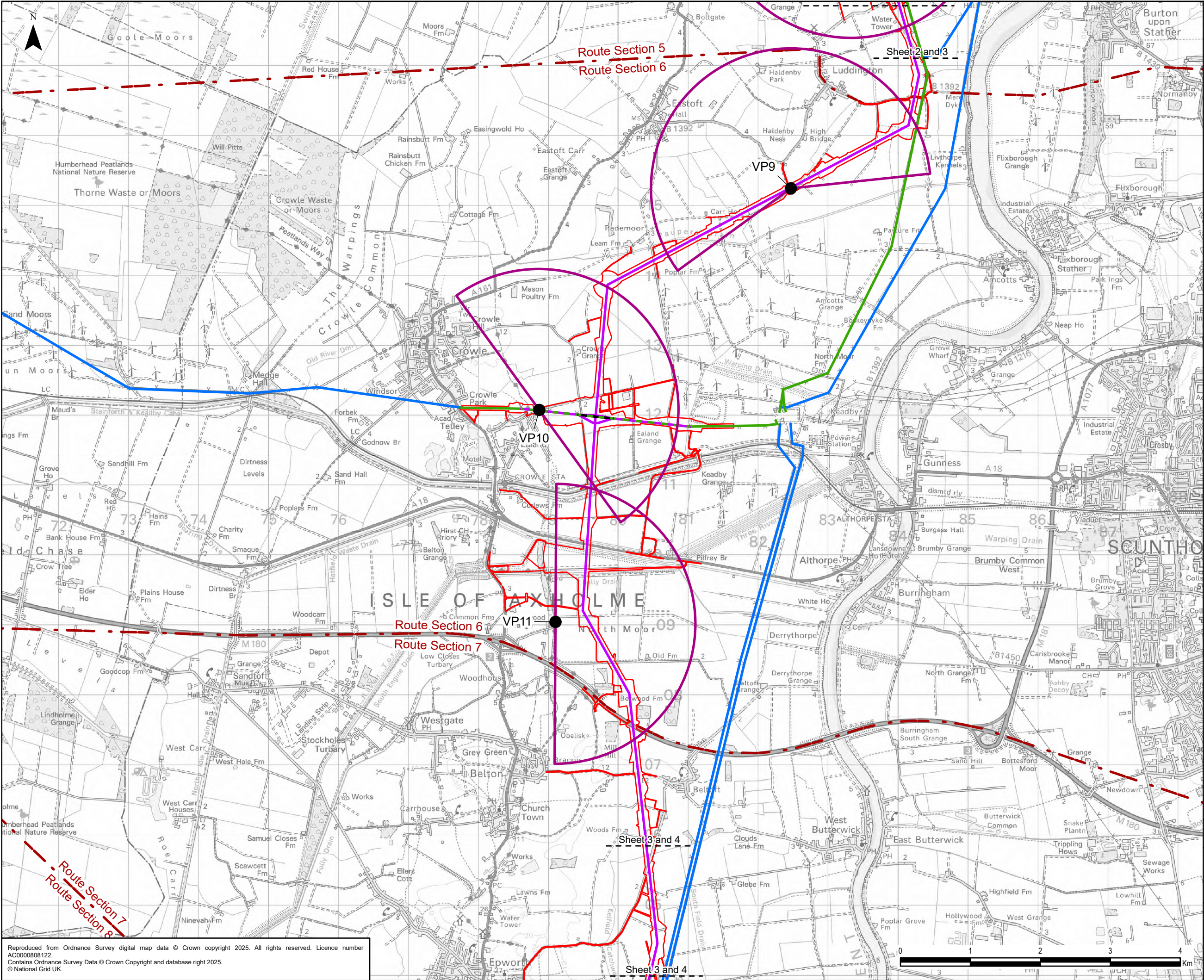
Vantage Point (VP) - Data presented in the Preliminary Environmental Information Report (PEIR)

VP Viewing Arc



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Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.3 - VANTAGE POINT VIEWING ARCS					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Ornithology Data

Vantage Point (VP) - Data presented in the Preliminary Environmental Information Report (PEIR)

VP Viewing Arc

0.1

24/01/2025

PEIR

MH

JG

RW

Rev

Date

Description

GIS

Chk

App

nationalgrid

Scheme:

NORTH HUMBER TO HIGH MARNHAM

Figure Title:

FIGURE 9.3 - VANTAGE POINT VIEWING ARCS

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24/01/2025

Checker:

JG

Date:

24/01/2025

Approver:

RW

Date:

24/01/2025

Figure Ref:

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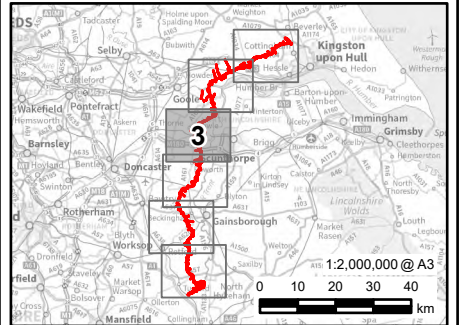
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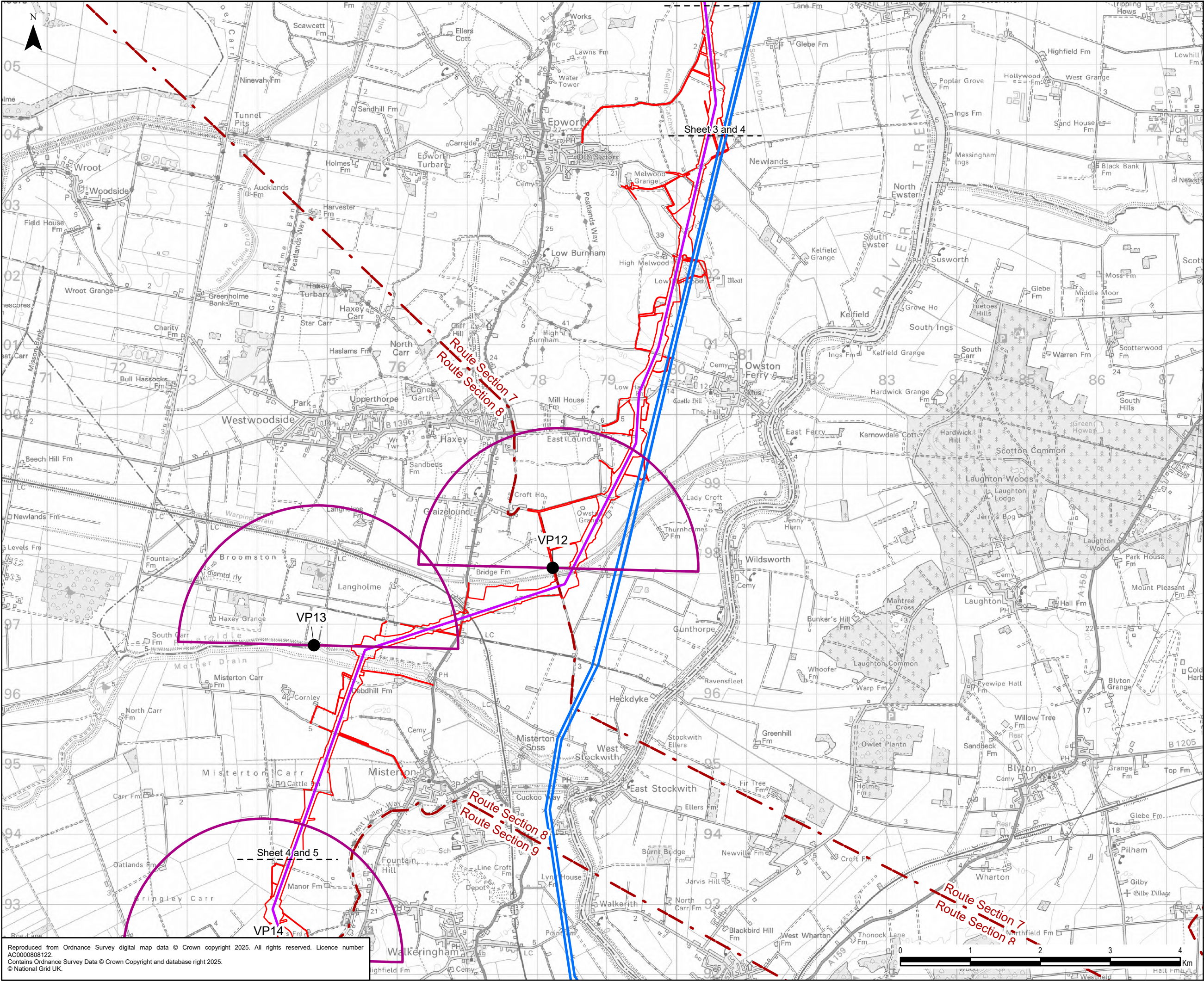
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Rev:

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Legend

- Draft Order Limits
- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Ornithology Data
- Vantage Point (VP) - Data presented in the Preliminary Environmental Information Report (PEIR)
- VP Viewing Arc

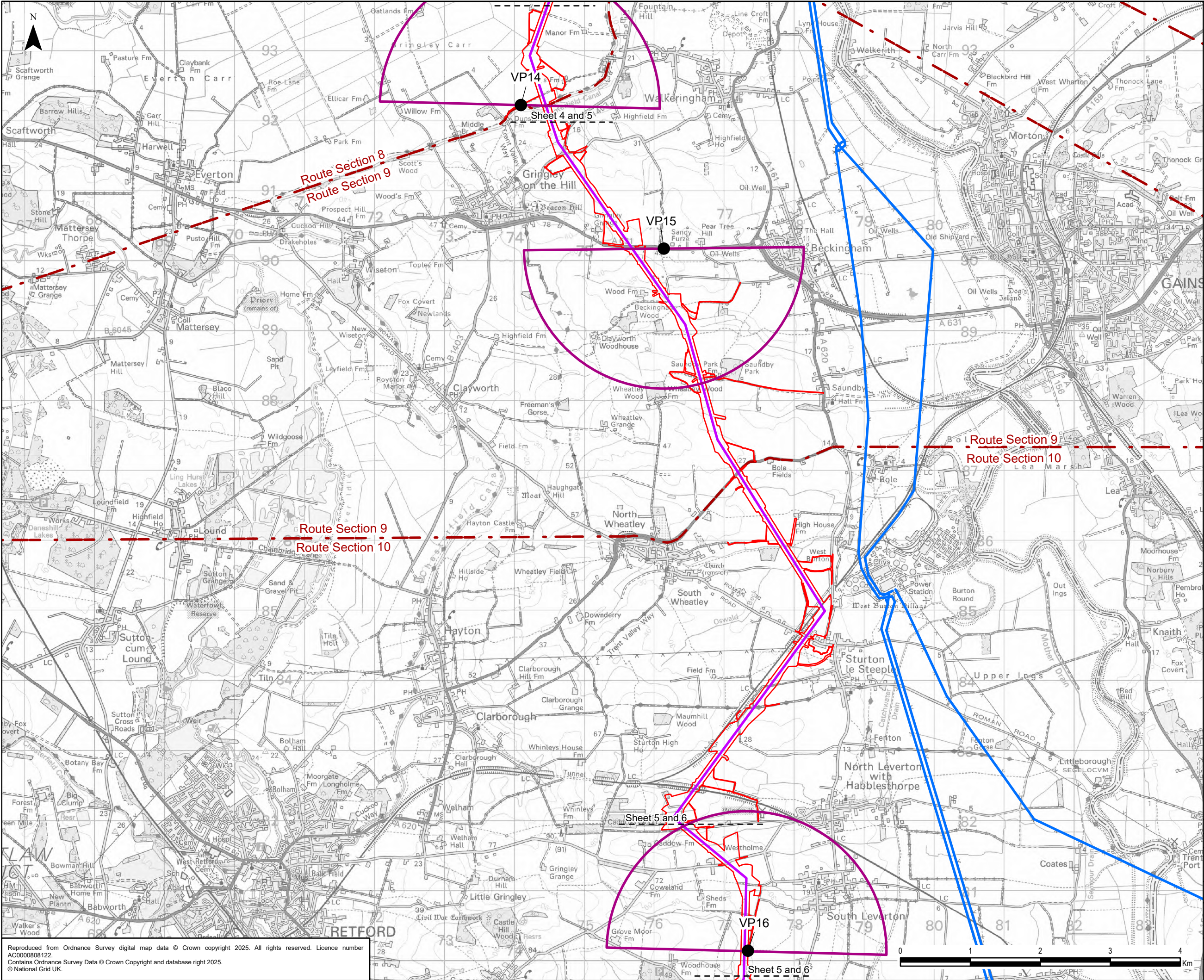
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Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: **FIGURE 9.3 - VANTAGE POINT VIEWING ARCS**

Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
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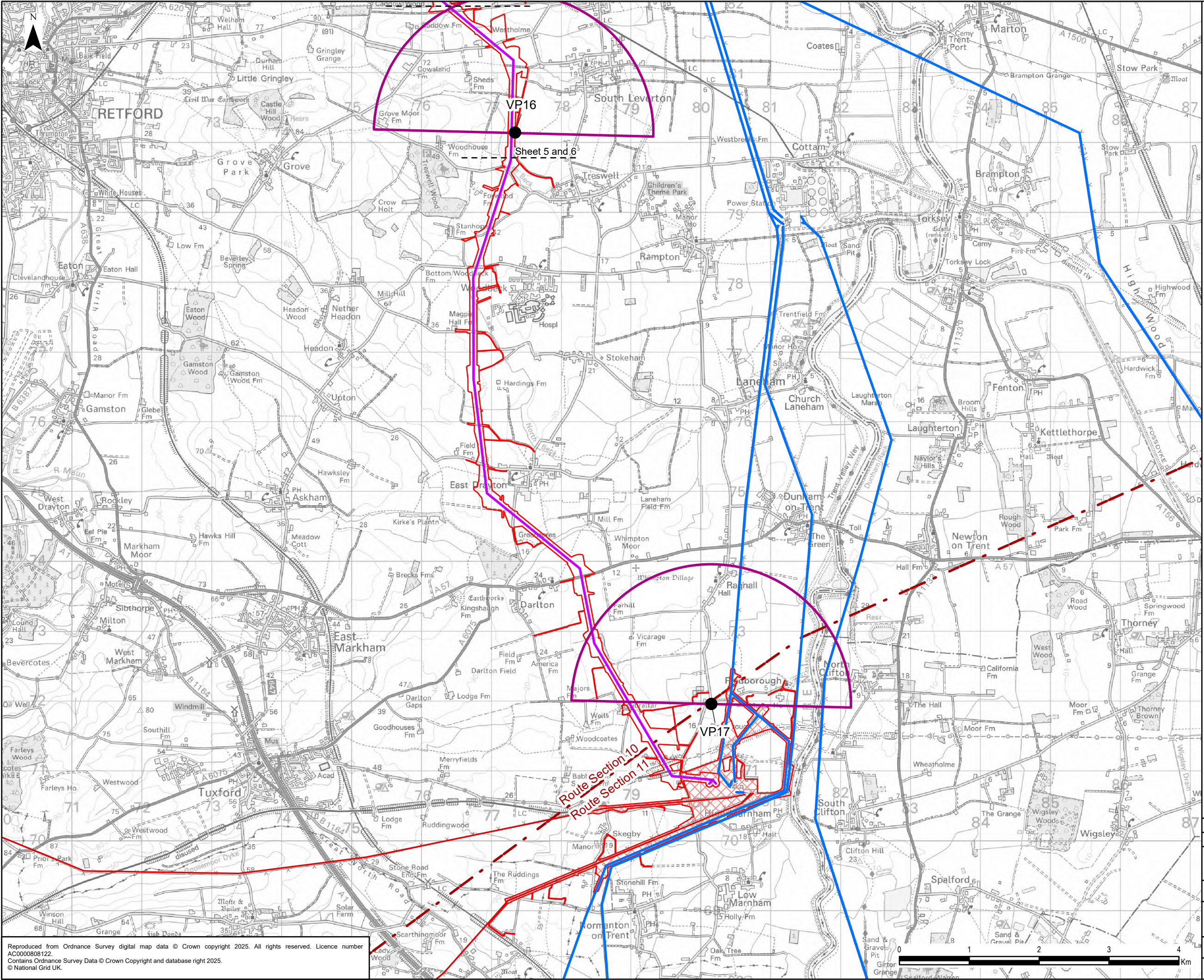
Legend

- Draft Order Limits
- Route Section
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- 400 kV
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- Ornithology Data
- Vantage Point (VP) - Data presented in the Preliminary Environmental Information Report (PEIR)
- VP Viewing Arc

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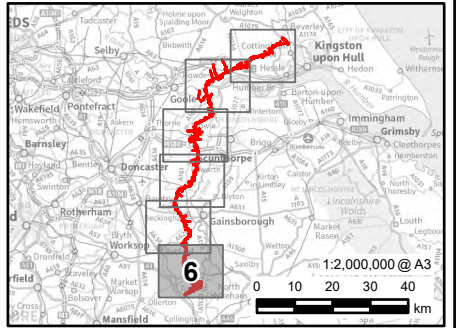
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Scheme: NORTH HUMBER TO HIGH MARNHAM					
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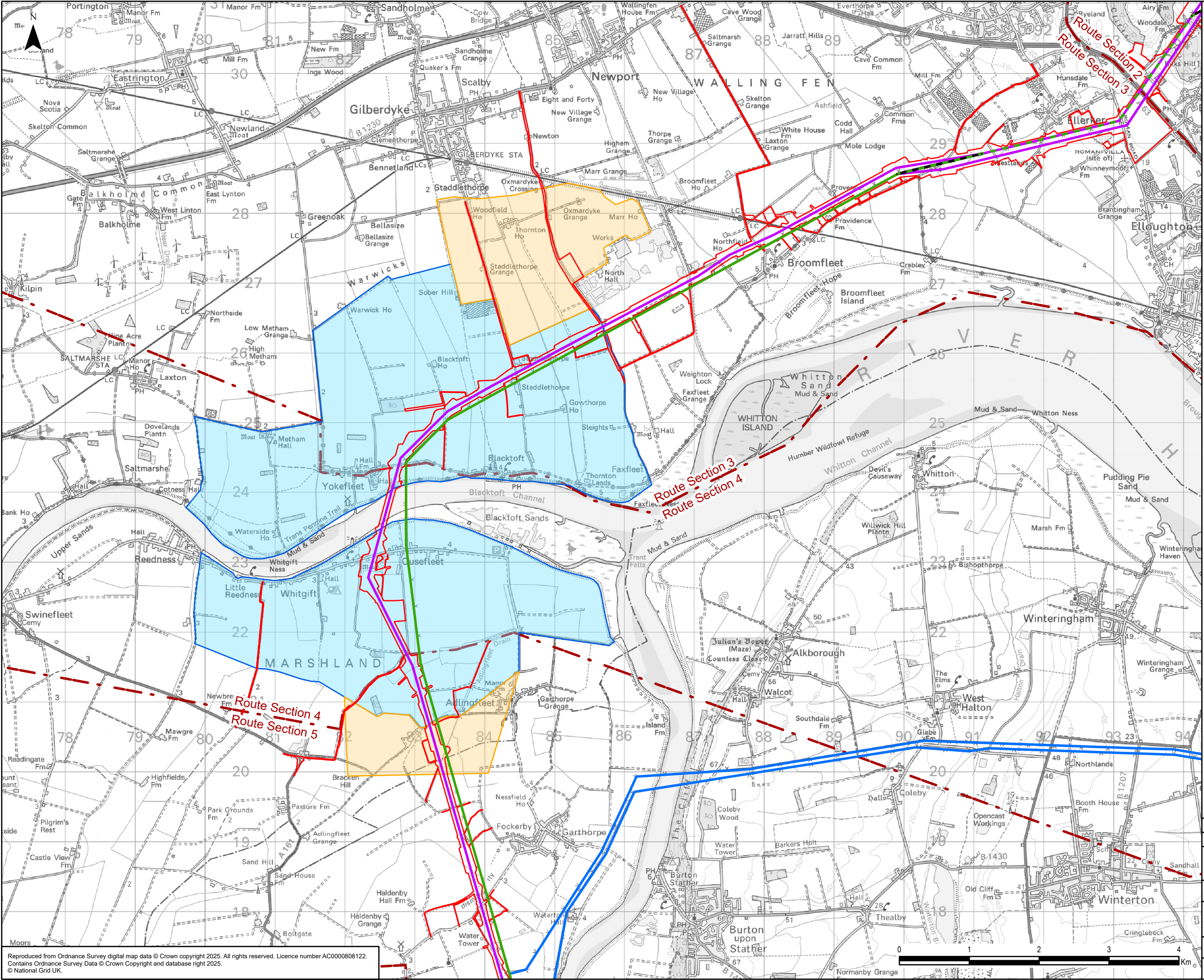
Legend

- Draft Order Limits
- Proposed Substation Works
- Route Section
- Existing Overhead Line
- 275 kV
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Ornithology Data
- Vantage Point (VP) - Data presented in the Preliminary Environmental Information Report (PEIR)
- VP Viewing Arc



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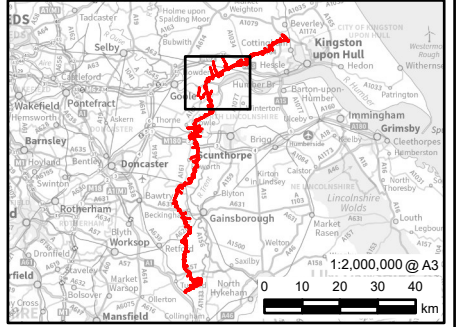
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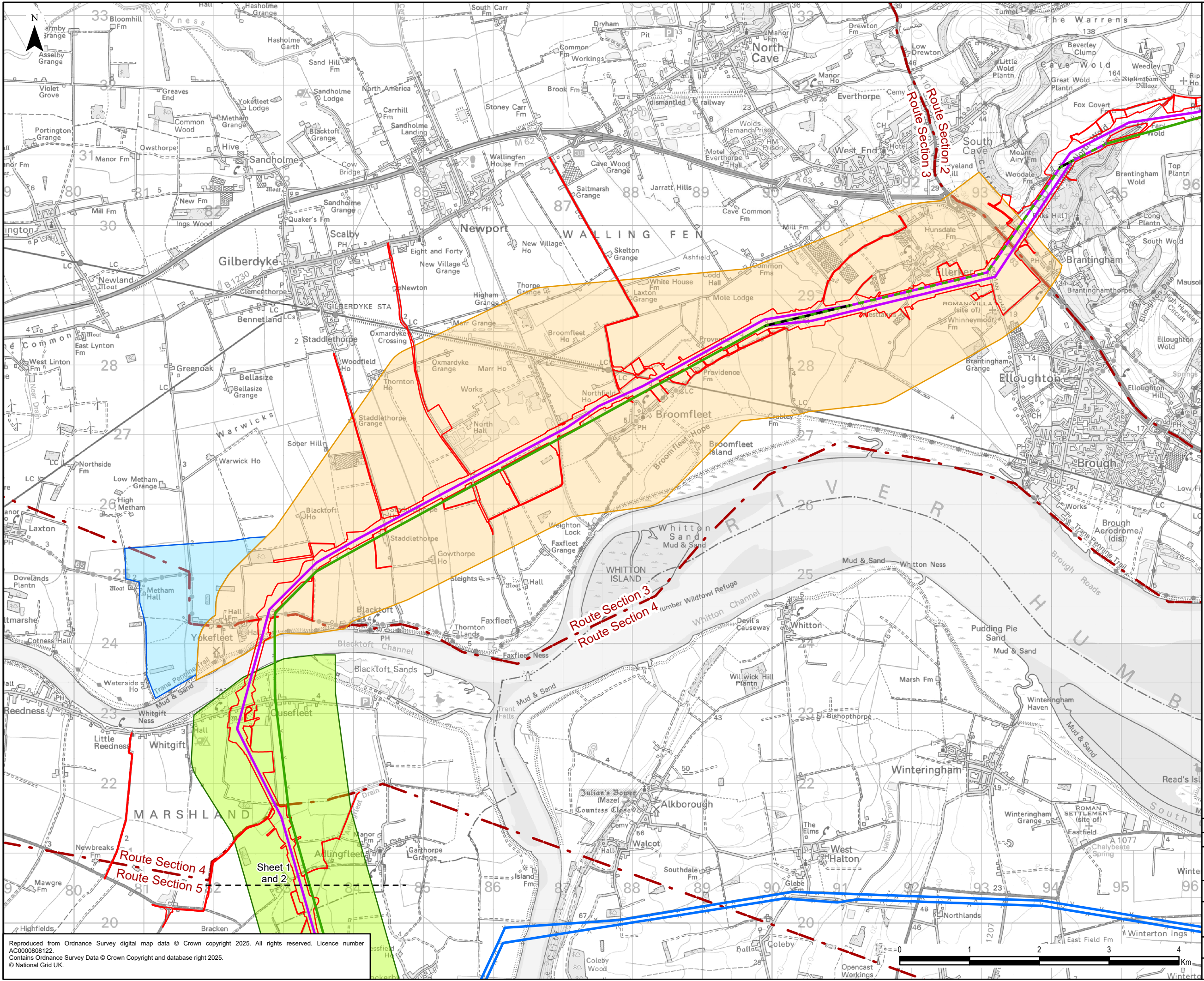
Legend

- Draft Order Limits
- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Ornithology Data
- Field Count Survey Area
- Field Count Survey Area Extension

Note:
Figure only displays segments of the Project where Field Count Survey Area data are present.



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nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

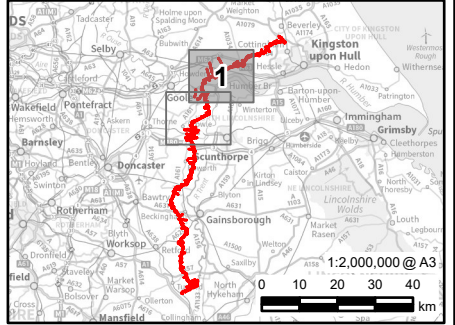
Functionally Linked Land (FLL) Survey Areas

Extension Spur

FLL North Walkover Bird Survey Area

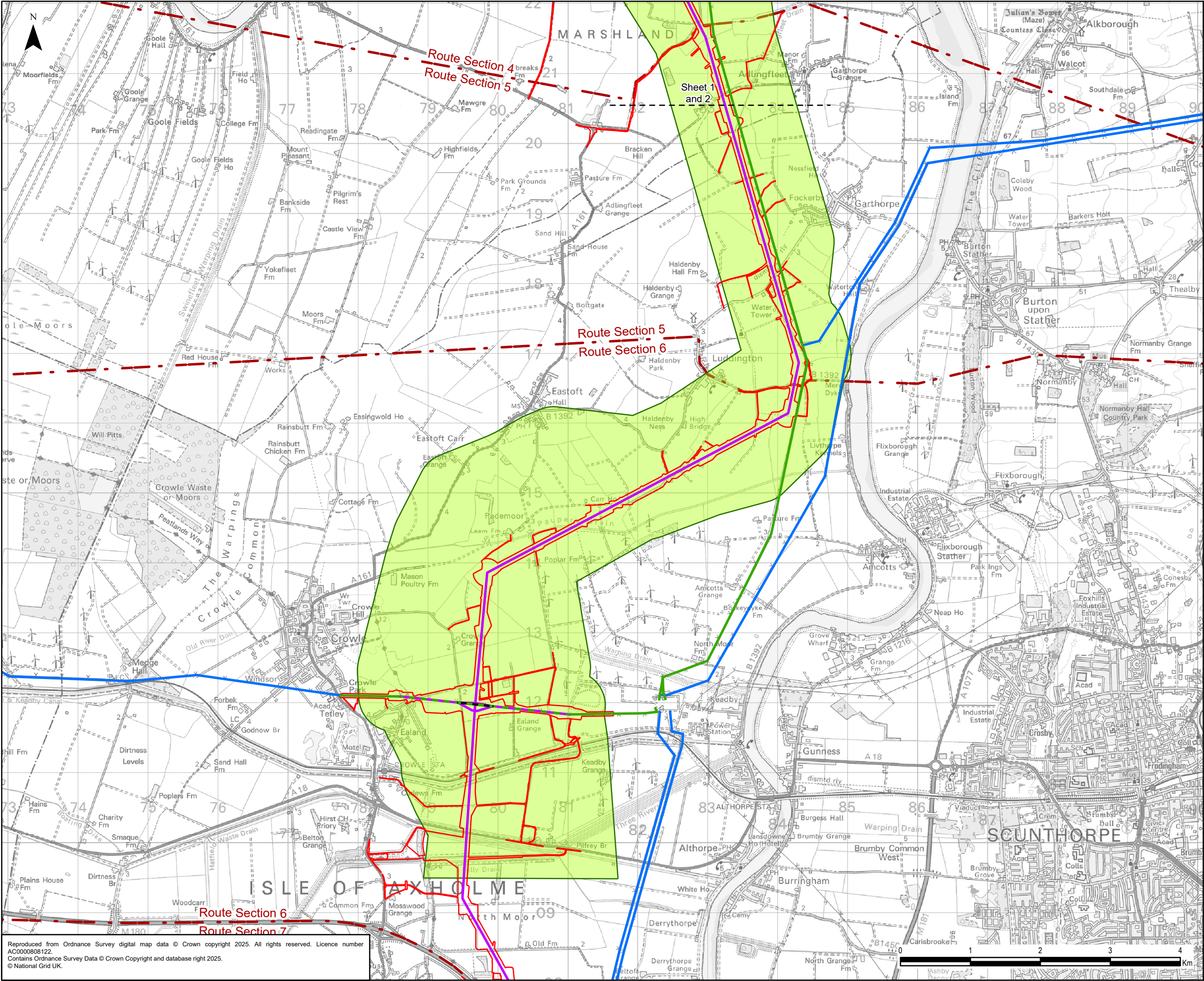
FLL South Walkover Bird Survey Area

Note:
Figure only displays segments of the Project where Functionally Linked Land Survey Area data is present.



