



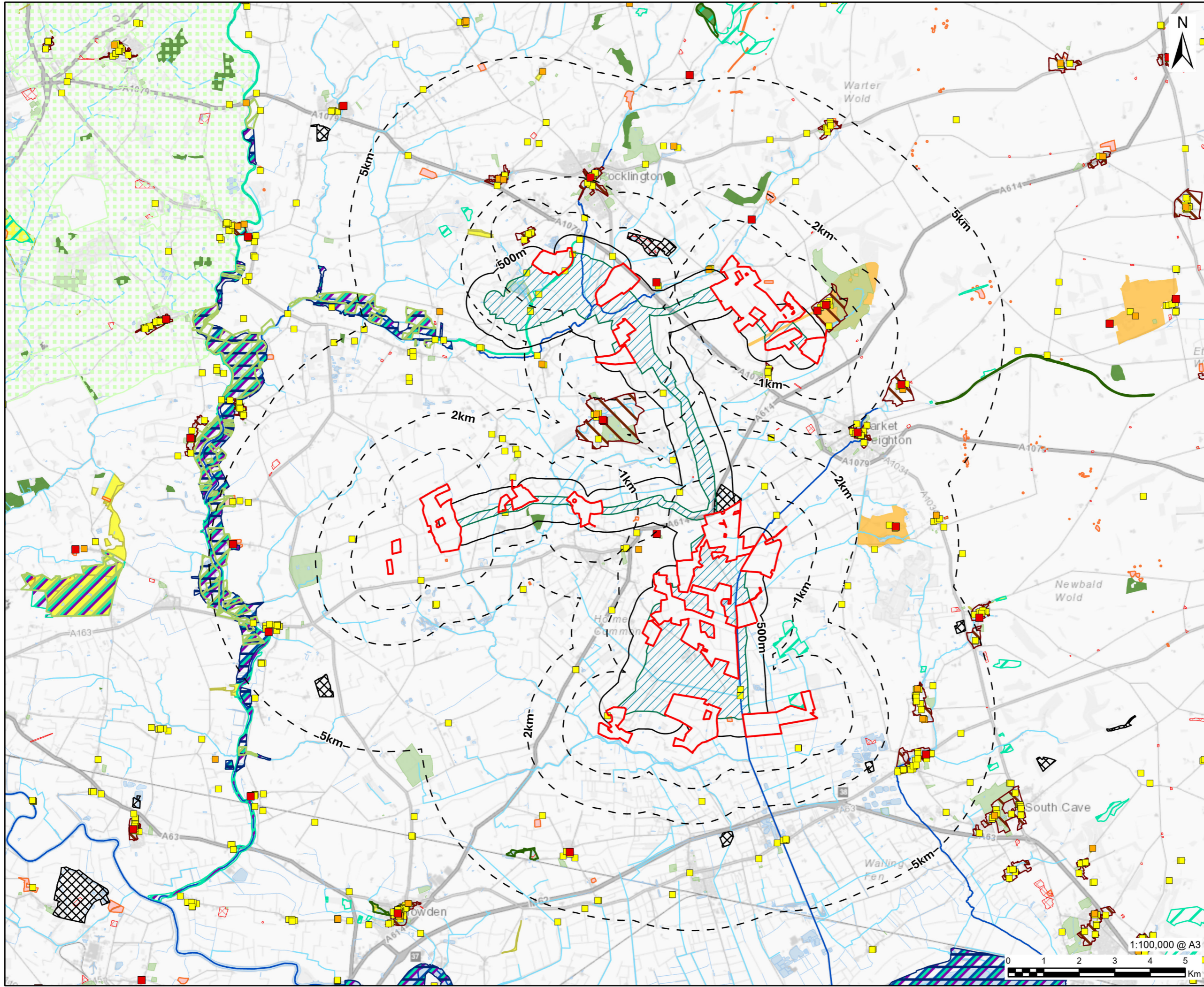
Environmental Impact Assessment Scoping Report

EN0110032

Figures Part 2: 7-5 to 7-13

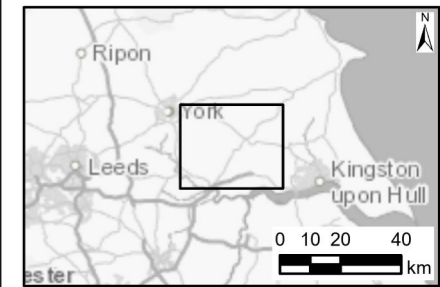
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| Figure 1-2 | Site Boundary and Land Use |
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- Scoping Site Boundary**
- Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
- Listed Building**
- Grade I
 - Grade II*
 - Grade II
 - Conservation Area
 - Registered Parks and Gardens
 - Scheduled Monument
 - Local Nature Reserves (LNR)
 - National Nature Reserve (NNR)
 - Sites of Special Scientific Interest (SSSI)
- Special Areas of Conservation (SAC)**
- Special Areas of Conservation (SAC)
 - Special Protection Area (SPA)
 - Ramsar
 - Ancient Woodland
 - CRoW Common Land
 - Greenspace
 - Green Belt
 - Historic Landfill Site
 - Authorised Landfill Site
 - Statutory Main River
 - Watercourse
 - Surface Water Area



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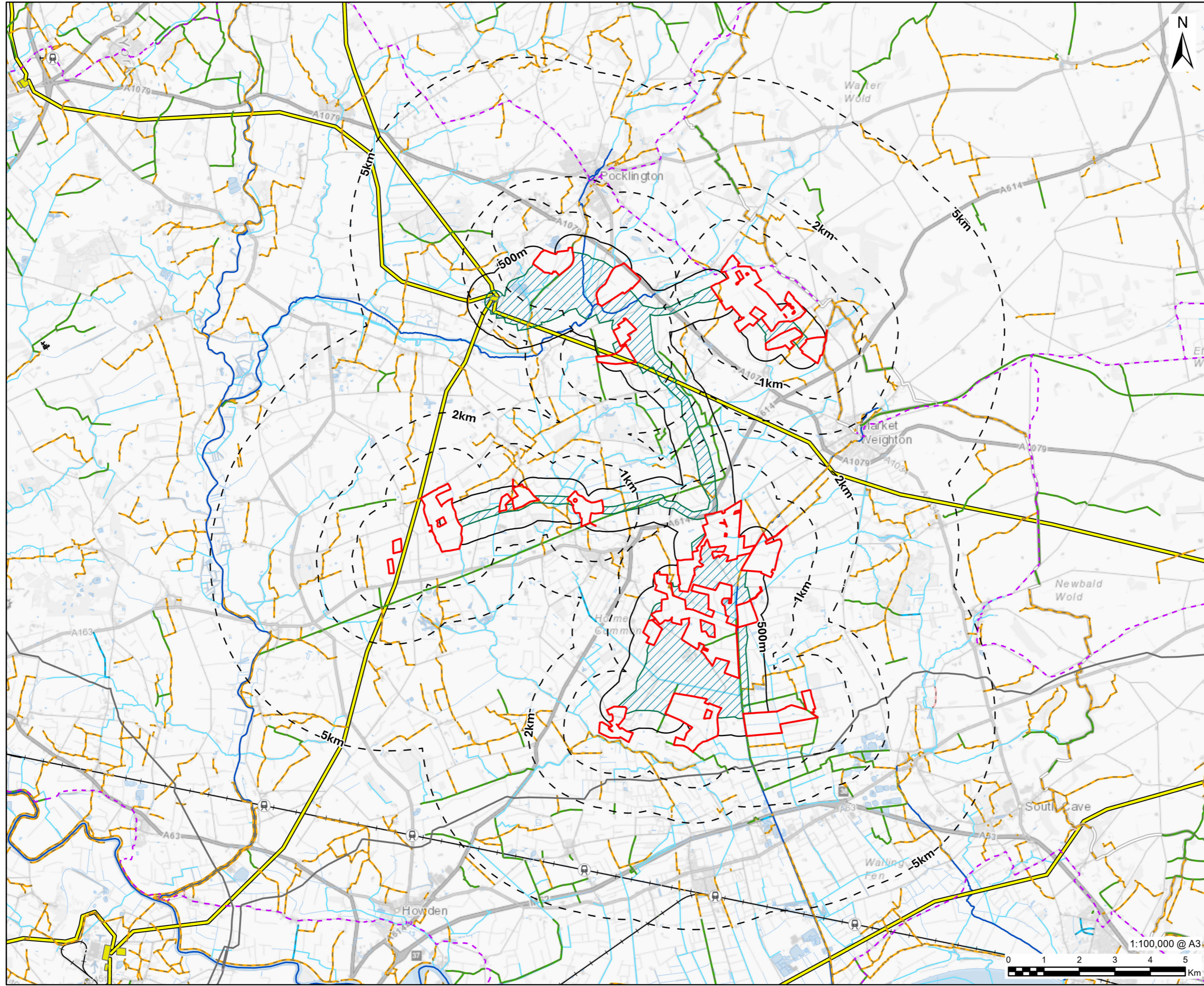
FIGURE TITLE

Landscape Receptors
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER

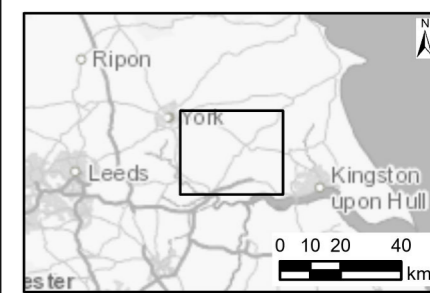
Figure 7-5

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- Scoping Site Boundary**
- Humberhead Sites
 - Cable Route Search Corridor
- | | |
|---|--|
| <ul style="list-style-type: none"> Study Areas Cable Route Corridor Study Area Railway Station Railway National Cycle Network National Trail National Grid Gas Pipeline National Grid Substation | <ul style="list-style-type: none"> National Grid 400kV Overhead Line Statutory Main River Watercourse Surface Water Area <p>Public Right of Way (PRoW)</p> <ul style="list-style-type: none"> Byway Open to All Traffic Bridleway Footpath Restricted Byway |
|---|--|



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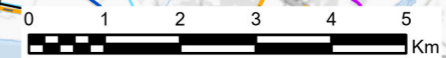
FIGURE TITLE

Visual Receptors
Landscape and Visual Appraisal (LVA)

