

The background image shows two women walking on a dirt path through a field of tall grass and wildflowers. The woman on the left is wearing a plaid shirt, a dark vest, and jeans, and is holding a leash for a black and white dog. The woman on the right is wearing a dark jacket and leggings. In the background, there are several high-voltage power lines and a clear blue sky with scattered white clouds.

**The Great Grid Upgrade**

Grimsby to Walpole

# Preliminary Environmental Information Report

Volume 2 Part B Section Specific Assessments

Section 4 New Lincolnshire Connection Substation B to Refined  
Weston Marsh Substation Siting Zone

Chapter 3 Visual

Figures

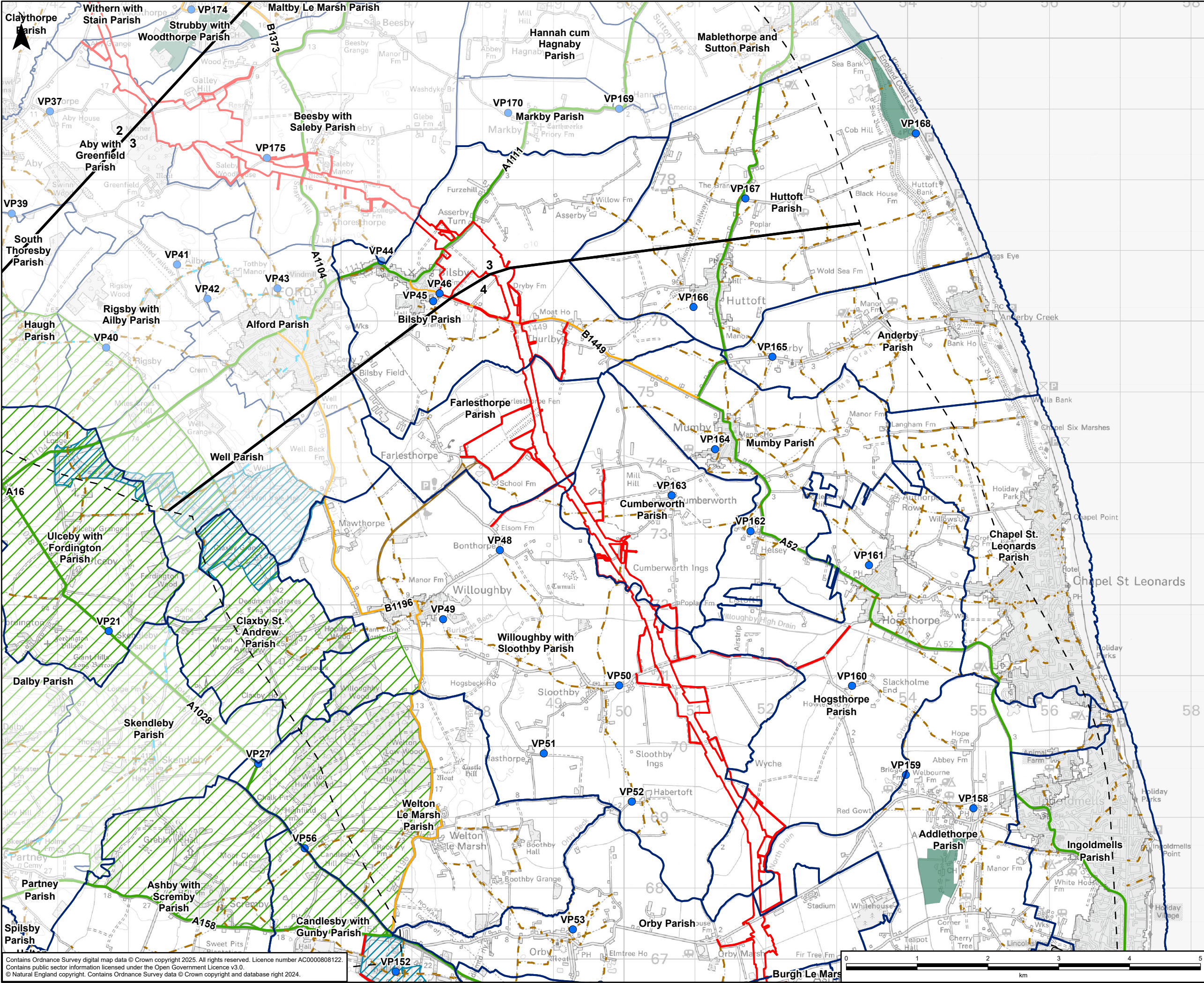
June 2025



# Volume 2 Part B Section 4 Chapter 3 – Figure List

Figure number	Figure title
Figure 3.1	Visual Receptors and Viewpoints
Figure 3.2	Zone of Theoretical Visibility (ZTV)