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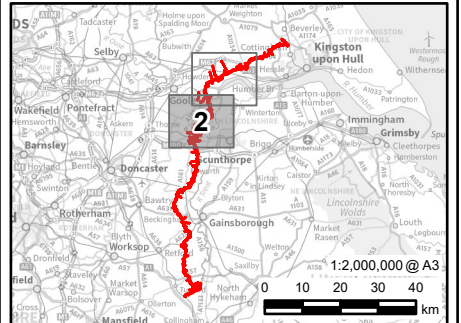
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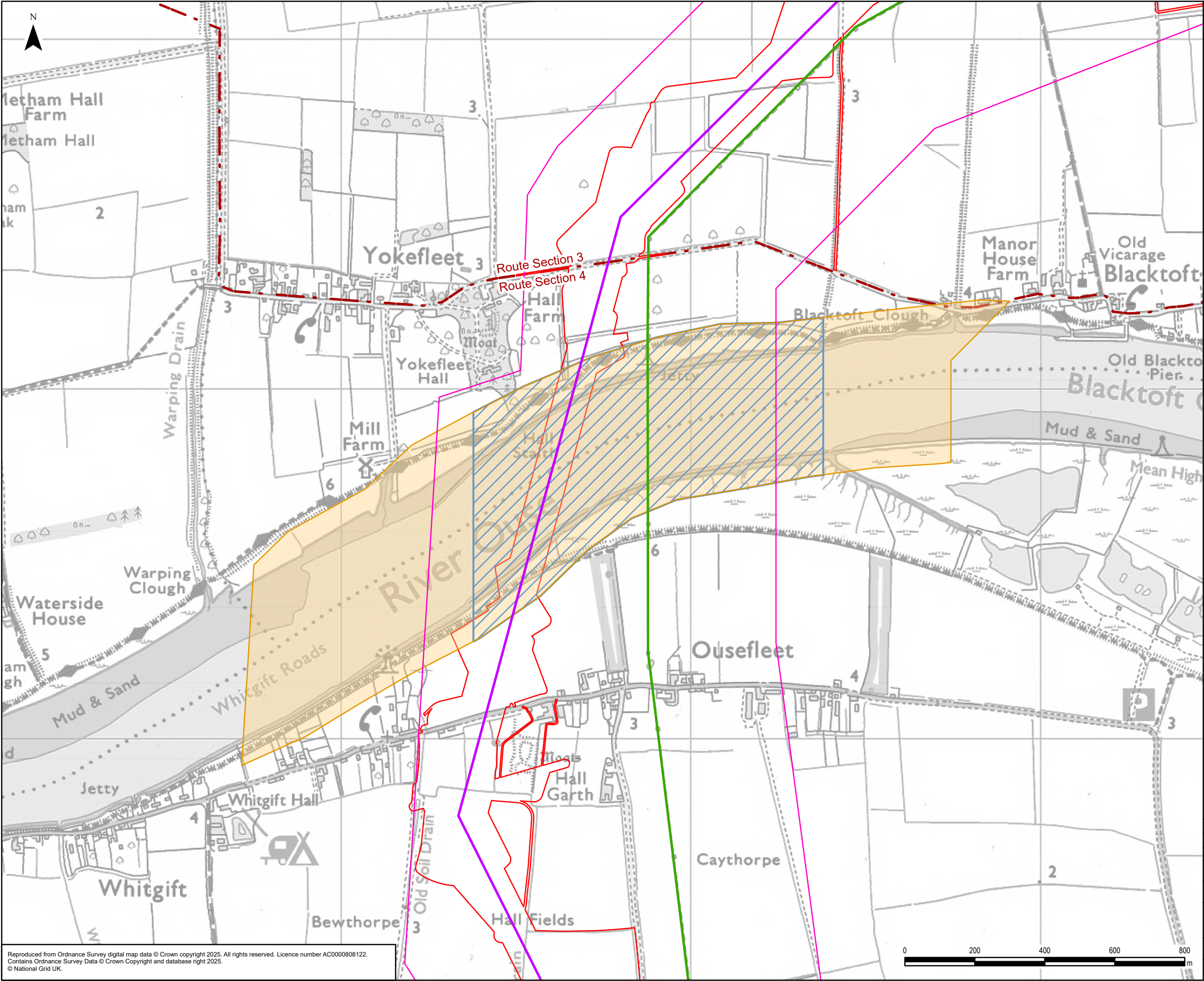
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- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Functionally Linked Land (FLL) Survey Areas
- FLL South Walkover Bird Survey Area

Note:
Figure only displays segments of the Project where Functionally Linked Land Survey Area data is present.



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Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.5 - FUNCTIONALLY LINKED LAND SURVEY AREAS					
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Legend

- Draft Order Limits
- Scoping Corridor Boundary
- Route Section

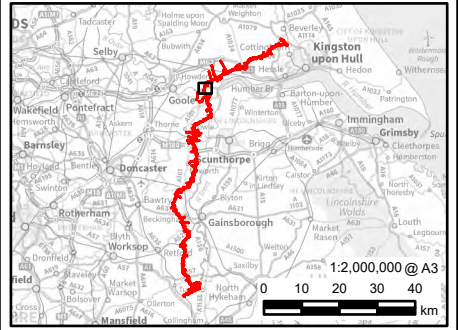
Proposed Project Design Details

- Indicative New Overhead Line
- Existing Overhead Line Not Affected

Through The Tide Count Survey Areas

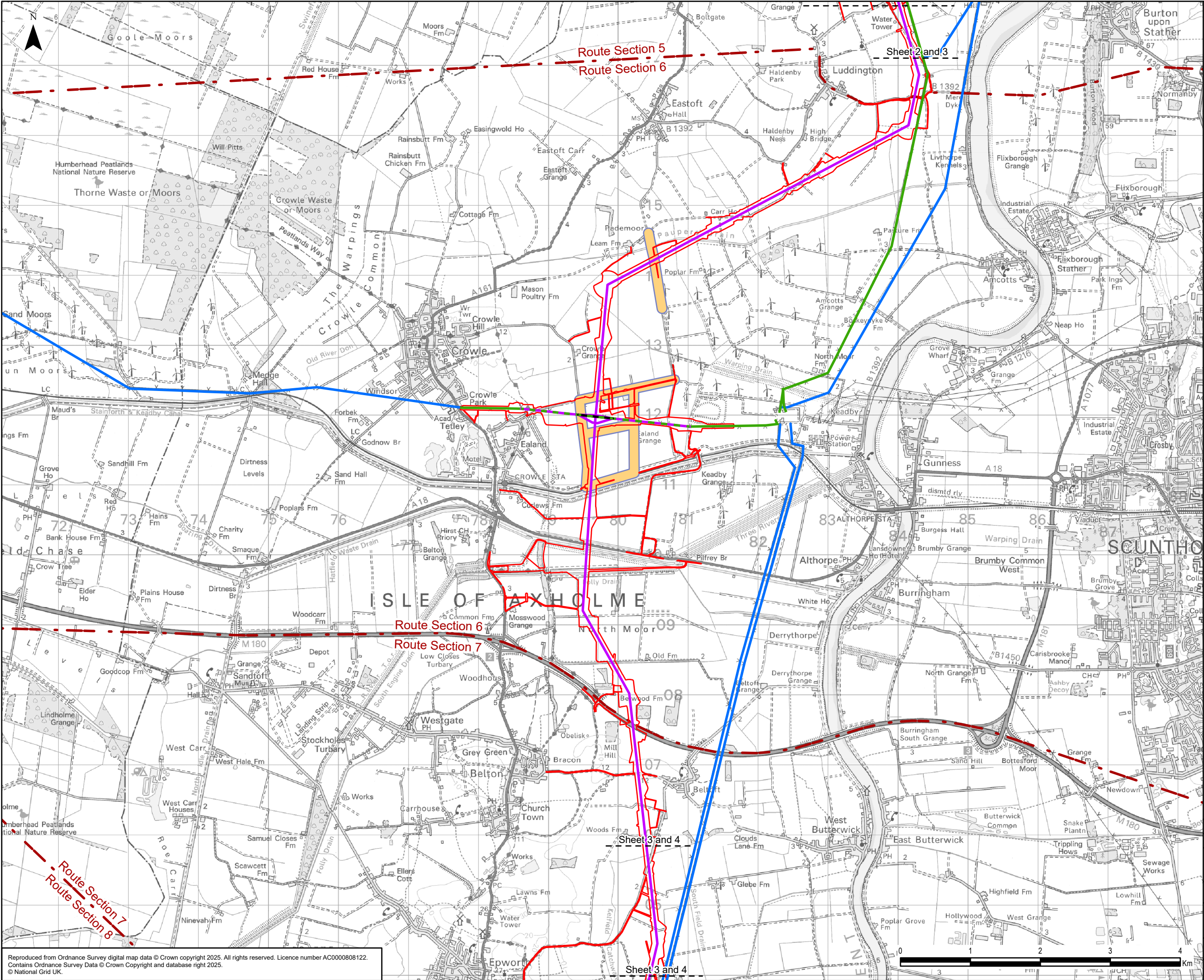
- Extended Ongoing Survey Extent
- Initial Survey Area Extent

Note:
Figure only displays segments of the Project where Through The Tide Count Survey Area data are present.



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Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RW	Date: 23/01/2025
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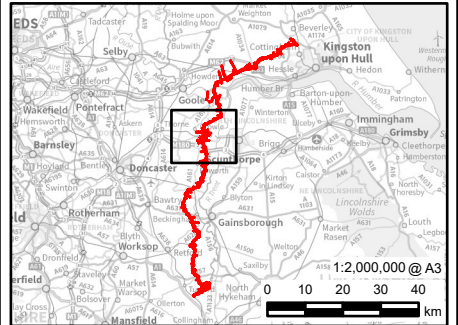
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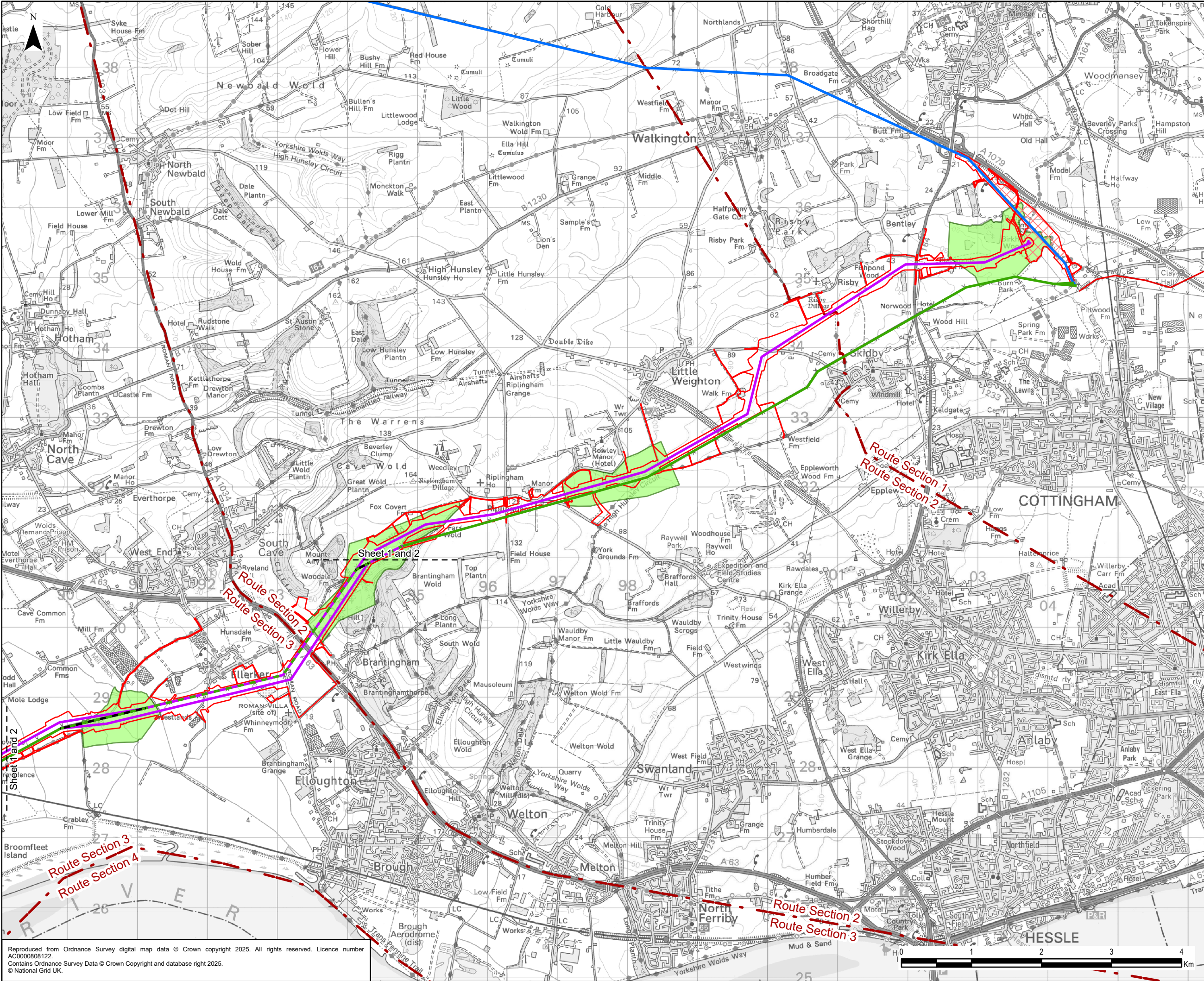
Legend

- Draft Order Limits
- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Ornithology Data
- Nightjar Survey Transect

Note:
Figure only displays segments of the Project where Nightjar Survey Transect data are present.



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Legend

Draft Order Limits

Proposed Substation Works

Existing Overhead Line

275 kV

400 kV

Route Section

Proposed Project Design Details

Indicative New Overhead Line

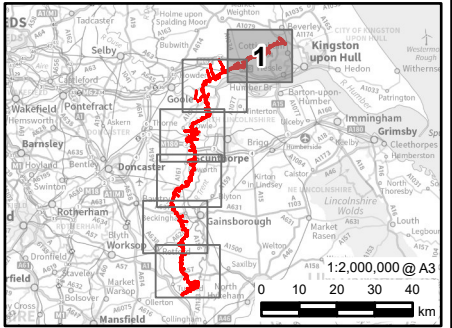
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Existing Overhead Line to be Dismantled

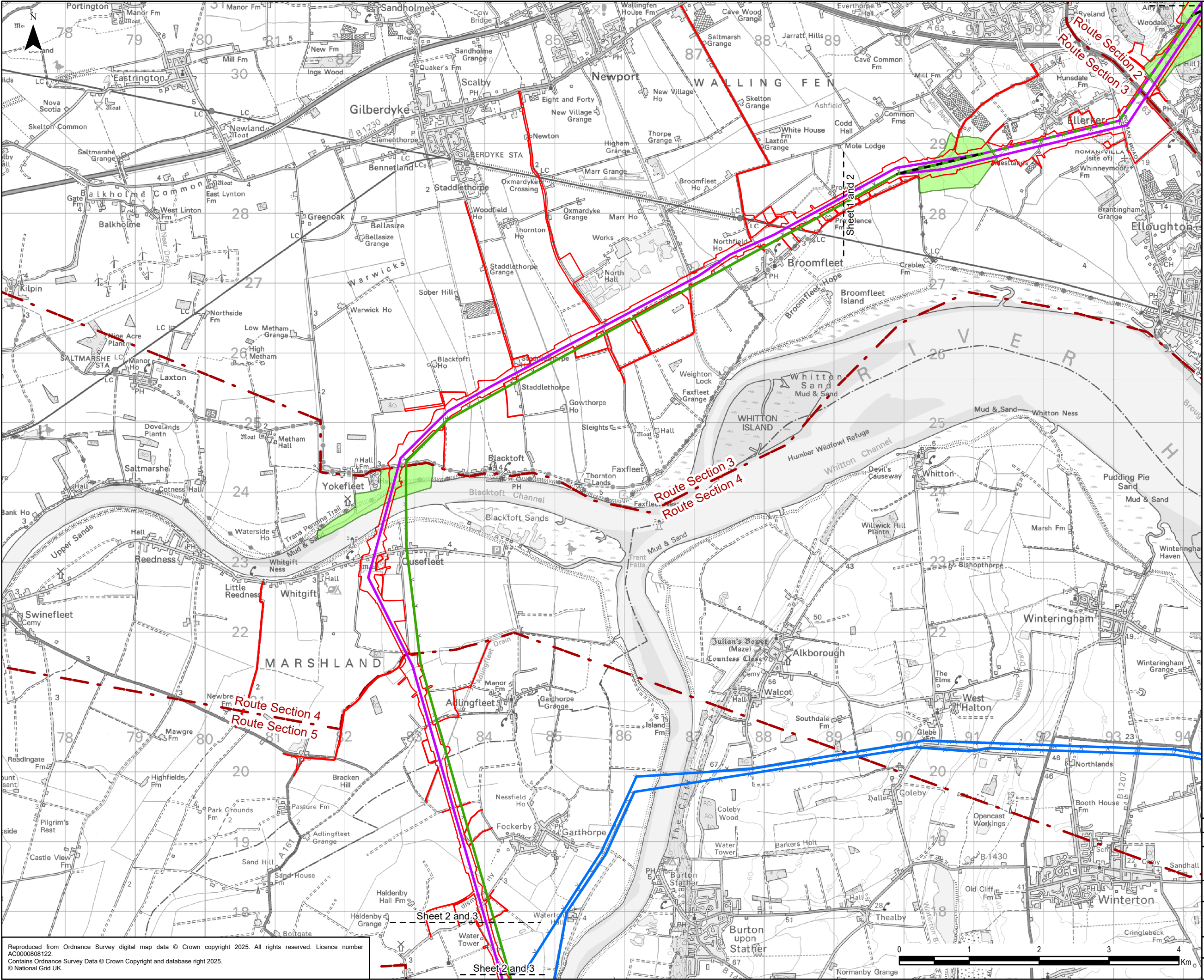
Ornithology Data

Common Birds Census Survey Area



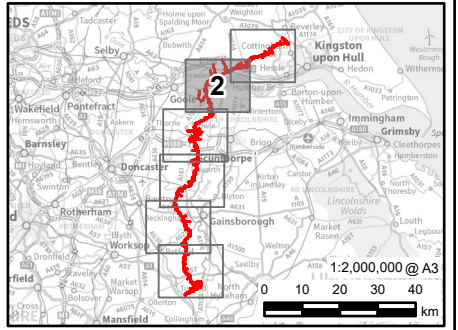
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nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.9 - COMMON BIRDS CENSUS SURVEY AREA					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RW	Date: 23/01/2025
Figure Ref: 9.9	Scale: 1:50,000	Format: A3	Sheets: 1 of 6	Rev: 0.1	

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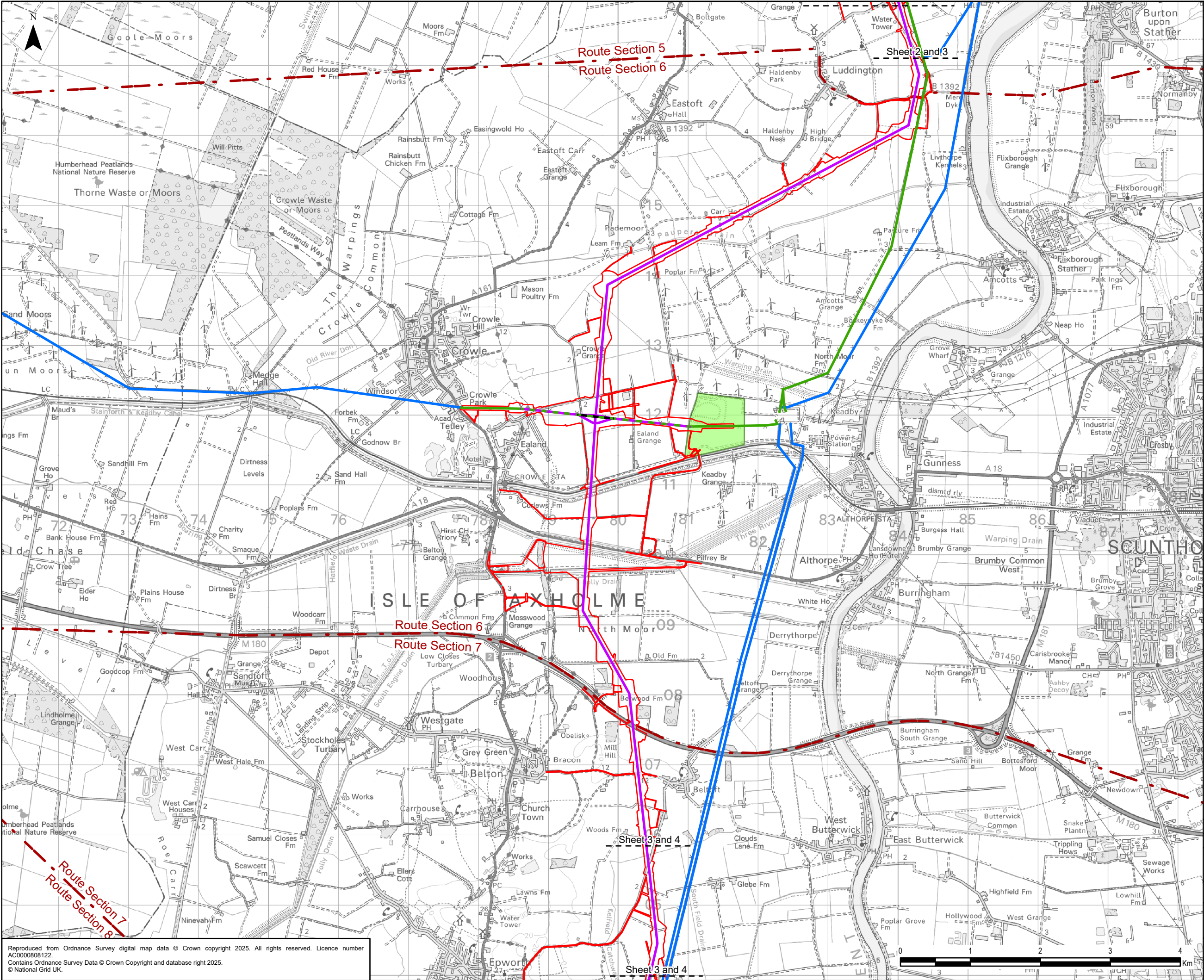
Legend

- Draft Order Limits
- Existing Overhead Line
- 400 kV
- Route Section
- Proposed Project Design Details
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Ornithology Data
- Common Birds Census Survey Area



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Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.9 - COMMON BIRDS CENSUS SURVEY AREA					
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Legend

Draft Order Limits

— Existing Overhead Line

— 400 kV

- - - Route Section

Proposed Project Design Details

— Indicative New Overhead Line

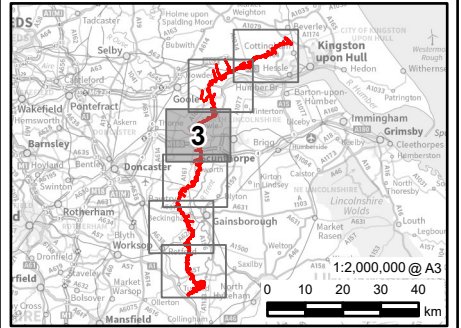
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— Existing Overhead Line to be Reconductored