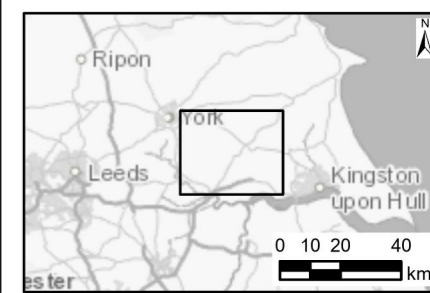
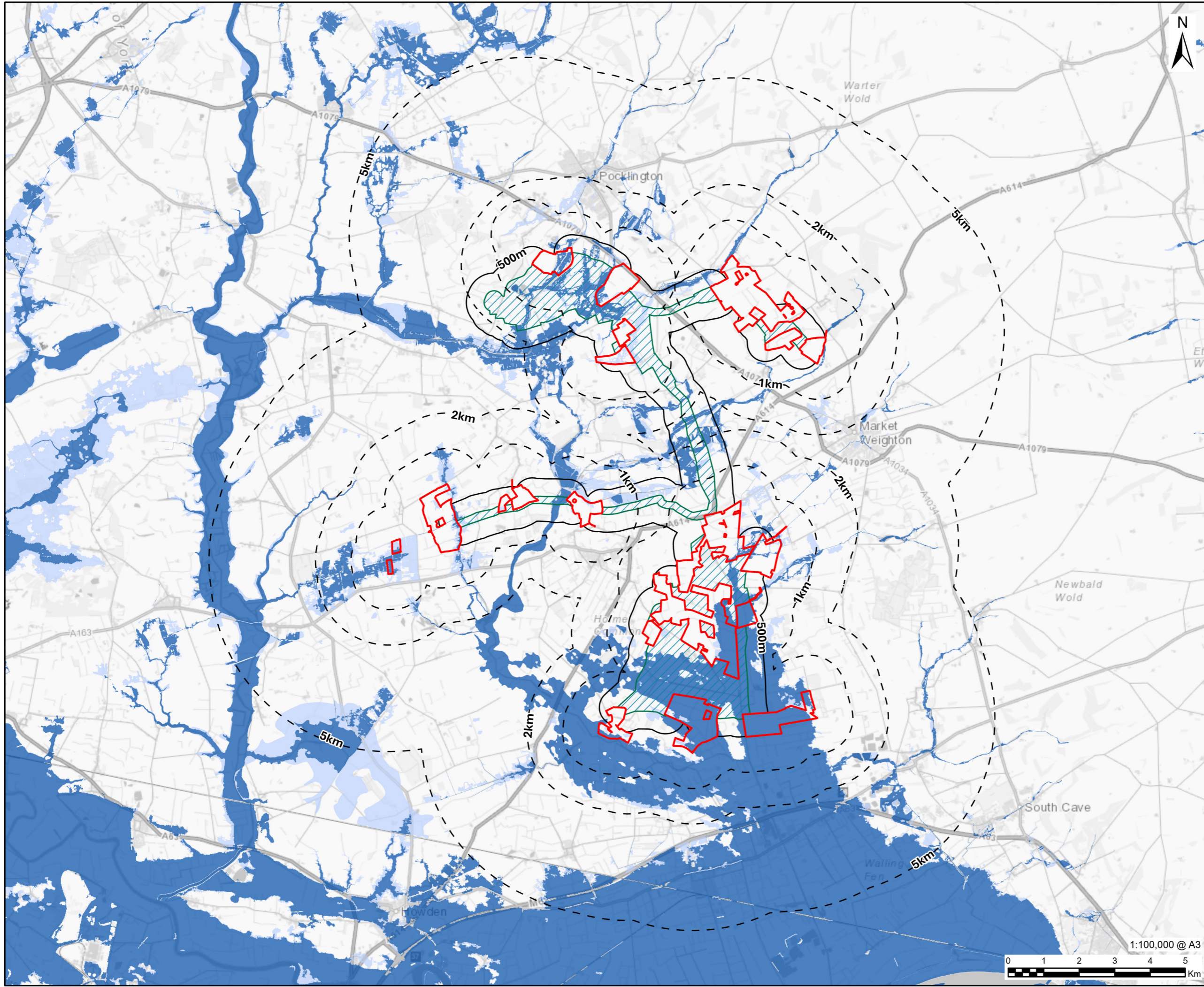
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Figure 7-6

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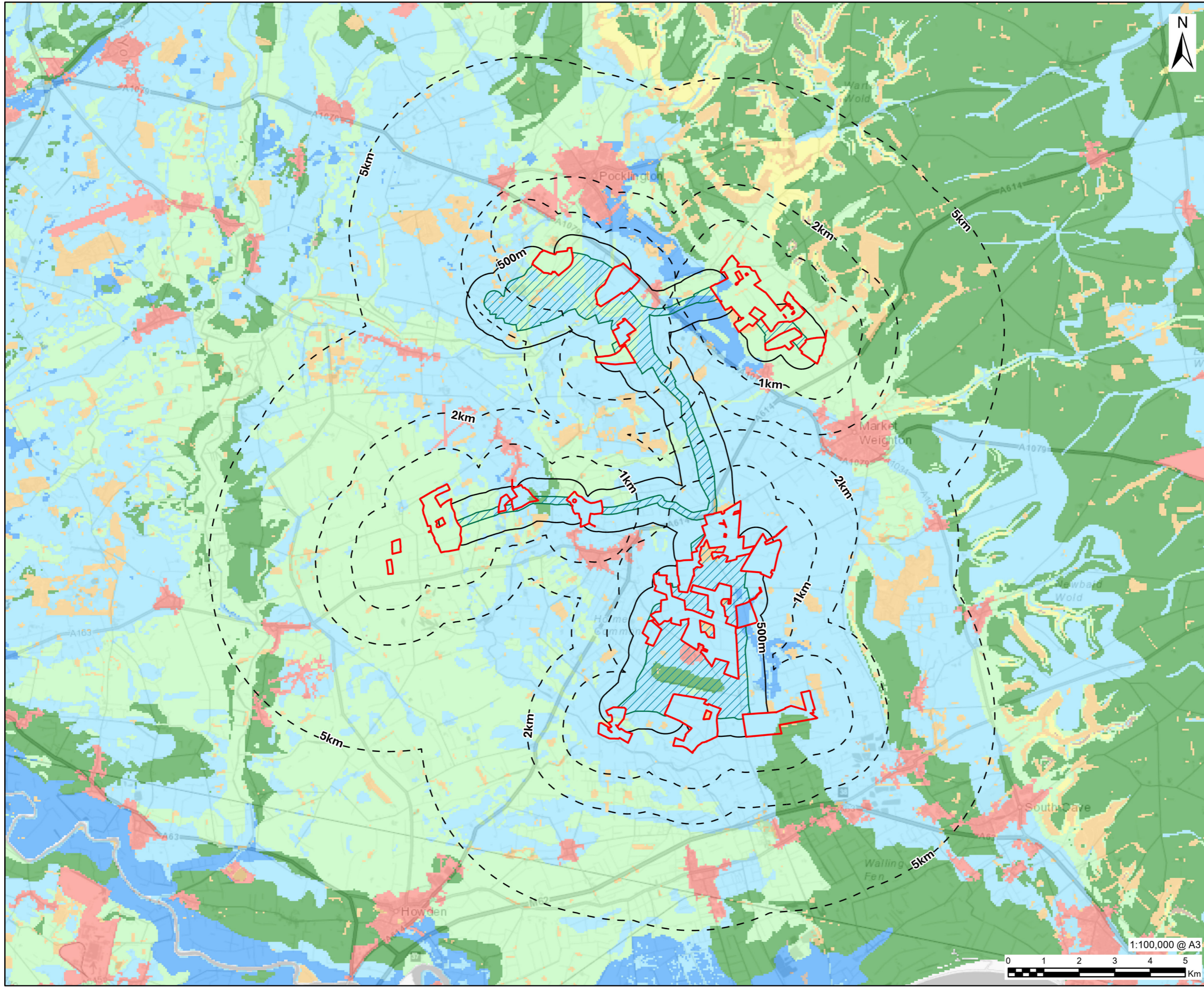
PROJECT NUMBER
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FIGURE TITLE
Flood Risk Landscape and Visual Appraisal (LVA)

FIGURE NUMBER
Figure 7-7

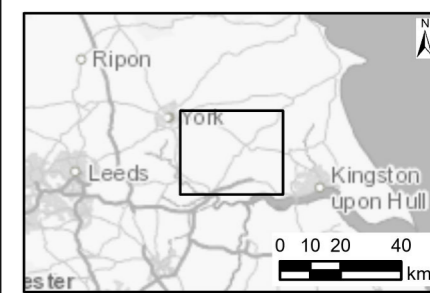


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- Scoping Site Boundary**
- Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
- Predictive Agricultural Land Classification**
- Grade 1
 - Grade 2
 - Grade 3a
 - Grade 3b
 - Grade 4
 - Grade 5
 - N/A
 - Urban



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FIGURE TITLE

Agricultural Land Classification (ALC)
Landscape and Visual Appraisal (LVA)

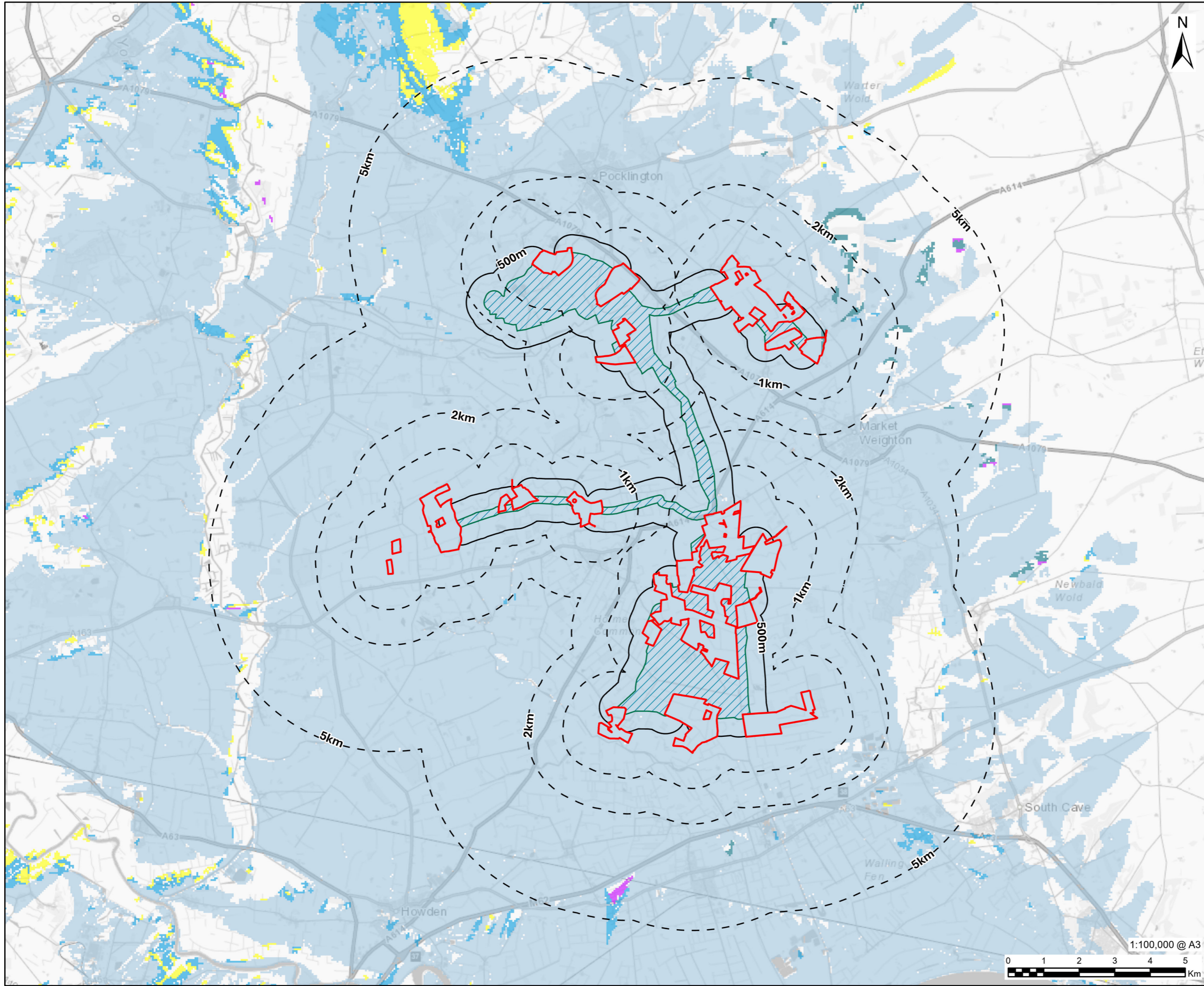
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Figure 7-8

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Scoping Site Boundary

- Humberhead Sites
- Cable Route Search Corridor

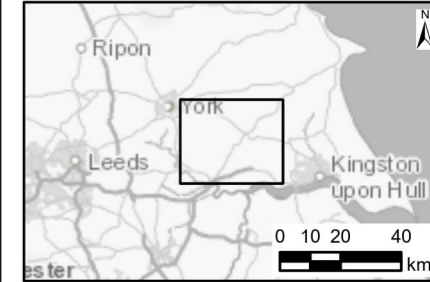
Study Areas

- Study Areas
- Cable Route Corridor Study Area

Bare Earth ZTV

Views of proposed development theoretically visible

- 400kV substation only
- 132kV substation only
- 400kV and 132kV substations
- 132kV substation and solar PV areas
- All



NOTES

- 1) Zone of theoretical visibility (ZTV) has been generated using the Environment Agency's 2m DTM (2022) which takes no account of screening effects such as vegetation, buildings and other structures.
- 2) This ZTV was produced to indicate theoretical visibility as a worst case, with an assumption that the proposed development would fill the full extent of the development area at a maximum panel height of 4.5m, a 132kV substation height of 10m and a 400kV substation height of 15m, with an observer height of 1.7m