GRIMSBY TO WALPOLE LEGEND

**Legend**

- Draft Order Limits
- Route Section Break
- 5km Study Area
- Parish Boundary (assessed in this Section)
- Viewpoint Location
- A Road
- B Road
- Lincolnshire Wolds National Landscape (Area of Outstanding Natural Beauty)
- Registered Park and Gardens
- Built Up Area

**Recreational Route**

- Public Rights of Way (PRoW)
- Lindsey Loop

**Visitor Destination**

- Golf Course
- Local Nature Reserve

A	08/05/2025	First Issue	LC	HJ	DR
Rev	Date	Description	GIS	Chk	App

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Purpose: PEI REPORT - SECTION 4

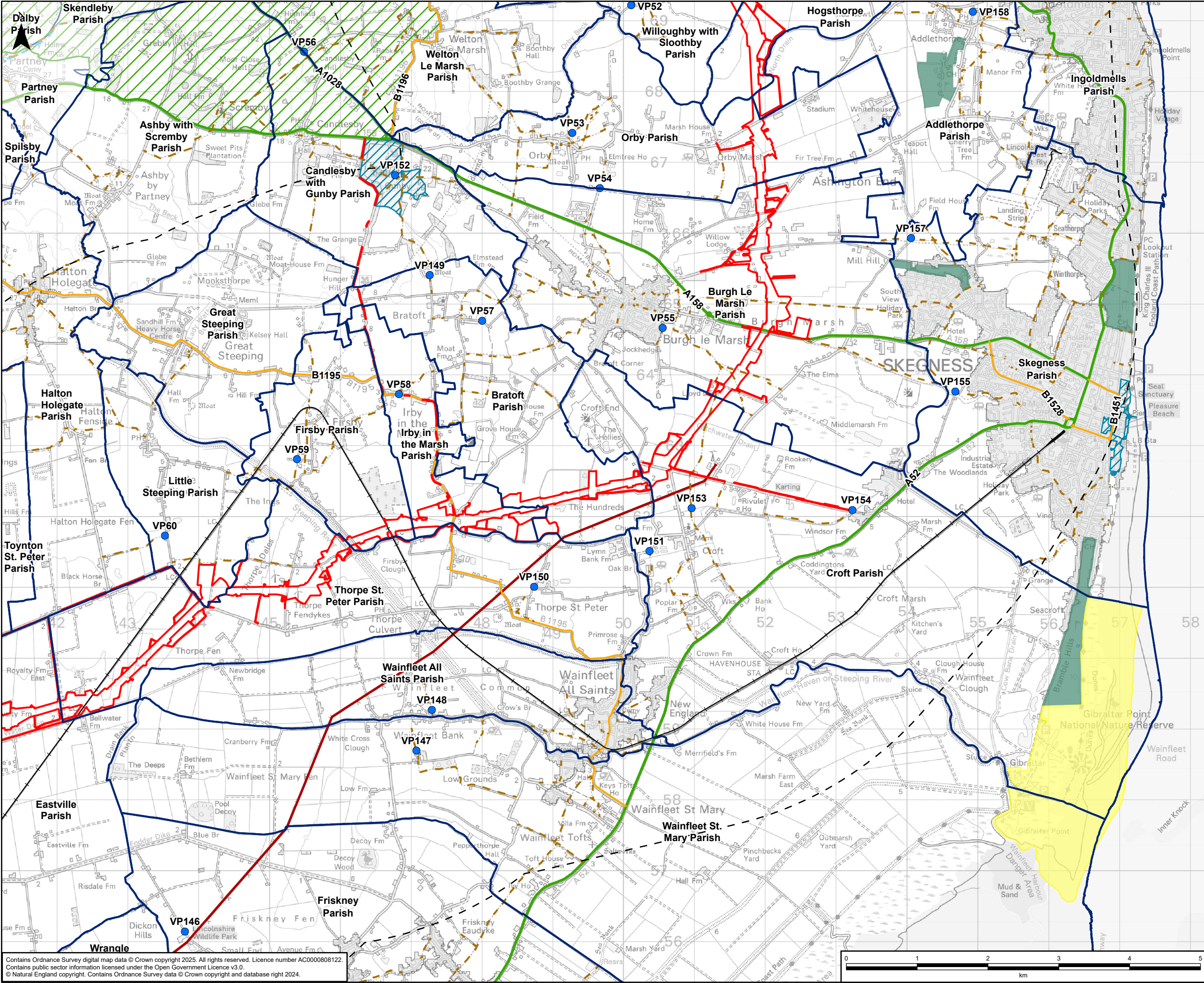
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Document Title: FIGURE 3.1  
VISUAL RECEPTORS AND VIEWPOINTS

Creator: LC	Date: 08/05/2025	Checker: HJ	Date: 08/05/2025	Approver: DR	Date: 08/05/2025
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GRIMSBY TO WALPOLE LEGEND