— Existing Overhead Line to be Dismantled

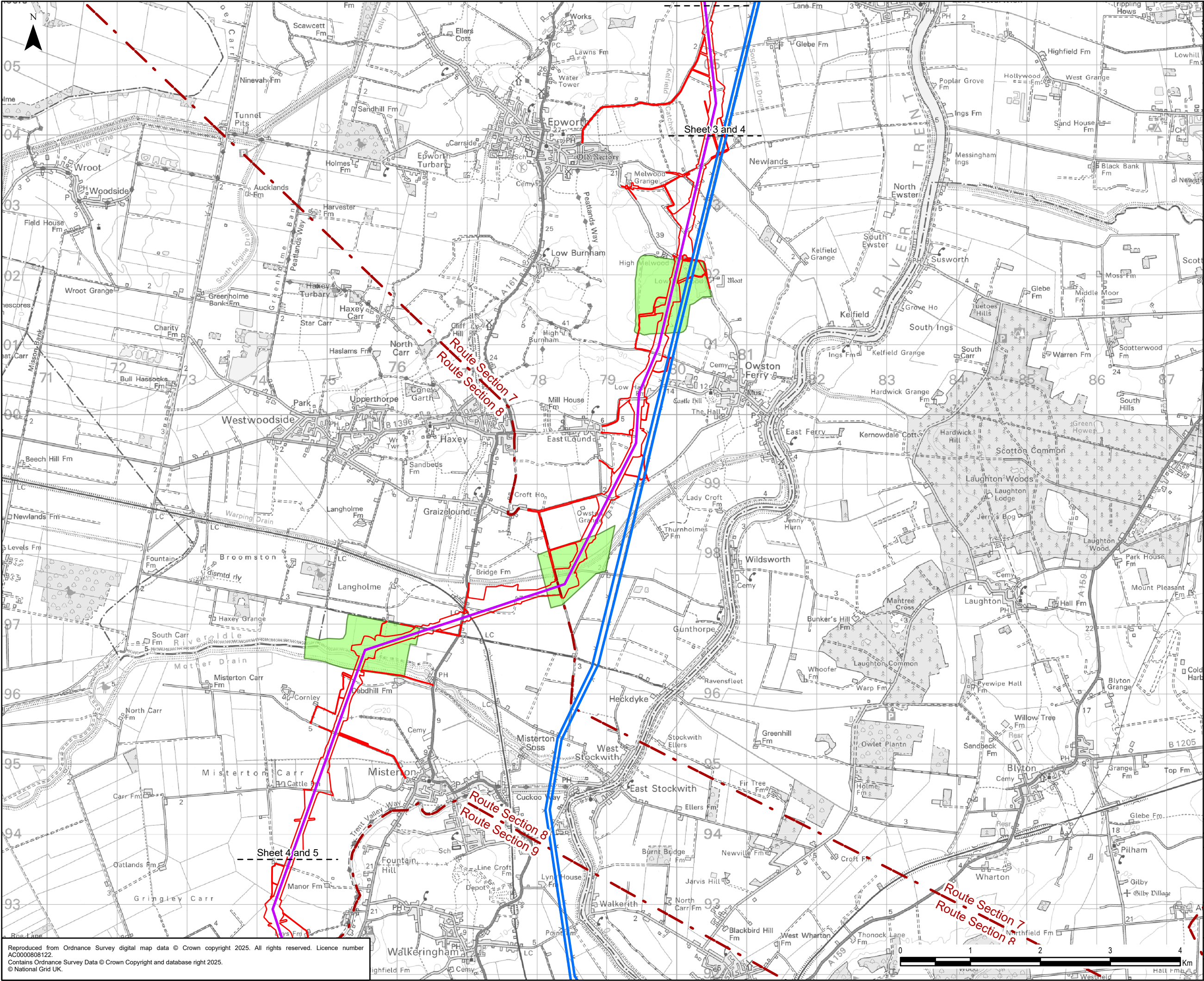
Ornithology Data

Common Birds Census Survey Area



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Legend

Draft Order Limits

Existing Overhead Line

— 400 kV

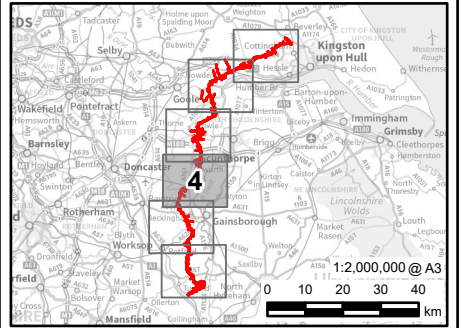
- - - Route Section

Proposed Project Design Details

— Indicative New Overhead Line

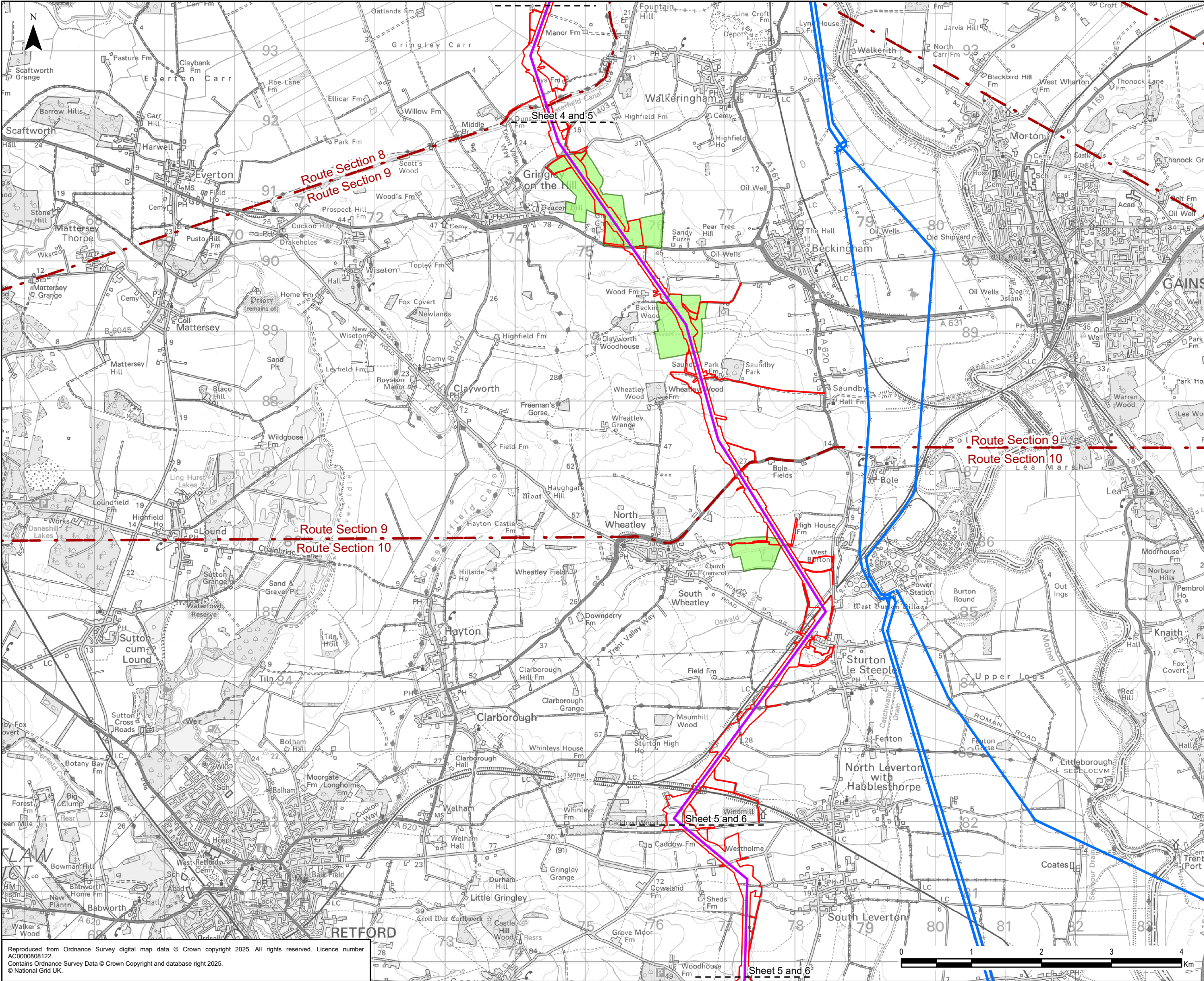
Ornithology Data

Common Birds Census Survey Area



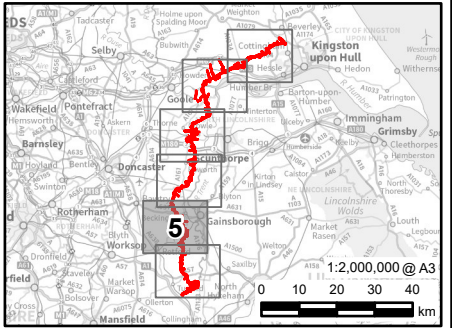
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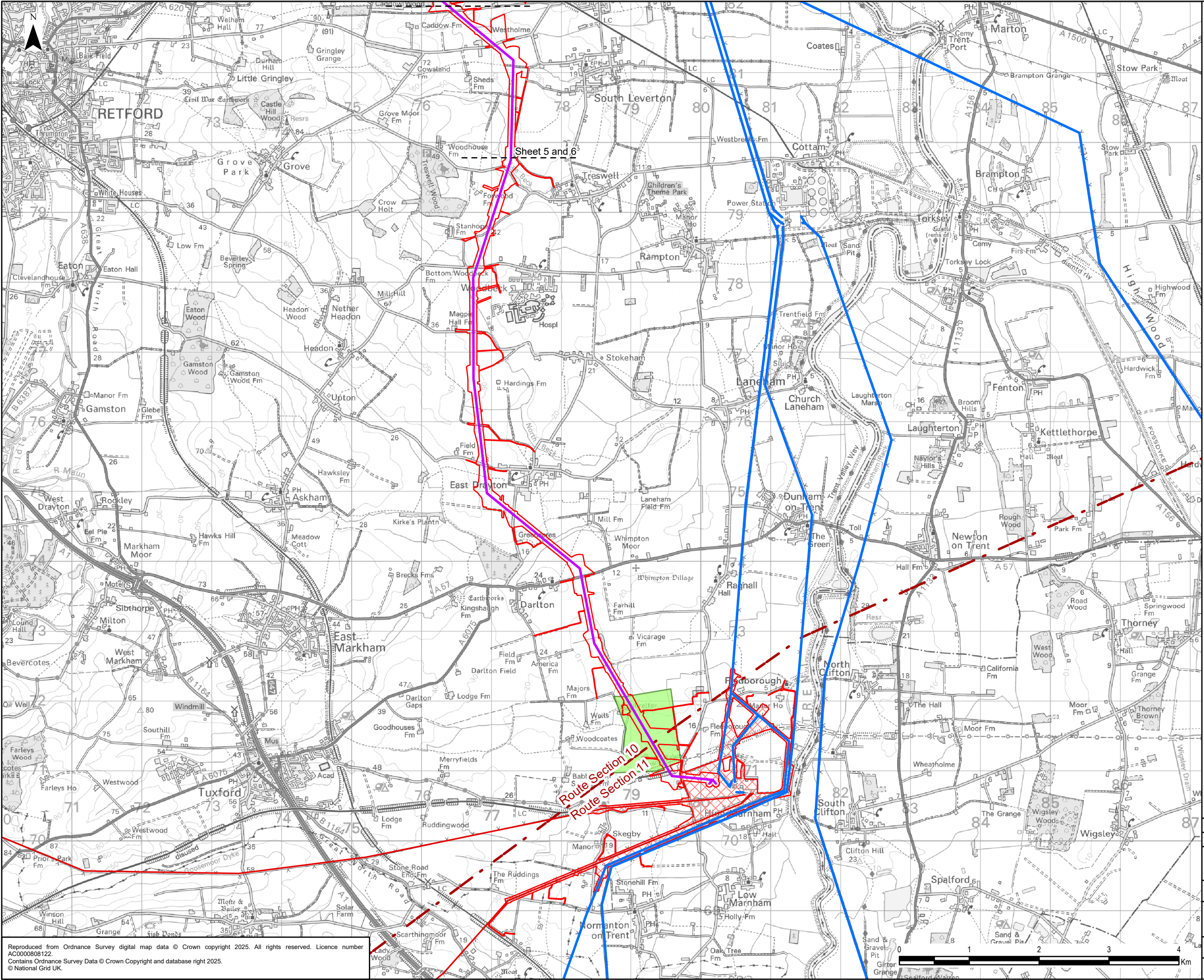
Legend

- Draft Order Limits
- Existing Overhead Line
- 400 kV
- Route Section
- Proposed Project Design Details
- Indicative New Overhead Line
- Ornithology Data
- Common Birds Census Survey Area



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Rev	Date	Description	GIS	Chk	App
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Figure Title: FIGURE 9.9 - COMMON BIRDS CENSUS SURVEY AREA					
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Legend

- Draft Order Limits
- Proposed Substation Works
- Existing Overhead Line
 - 275 kV
 - 400 kV
- Route Section
- Proposed Project Design Details
 - Indicative New Overhead Line
- Ornithology Data
 - Common Birds Census Survey Area

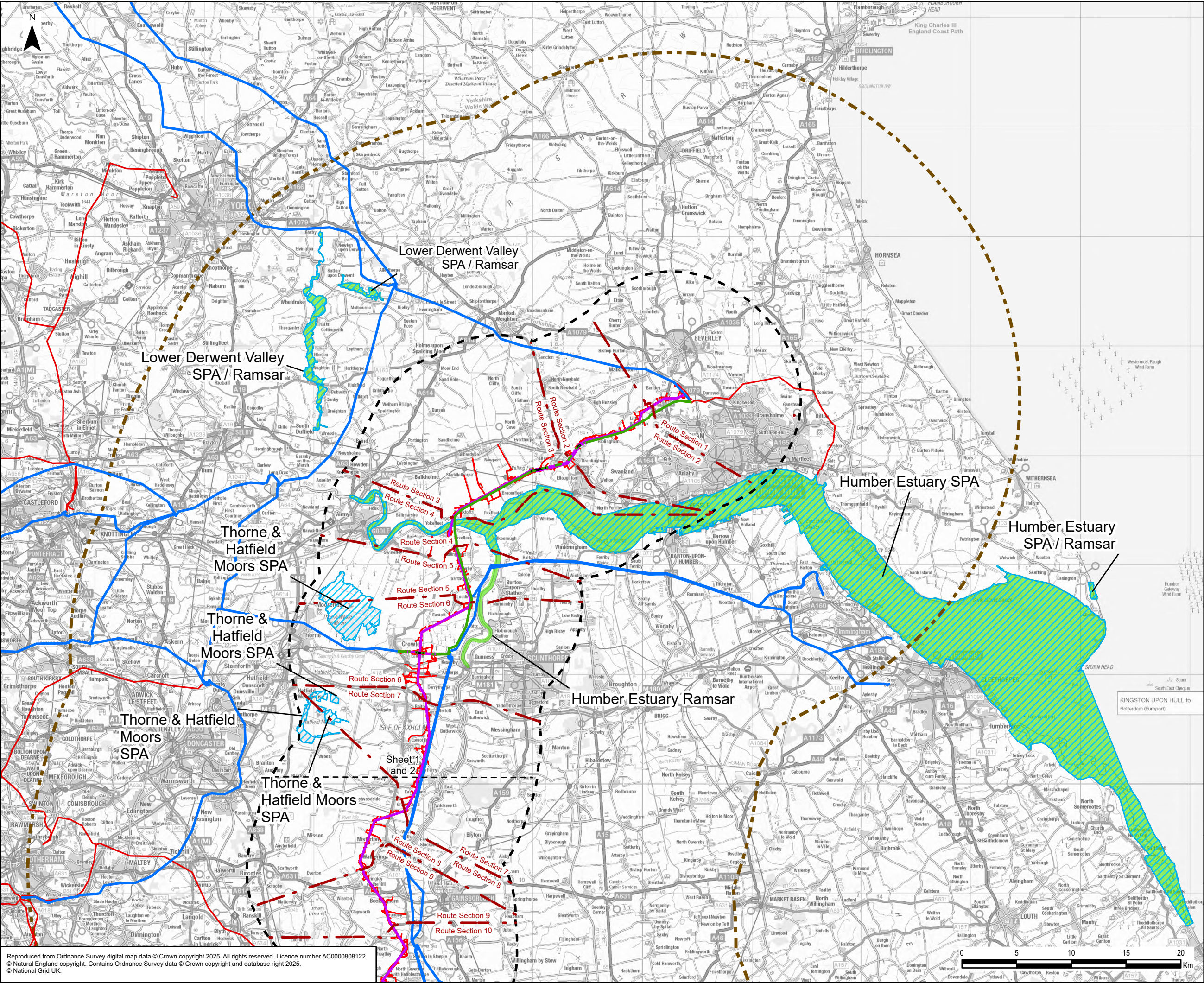
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nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

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Figure Ref: 9.9	Scale: 1:50,000	Format: A3	Sheets: 6 of 6	Rev: 0.1	



Legend

Draft Order Limits

Proposed Substation Works

10 km Study Area

30 km Study Area

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

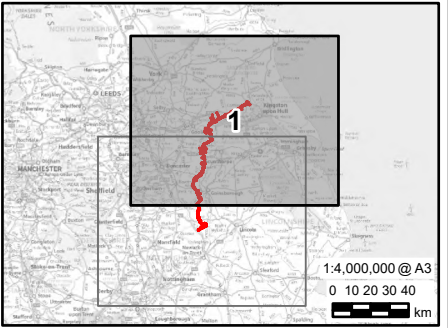
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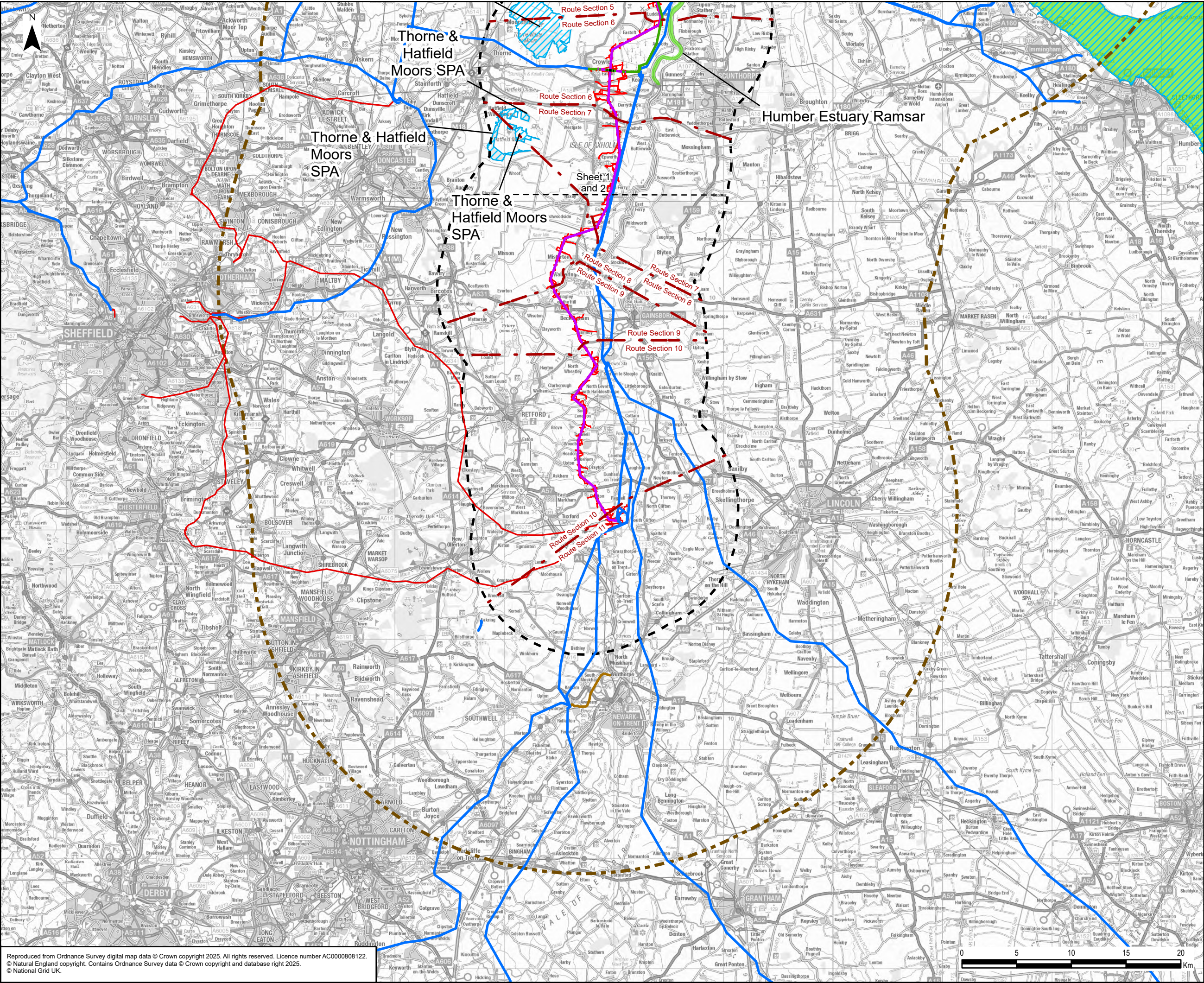
Designated Sites

Special Protection Area (SPA)

Ramsar Site



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Figure Ref: 9.10	Scale: 1:320,000	Format: A3	Sheets: 1 Of 1	Rev: 0.1	



Legend

Draft Order Limits

Proposed Substation Works

10 km Study Area

30 km Study Area

Route Section

Existing Overhead Line

25 kV

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

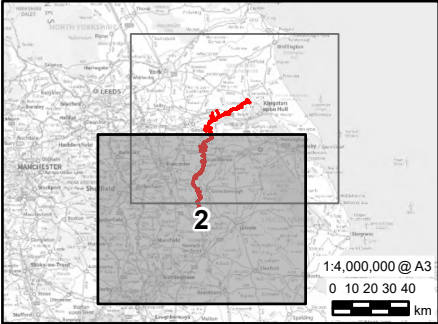
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Existing Overhead Line to be Dismantled

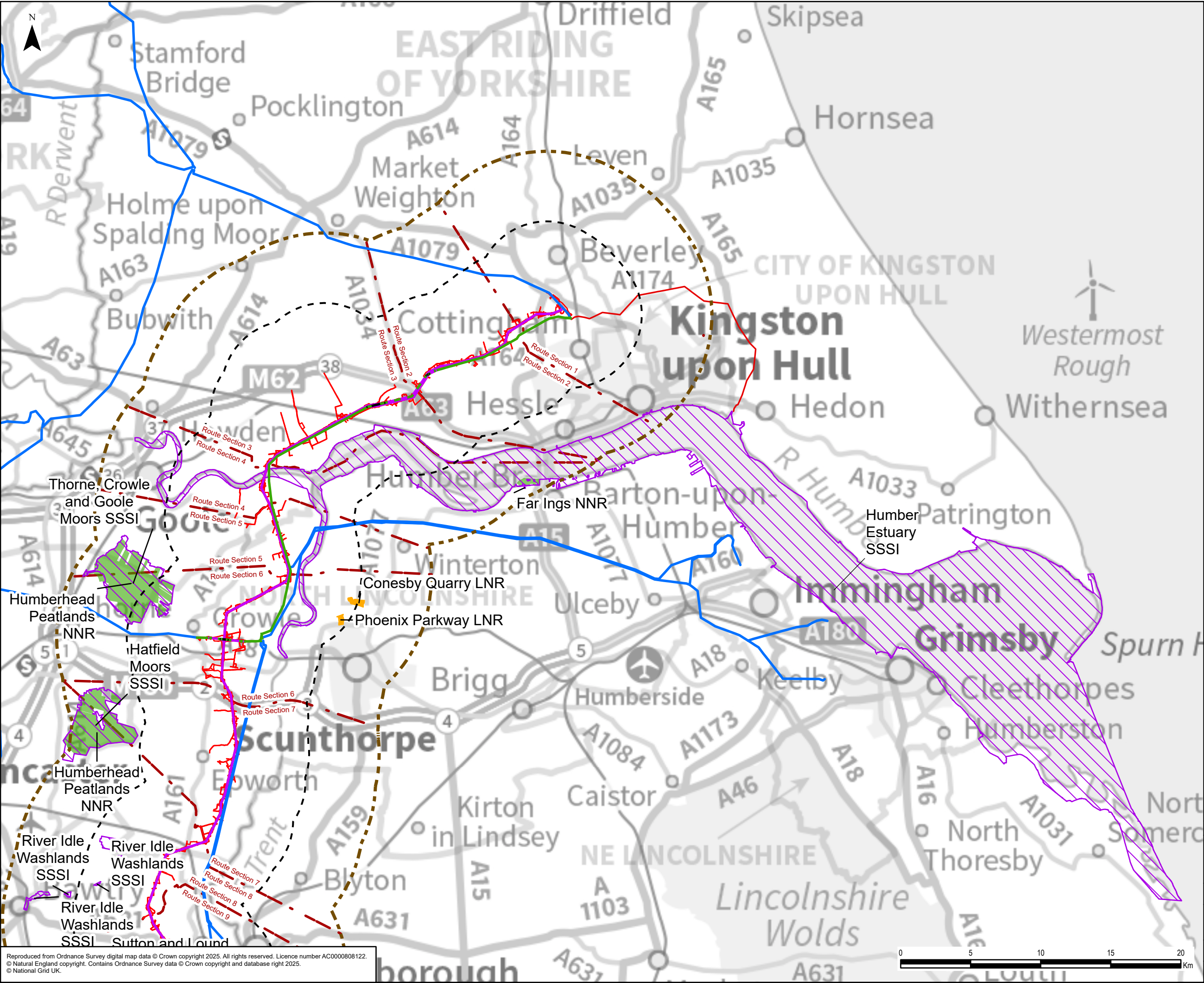
Designated Sites

Special Protection Area (SPA)

Ramsar Site



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Figure Ref: 9.10	Scale: 1:320,000	Format: A3	Sheets: 1 Of 1	Rev: 0.1	



Legend

Draft Order Limits

5 km Study Area for Local Statutory Designated Sites

10 km Study Area for National Statutory Designated Sites

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

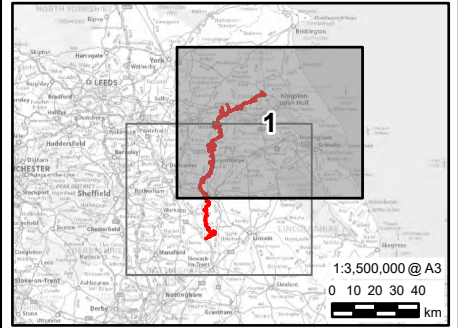
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Designated Sites

Local Nature Reserve (LNR)

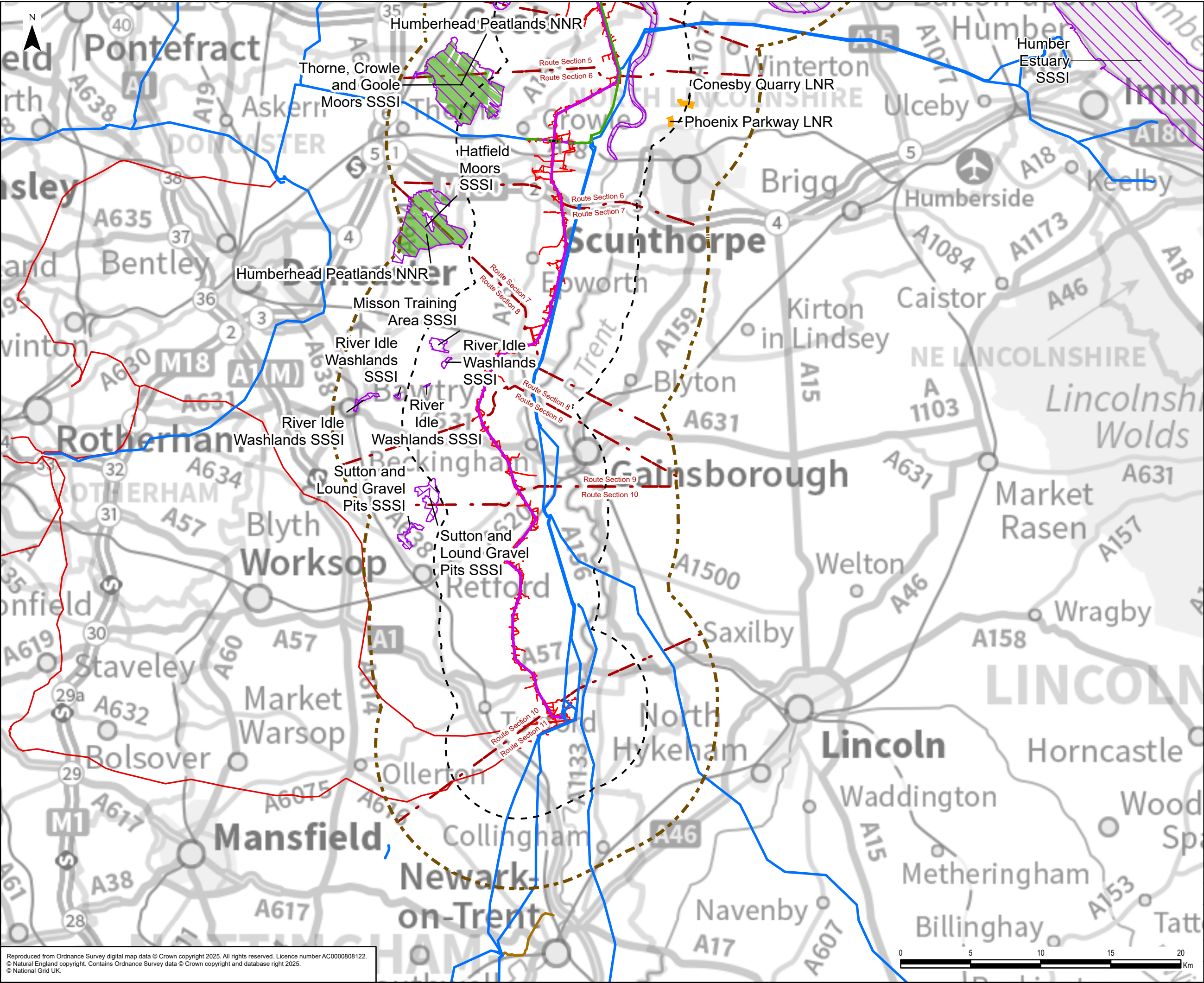
National Nature Reserve (NNR)

Site of Special Scientific Interest (SSSI)



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Legend

Draft Order Limits

Proposed Substation Works

5 km Study Area for Local Statutory Designated Sites

10 km Study Area for National Statutory Designated Sites

Route Section

Existing Overhead Line

25 kV

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

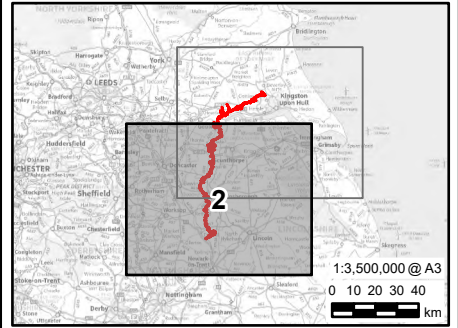
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Designated Sites

Local Nature Reserve (LNR)

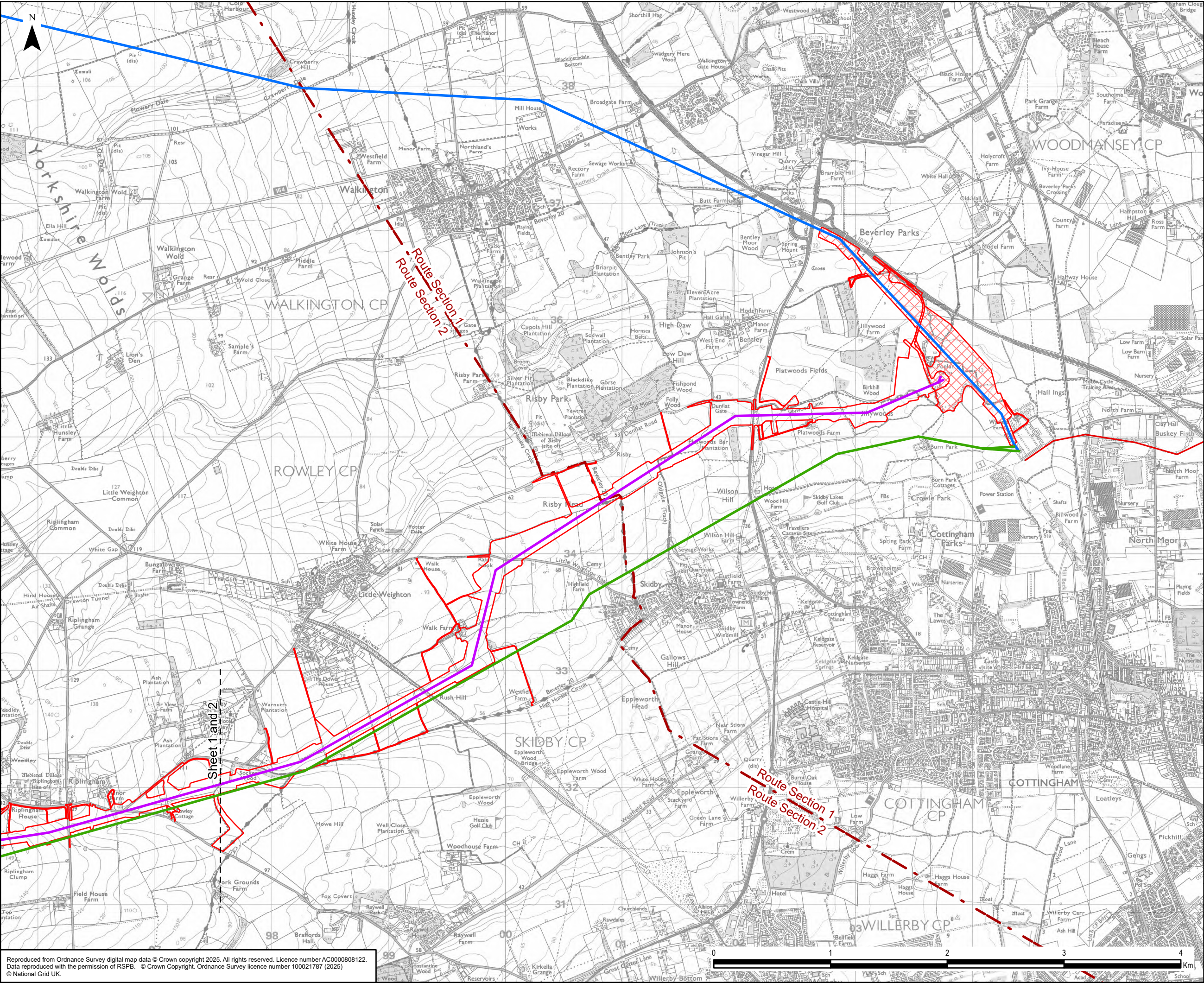
National Nature Reserve (NNR)

Site of Special Scientific Interest (SSSI)



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Legend

Draft Order Limits

Proposed Substation Works

Route Section

Existing Overhead Line

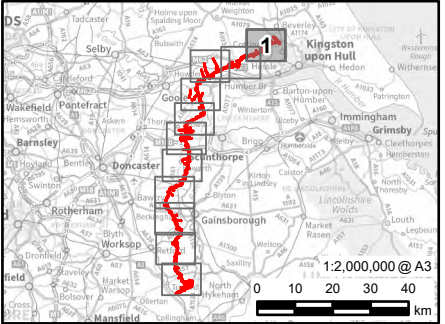
275 kV

400 kV

Proposed Project Design Details

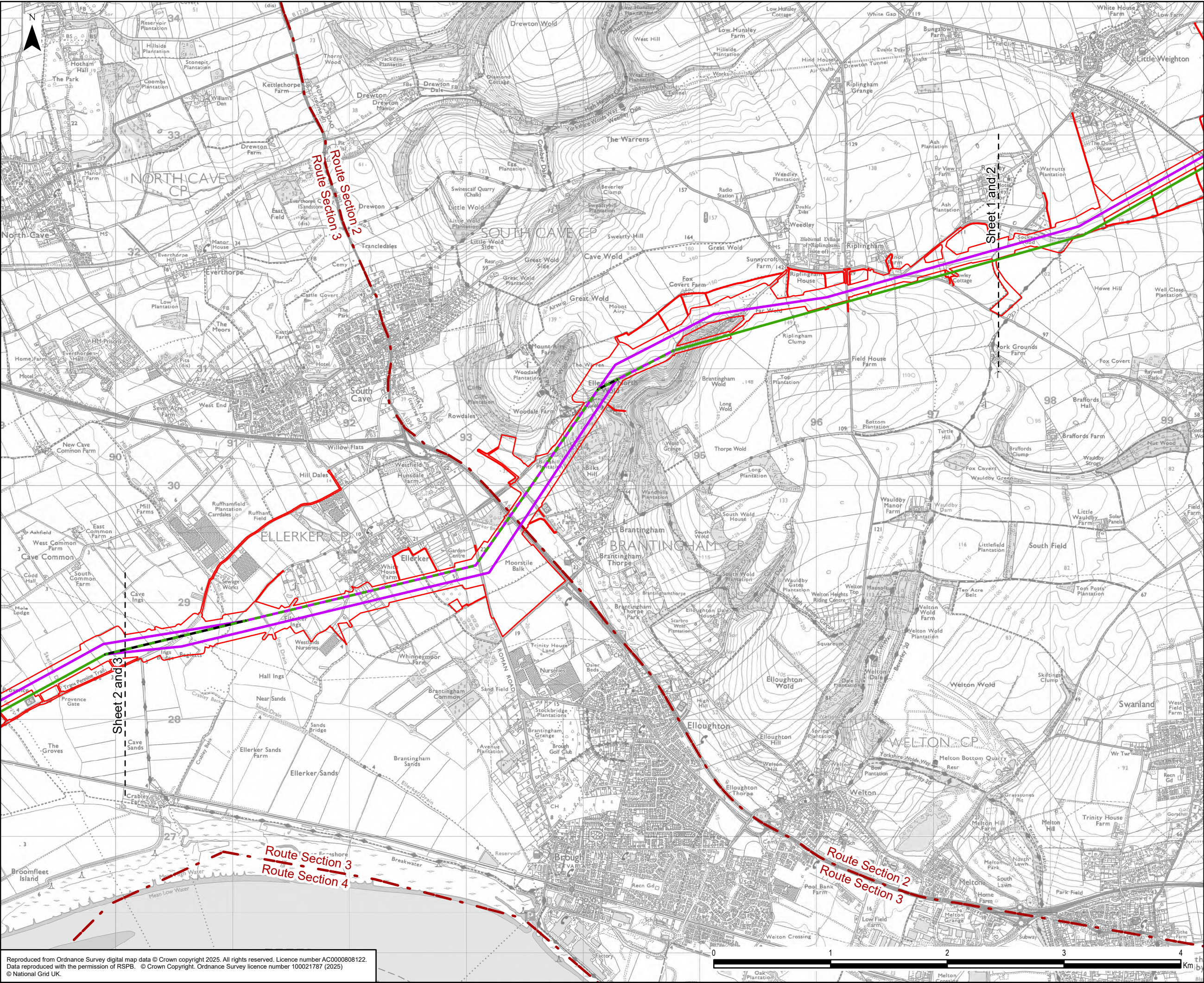
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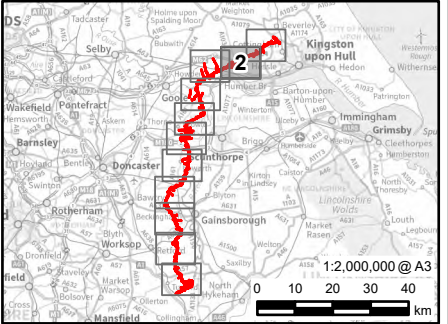