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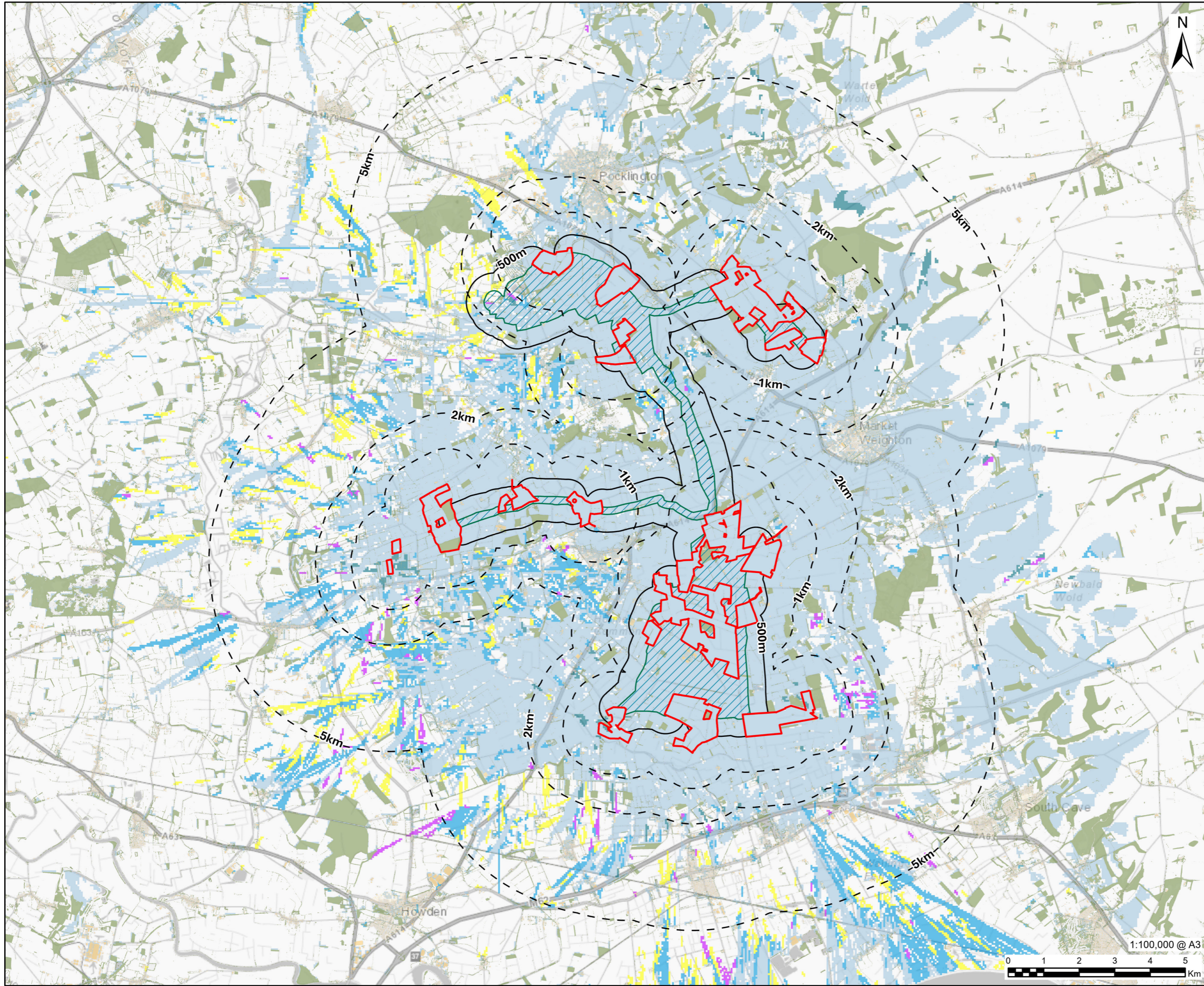
FIGURE TITLE

Bare Earth Zone of Theoretical Visibility (ZTV)
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER

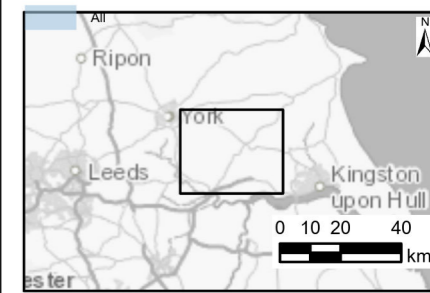
Figure 7-9





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- Scoping Site Boundary**
- Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
- Cable Route Corridor Study Area
 - Building
 - Vegetation
- Augmented ZTV**
Views of proposed development theoretically visible
- 400kV substation only
 - 132kV substation only
 - 400kV and 132kV substations
 - 132kV substation and solar PV areas



NOTES

1) Zone of theoretical visibility (ZTV) has been generated using Forestry Commission's National Forest Inventory (NFI) and National Trees Outside Woodland Map (NTOWM) datasets, Ordnance Survey's Open Local Buildings dataset and the Environment Agency's 2m DTM and 2m DSM (2022) to take account of screening effects such as vegetation, buildings and other structures. Vegetation heights were based on the mean height recorded in the NTOWM or 12m in the NFI. Building heights were calculated based on the difference between the DSM and DTM within building footprints.

2) The ZTV was produced to indicate theoretical visibility as a worst case, with an assumption that the proposed development would fill the full extent of the development area at a maximum panel height of 4.5m, a 132kV substation height of 10m and a 400kV substation height of 15m, with an observer height of 1.7m

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FIGURE TITLE

Augmented Zone of Theoretical Visibility (ZTV) Landscape and Visual Appraisal (LVA)

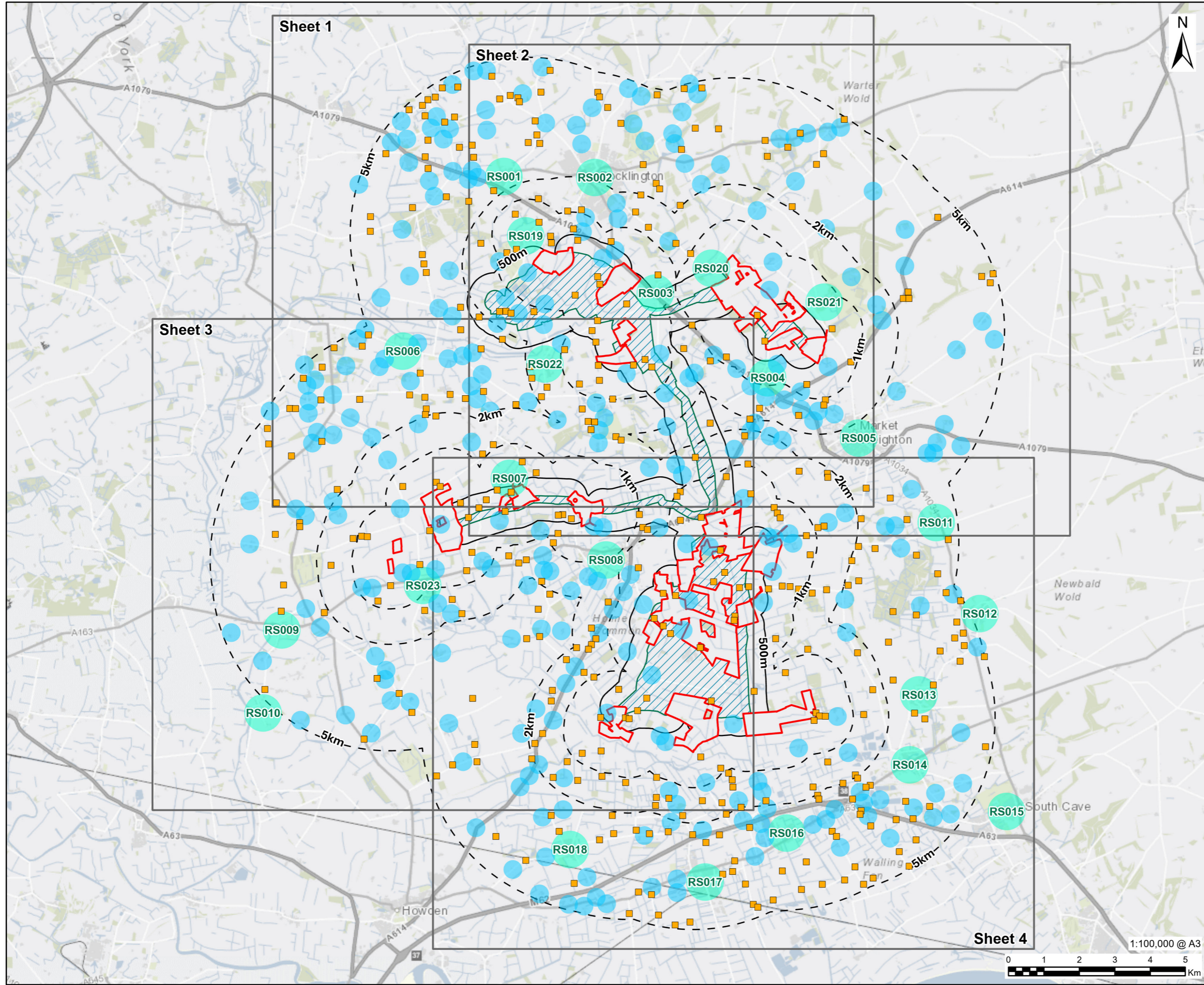
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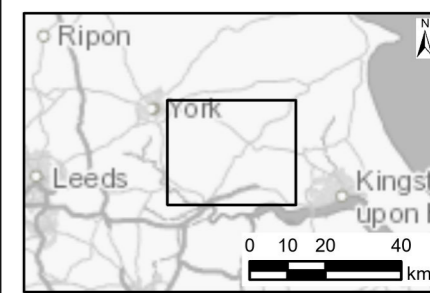


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- Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
 - Sheet Index
- Private Receptors**
- Settlement
 - Group
 - Single



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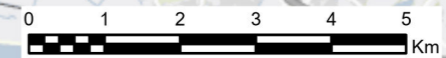
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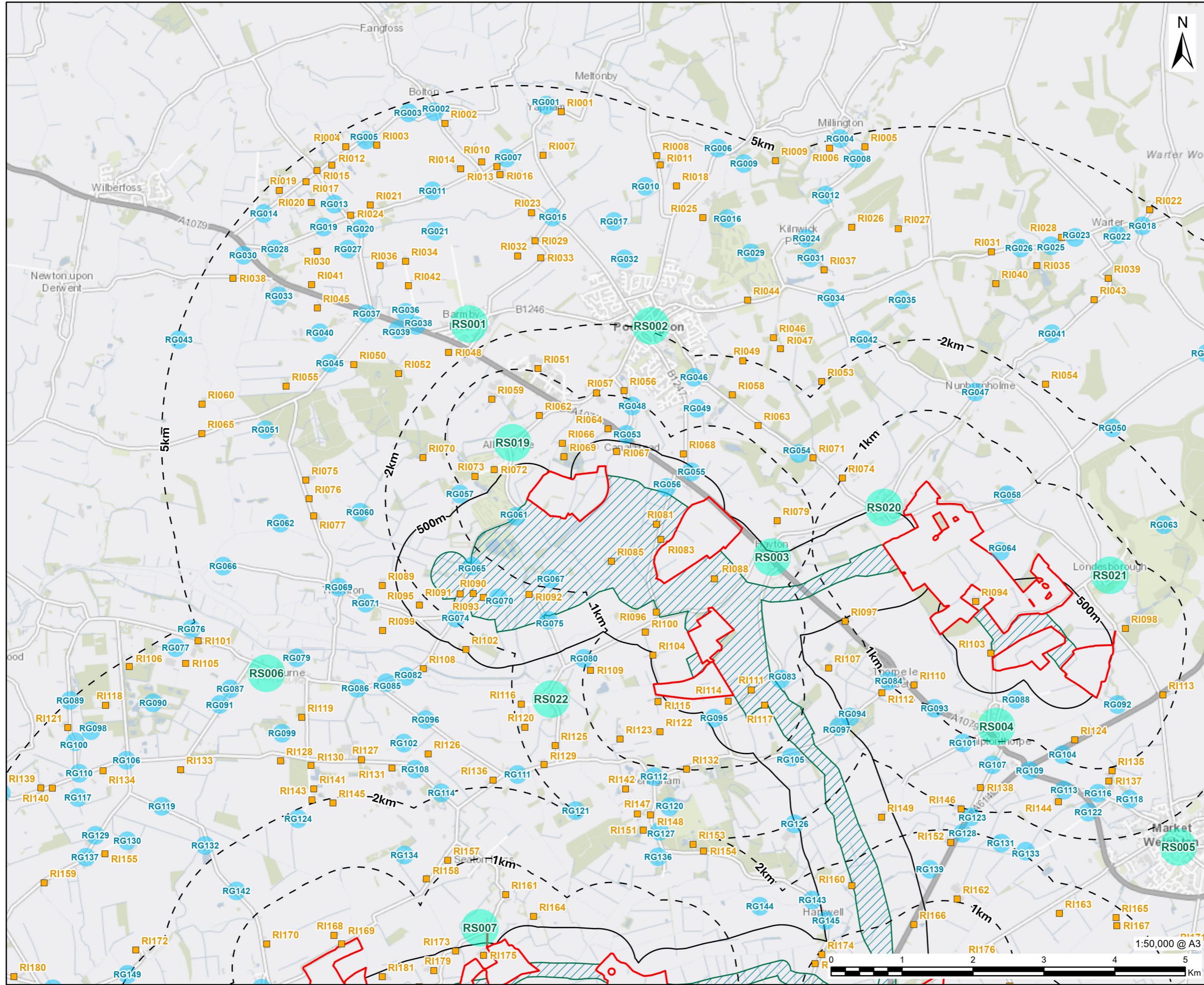
Private Receptors
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER

Figure 7-11

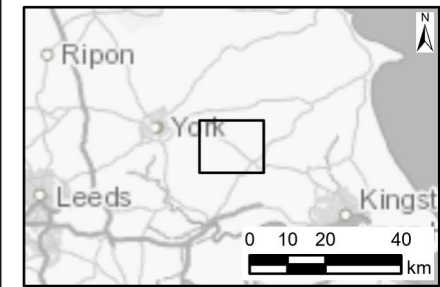
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- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
- Private Receptors**
- Settlement
 - Group
 - Single



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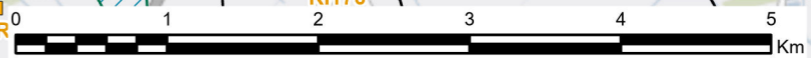
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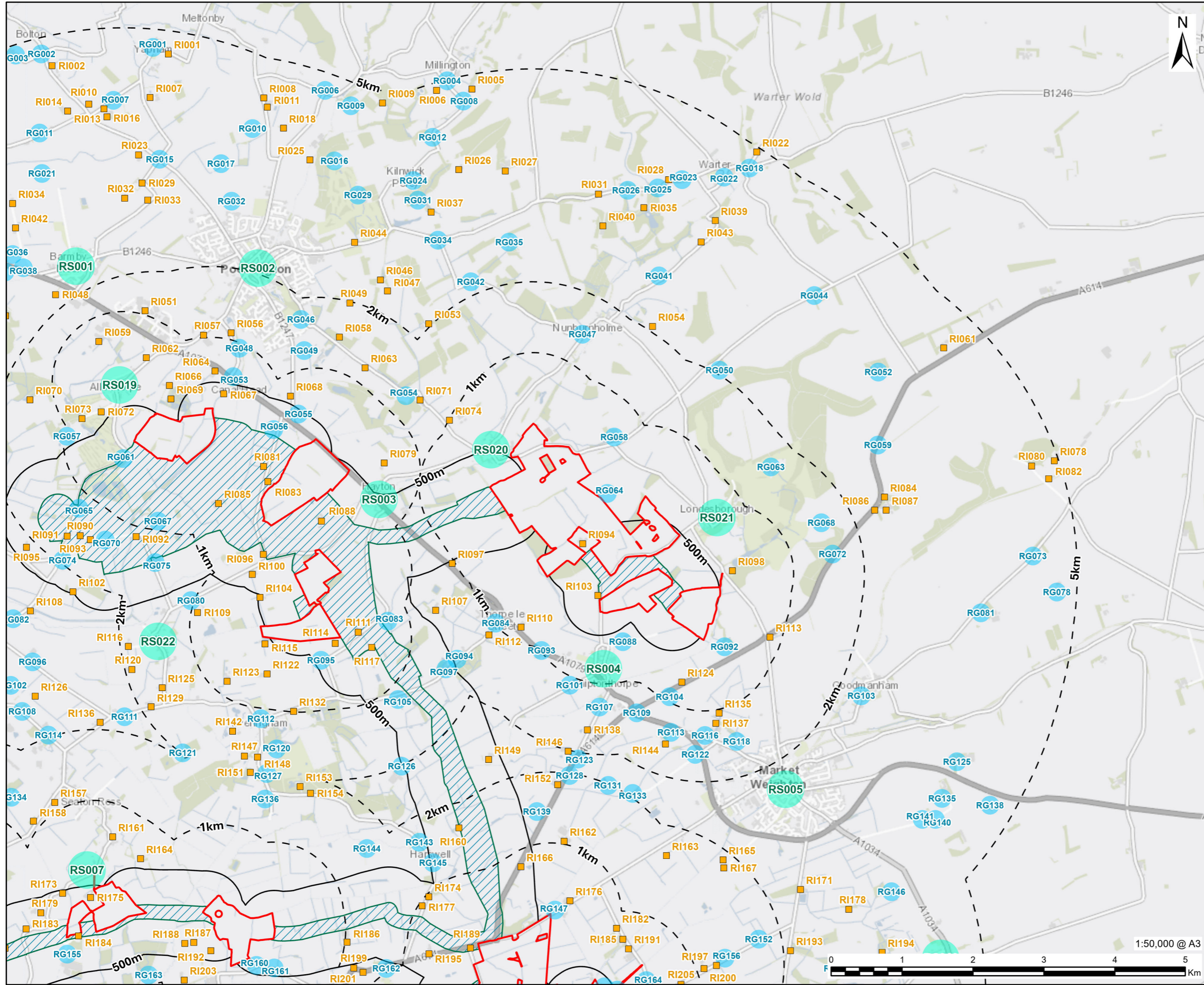
Private Receptors: Sheet 1 of 4
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER

Figure 7-11-1

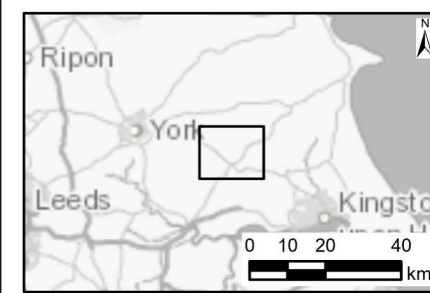
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LEGEND

- Scoping Site Boundary**
 - Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
 - Study Areas
 - Cable Route Corridor Study Area
- Private Receptors**
 - Settlement
 - Group
 - Single



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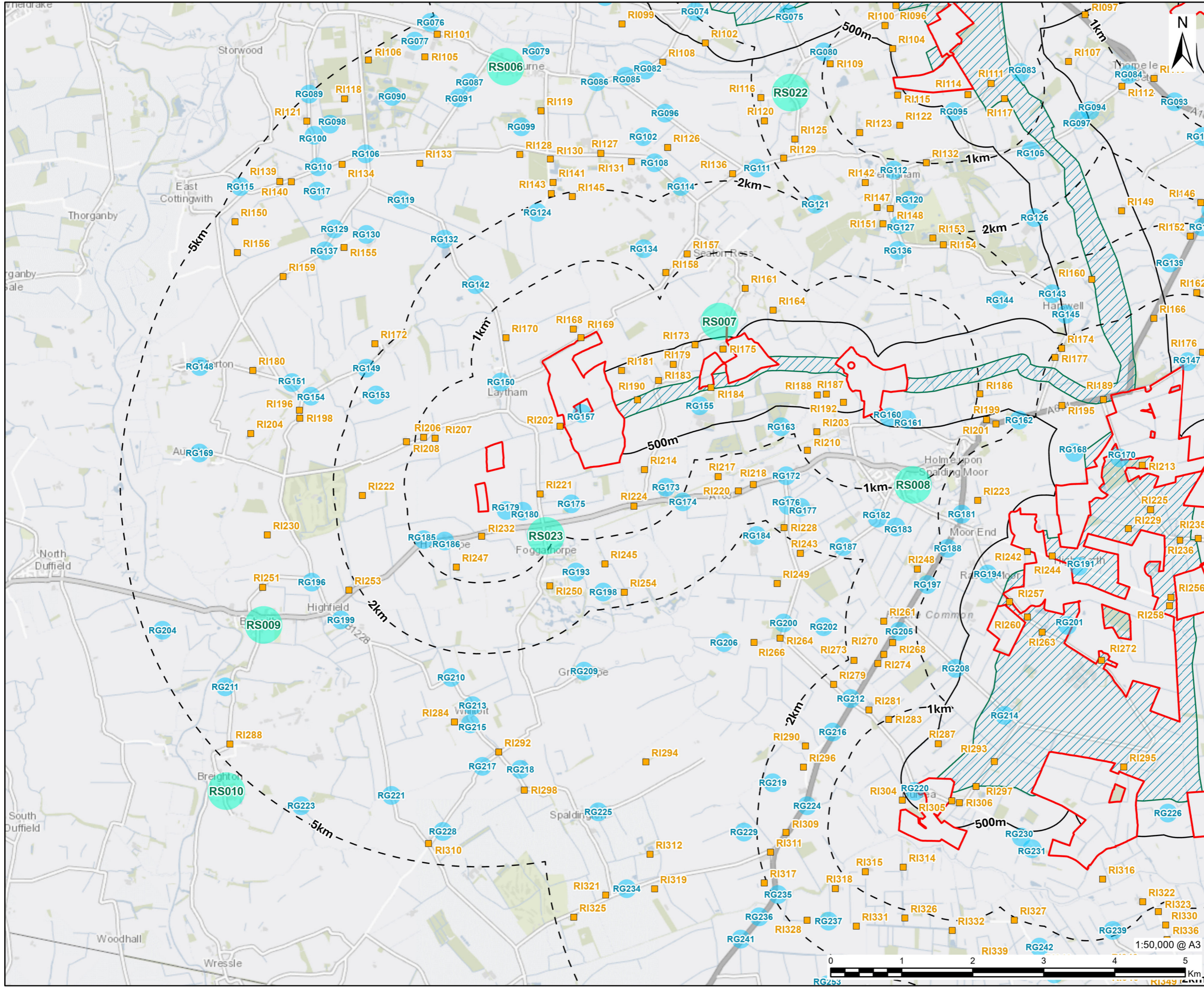
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FIGURE TITLE
Private Receptors: Sheet 2 of 4
Landscape and Visual Appraisal (LVA)

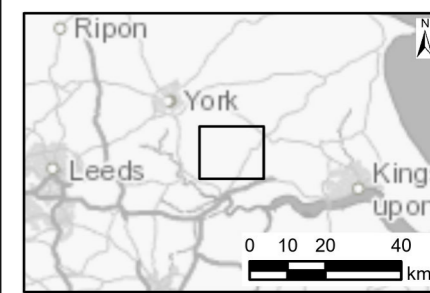
FIGURE NUMBER
Figure 7-11-2

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- Scoping Site Boundary**
- Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
- Private Receptors**
- Settlement
 - Group
 - Single