**Legend**

- Draft Order Limits
- 5km Study Area
- Parish Boundary (assessed in this Section)
- Viewpoint Location
- A Road
- B Road
- DNO Existing Overhead Line 132KV
- Lincolnshire Wolds National Landscape (Area of Outstanding Natural Beauty)
- Registered Park and Gardens
- Built Up Area
- Recreational Route
  - Public Rights of Way (PRoW)
  - Lindsey Loop
- Visitor Destination
  - Golf Course
  - National Nature Reserve

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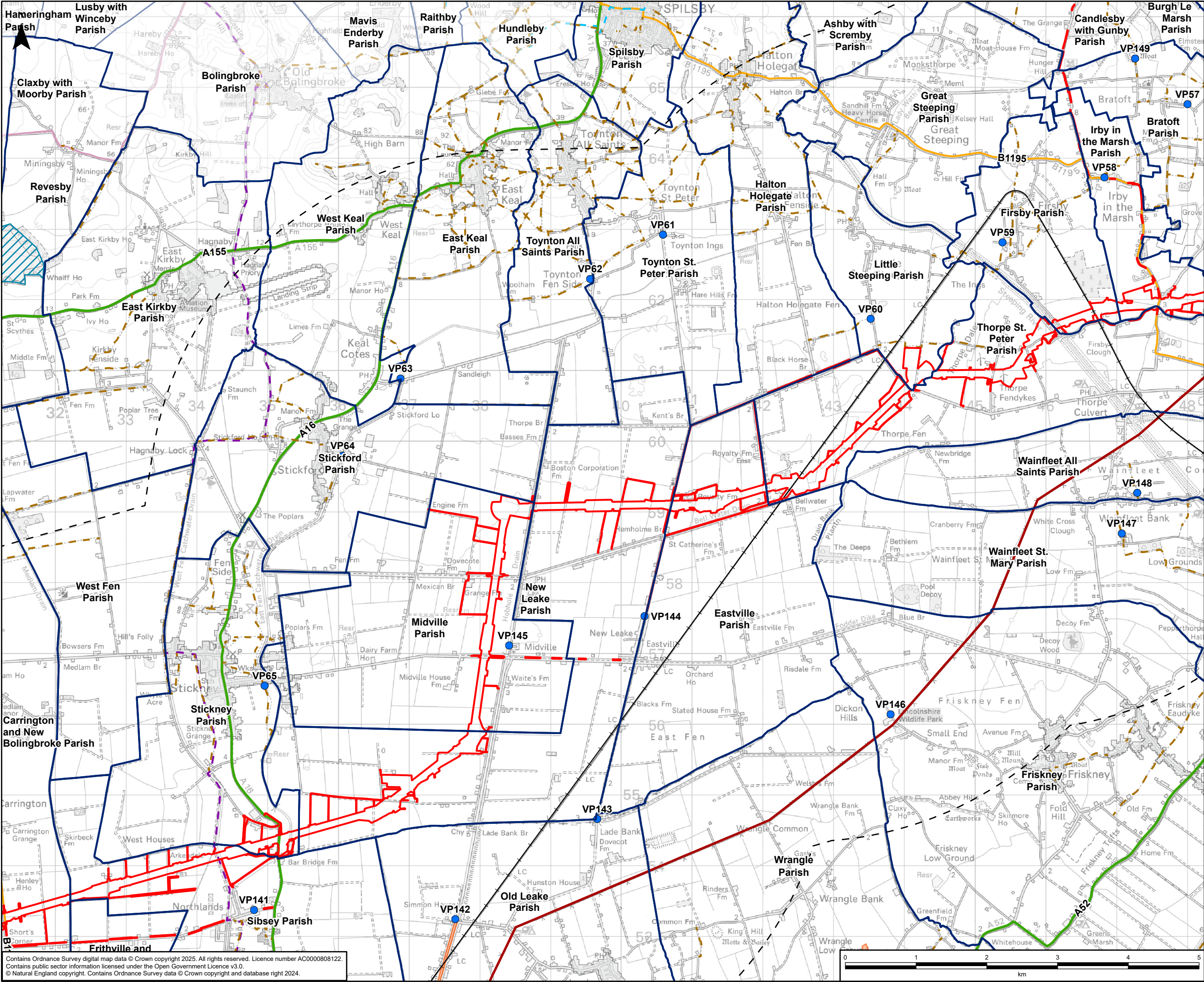
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GRIMSBY TO WALPOLE LEGEND

Legend

- Draft Order Limits
- 5km Study Area
- Parish Boundary (assessed in this Section)
- Viewpoint Location
- A Road
- B Road
- DNO Existing Overhead Line 132KV
- Registered Park and Gardens
- Built Up Area
- Recreational Route
  - Public Rights of Way (PRoW)
  - Lindsey Trail
  - Lindsey Loop
  - Greenwich Meridian Trail
  - Local Wildlife Site