Legend

- Draft Order Limits
- Route Section

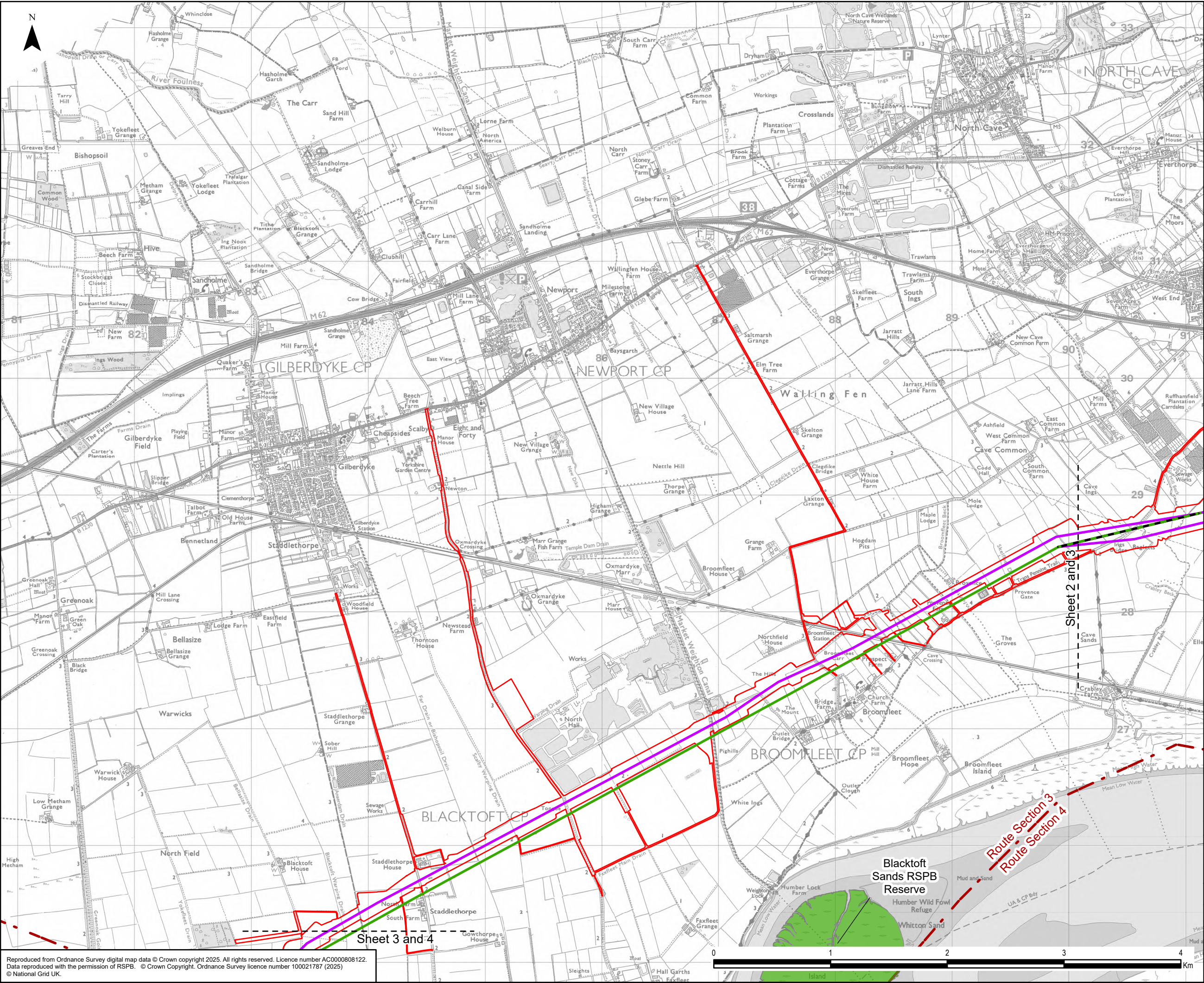
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- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled



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Draft Order Limits

Route Section

Proposed Project Design Details

Indicative New Overhead Line

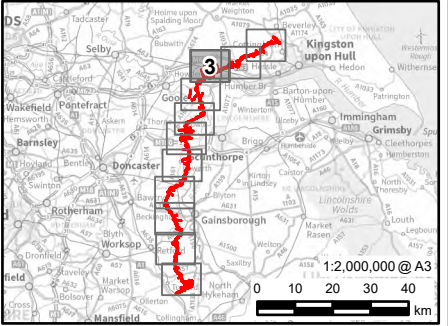
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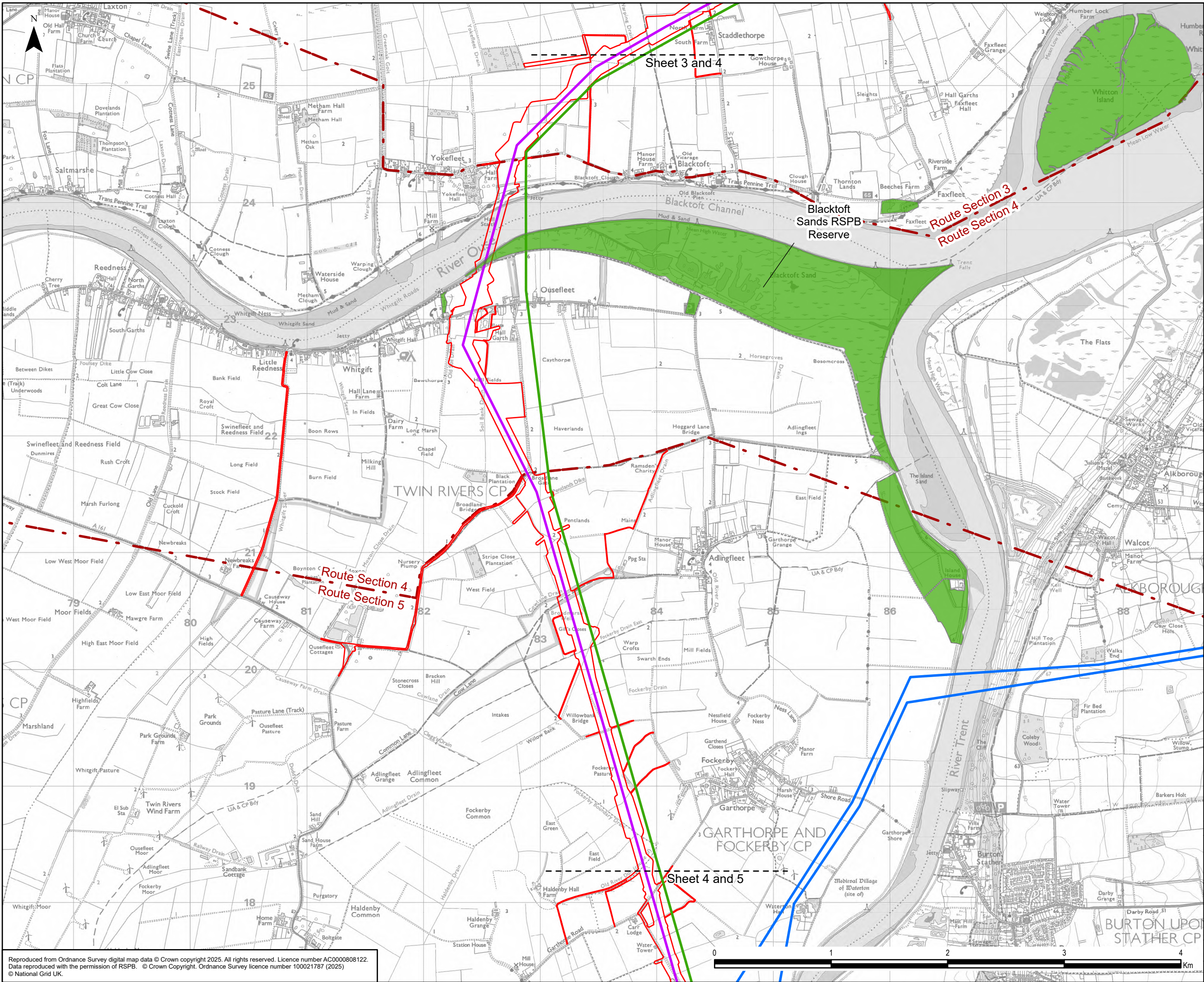
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Non Statutory Designated Sites

Blacktoft Sands RSPB Reserve

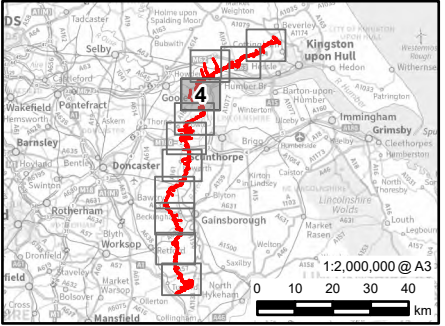


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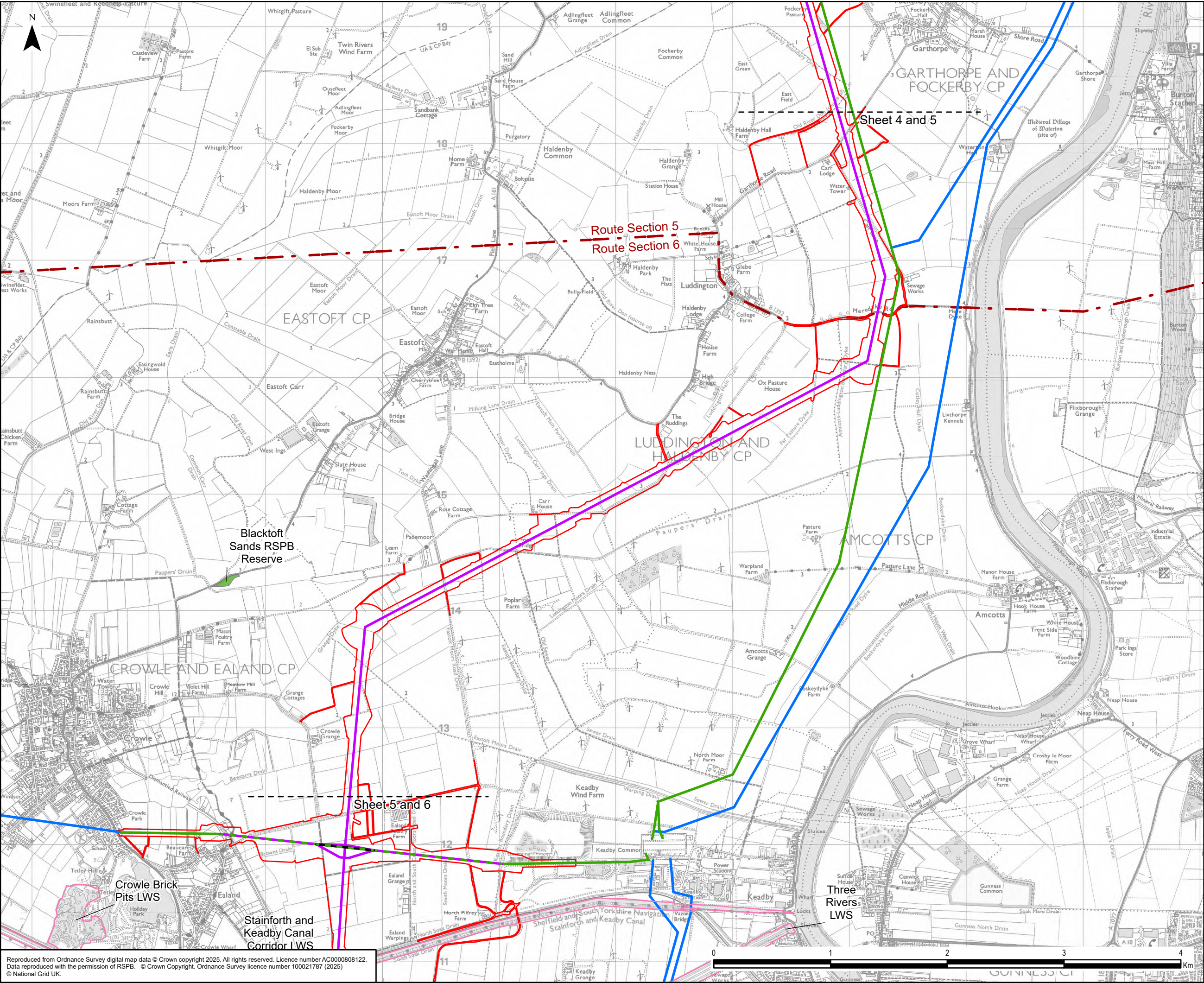
Legend

- Draft Order Limits
- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Non Statutory Designated Sites
- Blacktoft Sands RSPB Reserve



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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

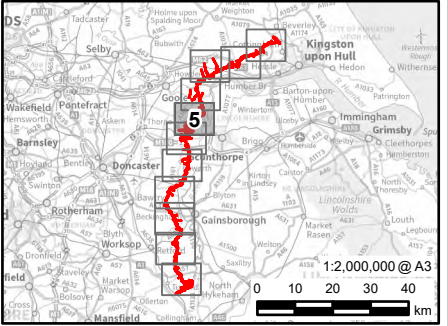
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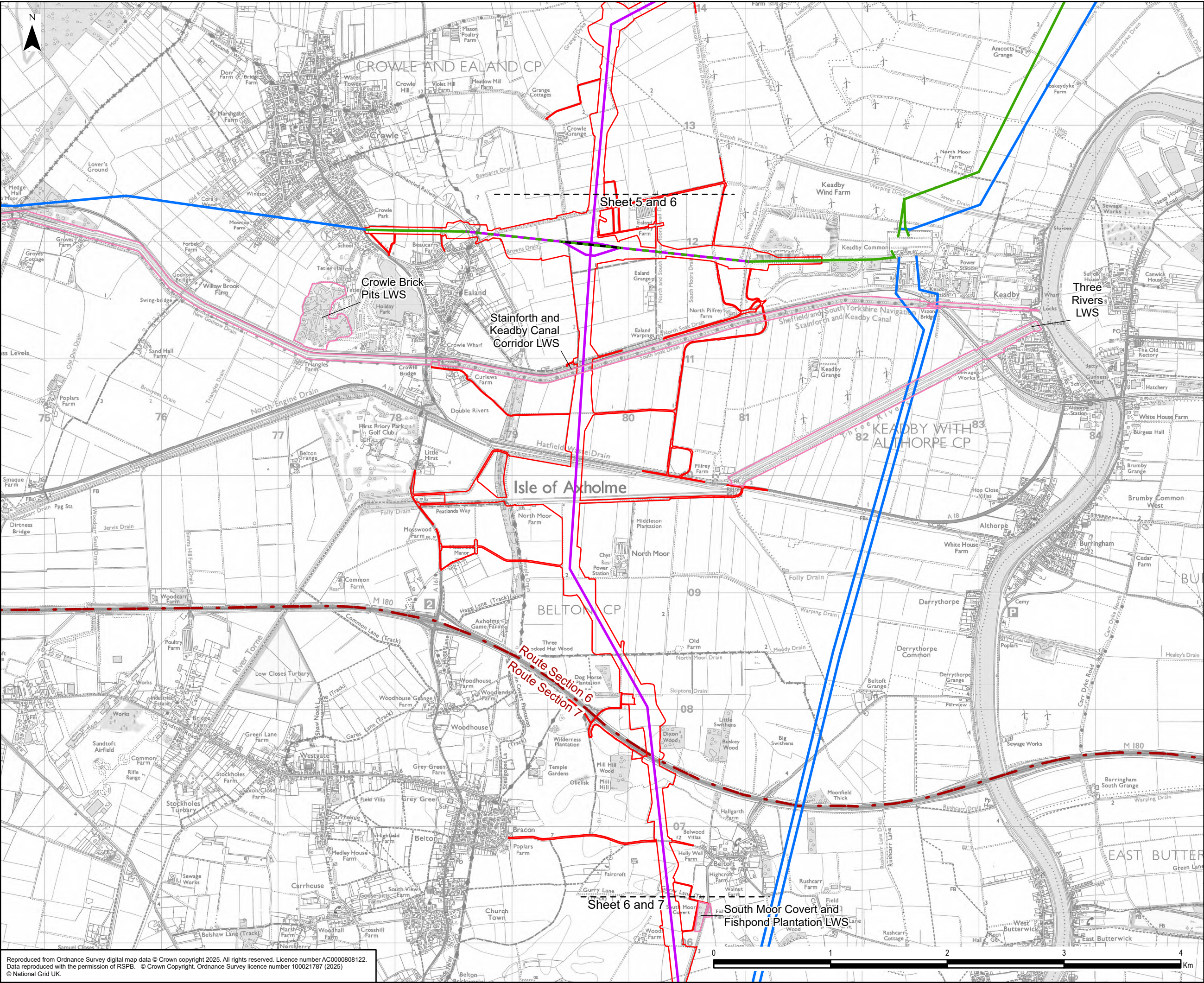
Non Statutory Designated Sites

Blacktoft Sands RSPB Reserve

Lincolnshire Local Wildlife Site (LWS)



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Scheme: NORTH HUMBER TO HIGH MARNHAM					
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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

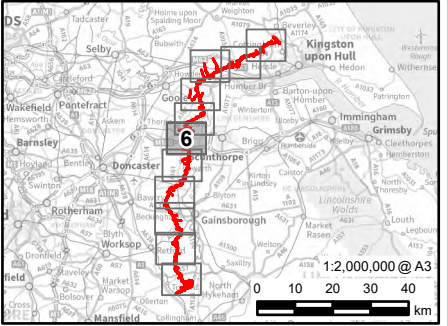
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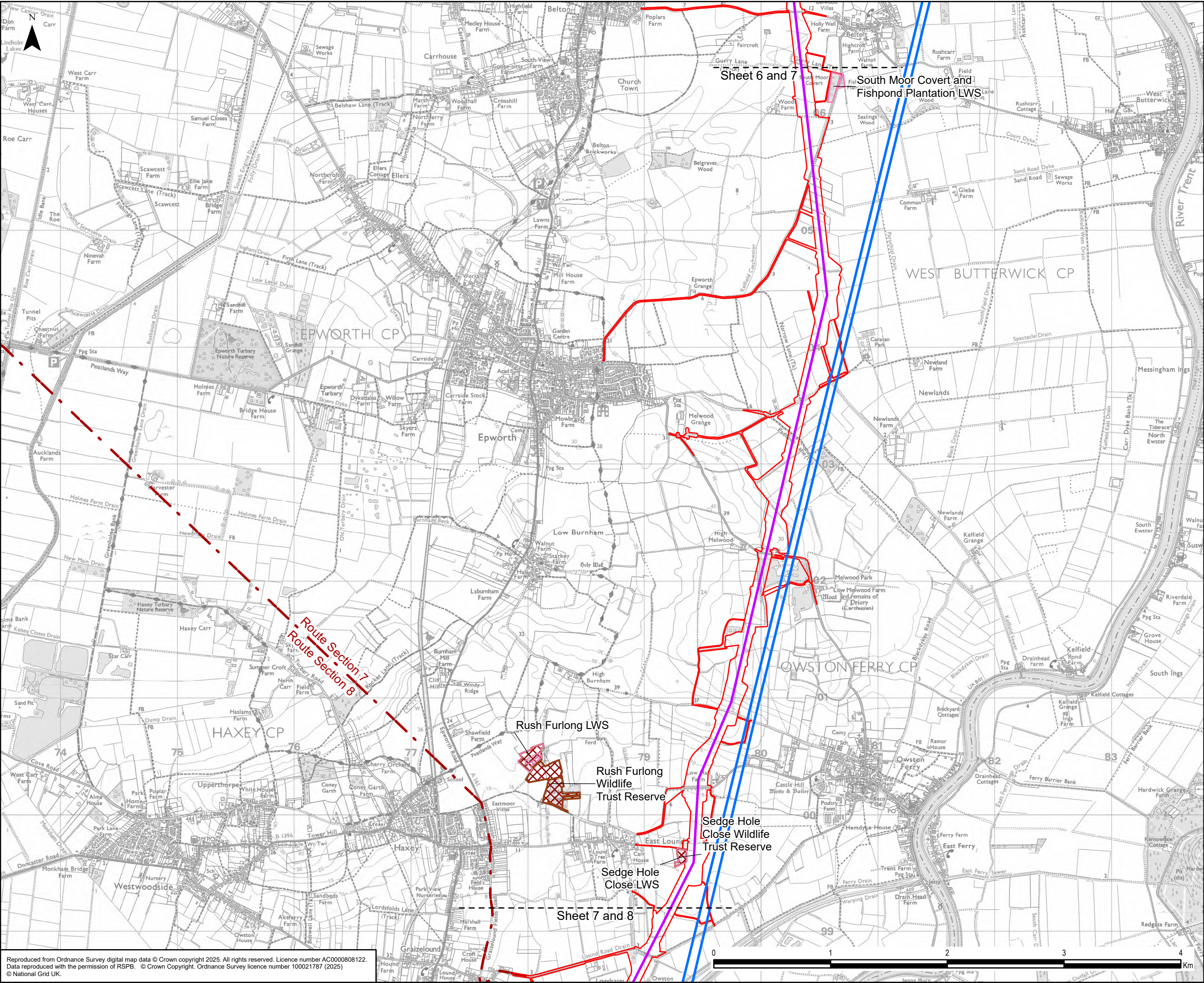
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Non Statutory Designated Sites

Lincolnshire Local Wildlife Site (LWS)



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Figure Title: FIGURE 9.12 - NON STATUTORY DESIGNATED SITES FOR ORNITHOLOGY					
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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

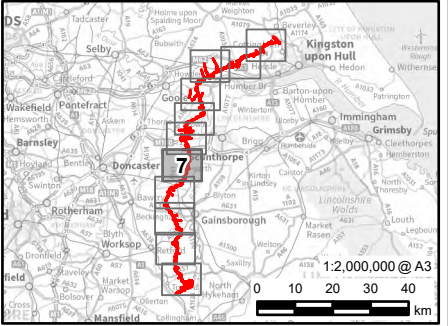
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Indicative New Overhead Line

Non Statutory Designated Sites

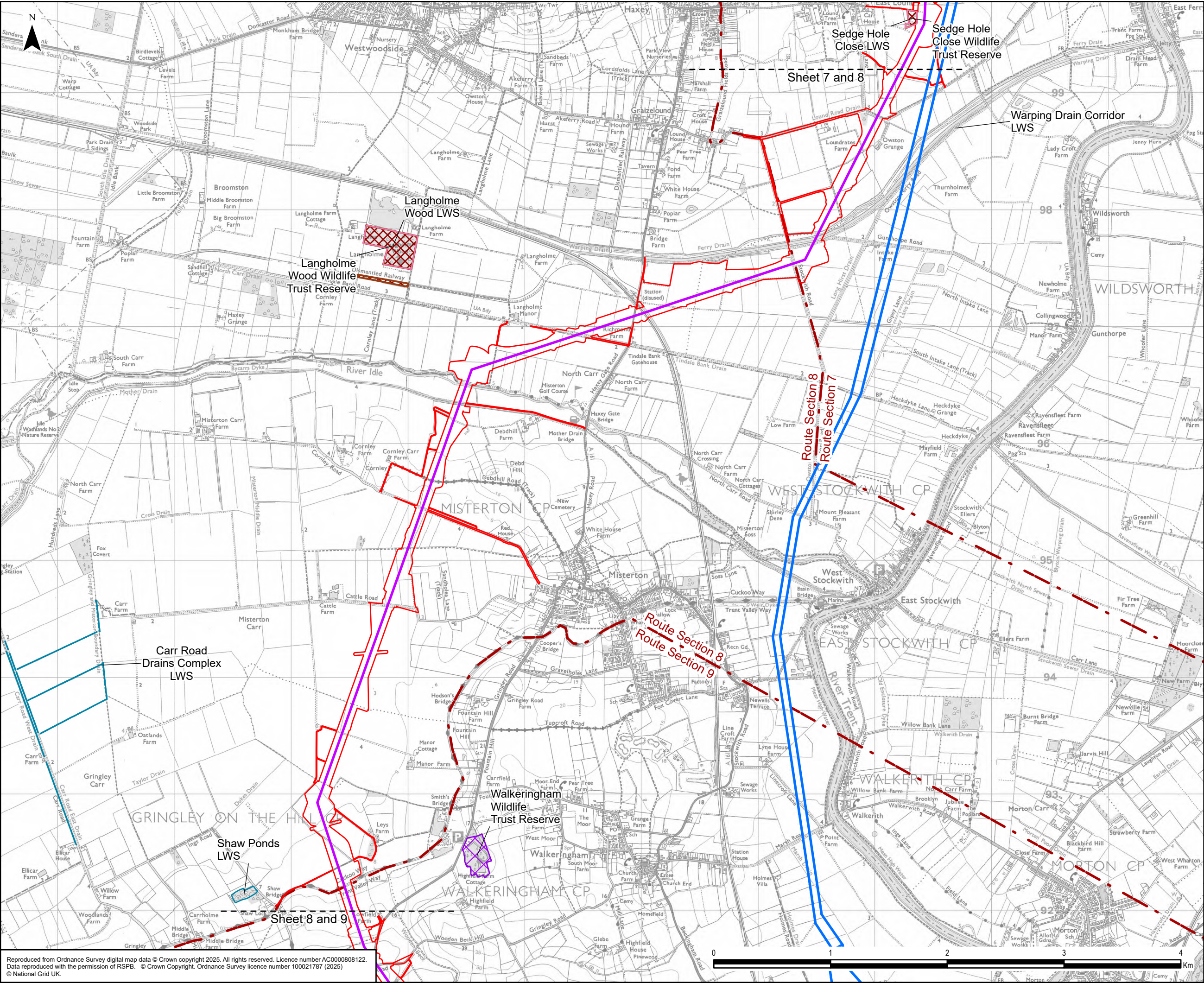
Lincolnshire Wildlife Trust Reserves

Lincolnshire Local Wildlife Site (LWS)



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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

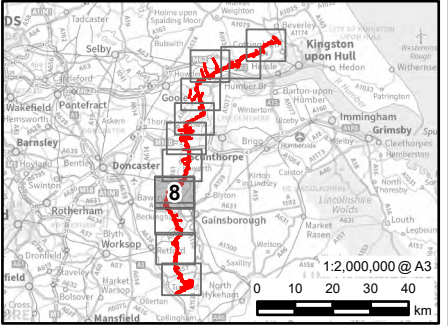
Non Statutory Designated Sites

Nottinghamshire Wildlife Trust Reserves

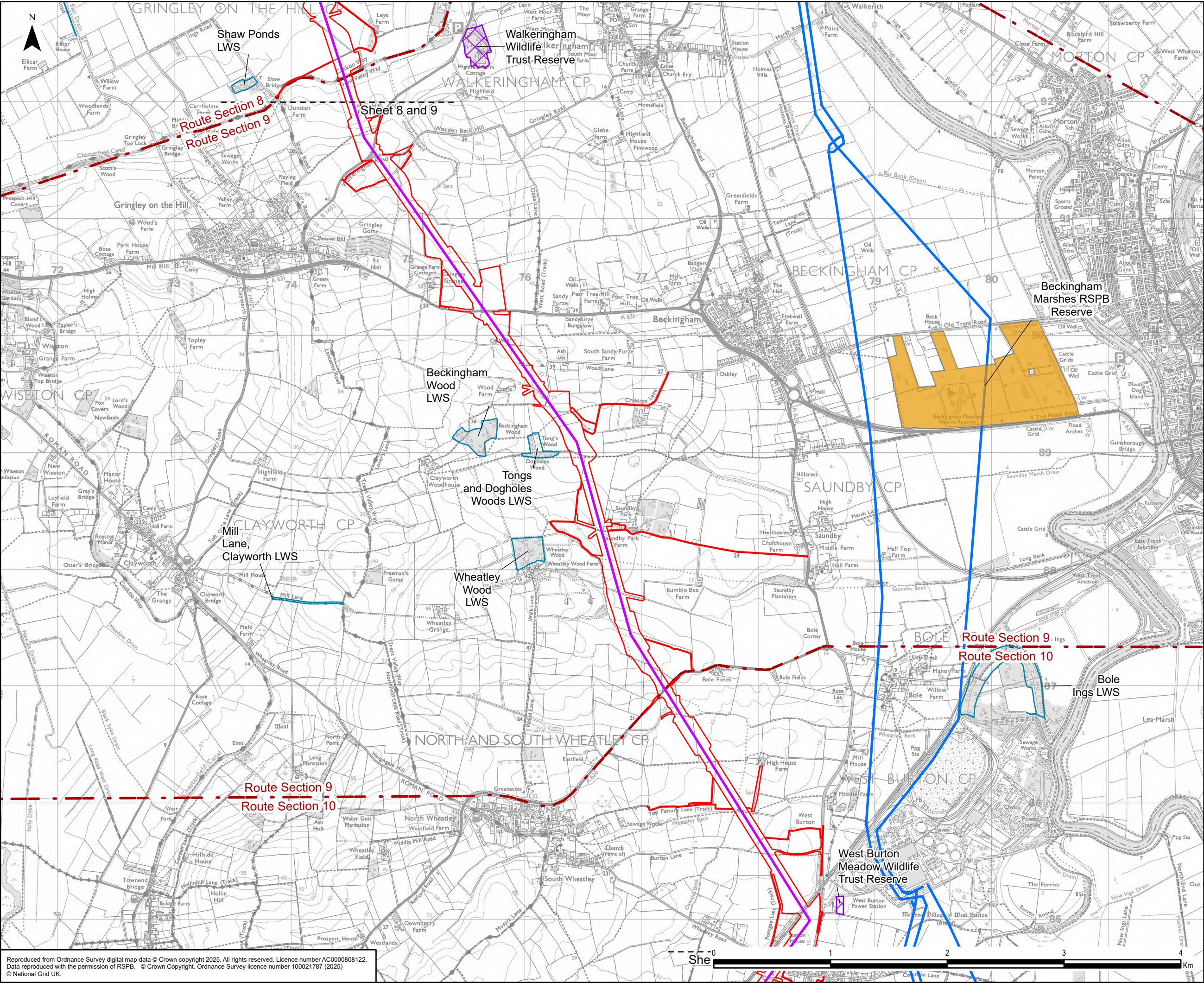
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Lincolnshire Local Wildlife Site (LWS)