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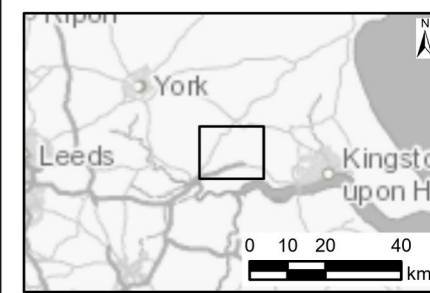
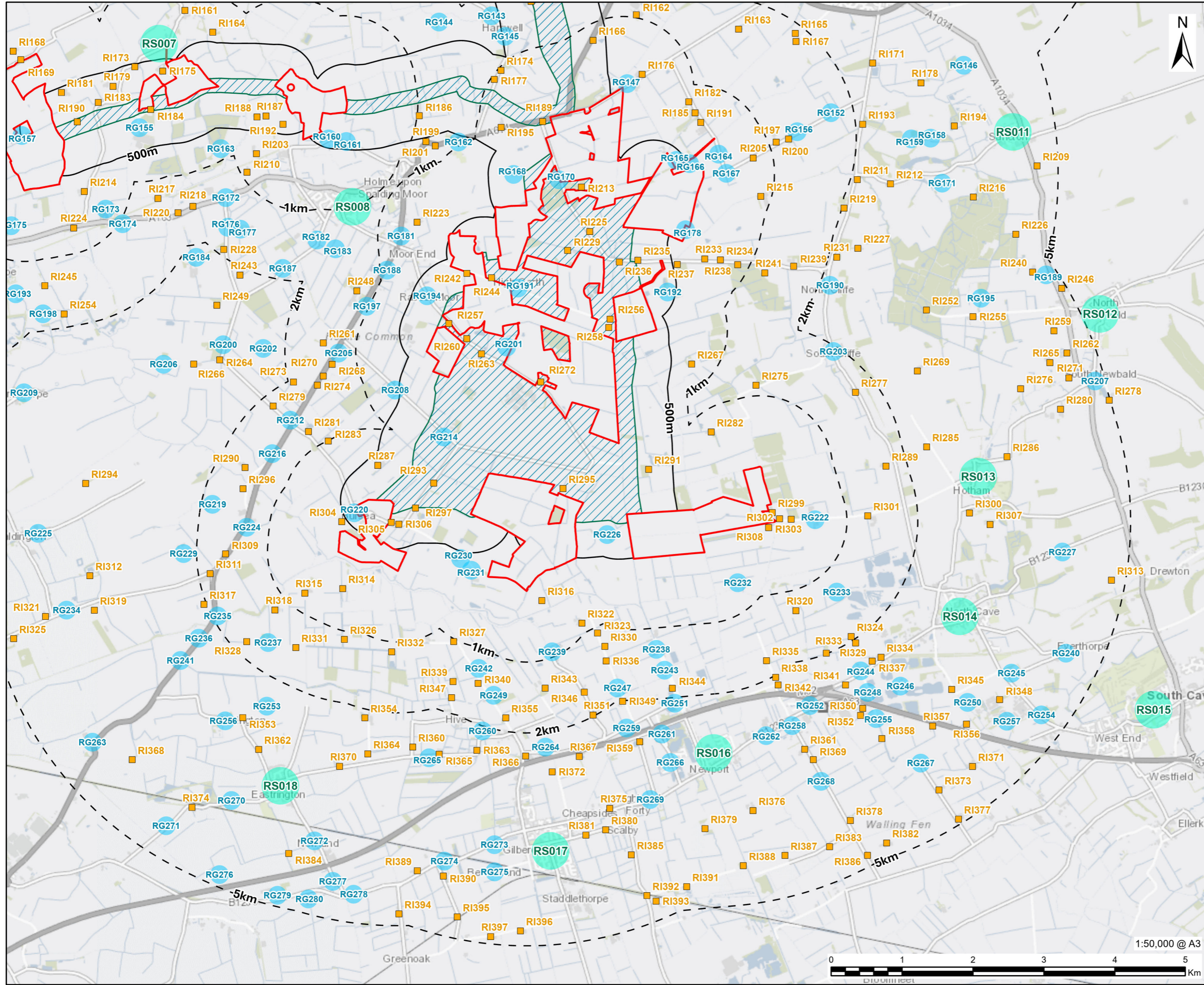
FIGURE TITLE

Private Receptors: Sheet 3 of 4
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER

Figure 7-11-3

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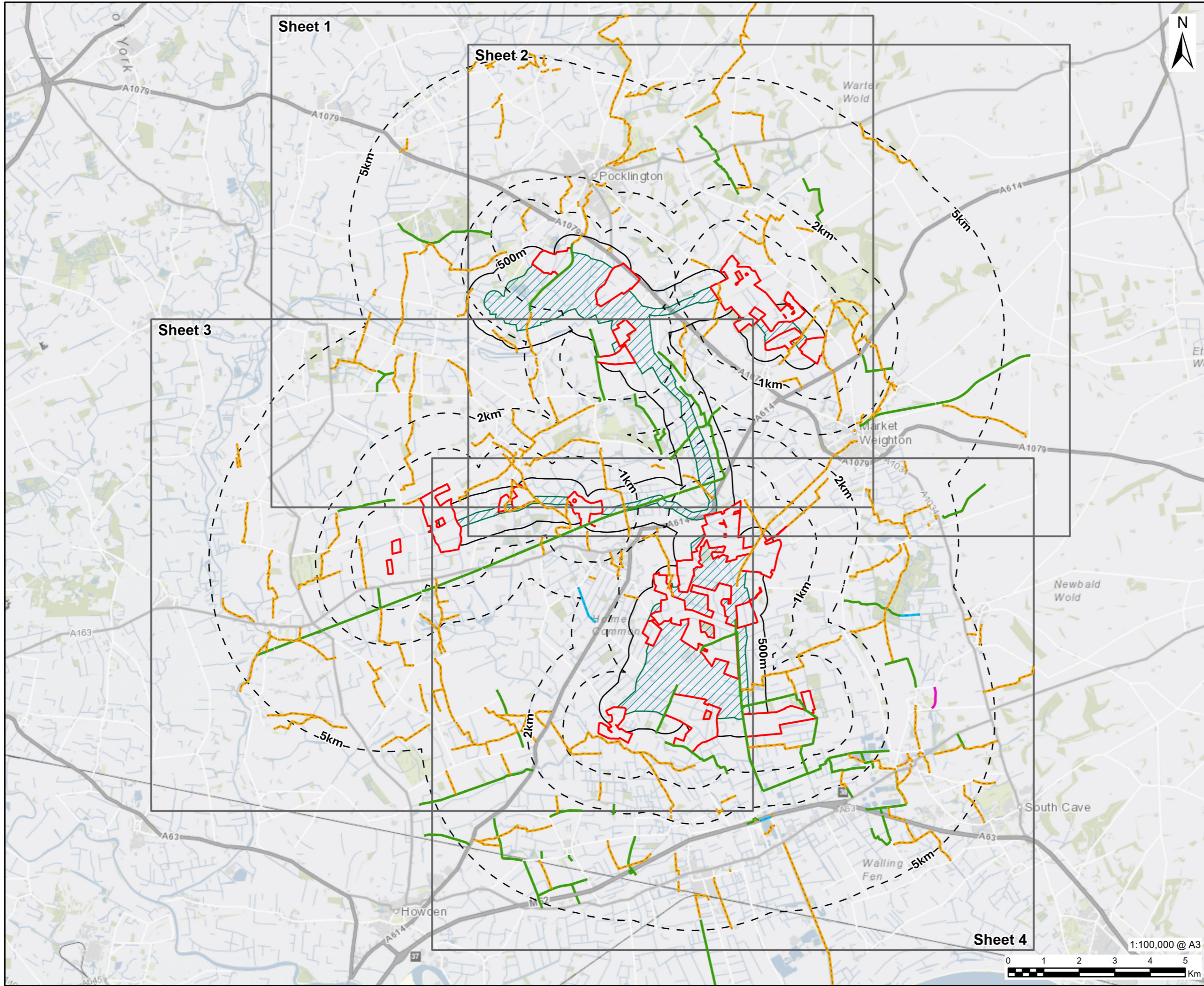
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FIGURE TITLE
Private Receptors: Sheet 4 of 4
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER
Figure 7-11-4

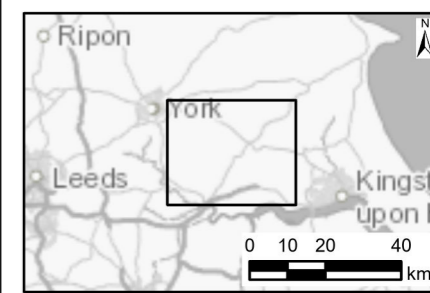


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- Scoping Site Boundary**
- Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
 - Sheet Index
- Public Receptors**
- Byway Open to All Traffic
 - Bridleway
 - Footpath
 - Restricted Byway



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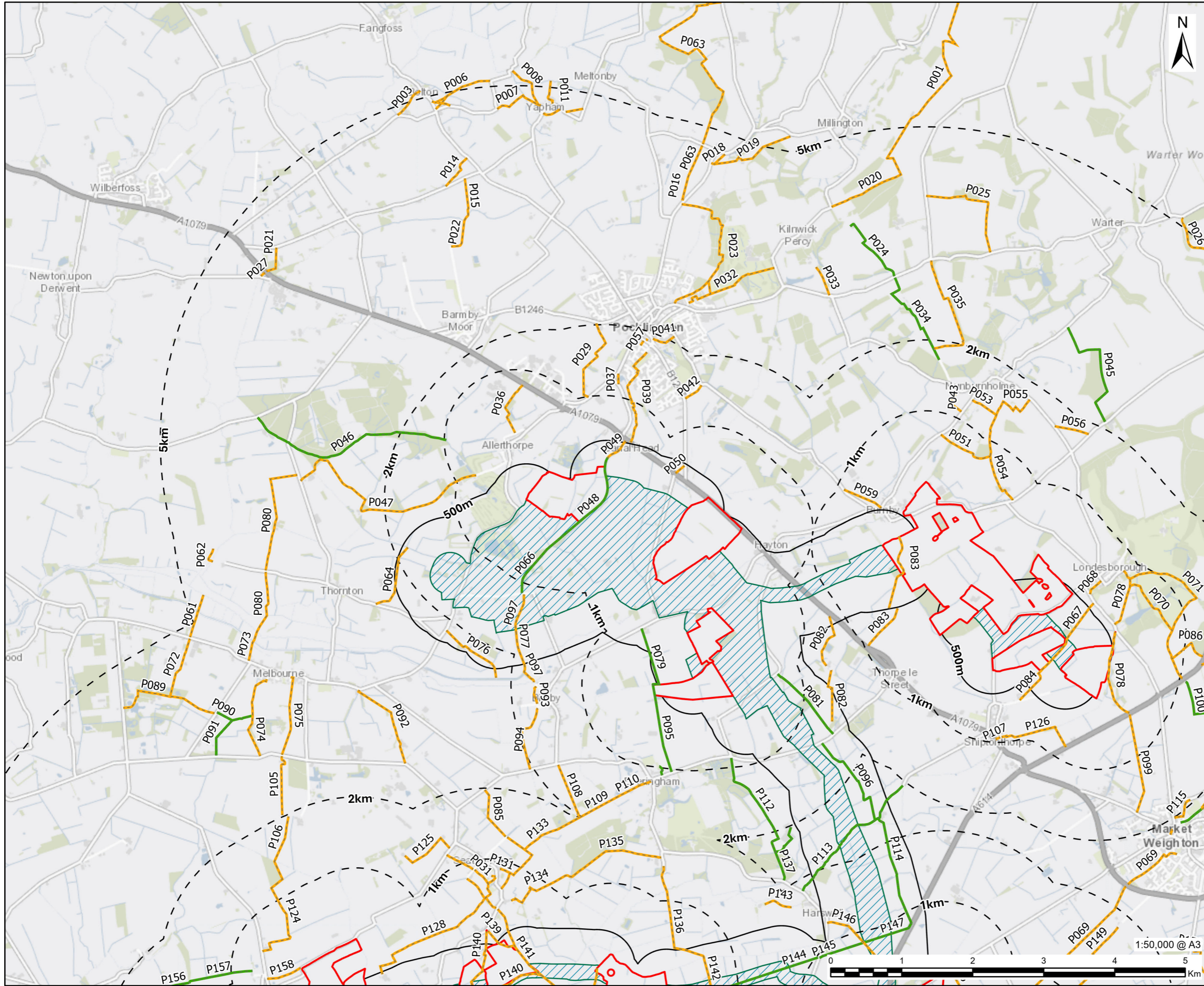
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Public Receptors
Landscape and Visual Appraisal (LVA)