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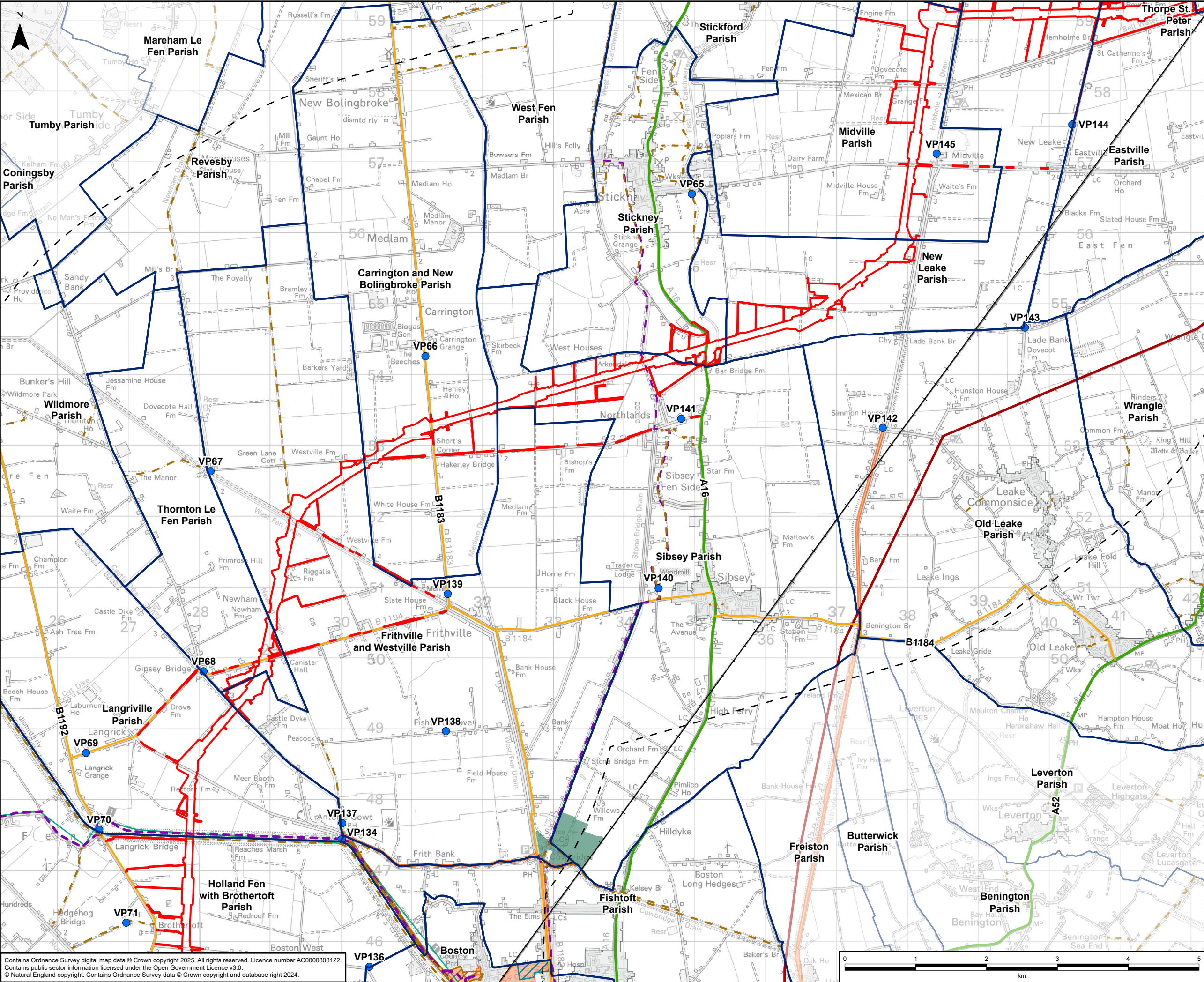
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GRIMSBY TO WALPOLE LEGEND

**Legend**

- Draft Order Limits
- 5km Study Area
- Parish Boundary (assessed in this Section)
- Viewpoint Location
- A Road
- B Road
- DNO Existing Overhead Line 132kV
- Registered Park and Gardens
- Country Park
- Built Up Area

**Recreational Route**

- Public Rights of Way (PRoW)
- National Cycle Network
- Greenwich Meridian Trail
- Water Rail Way