Nottinghamshire Local Wildlife Site (LWS)



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Figure Ref: 9.12	Scale: 1:30,000	Format: A3	Sheets: 1 OF 1	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

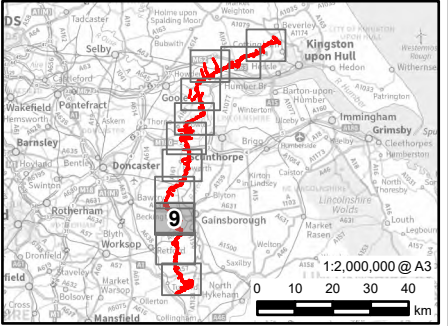
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Non Statutory Designated Sites

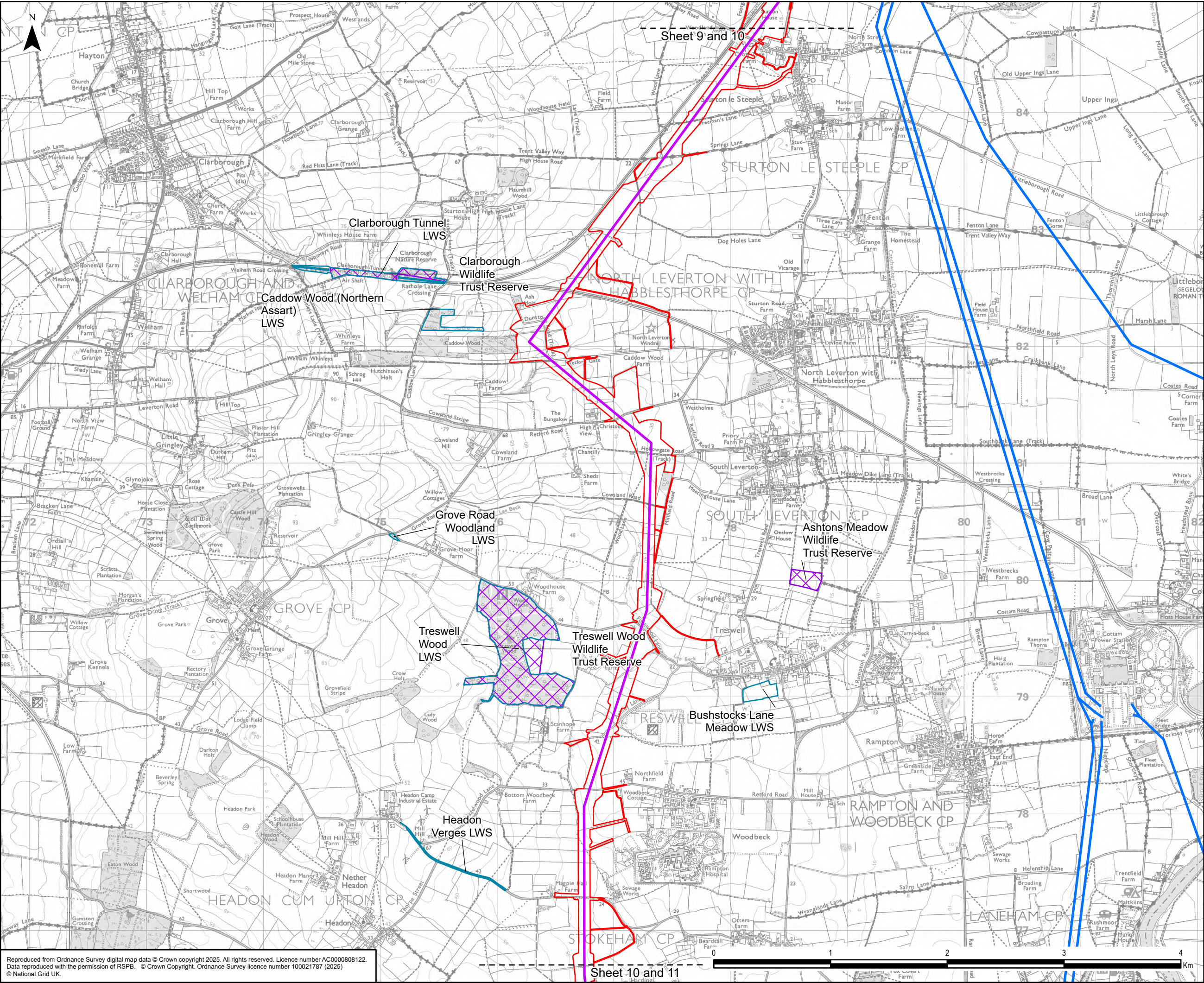
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Nottinghamshire Wildlife Trust Reserves

Nottinghamshire Local Wildlife Site (LWS)

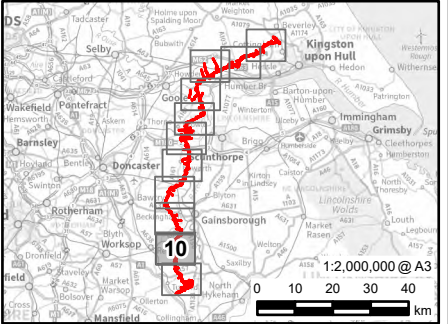


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Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.12 - NON STATUTORY DESIGNATED SITES FOR ORNITHOLOGY					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
Figure Ref: 9.12	Scale: 1:30,000	Format: A3	Sheets: 1 OF 1	Rev: 0.1	

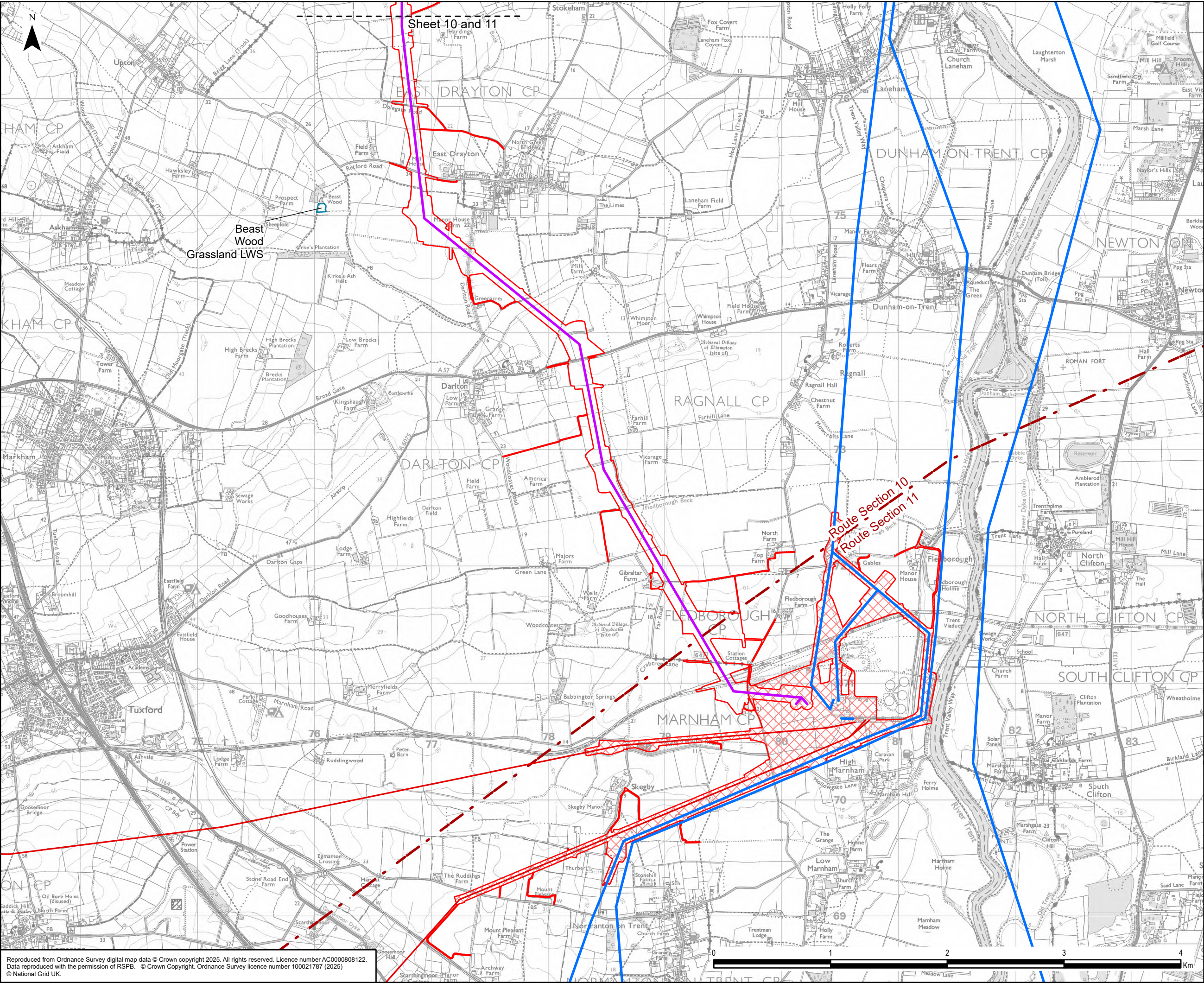


Legend

- Draft Order Limits
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Non Statutory Designated Sites
- Nottinghamshire Wildlife Trust Reserves
- Nottinghamshire Local Wildlife Site (LWS)



0.1	24/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.12 - NON STATUTORY DESIGNATED SITES FOR ORNITHOLOGY					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
Figure Ref: 9.12	Scale: 1:30,000	Format: A3	Sheets: 1 OF 1	Rev: 0.1	



Legend

Draft Order Limits

Proposed Substation Works

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

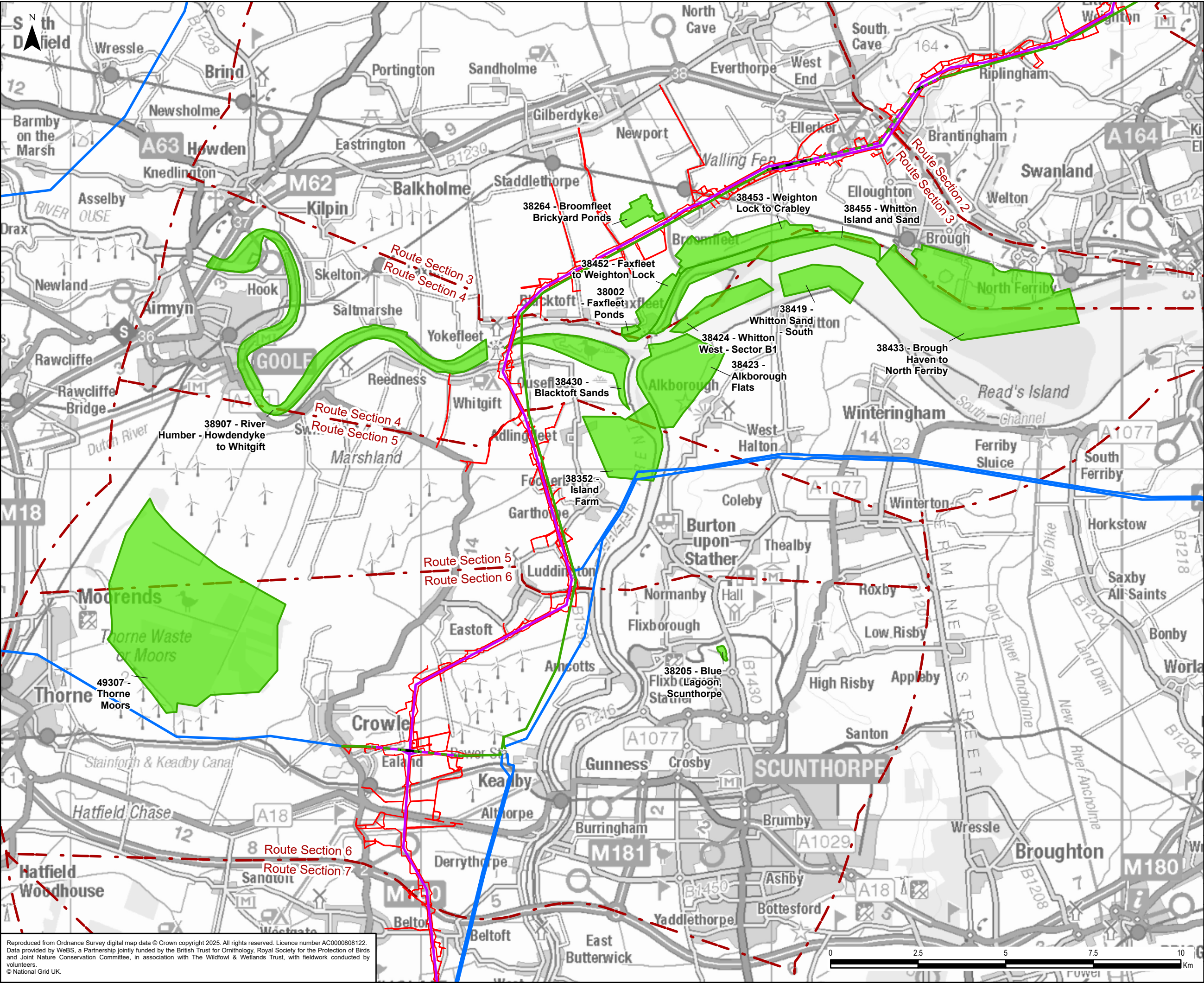
Non Statutory Designated Sites

Nottinghamshire Local Wildlife Site (LWS)

0.1	24/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.12 - NON STATUTORY DESIGNATED SITES FOR ORNITHOLOGY					
Creator: MH	Date: 24/01/2025	Checker: JG	Date: 24/01/2025	Approver: RW	Date: 24/01/2025
Figure Ref: 9.12	Scale: 1:30,000	Format: A3	Sheets: 1 OF 1	Rev: 0.1	

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Document Path: \\na.aecomnet.com\lts\EMEAManchester-UKMCR5\Legacy\UKMCR1FP002-V11E\Proposal3512\Humber Trent Green GIS\02_Maps\PEIR\CH9_Ornithology\Rev1\NHMM_PEIR_Fig9-12_Non-StatutoryDesignatedSites_20241118_MM.aprx



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

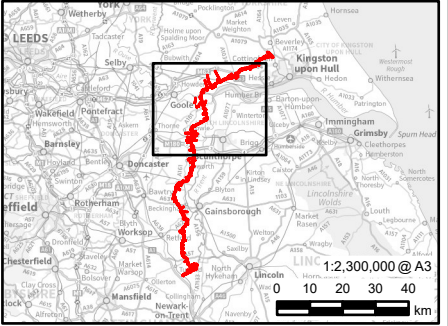
Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Ornithology Data

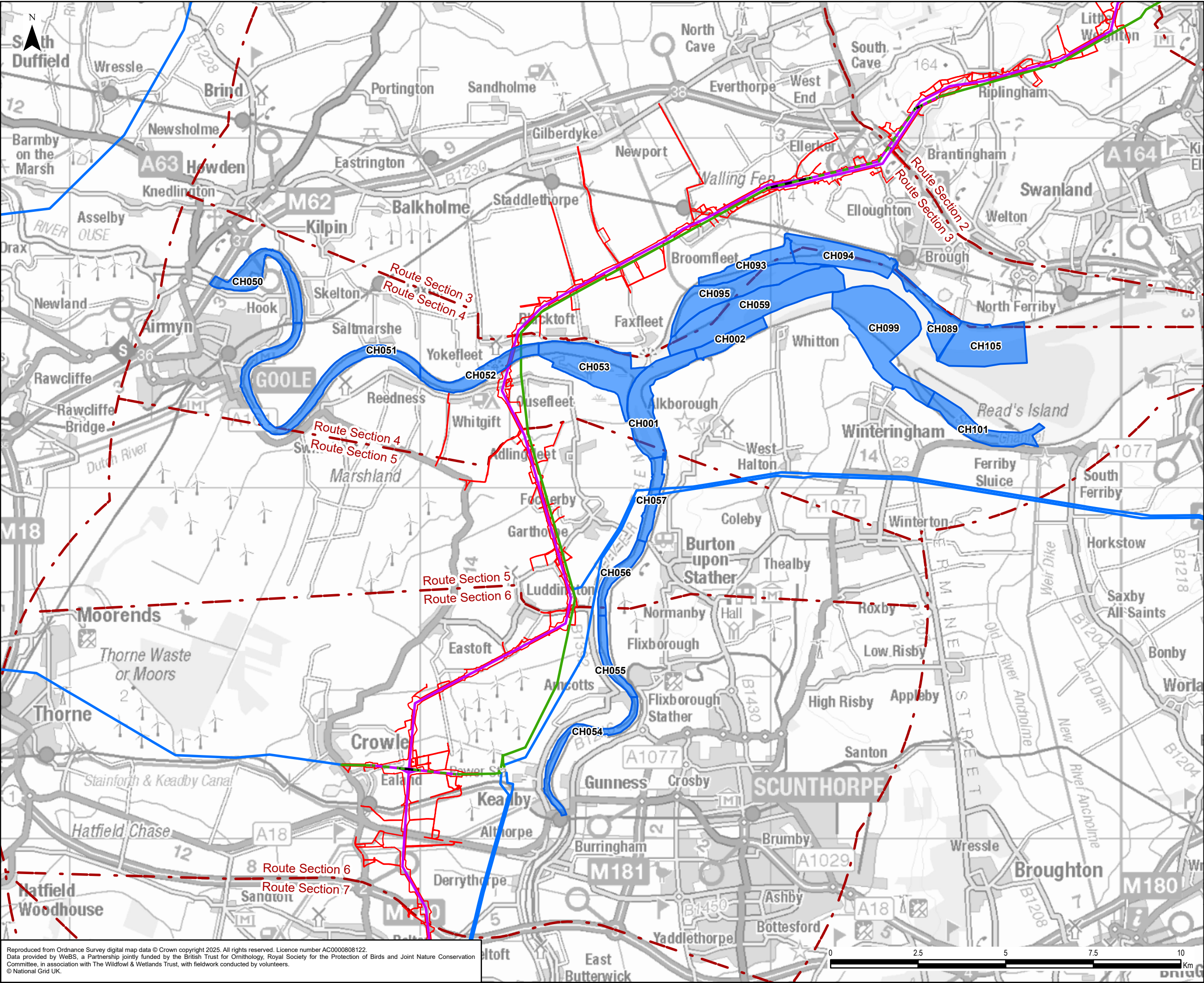
Wetland Bird Survey (WeBS) Core Count Sector

Note:
Figure only displays segments of the Project where Wetland Bird Survey (WeBS) Core Count Sector data are present.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.13 - BRITISH TRUST FOR ORNITHOLOGY WETLAND BIRD SURVEY CORE COUNT SECTORS					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RW	Date: 23/01/2025
Figure Ref: 9.13	Scale: 1:100,000	Format: A3	Sheets: of	Rev: 0.1	

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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

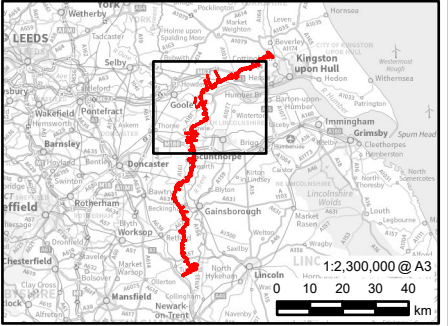
Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Ornithology Data

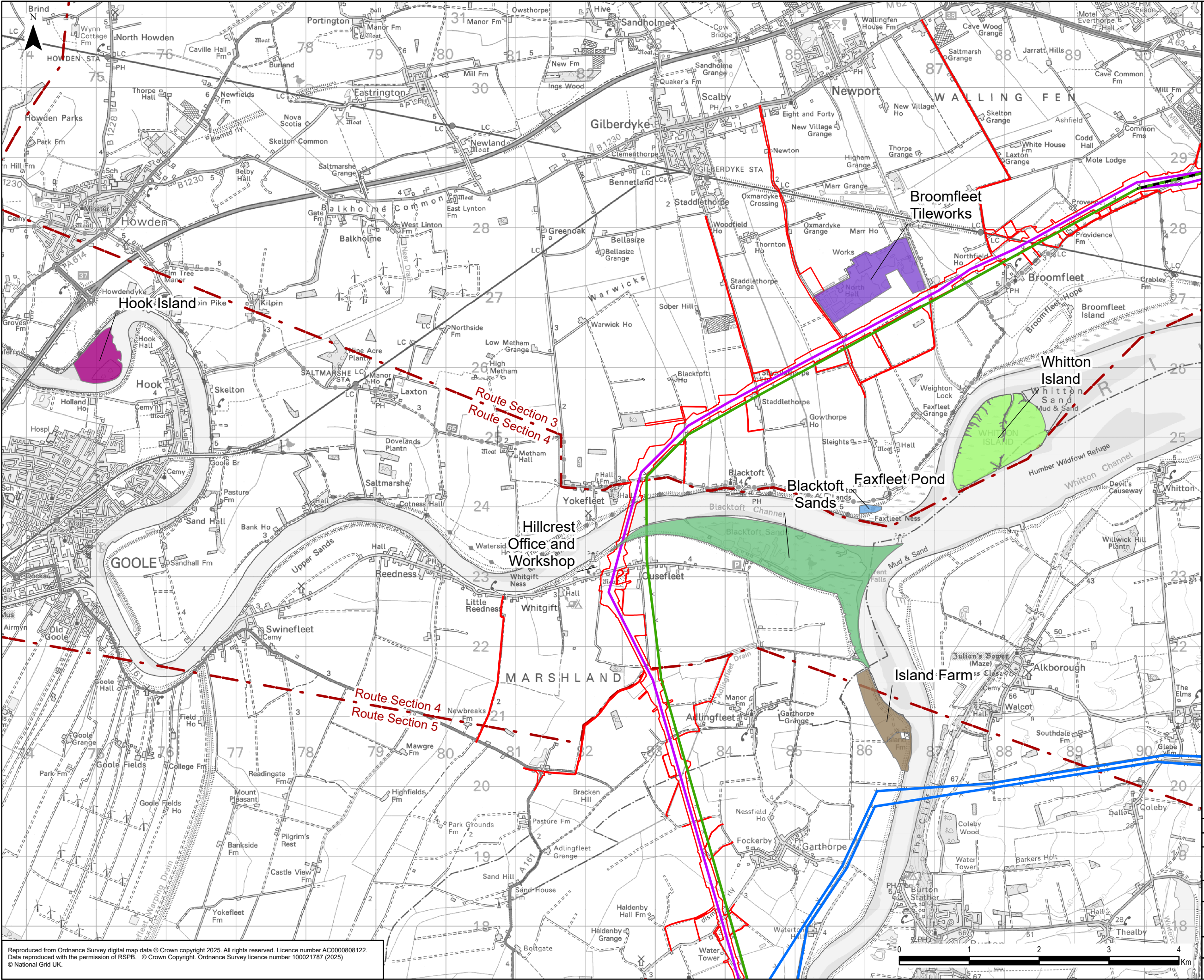
Wetland Bird Survey (WeBS) Low Tide Sector

Note:
Figure only displays segments of the Project where Wetland Bird Survey (WeBS) Core Count Sector data are present.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.14 - BRITISH TRUST FOR ORNITHOLOGY WETLAND BIRD SURVEY LOW TIDE SECTORS					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RW	Date: 23/01/2025
Figure Ref: 9.14	Scale: 1:100,000	Format: A3	Sheets: of	Rev: 0.1	

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Data provided by WeBS, a Partnership jointly funded by the British Trust for Ornithology, Royal Society for the Protection of Birds and Joint Nature Conservation Committee, in association with The Wildfowl & Wetlands Trust, with fieldwork conducted by volunteers.
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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Dismantled

RSPB Monitored Sites

Blacktoft Sands

Faxfleet Pond

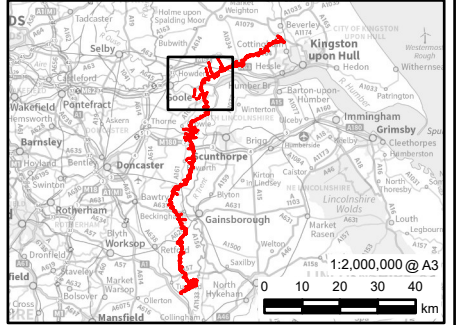
Hook Island

Island Farm

Whitton Island

Broomfleet Tileworks

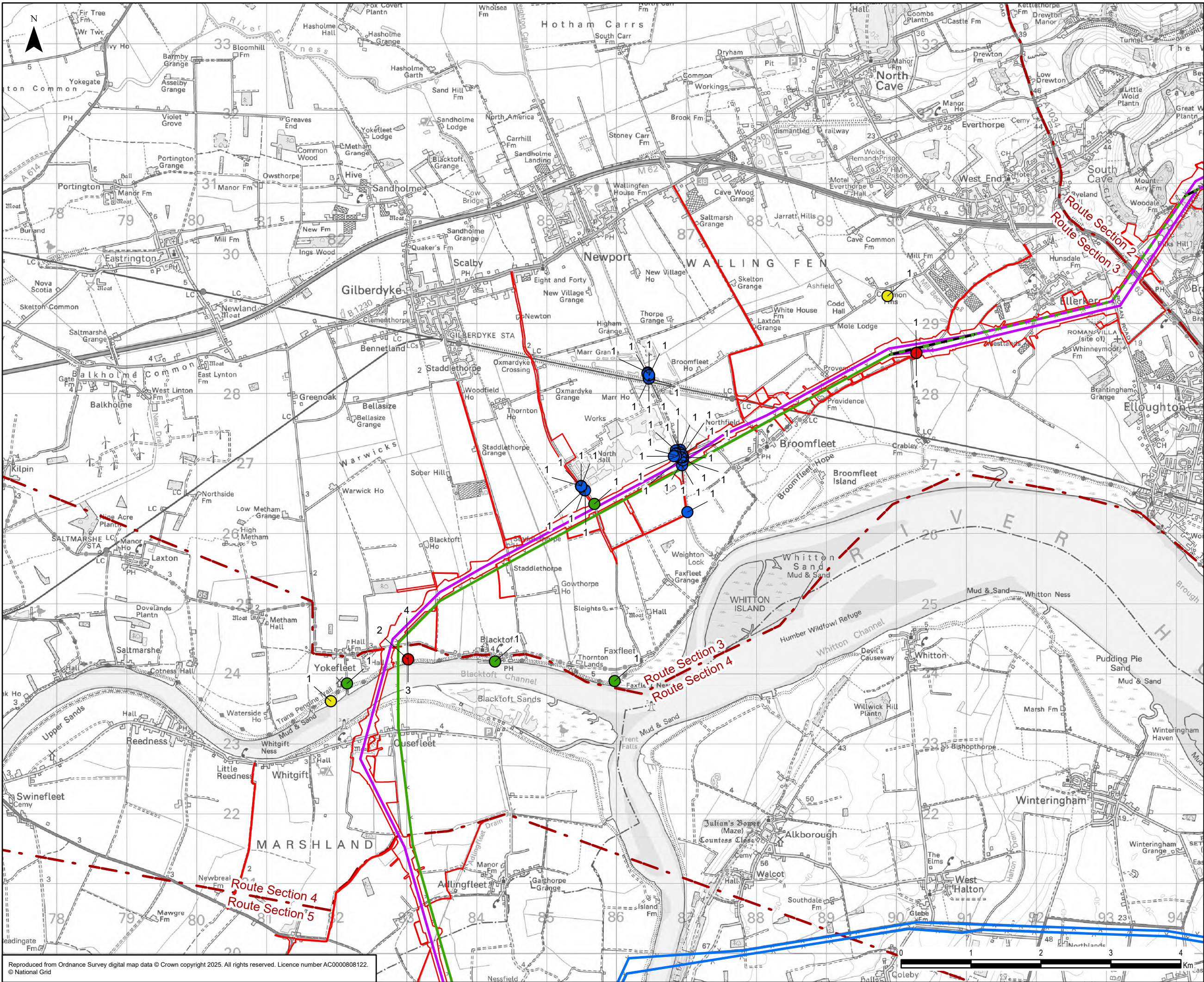
Note:
Figure only displays segments of the Project where RSPB Monitored Site data are present.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.15 - RSPB MONITORED SITES					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RW	Date: 23/01/2025
Figure Ref: 9.15	Scale: 1:50,000	Format: A3	Sheets: 1 OF 1	Rev: 0.1	

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Figure 9.16 - redacted due to confidential information



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Survey Type

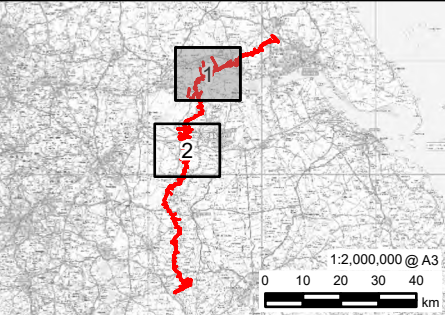
Breeding Bird Survey (BBS)