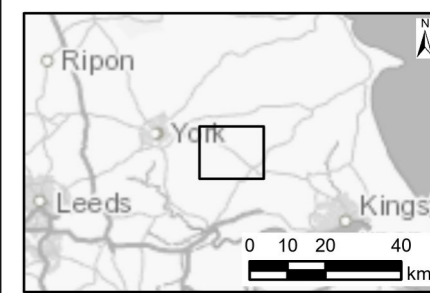
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- Scoping Site Boundary**
- Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
- Public Receptors**
- Byway Open to All Traffic
 - Bridleway
 - Footpath
 - Restricted Byway



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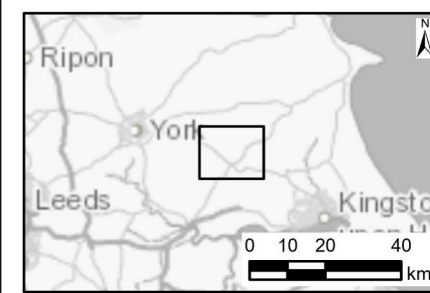
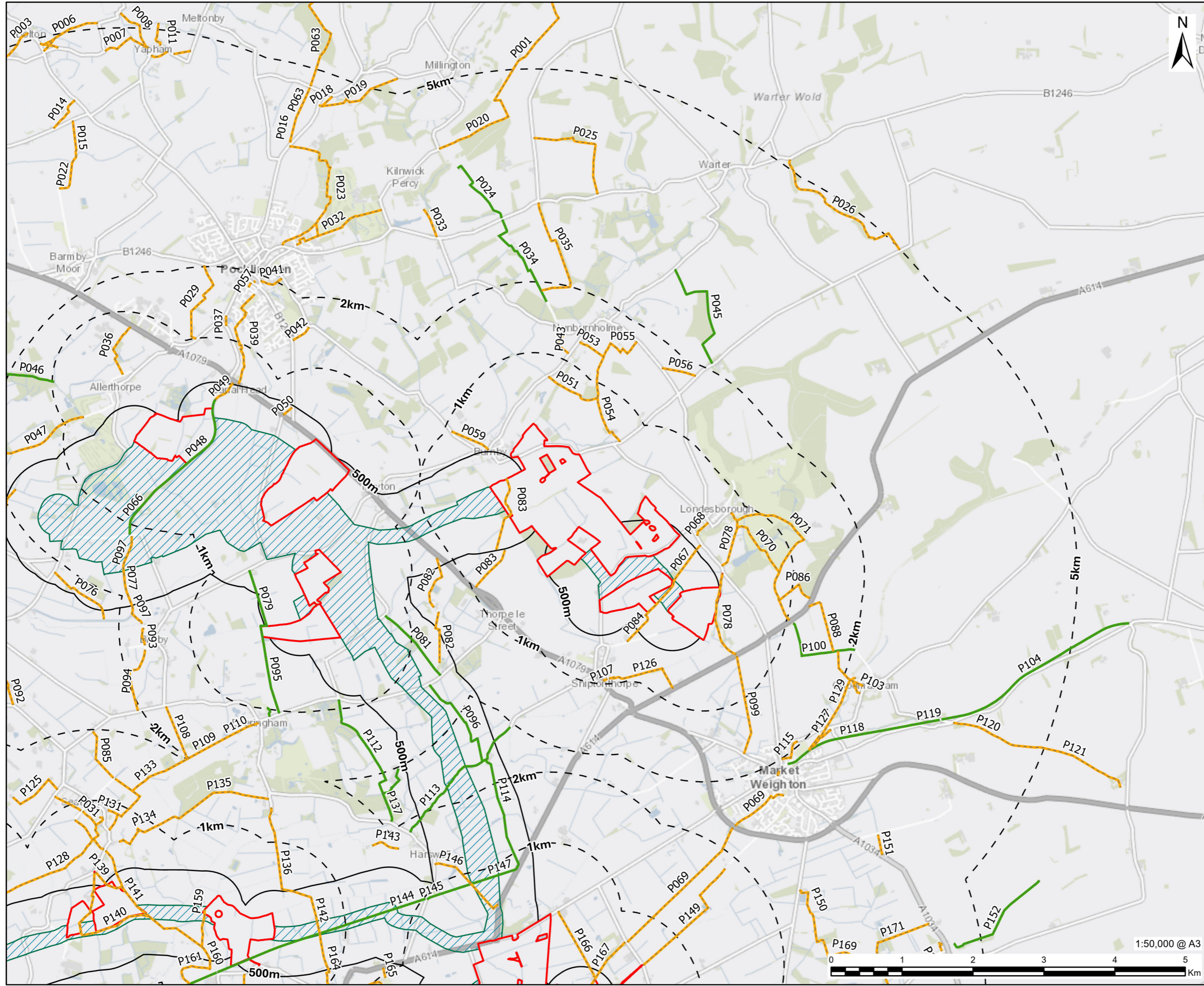
FIGURE TITLE

Public Receptors: Sheet 1 of 4
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER

Figure 7-12-1

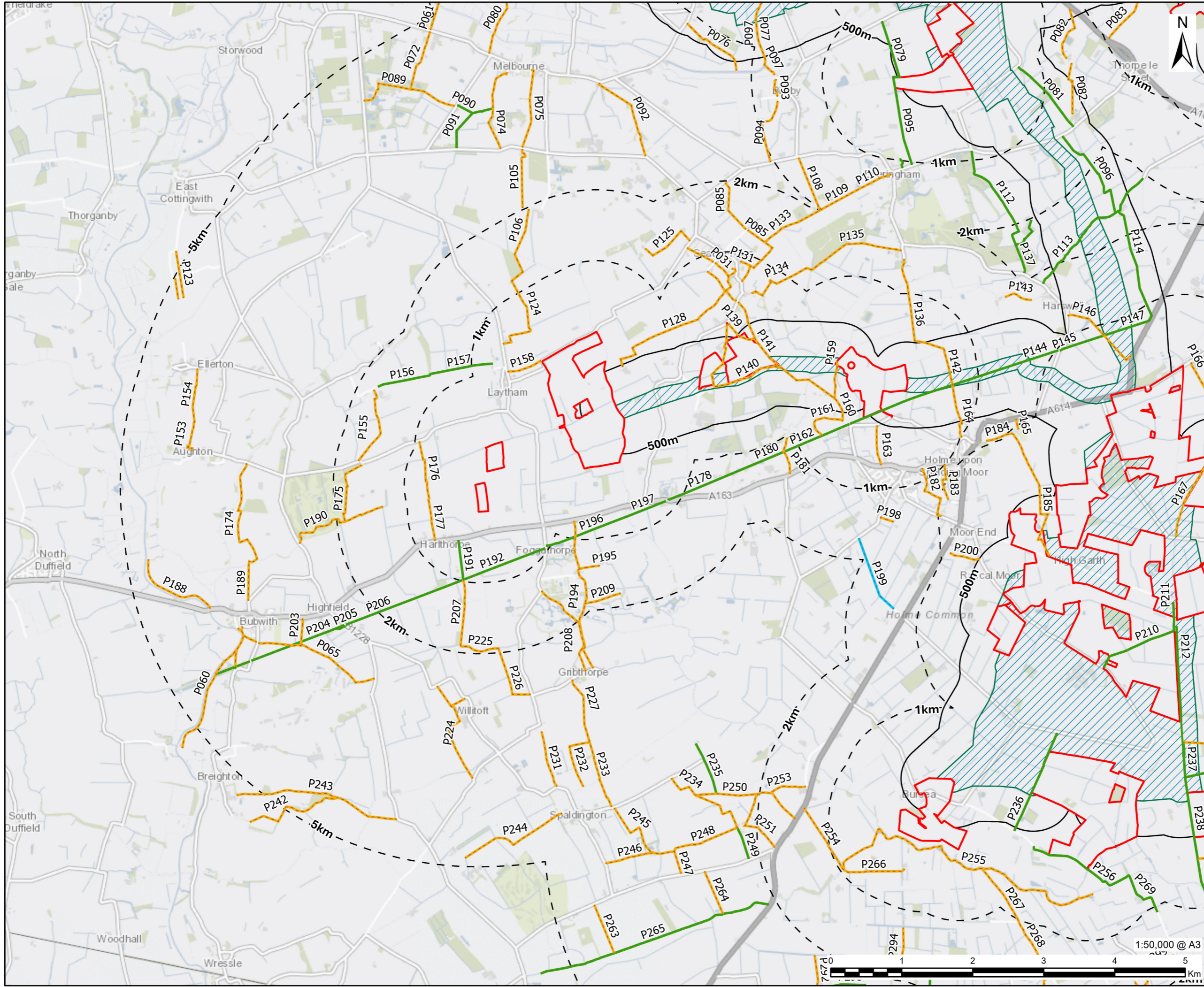
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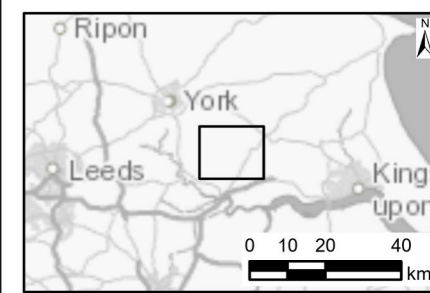


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- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
- Public Receptors**
- Byway Open to All Traffic
 - Bridleway
 - Footpath
 - Restricted Byway



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FIGURE TITLE

Public Receptors: Sheet 3 of 4
Landscape and Visual Appraisal (LVA)

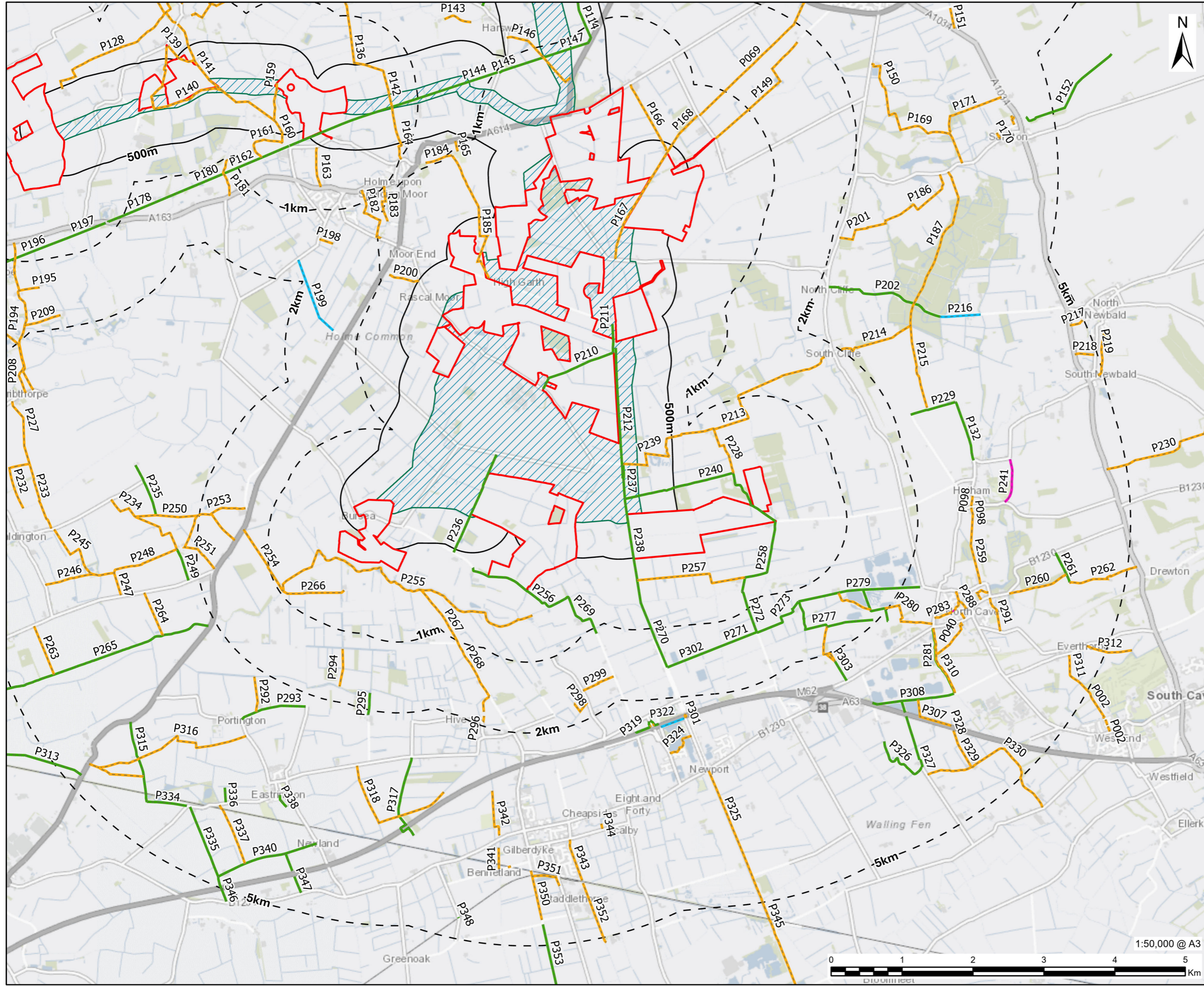
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Figure 7-12-3