**Visitor Destination**

- Golf Course
- Local Wildlife Site

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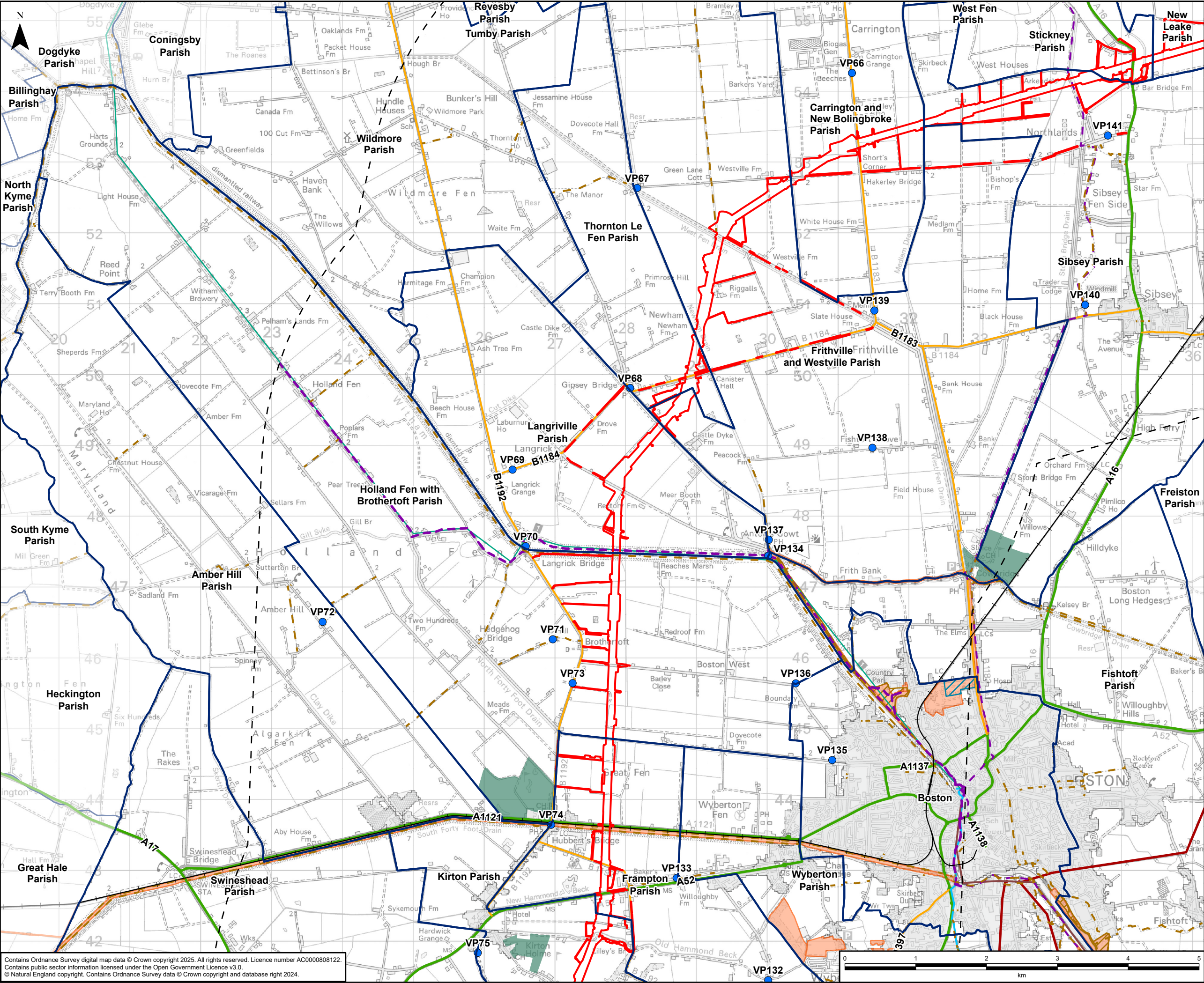
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GRIMSBY TO WALPOLE LEGEND

Legend

- Draft Order Limits
- 5km Study Area
- Parish Boundary (assessed in this Section)
- Viewpoint Location
- A Road
- B Road
- DNO Existing Overhead Line 132kV
- Registered Park and Gardens
- Country Park
- Built Up Area
- Recreational Route
  - Public Rights of Way (PRoW)
  - National Cycle Network
  - Cross Britian Way
  - MacMillan Way
  - Greenwich Meridian Trail
  - Water Rail Way
- Visitor Destination
  - Golf Course
  - Local Nature Reserve
  - Local Wildlife Site