Functionally Linked Land (FLL) Survey

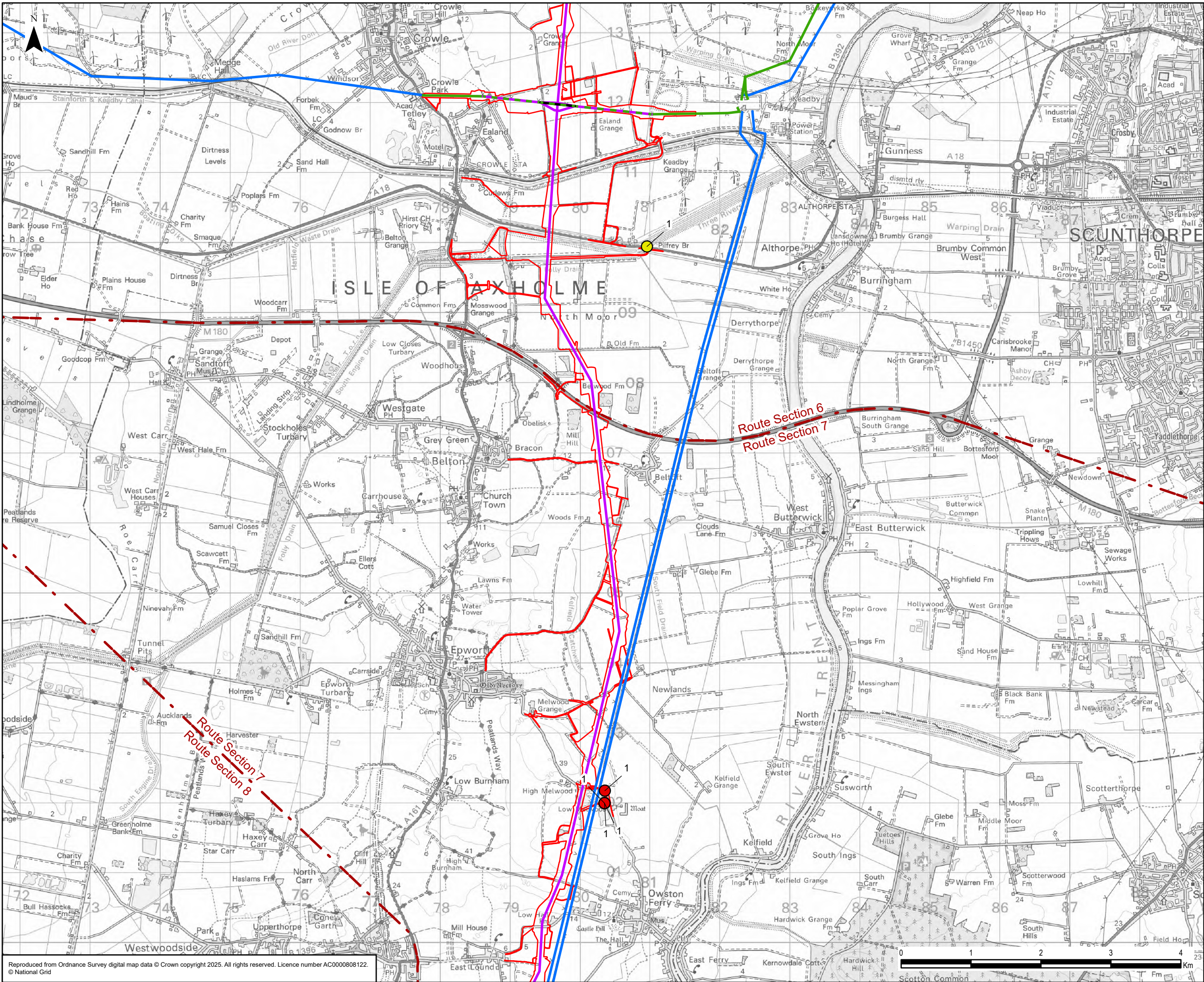
Field Count

Vantage Point (VP) Survey

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.17 - CETT'S WARBLER HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.17	Scale: 1:50,000	Format: A3	Sheets: 1 OF 2	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

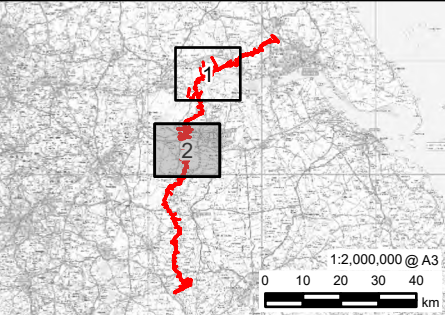
Existing Overhead Line to be Dismantled

Survey Type

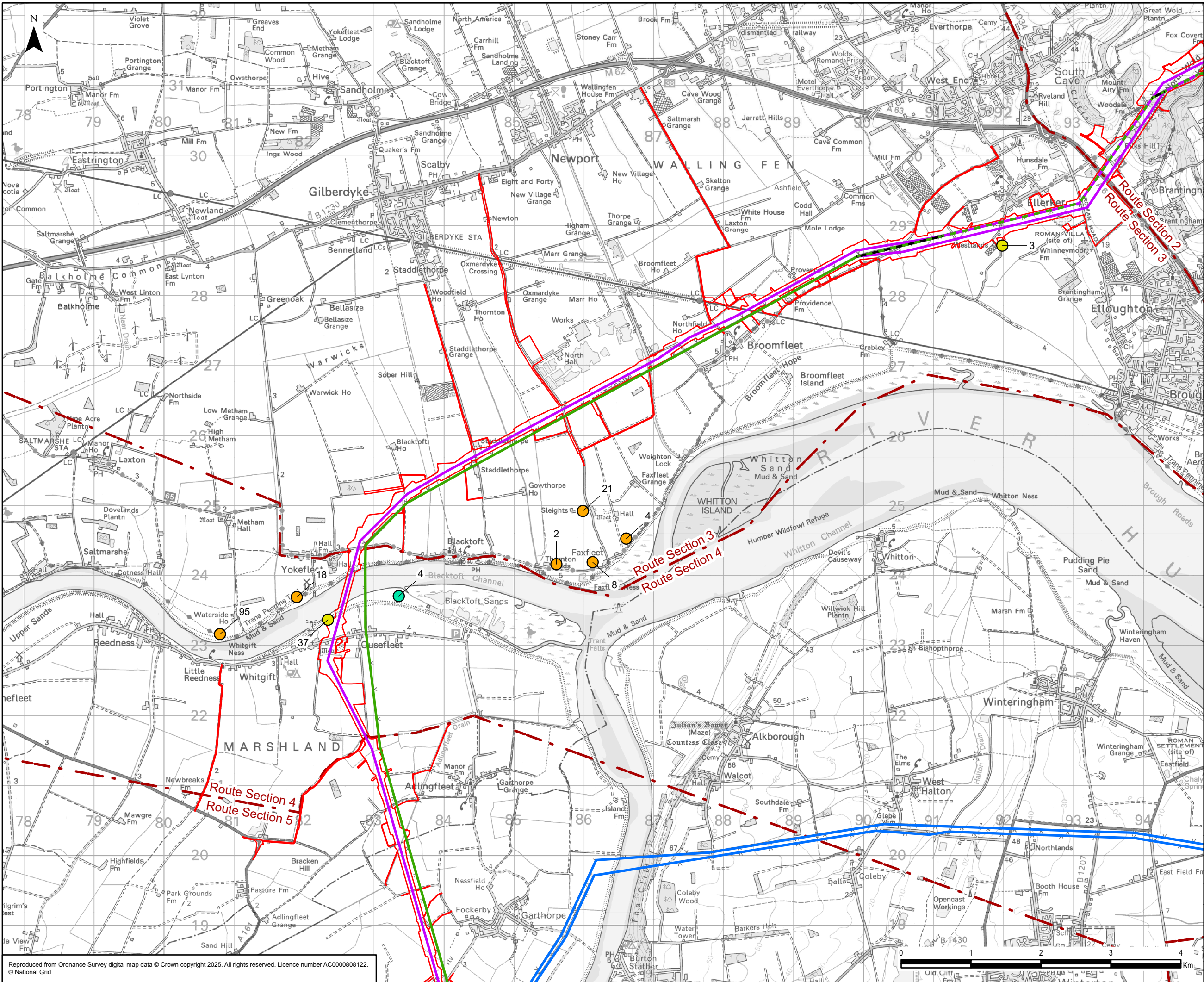
Breeding Bird Survey (BBS)

Functionally Linked Land (FLL) Survey

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.17 - CETTIS WARBLER HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.17	Scale: 1:50,000	Format: A3	Sheets: 2 OF 2	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Survey Type

● Functionally Linked Land (FLL) Survey

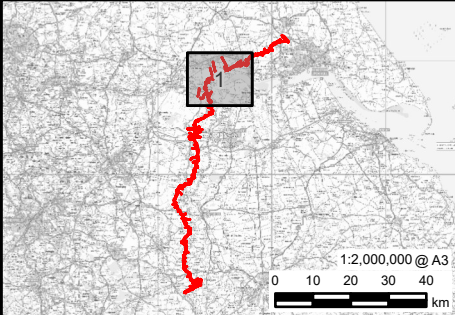
● Field Count Ousefleet

● Field Count Yokefleet

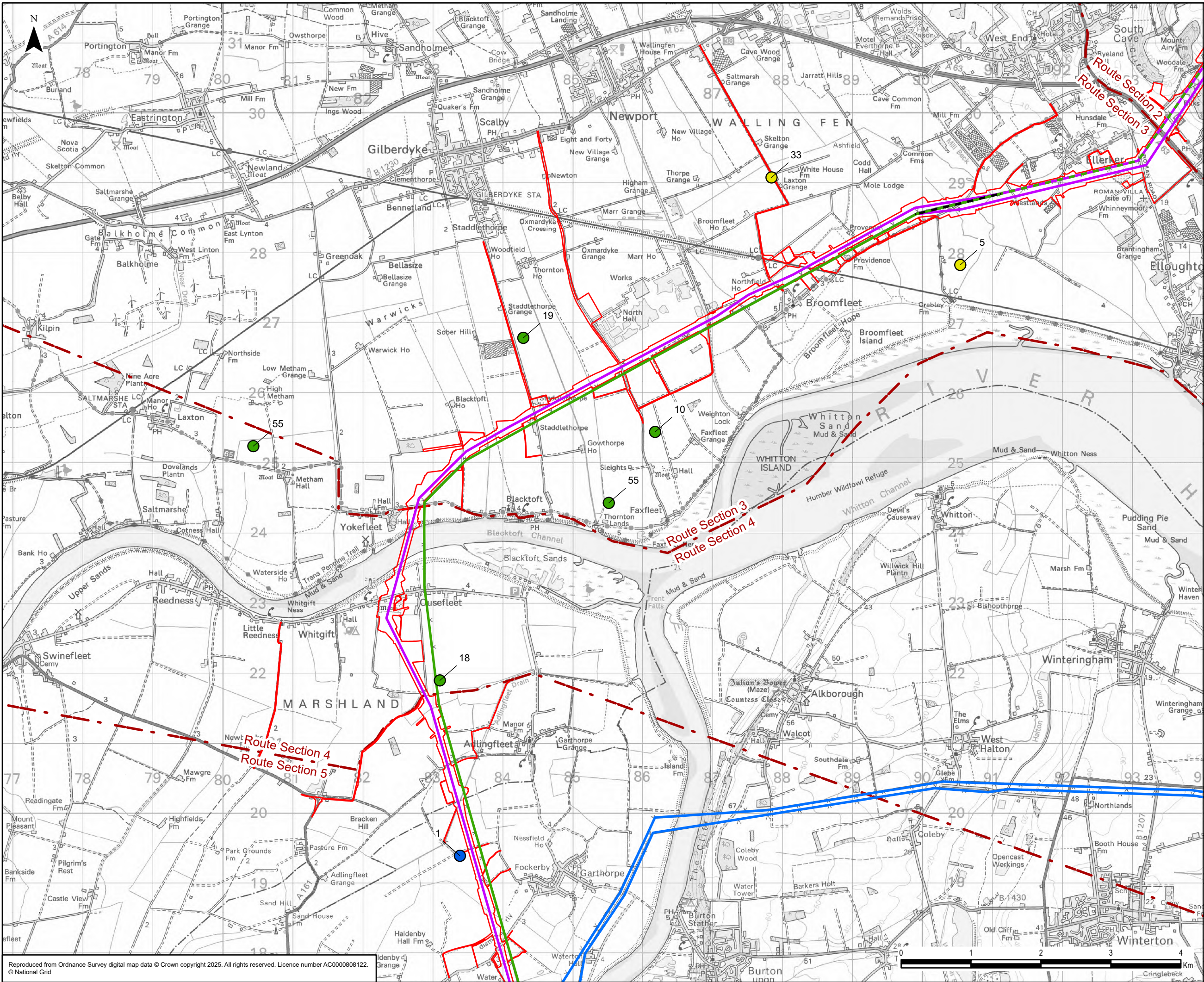
Note:

1. Figure only displays segments of the Project where Bird Habitat Use data are present

2. The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.18 - CURLEW HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.18	Scale: 1:50,000	Format: A3	Sheets: 1 OF 1	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Survey Type

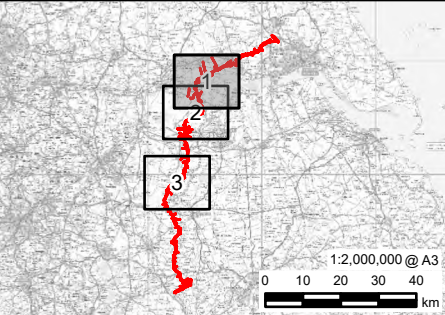
Functionally Linked Land (FLL) Survey

Field Count

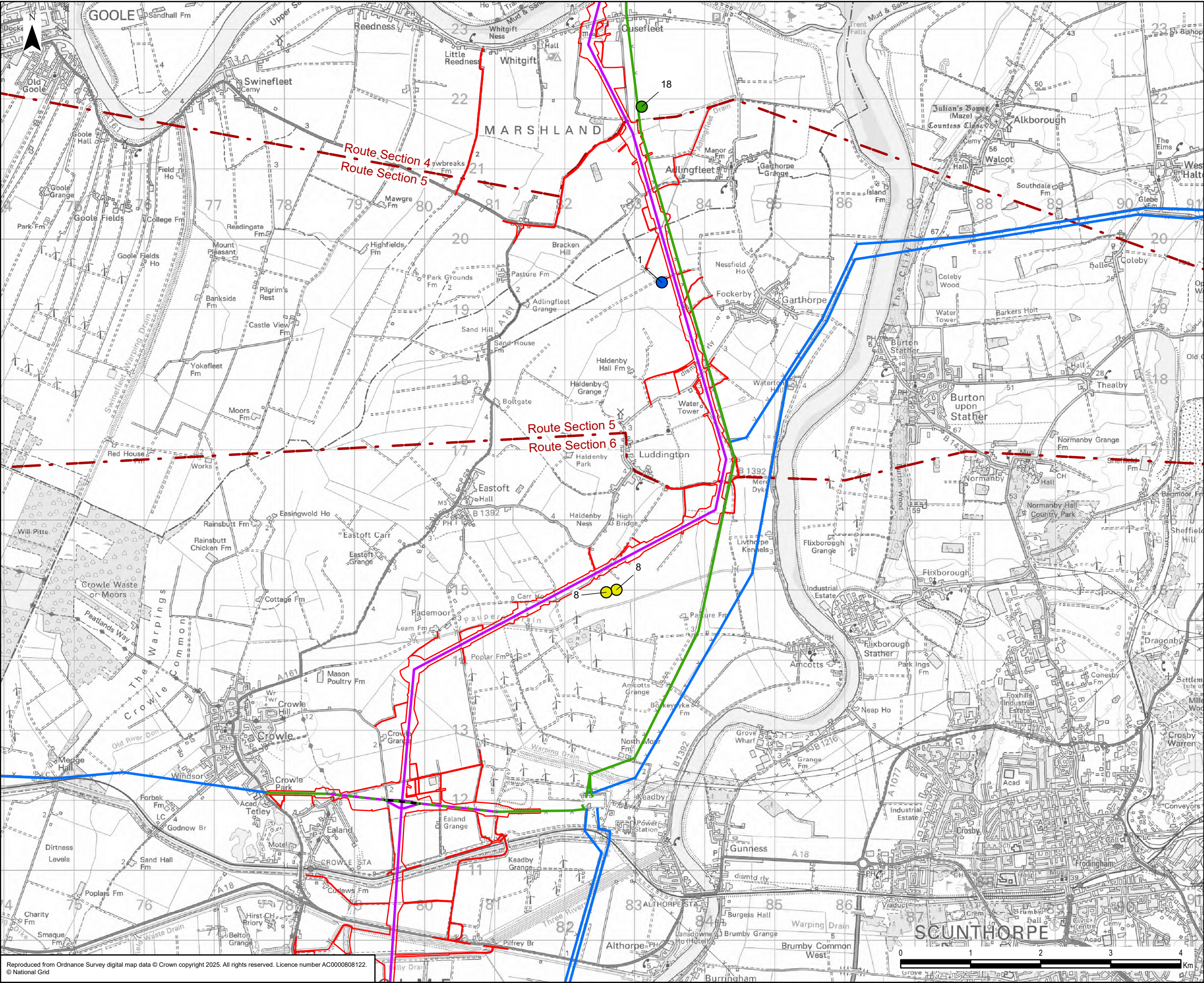
Vantage Point (VP) Survey

Note:

- Figure only displays segments of the Project where Bird Habitat Use data are present
- The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.19 - GOLDEN PLOVER HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.19	Scale: 1:50,000	Format: A3	Sheets: 1 OF 3	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Survey Type

Functionally Linked Land (FLL) Survey

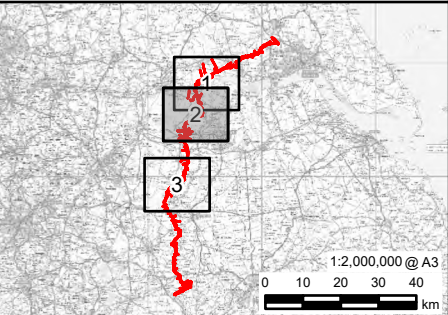
Field Count

Vantage Point (VP) Survey

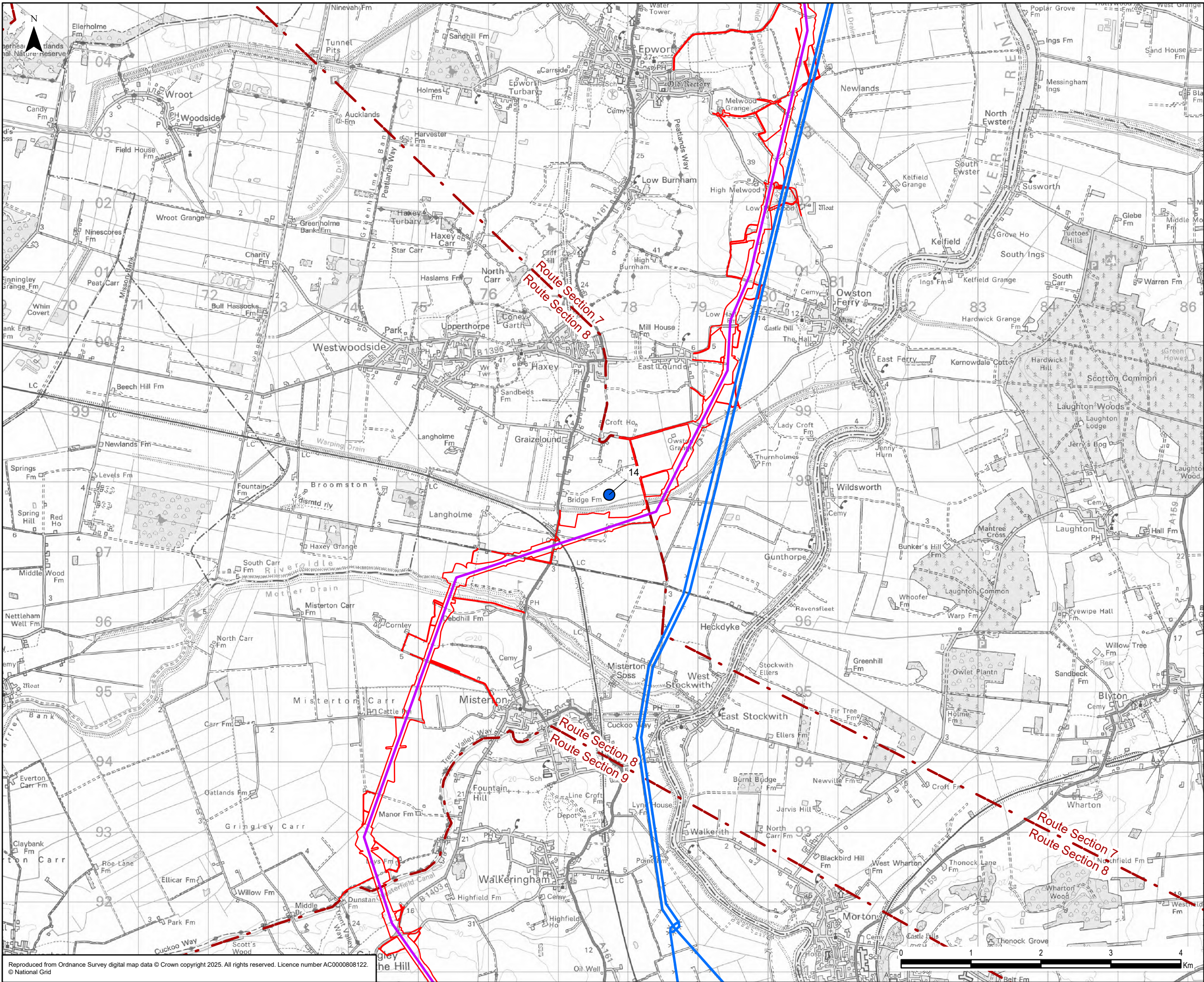
Note:

1. Figure only displays segments of the Project where Bird Habitat Use data are present

2. The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.19 - GOLDEN PLOVER HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.19	Scale: 1:50,000	Format: A3	Sheets: 2 OF 3	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

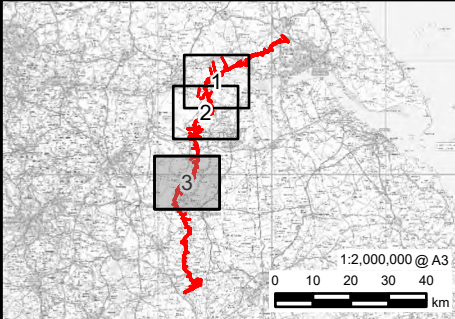
Proposed Project Design Details

Indicative New Overhead Line

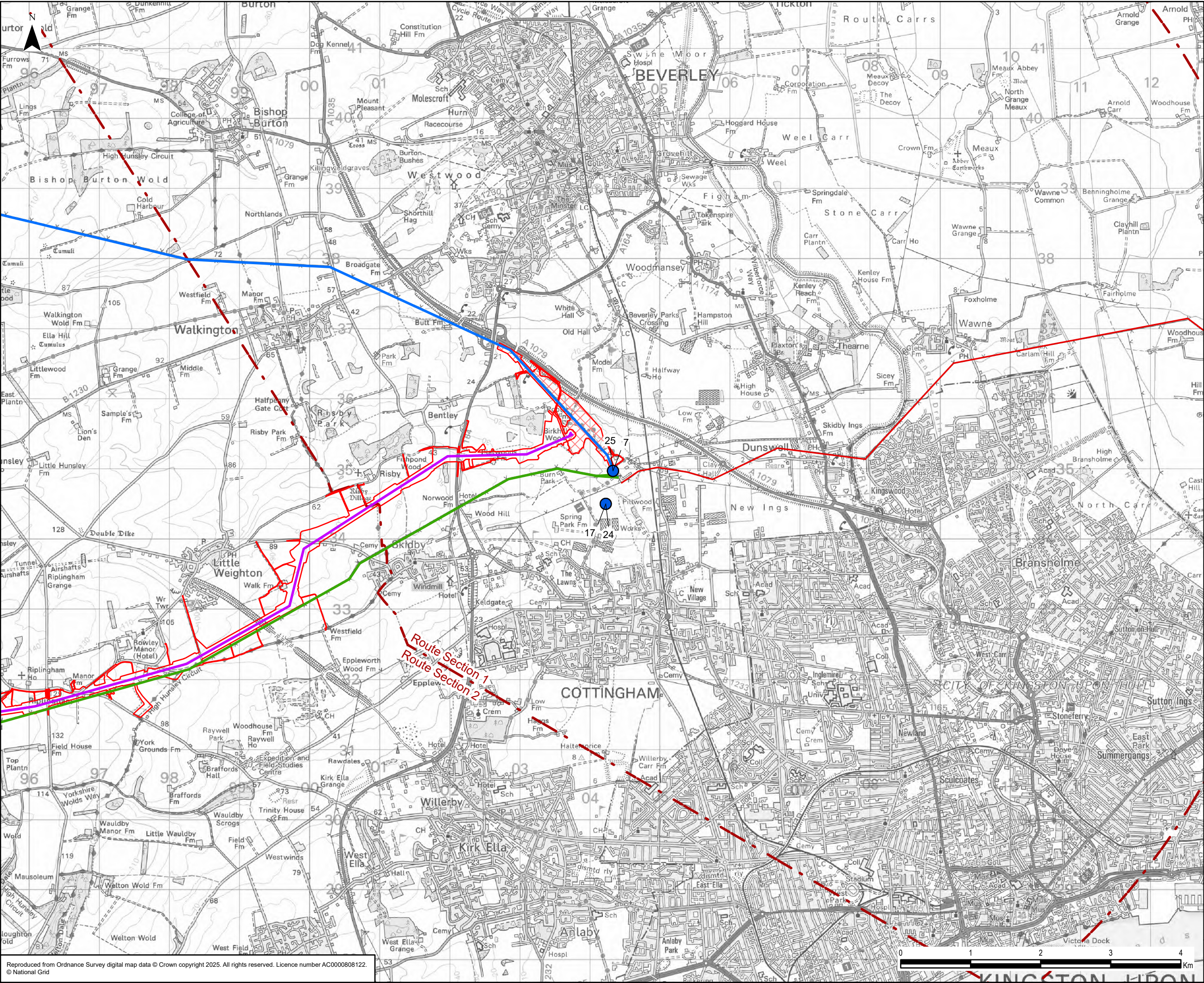
Survey Type

Vantage Point (VP) Survey

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.19 - GOLDEN PLOVER HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RHM	Date: 23/01/2025
Figure Ref: 9.19	Scale: 1:50,000	Format: A3	Sheets: 3 OF 3	Rev: 0.1	



Legend

Draft Order Limits

Proposed Substation Works

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

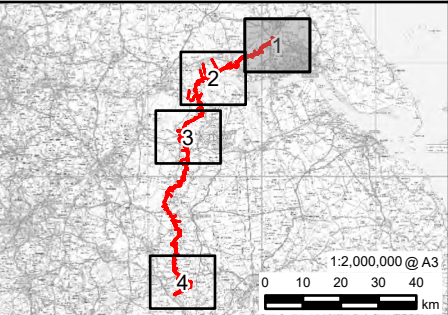
Existing Overhead Line Not Affected

Survey Type

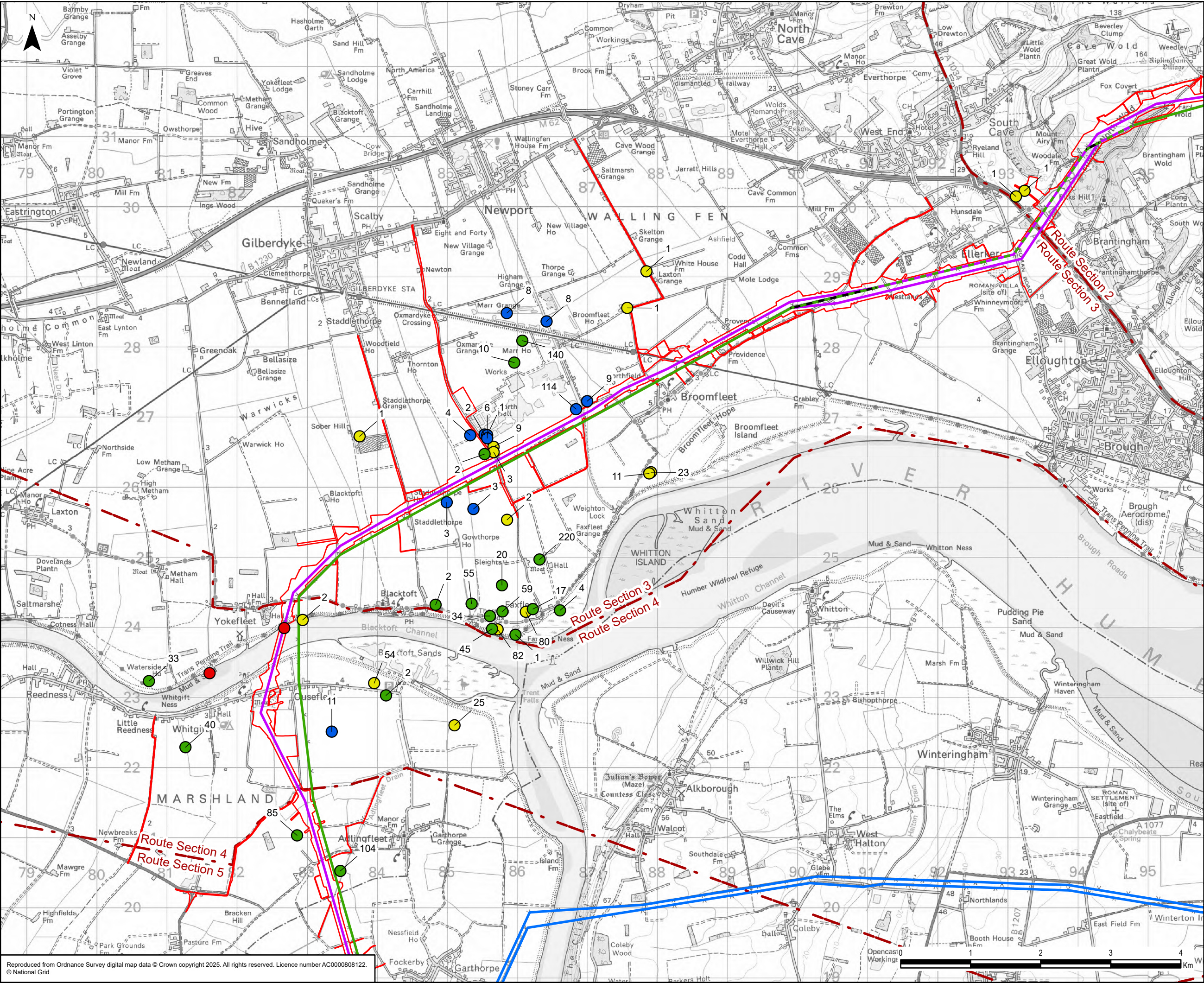
Vantage Point (VP) Survey

Note:

- Figure only displays segments of the Project where Bird Habitat Use data are present
- The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.20 - GREYLAG GOOSE HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.20	Scale: 1:50,000	Format: A3	Sheets: 1 OF 4	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Survey Type

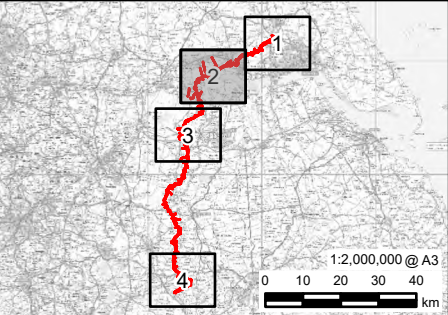
Breeding Bird Survey (BBS)

Functionally Linked Land (FLL) Survey

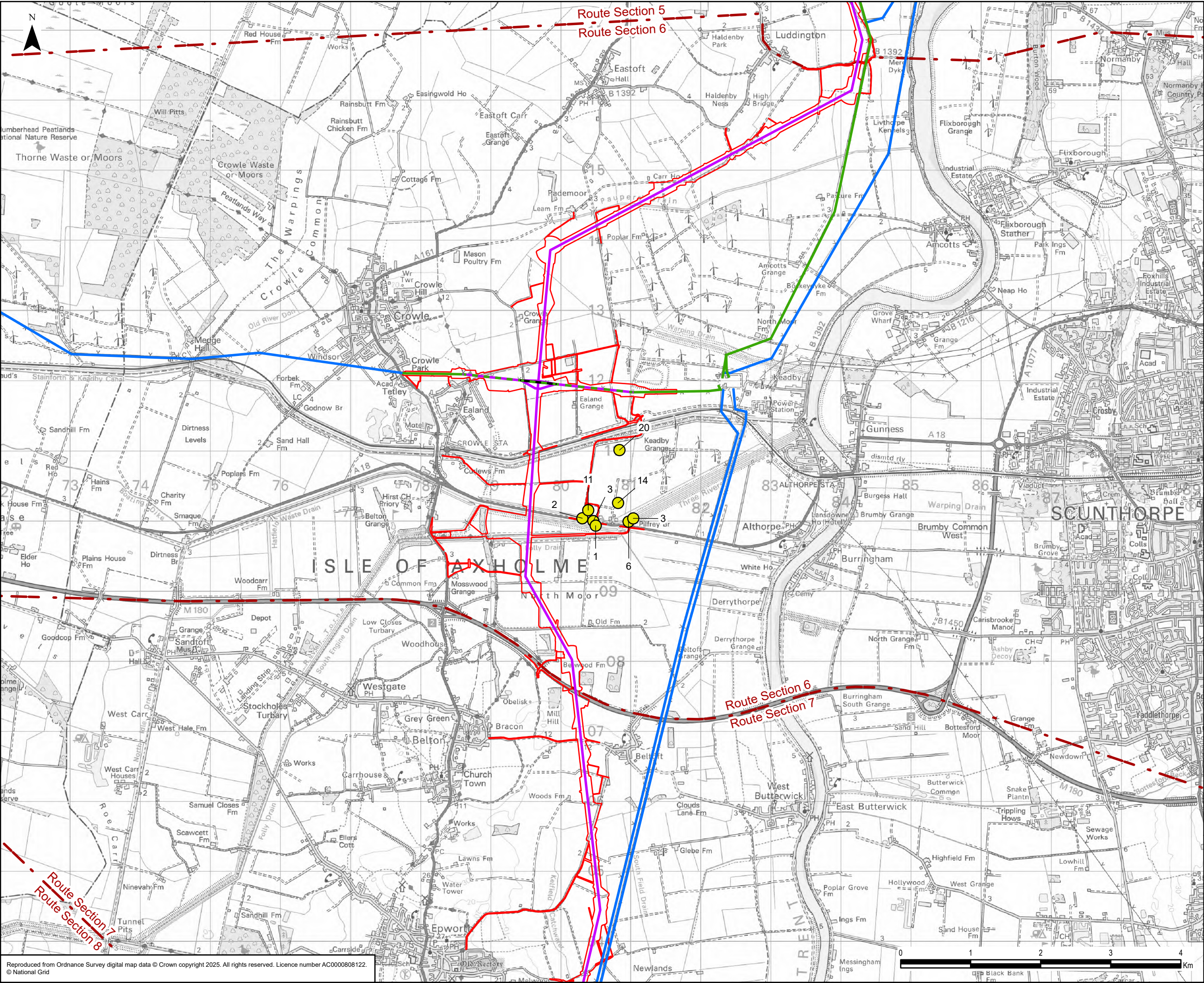
Field Count

Vantage Point (VP) Survey

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.20 - GREYLAG GOOSE HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.20	Scale: 1:50,000	Format: A3	Sheets: 2 OF 4	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

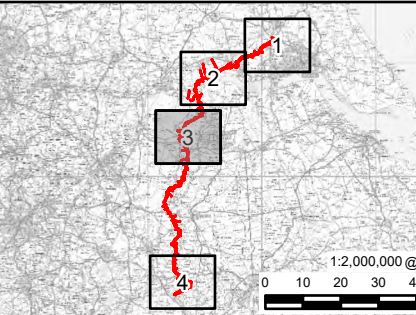
Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

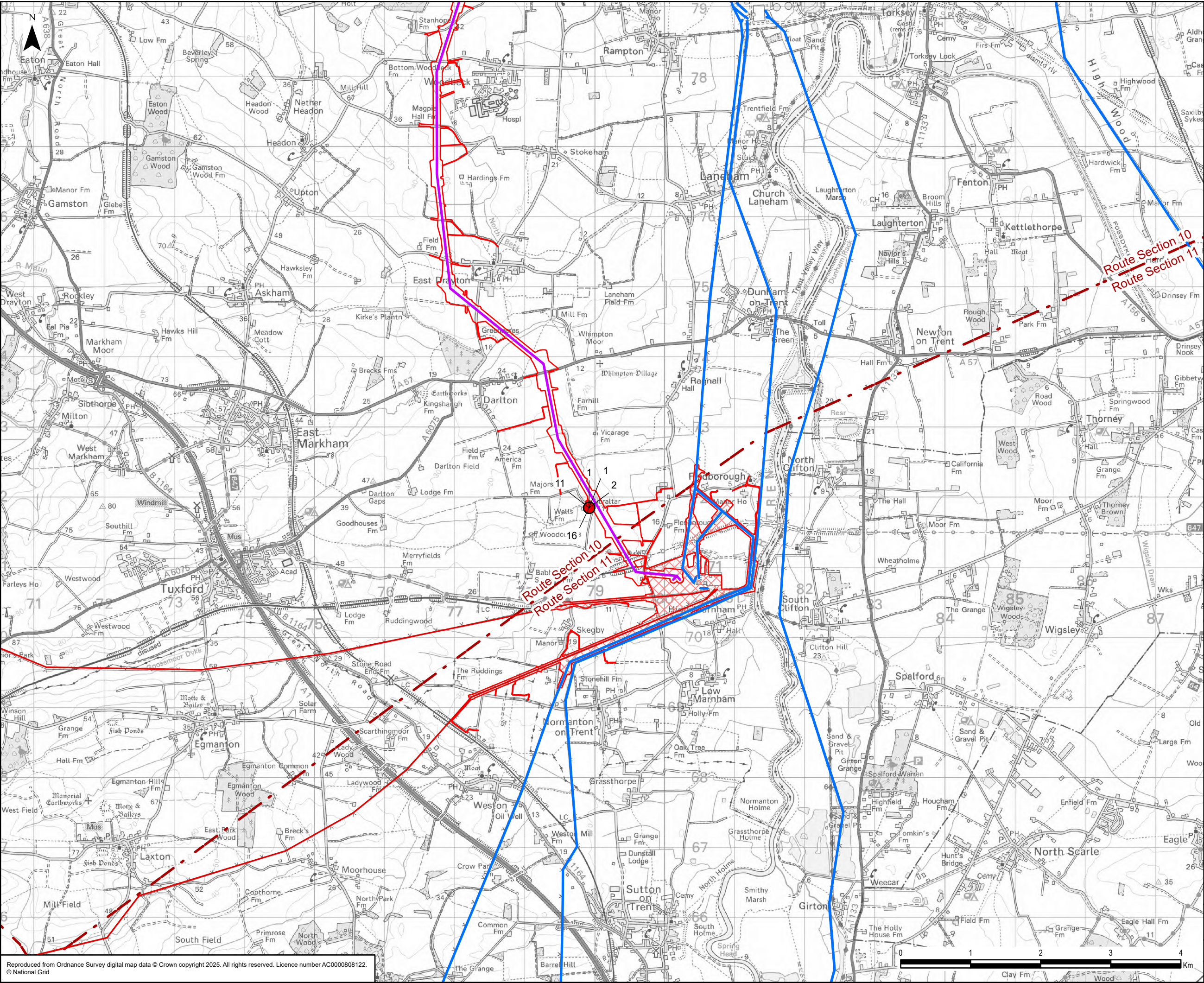
Survey Type

Functionally Linked Land (FLL) Survey

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.20 - GREYLAG GOOSE HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.20	Scale: 1:50,000	Format: A3	Sheets: 3 OF 4	Rev: 0.1	



Legend

Draft Order Limits

Proposed Substation Works

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Survey Type

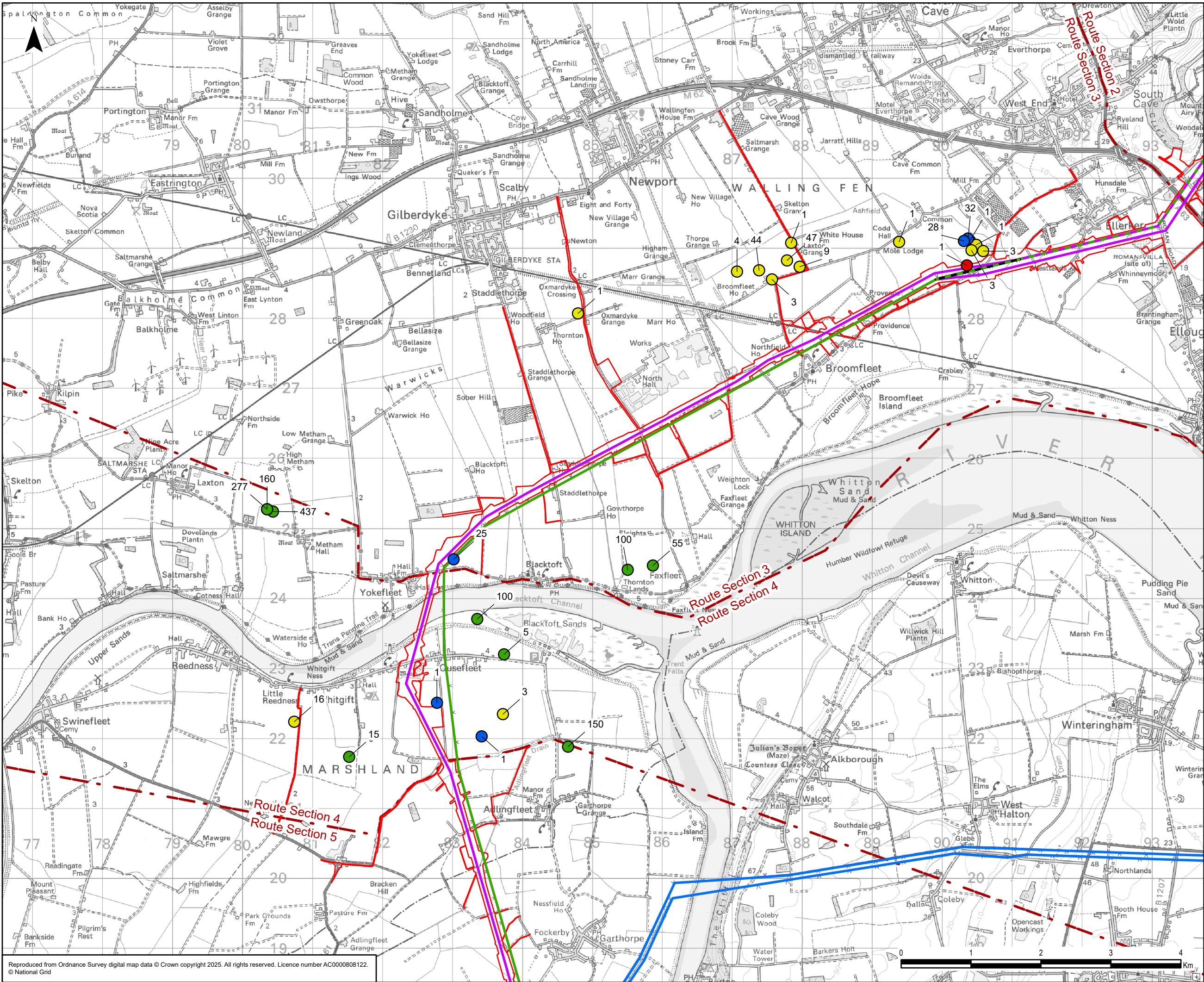
Breeding Bird Survey (BBS)

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.

0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.20 - GREYLAG GOOSE HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.20	Scale: 1:50,000	Format: A3	Sheets: 4 OF 4	Rev: 0.1	

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Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Survey Type

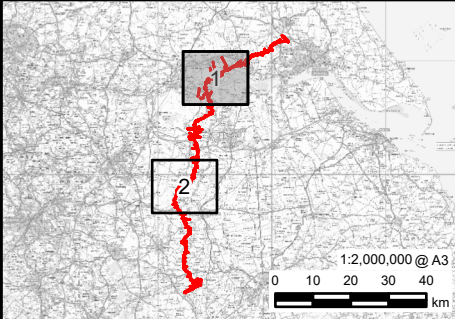
Breeding Bird Survey (BBS)

Functionally Linked Land (FLL) Survey

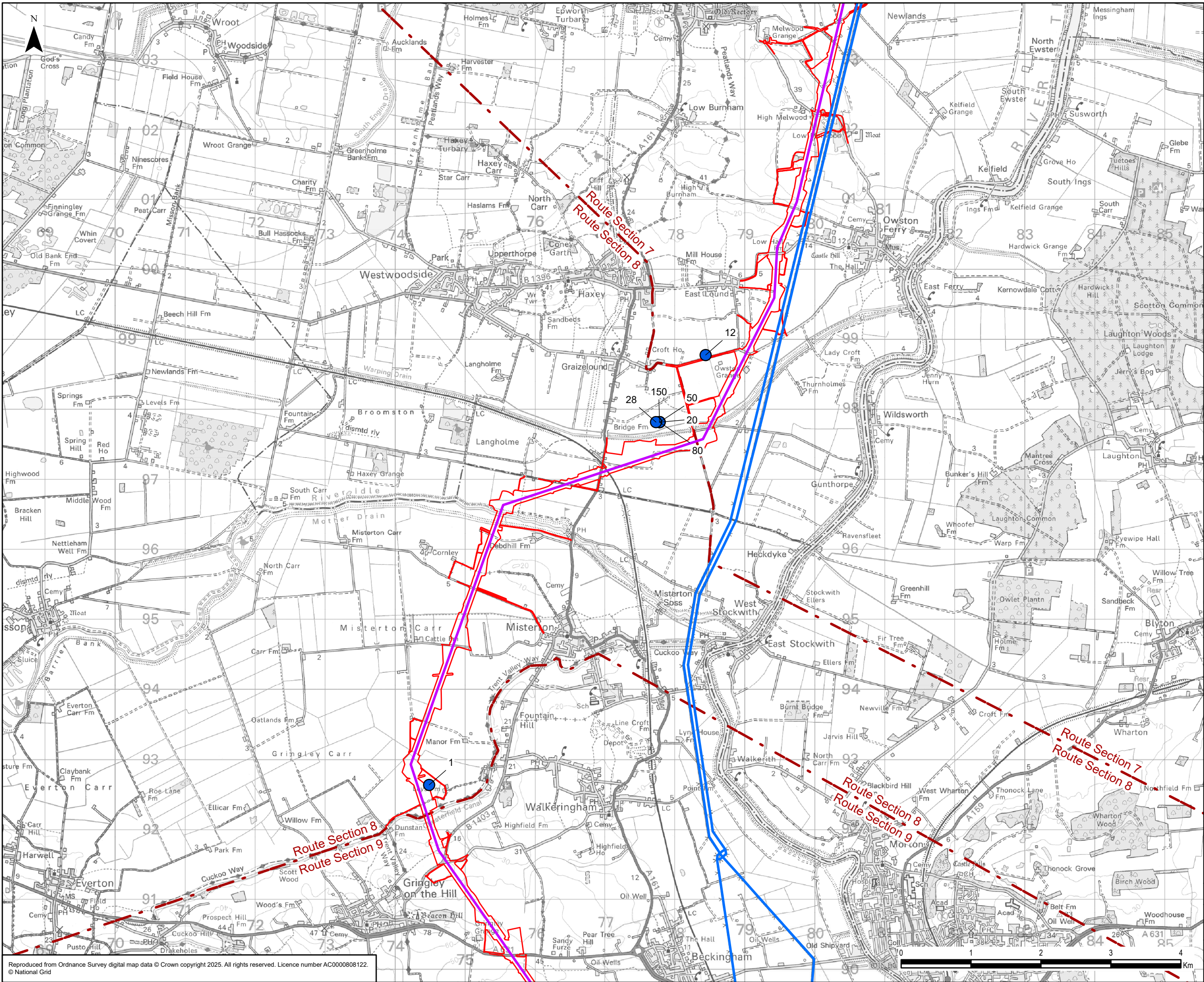
Field Count

Vantage Point (VP) Survey

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.21 - LAPWING HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.21	Scale: 1:50,000	Format: A3	Sheets: 1 OF 2	Rev: 0.1	

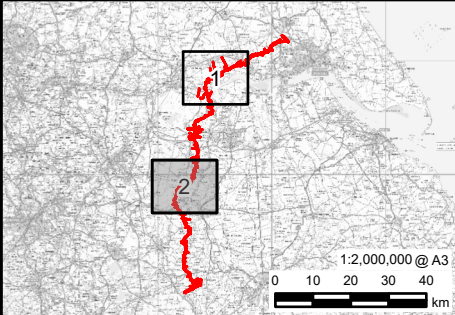


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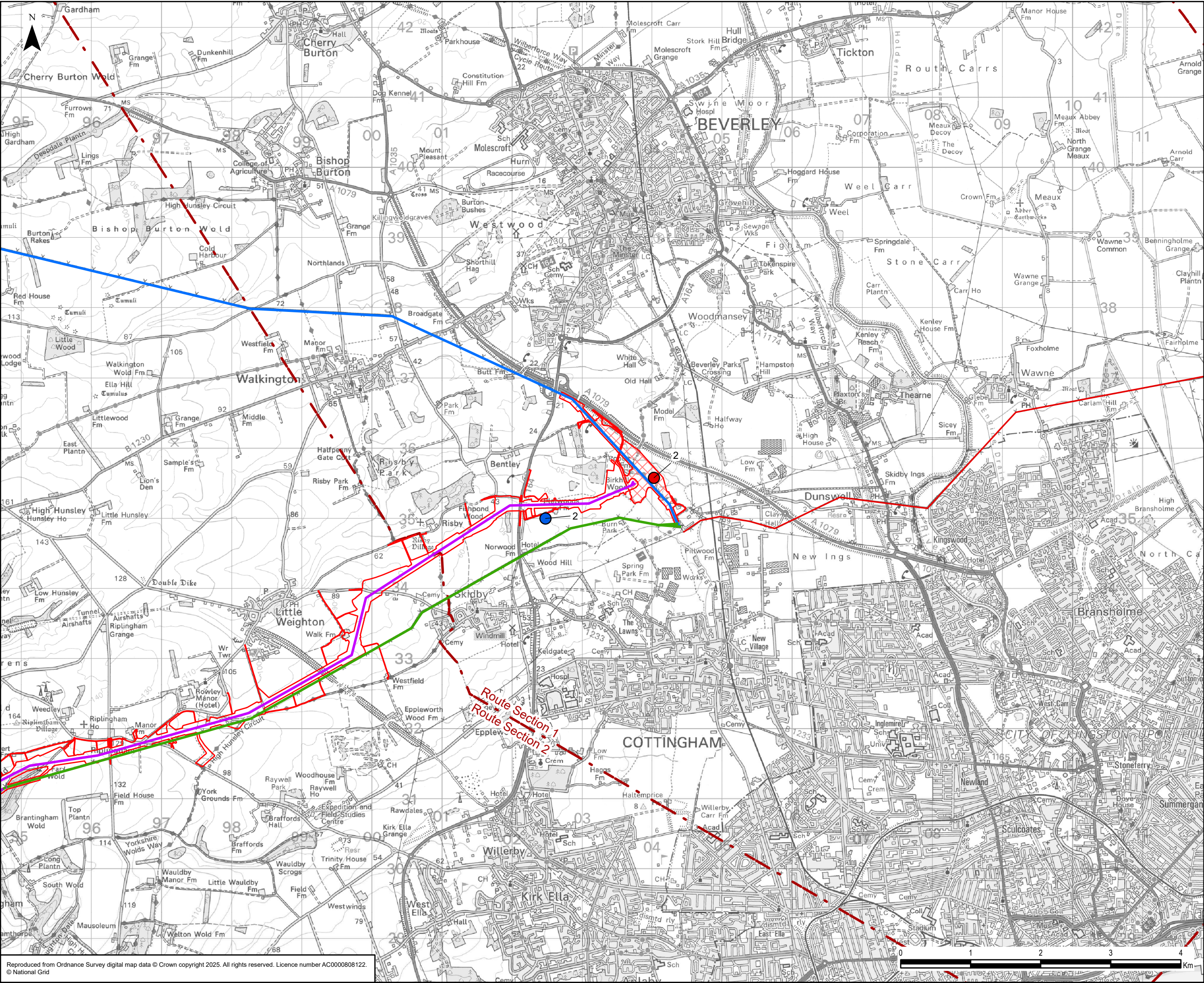
- Draft Order Limits
- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Survey Type
- Vantage Point (VP) Survey

Note:

- Figure only displays segments of the Project where Bird Habitat Use data are present
- The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.21 - LAPWING HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.21	Scale: 1:50,000	Format: A3	Sheets: 2 OF 2	Rev: 0.1	



Legend

Draft Order Limits

Proposed Substation Works

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Survey Type

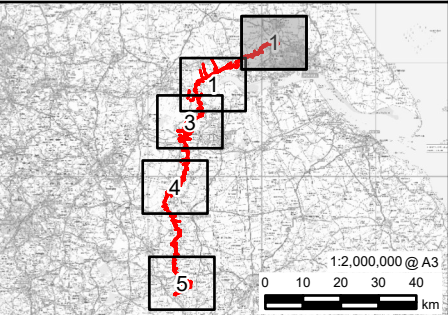
Breeding Bird Survey (BBS)

Vantage Point (VP) Survey

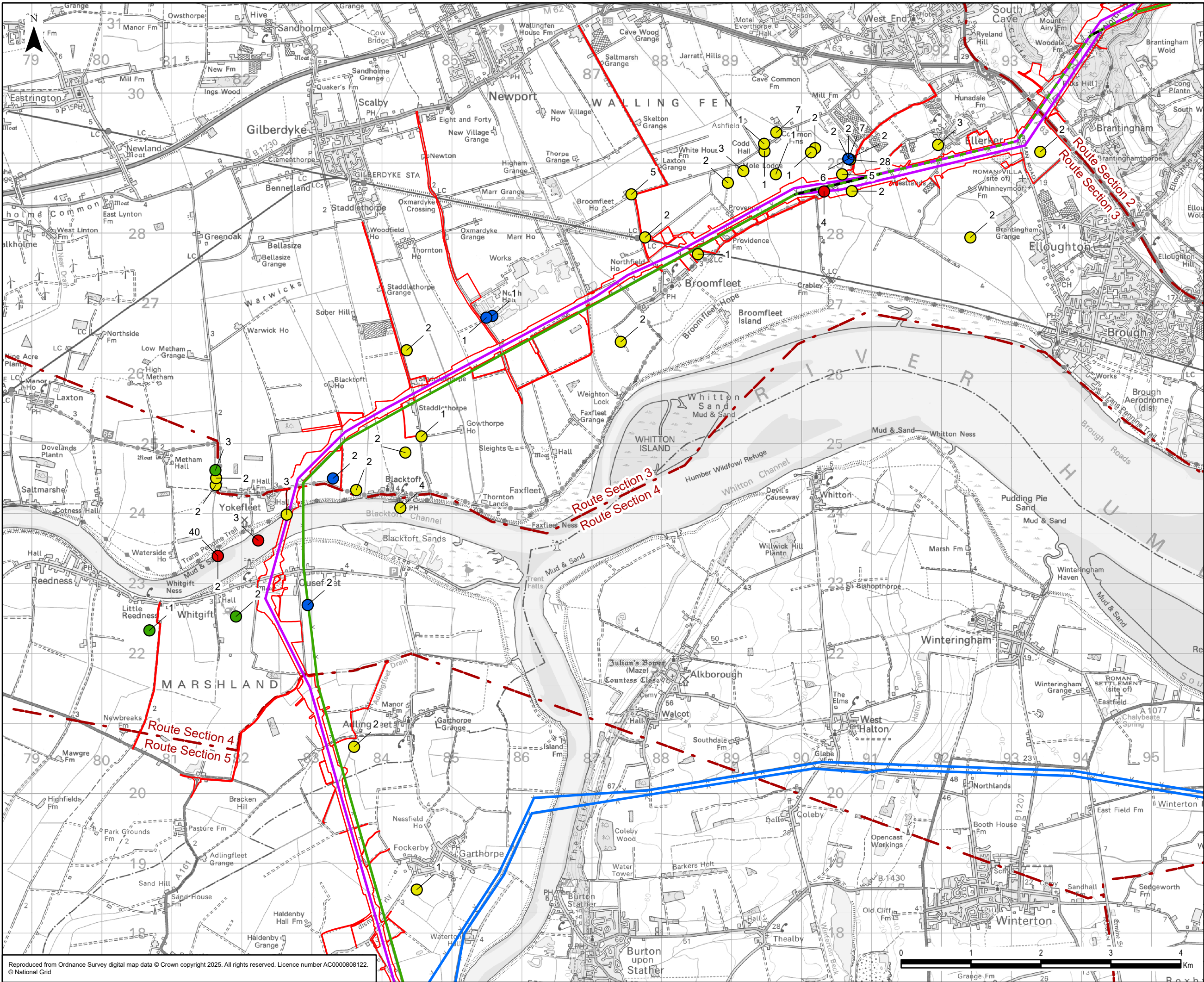
Note:

1. Figure only displays segments of the Project where Bird Habitat Use data are present

2. The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.22 - MALLARD HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.22	Scale: 1:50,000	Format: A3	Sheets: 1 OF 5	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Survey Type

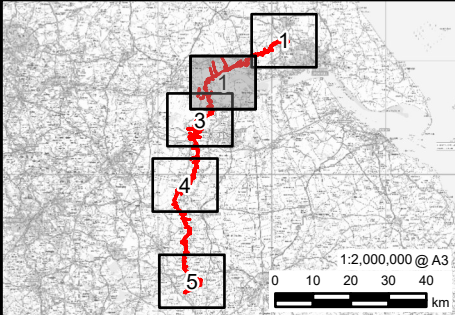
Breeding Bird Survey (BBS)

Functionally Linked Land (FLL) Survey

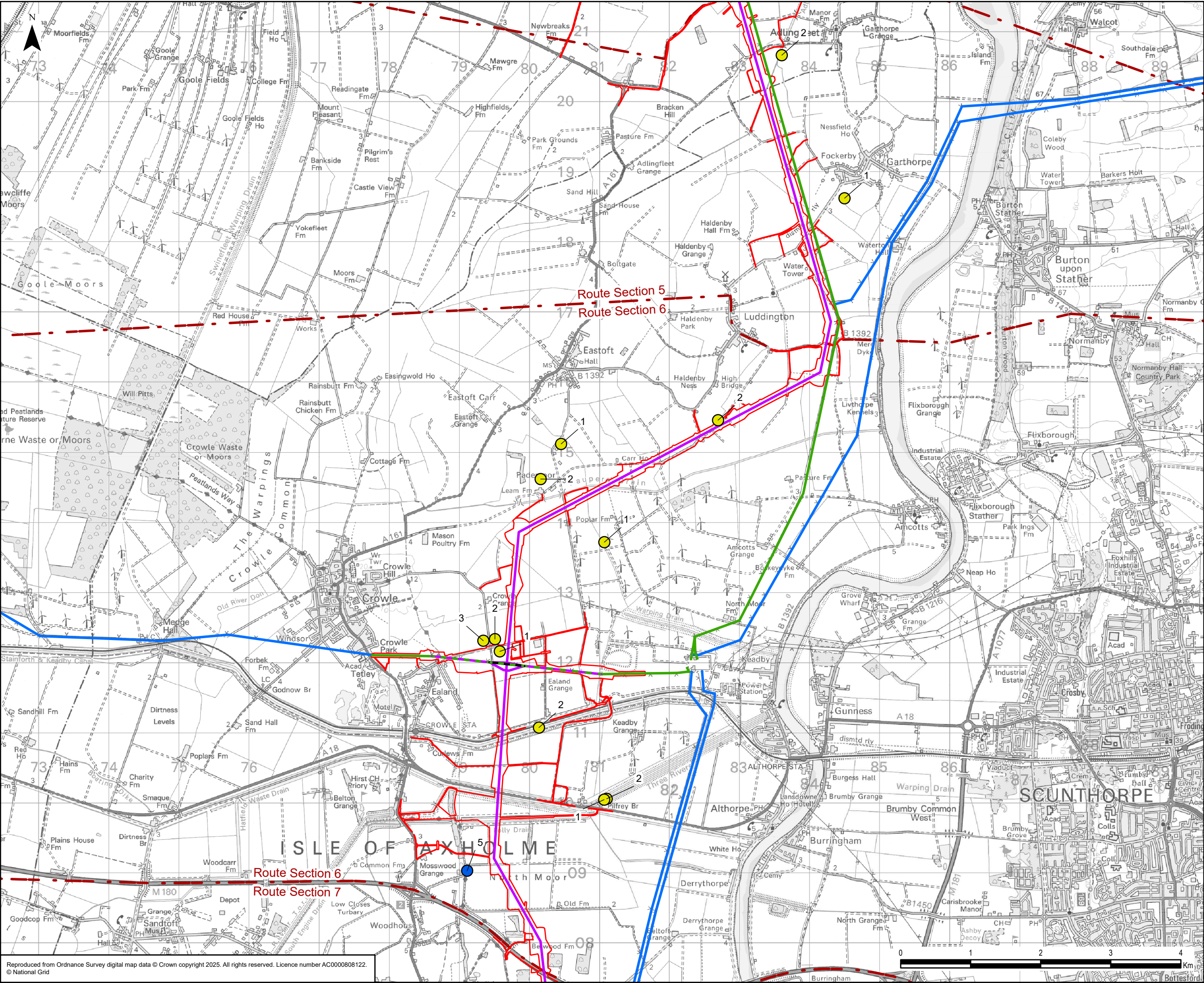
Field Count

Vantage Point (VP) Survey

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.22 - MALLARD HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.22	Scale: 1:50,000	Format: A3	Sheets: 2 OF 5	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Indicative New Overhead Line