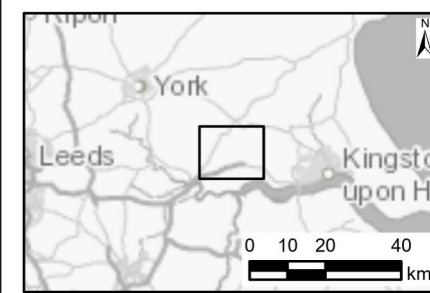
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- LEGEND**
- Humberhead Sites
 - Cable Route Search Corridor
 - Study Areas
 - Cable Route Corridor Study Area
 - Public Receptors**
 - Byway Open to All Traffic
 - Bridleway
 - Footpath
 - Restricted Byway



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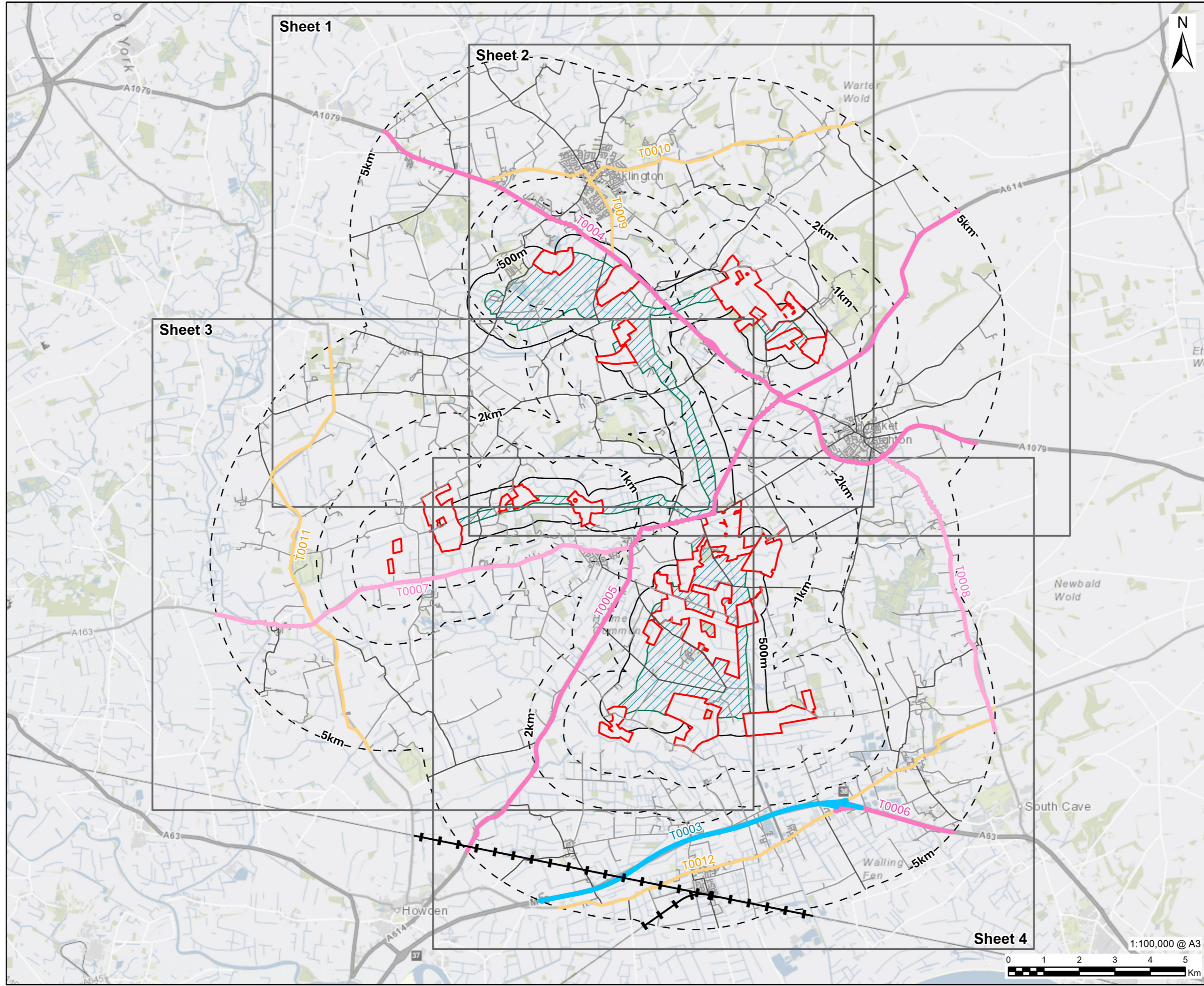
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FIGURE TITLE
Public Receptors: Sheet 4 of 4
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER
Figure 7-12-4

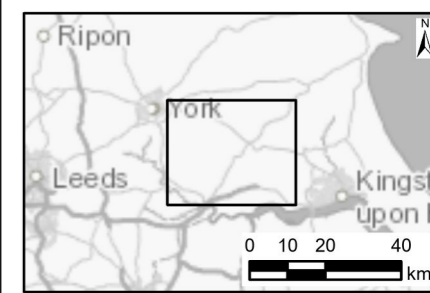


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- Humberhead Sites
 - Cable Route Search Corridor
- Study Areas**
- Study Areas
 - Cable Route Corridor Study Area
 - Sheet Index
- Transport Receptors**
- Rail
 - Motorway
 - Primary Road
 - A Road
 - B Road
 - Classified Unnumbered
 - Unclassified / Unknown



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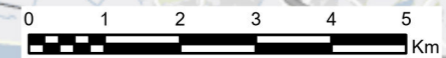
FIGURE TITLE

Transport Receptors
Landscape and Visual Appraisal (LVA)

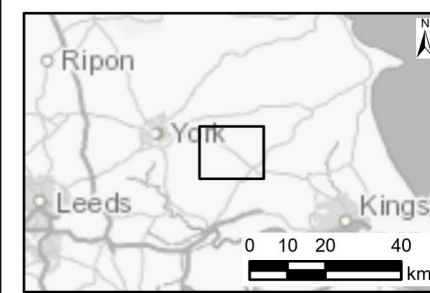
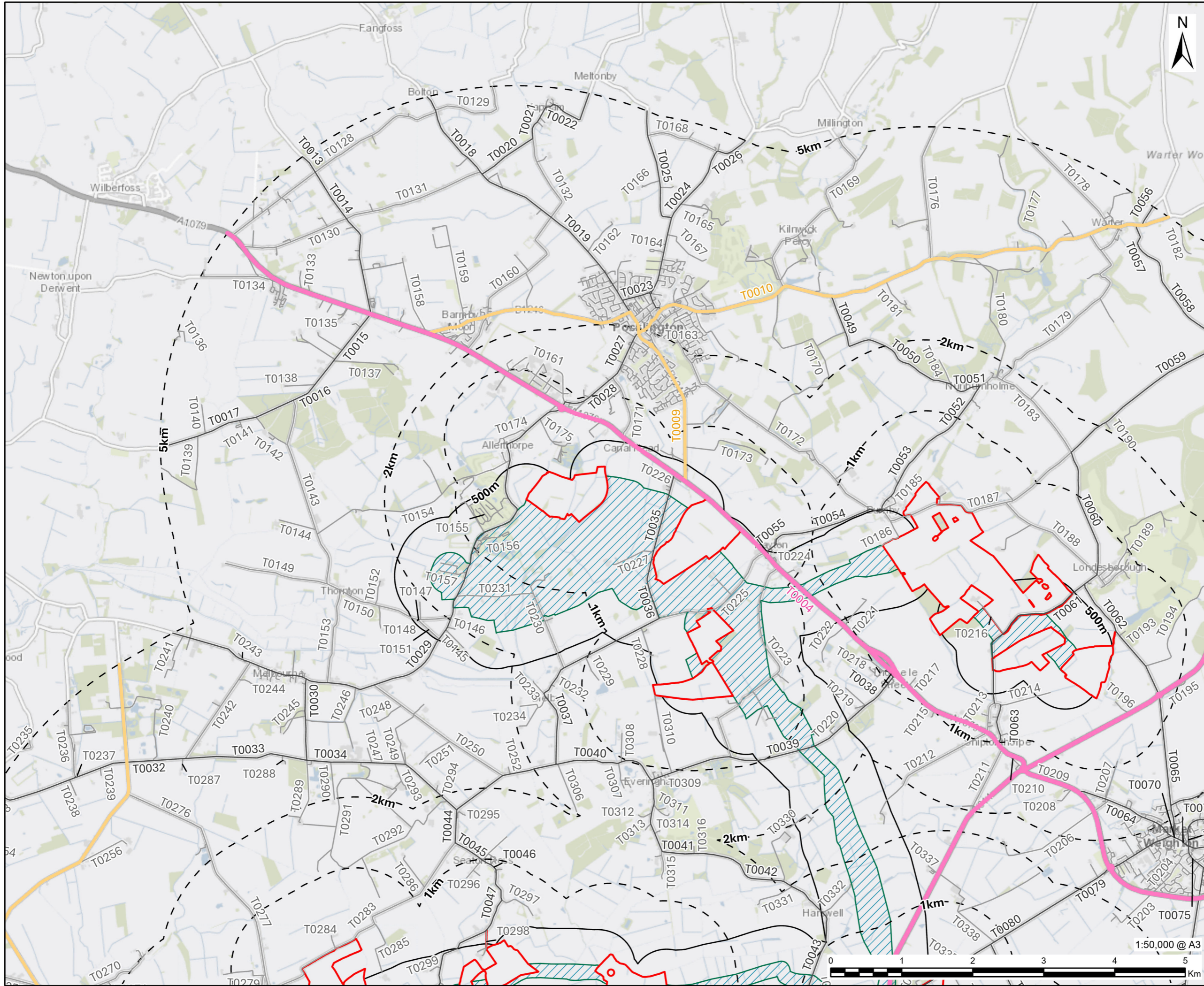
FIGURE NUMBER