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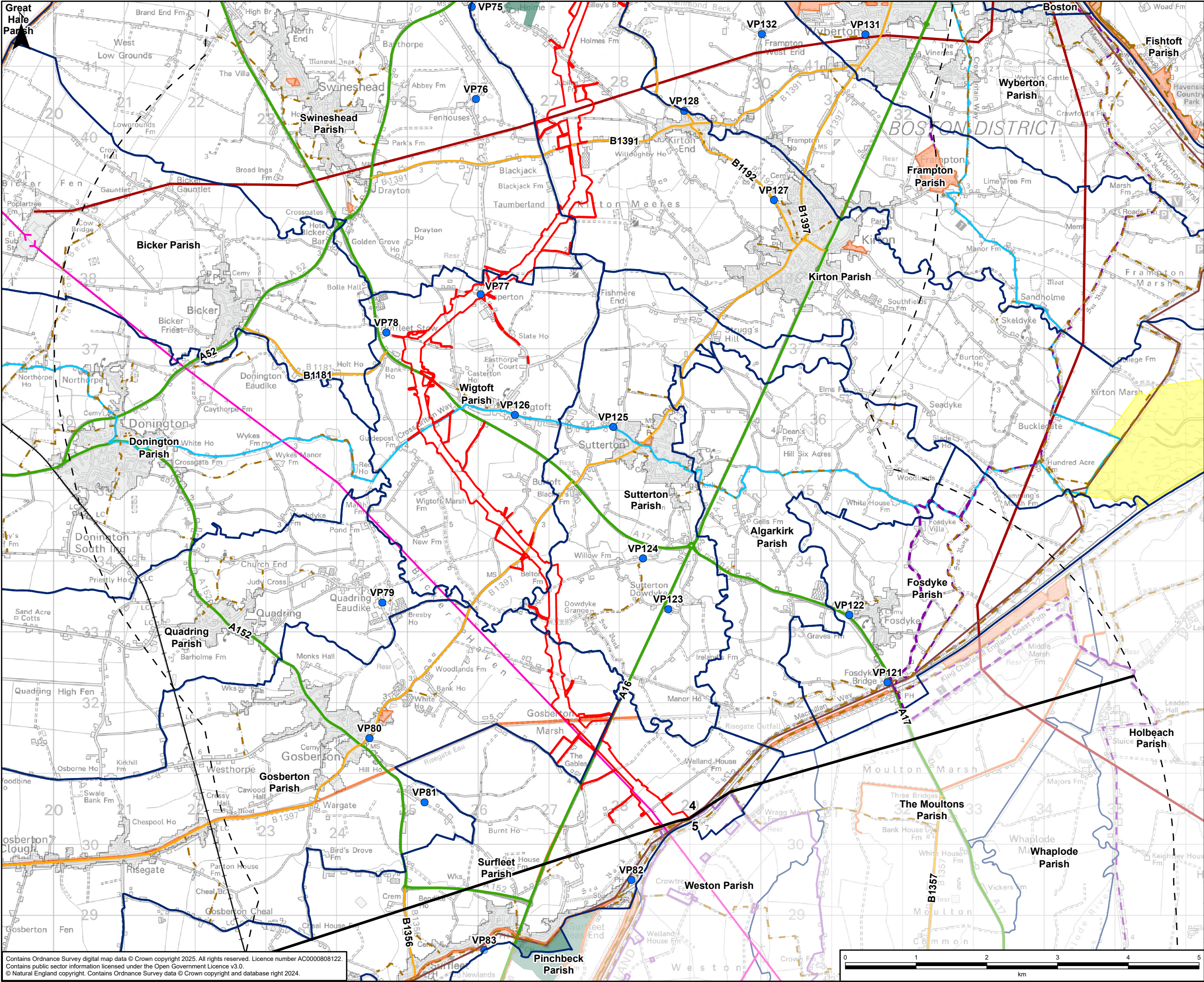
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GRIMSBY TO WALPOLE LEGEND

Draft Order Limits

Refined Weston Marsh Substation Siting Zone

Route Section Break

5km Study Area

Parish Boundary (assessed in this Section)

Viewpoint Location

A Road

B Road

National Grid Existing Overhead Line 400kV

DNO Existing Overhead Line 132kV

Country Park

Built Up Area

Recreational Route

Public Rights of Way (PRoW)

National Cycle Network

Cross Britian Way

MacMillan Way

Greenwich Meridian Trail

Visitor Destination

Golf Course

Art Gallery

Local Nature Reserve

National Nature Reserve

Local Wildlife Site

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VISUAL RECEPTORS AND VIEWPOINTS