Existing Overhead Line Not Affected

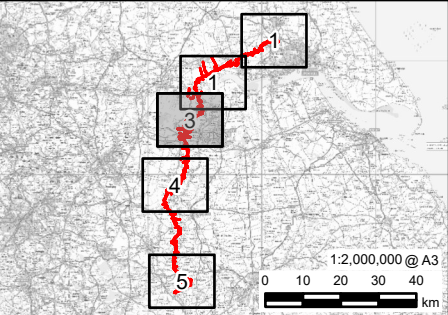
Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

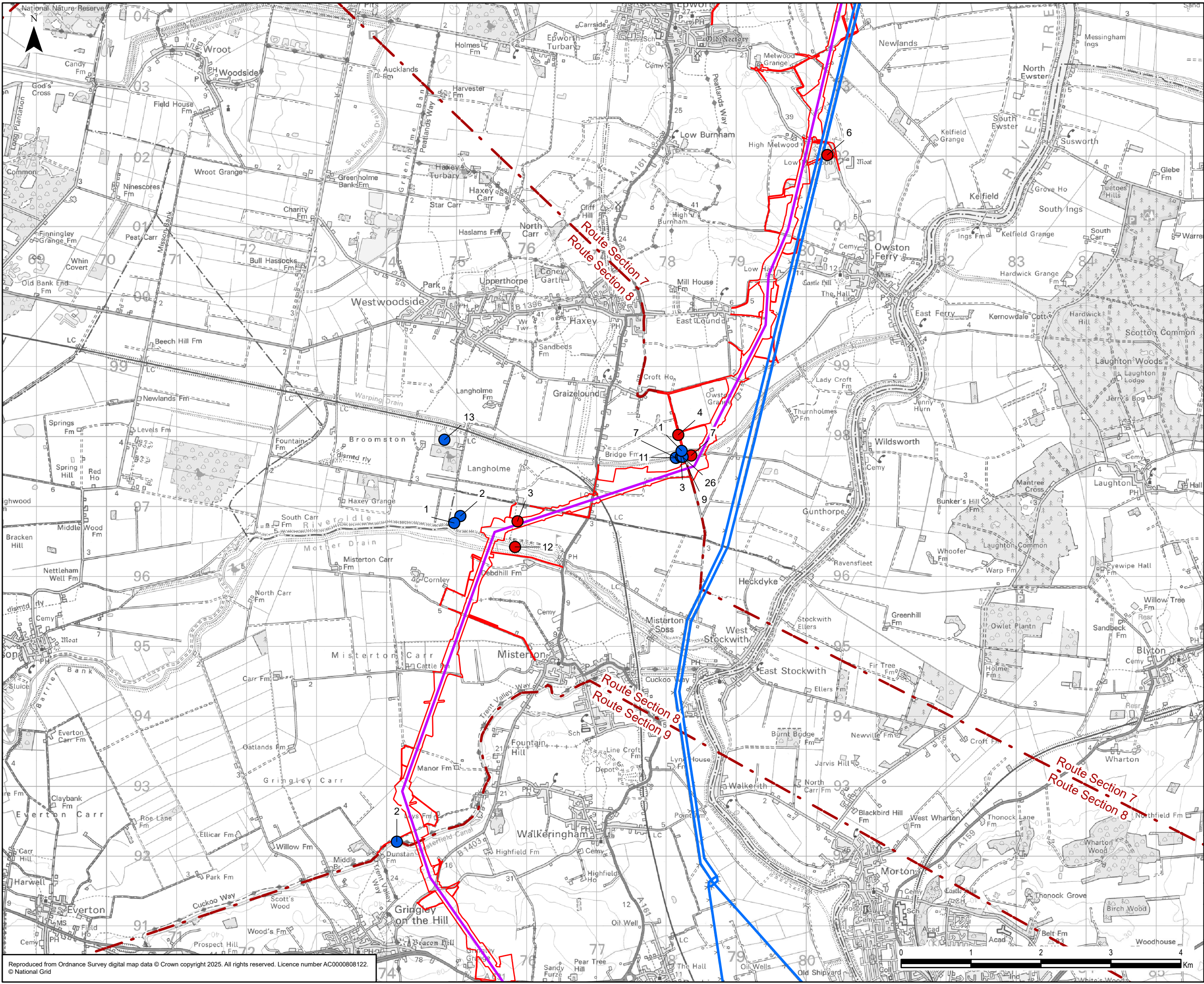
Functionally Linked Land (FLL) Survey

Vantage Point (VP) Survey

Note:
1. Figure only displays segments of the Project where Bird Habitat Use data are present
2. The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.22 - MALLARD HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.22	Scale: 1:50,000	Format: A3	Sheets: 3 OF 5	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Survey Type

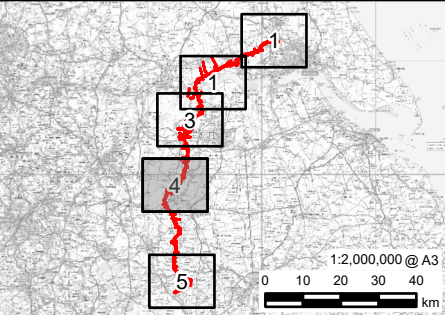
Breeding Bird Survey (BBS)

Vantage Point (VP) Survey

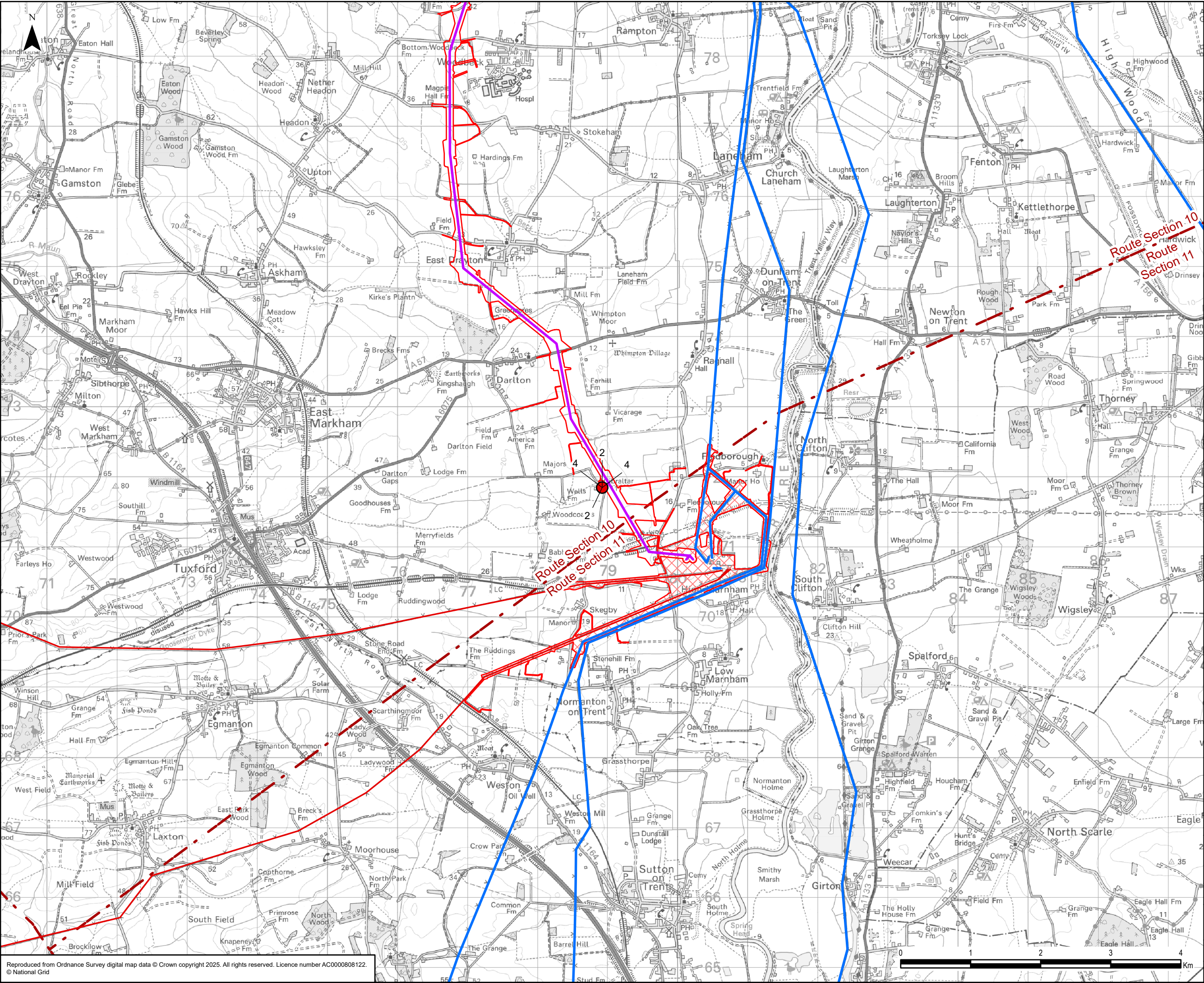
Note:

1. Figure only displays segments of the Project where Bird Habitat Use data are present

2. The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.22 - MALLARD HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.22	Scale: 1:50,000	Format: A3	Sheets: 4 OF 5	Rev: 0.1	



Legend

Draft Order Limits

Proposed Substation Works

Route Section

Existing Overhead Line

275 kV

400 kV

Proposed Project Design Details

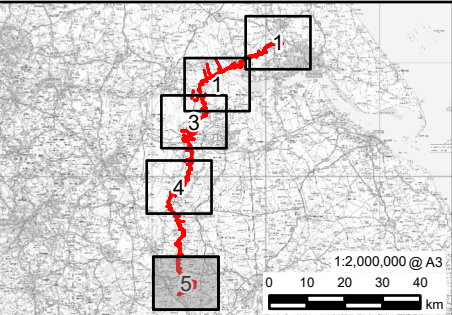
Indicative New Overhead Line

Survey Type

Breeding Bird Survey (BBS)

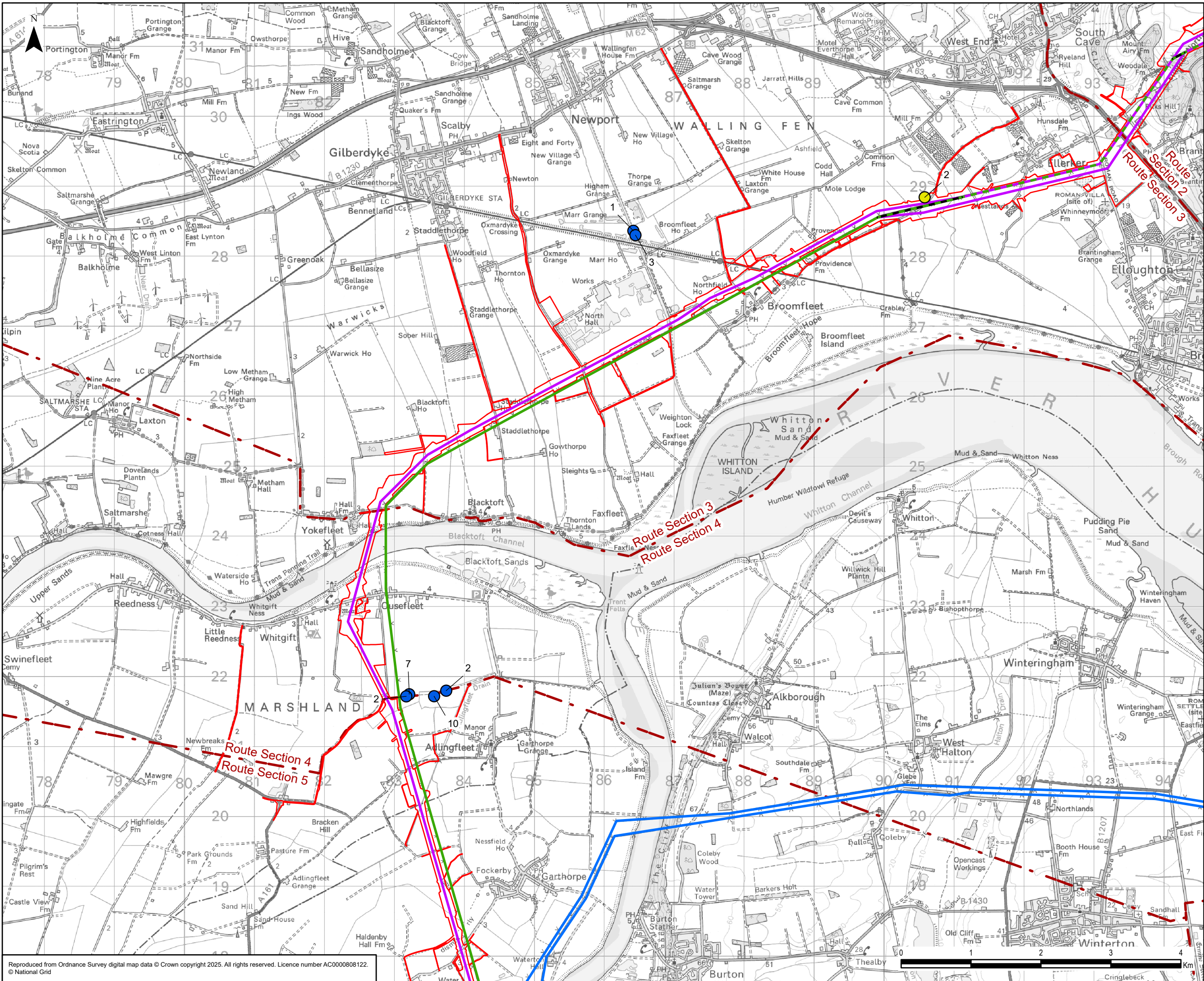
Note:

- Figure only displays segments of the Project where Bird Habitat Use data are present
- The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.22 - MALLARD HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.22	Scale: 1:50,000	Format: A3	Sheets: 5 OF 5	Rev: 0.1	

Figure 9.23 - redacted due to confidential information

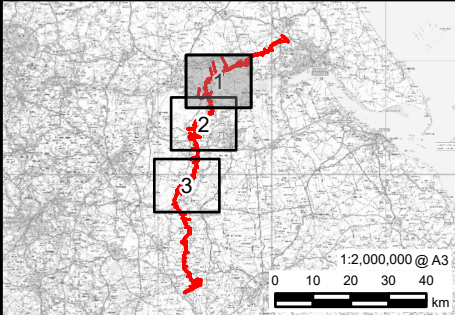


Legend

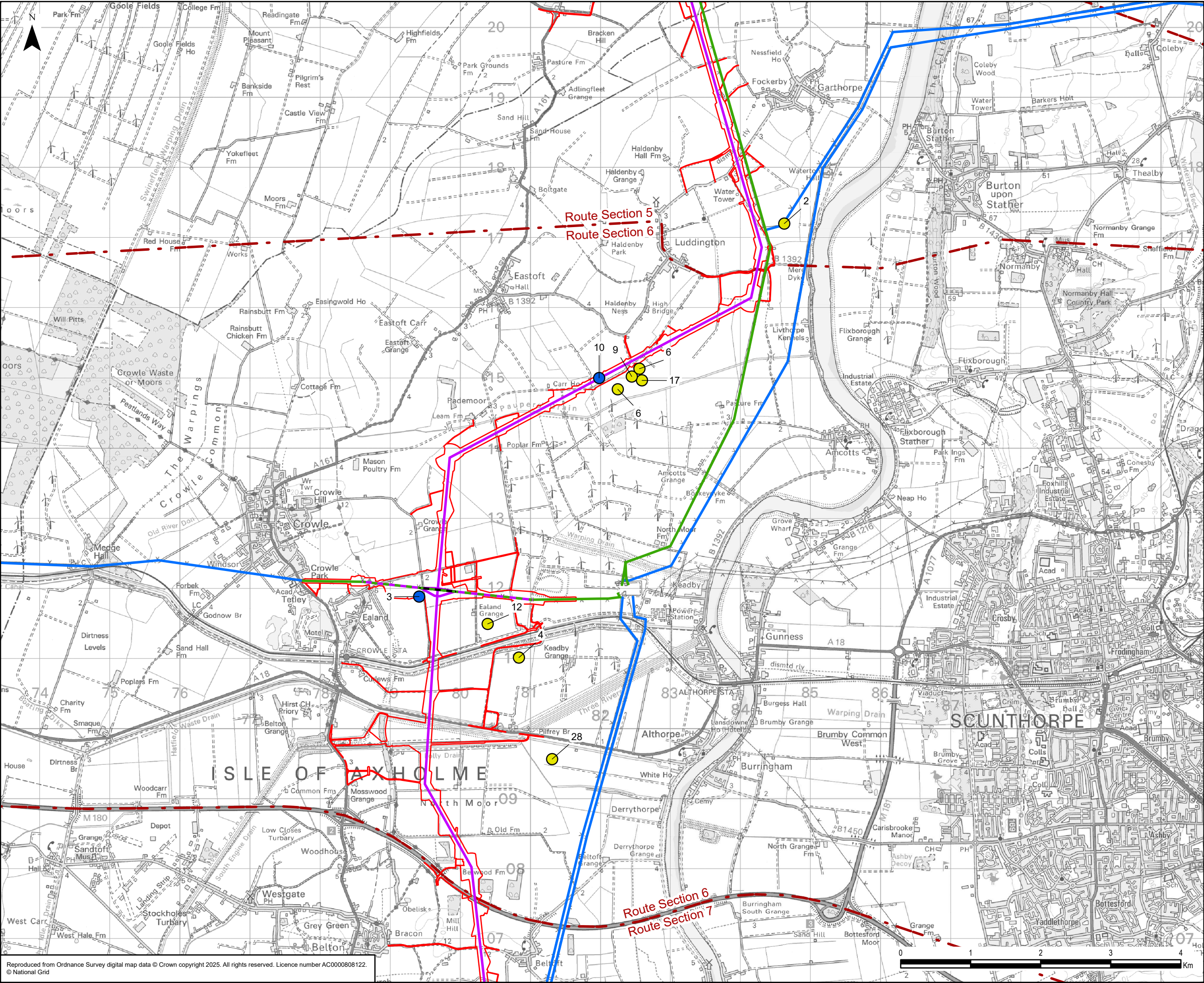
- Draft Order Limits
- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Survey Type
- Functionally Linked Land (FLL) Survey
- Vantage Point (VP) Survey

Note:

- Figure only displays segments of the Project where Bird Habitat Use data are present
- The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.24 - MUTE SWAN HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.24	Scale: 1:50,000	Format: A3	Sheets: 1 OF 3	Rev: 0.1	



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

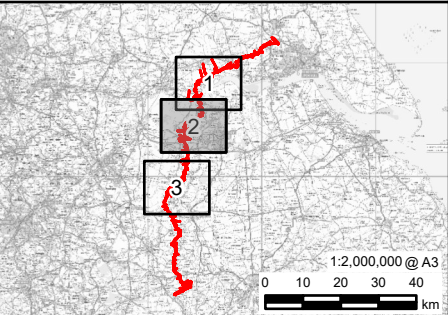
Survey Type

Functionally Linked Land (FLL) Survey

Vantage Point (VP) Survey

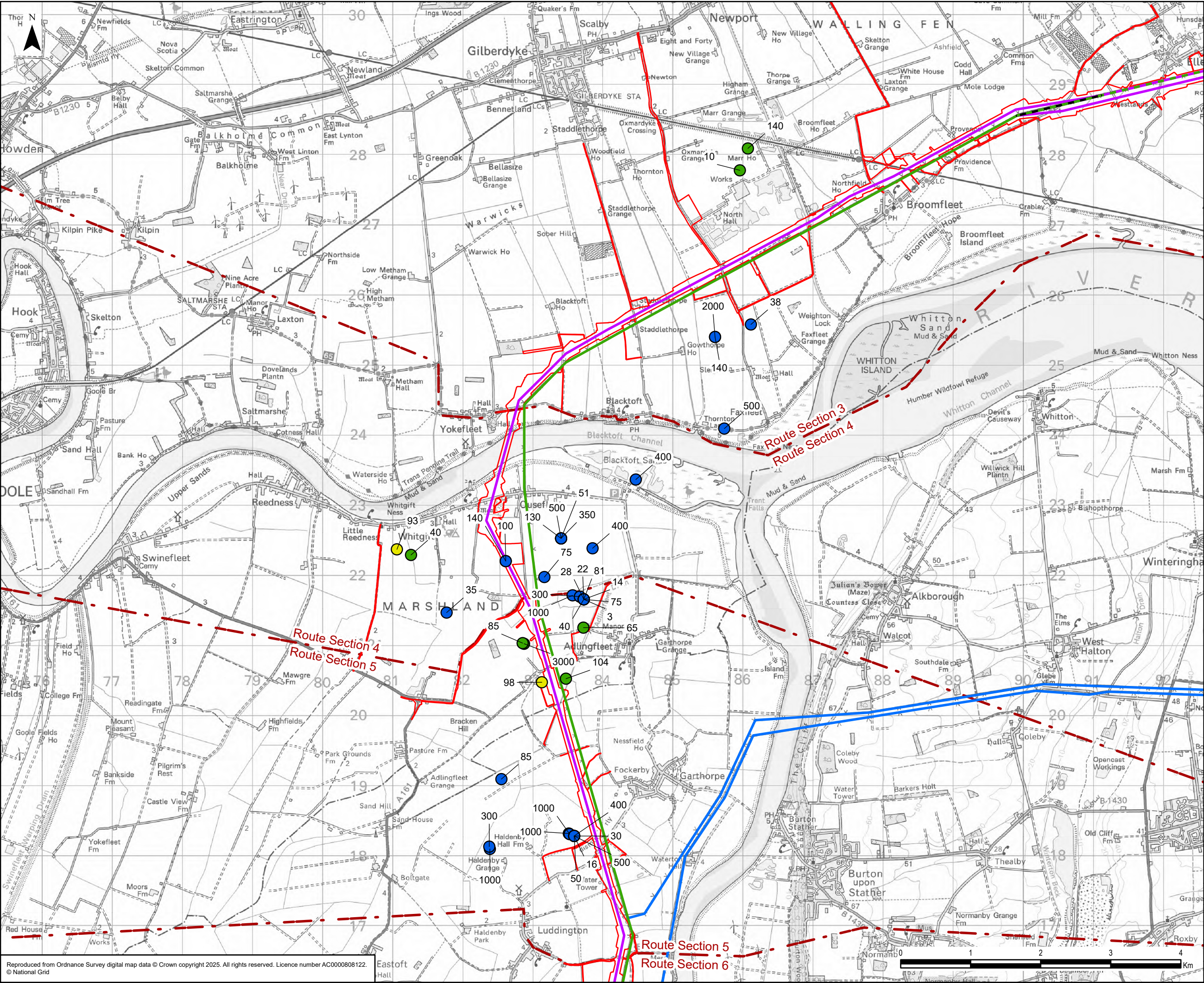
Note:

- Figure only displays segments of the Project where Bird Habitat Use data are present
- The numbers shown are the number of birds attributable to each record shown.



0.1	22/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.24 - MUTE SWAN HABITAT USE					
Creator: MH	Date: 22/01/2025	Checker: JG	Date: 22/01/2025	Approver: RWM	Date: 22/01/2025
Figure Ref: 9.24	Scale: 1:50,000	Format: A3	Sheets: 2 OF 3	Rev: 0.1	

Figure 9.25 - redacted due to confidential information



Legend

Draft Order Limits

Route Section

Existing Overhead Line

400 kV

Proposed Project Design Details

Indicative New Overhead Line

Existing Overhead Line Not Affected

Existing Overhead Line to be Reconductored

Existing Overhead Line to be Dismantled

Survey Type

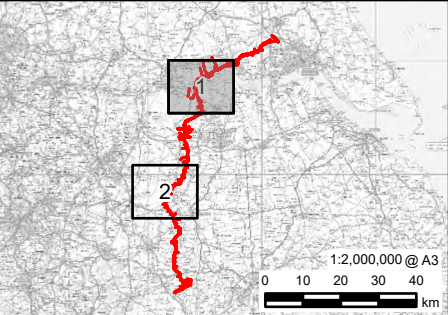
Functionally Linked Land (FLL) Survey

Field Count

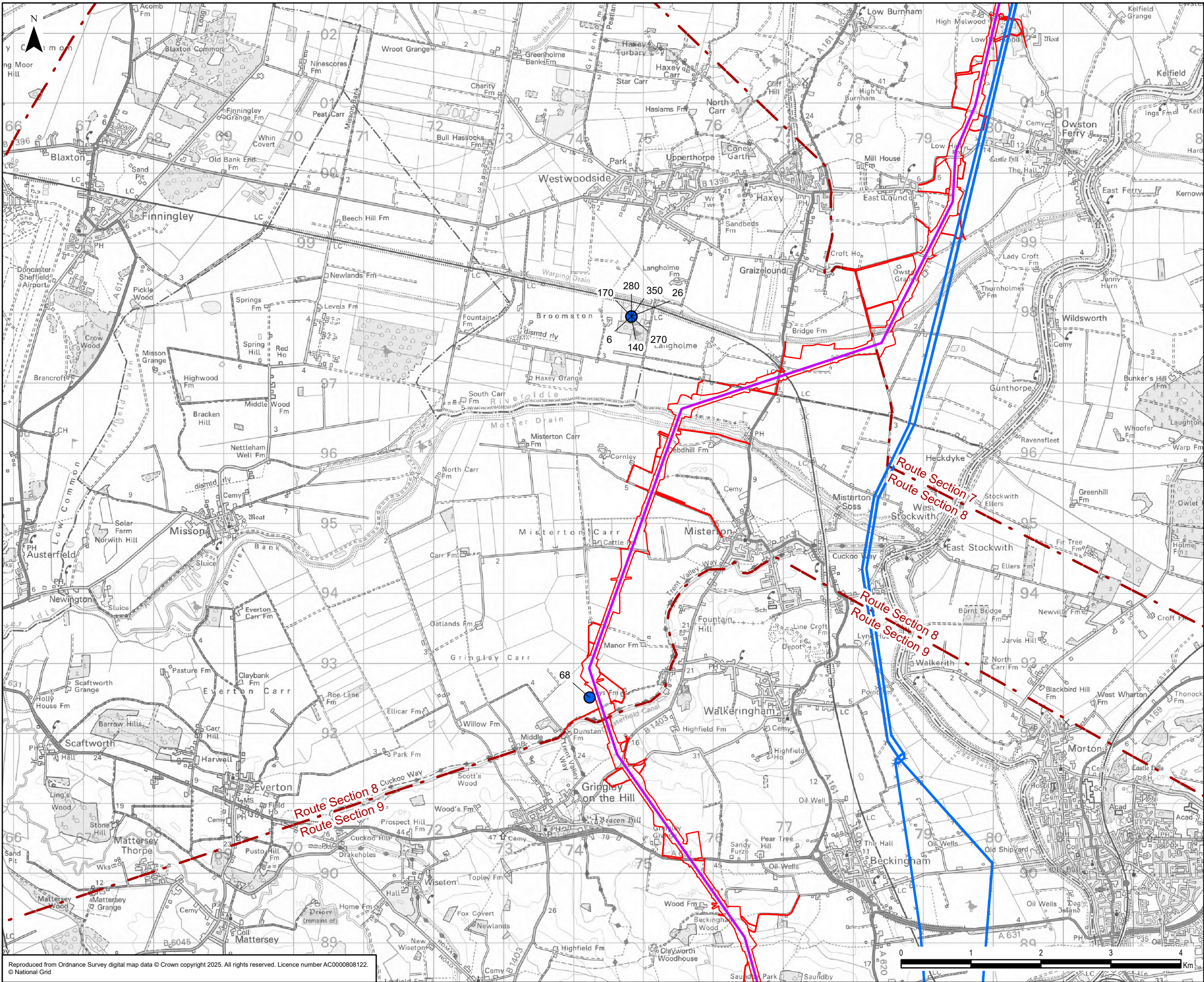
Vantage Point (VP) Survey

Note:

- Figure only displays segments of the Project where Bird Habitat Use data are present
- The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.26 - PINK-FOOTED GOOSE HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.26	Scale: 1:50,000	Format: A3	Sheets: 1 OF 2	Rev: 0.1	

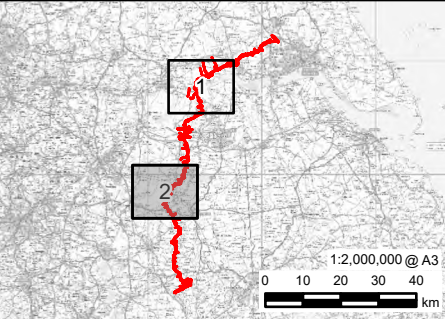


Legend

- Draft Order Limits
- Route Section
- Existing Overhead Line
- 400 kV
- Proposed Project Design Details
- Indicative New Overhead Line
- Survey Type
- Vantage Point (VP) Survey

Note:

- Figure only displays segments of the Project where Bird Habitat Use data are present
- The numbers shown are the number of birds attributable to each record shown.



0.1	23/01/2025	PEIR	MH	JG	RW
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: NORTH HUMBER TO HIGH MARNHAM					
Figure Title: FIGURE 9.26 - PINK-FOOTED GOOSE HABITAT USE					
Creator: MH	Date: 23/01/2025	Checker: JG	Date: 23/01/2025	Approver: RWM	Date: 23/01/2025
Figure Ref: 9.26	Scale: 1:50,000	Format: A3	Sheets: 2 OF 2	Rev: 0.1	