Figure 7-13

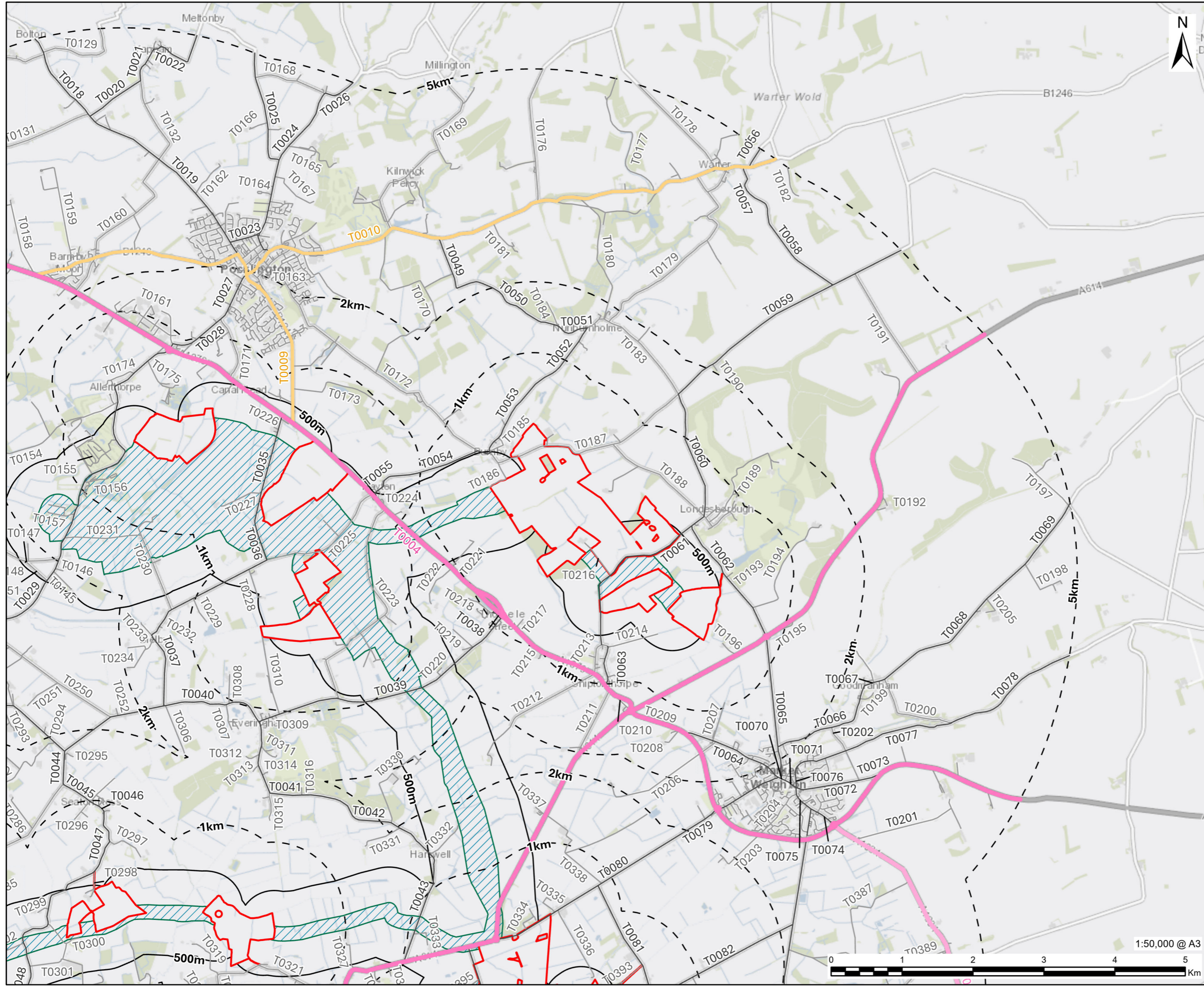
1:100,000 @ A3



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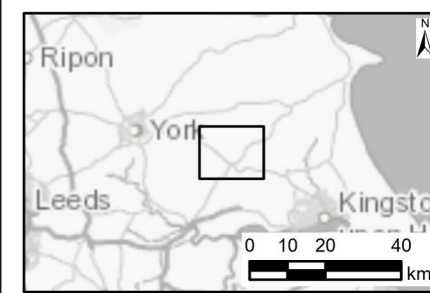


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FIGURE TITLE

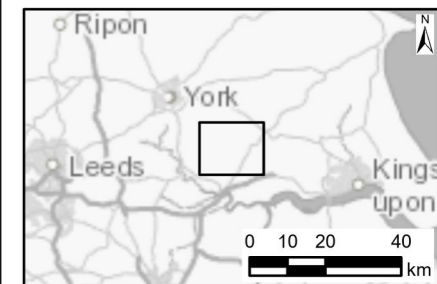
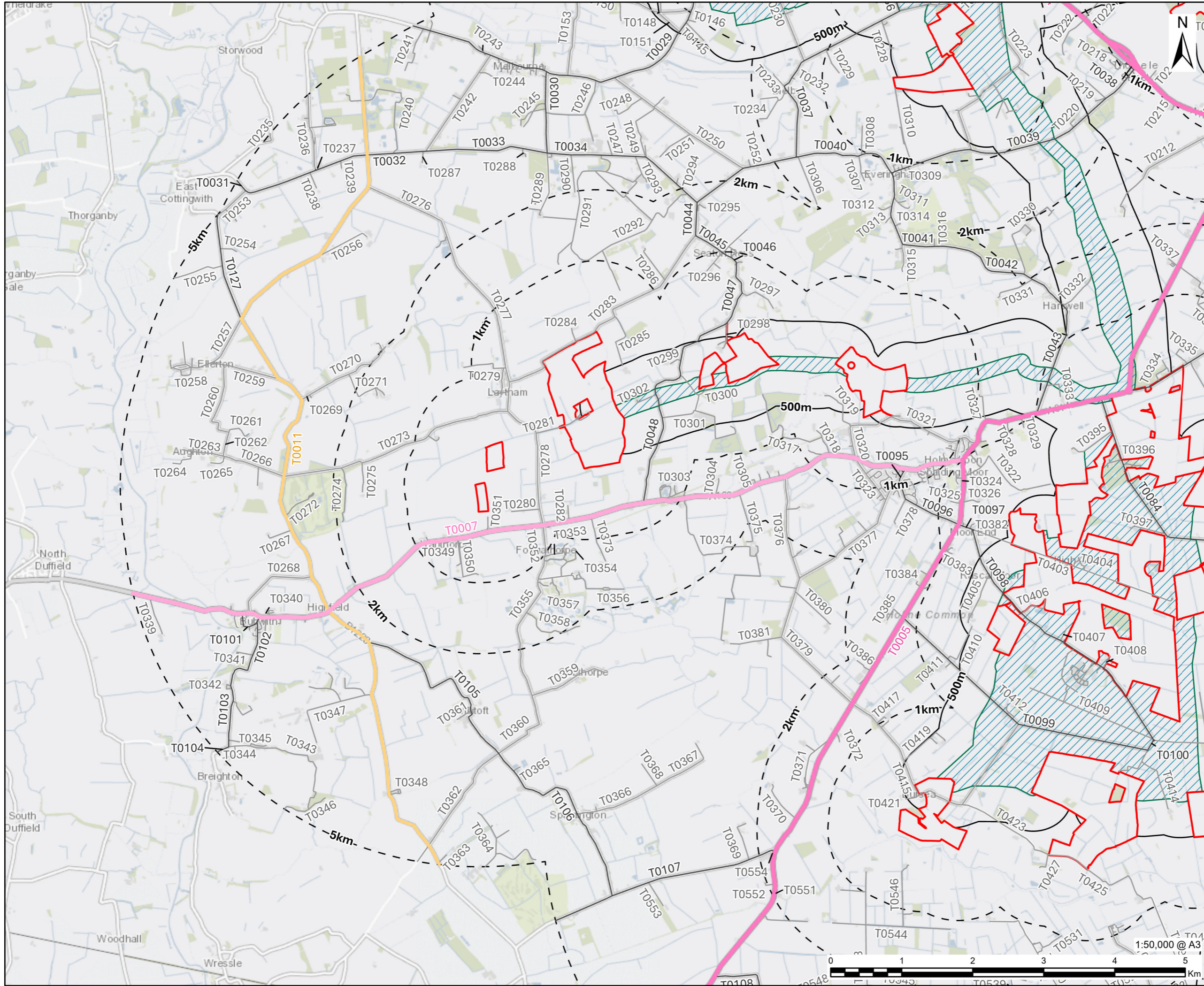
Transport Receptors: Sheet 2 of 4
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER

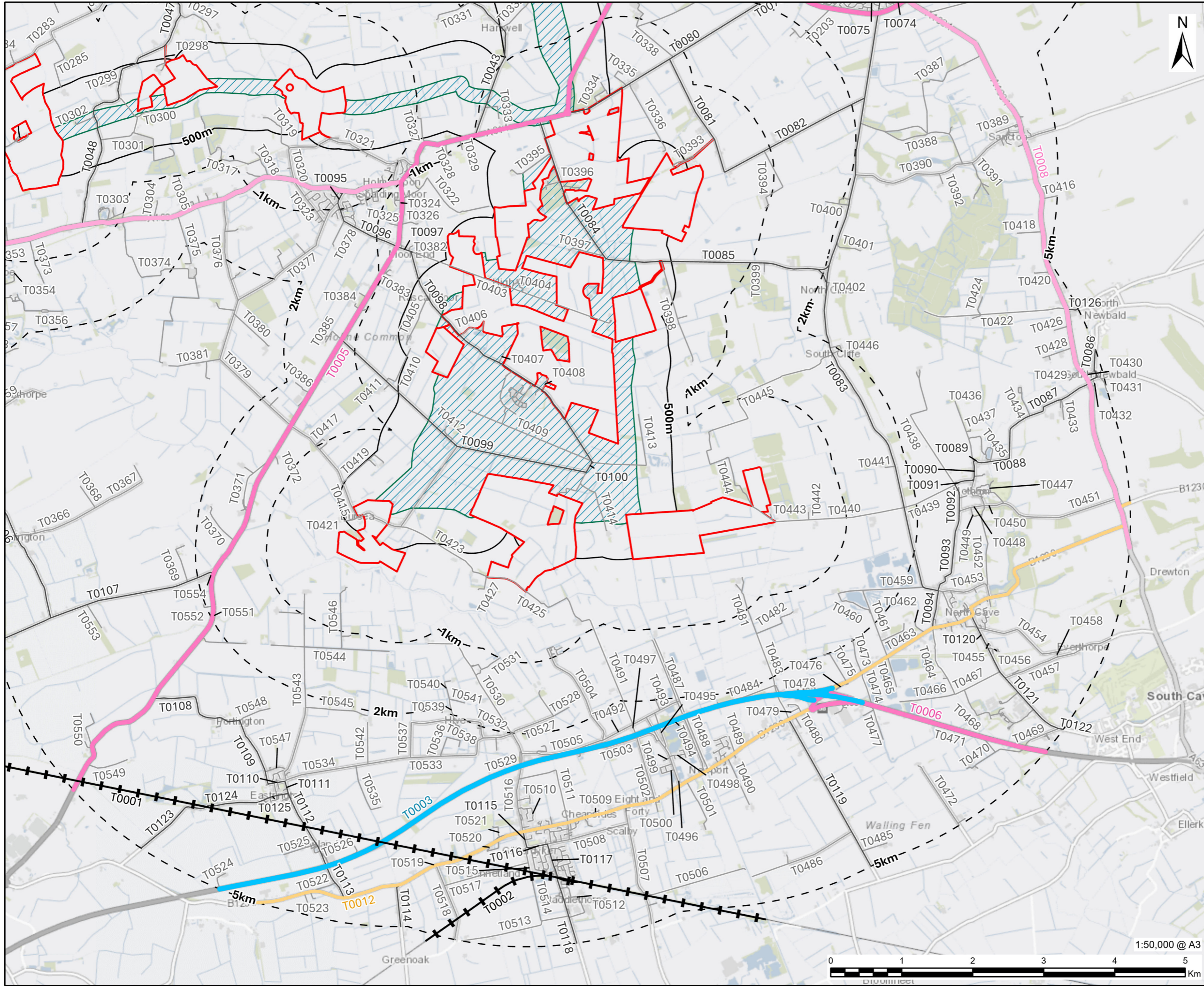
Figure 7-13-2

1:50,000 @ A3



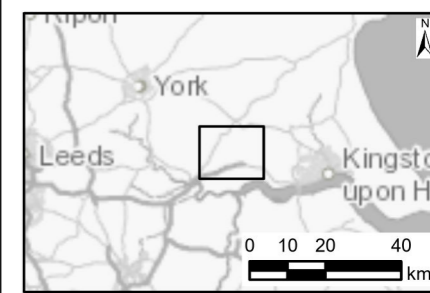


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FIGURE TITLE

Transport Receptors: Sheet 4 of 4
Landscape and Visual Appraisal (LVA)

FIGURE NUMBER

Figure 7-13-4



1:50,000 @ A3

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HUMBERHEAD
SOLAR