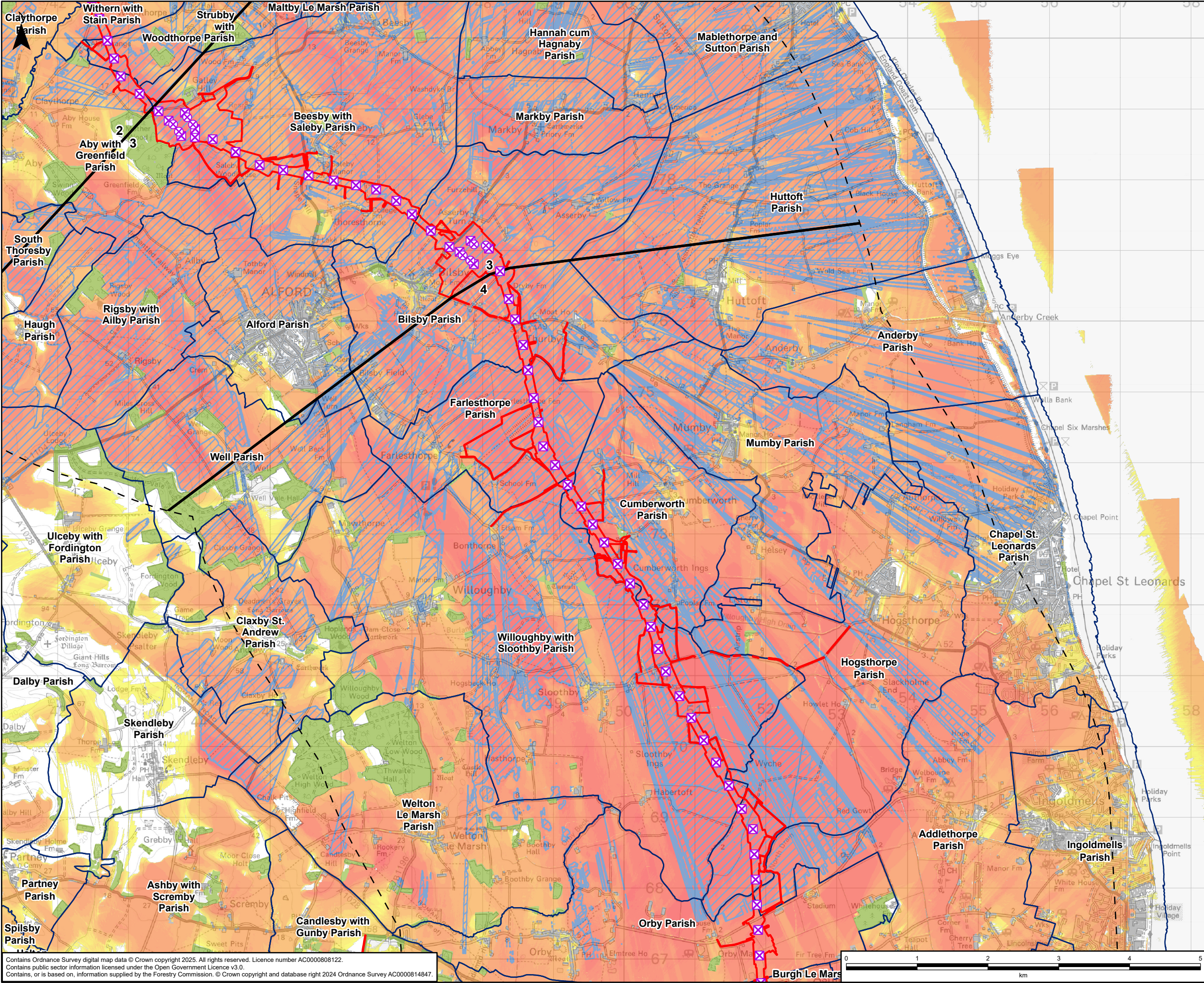
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GRIMSBY TO WALPOLE LEGEND

**Legend**

- Draft Order Limits
- Route Section Break
- 5km Study Area
- Parish Boundary
- Indicative New Lattice Pylon
- Indicative New Gantry
- Existing Building - 8m Height
- National Forest Inventory Woodland - 15m Height
- Zone of Theoretical Visibility - Gantries Visible

**Zone of Theoretical Visibility - Number of Towers Visible**

1 - 2
3 - 4
5 - 6
7 - 8
9 - 10
11 - 19
20 - 28
29 - 37
38 - 46
47 - 55
56 - 65
66 - 77

**ZTV Note:**  
Zone of Theoretical Visibility (ZTV) has been generated using EA Lidar 2m digital terrain model (DTM) which does not take into account the screening effects of vegetation, buildings or other structures. This has been resampled to 5m. Existing Buildings have been incorporated into the DTM from OS OpenMap Local with an assumed height of 8m. Woodland from National Forest Inventory has been incorporated into the DTM with an assumed height of 15m. ZTV is based upon a point at each Indicative Tower and Gantry Location at designed heights, with an observer eye height of 1.6m. Visual banding is due to view of each tower/gantry being limited to 10km. All heights mentioned above are above ground level (AGL) unless otherwise specified.

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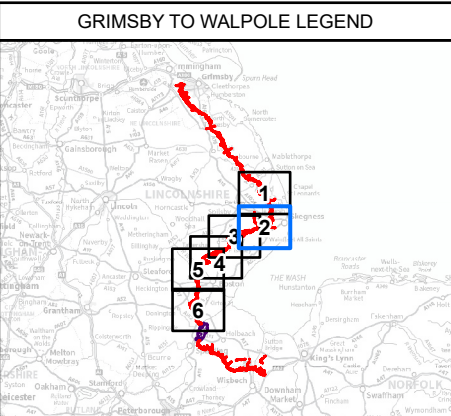
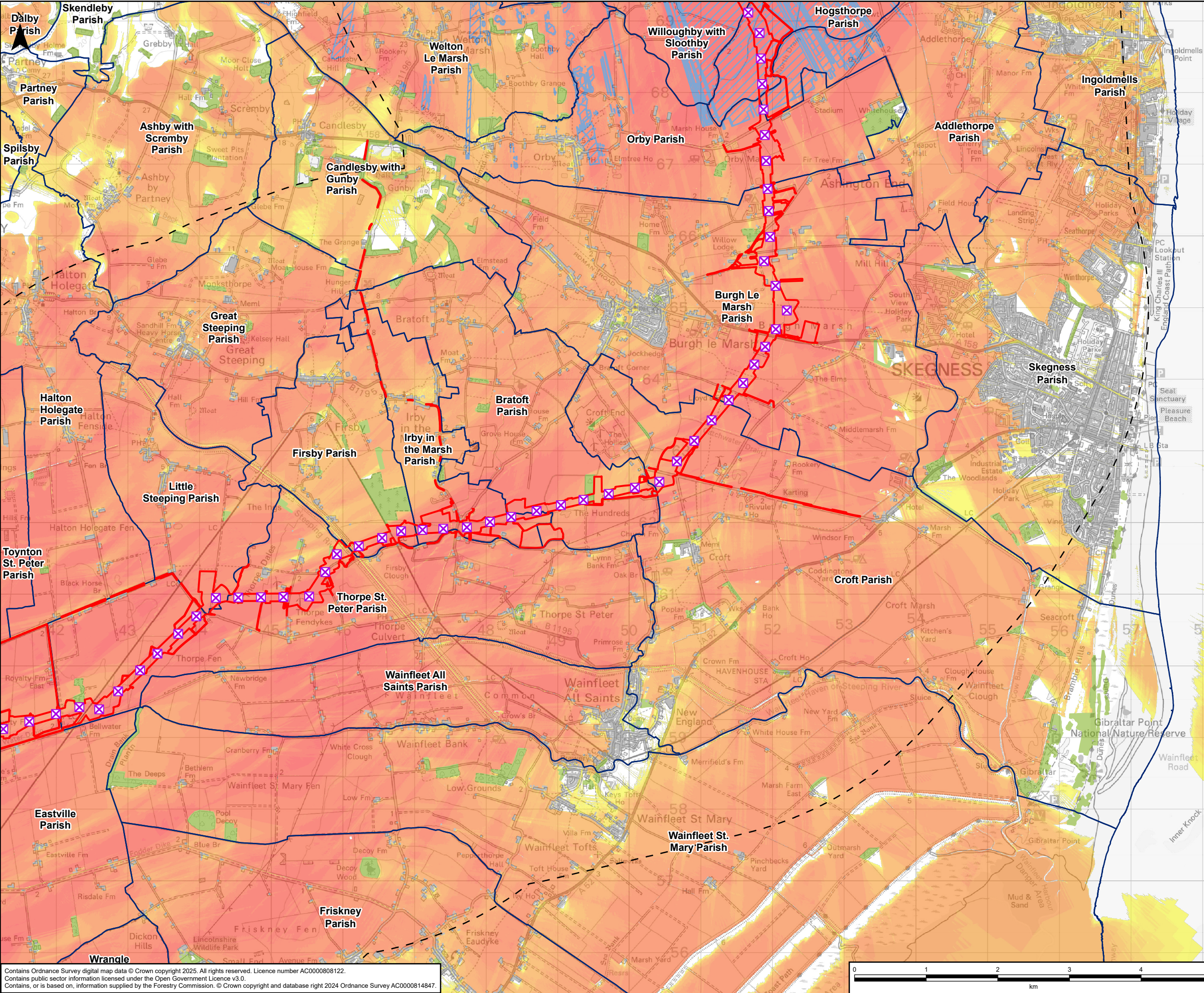
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ZONE OF THEORETICAL VISIBILITY (ZTV)

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**Legend**

- Draft Order Limits
- 5km Study Area
- Parish Boundary
- Indicative New Lattice Pylon
- Existing Building - 8m Height
- National Forest Inventory Woodland - 15m Height
- Zone of Theoretical Visibility - Gantries Visible
- Zone of Theoretical Visibility - Number of Towers Visible

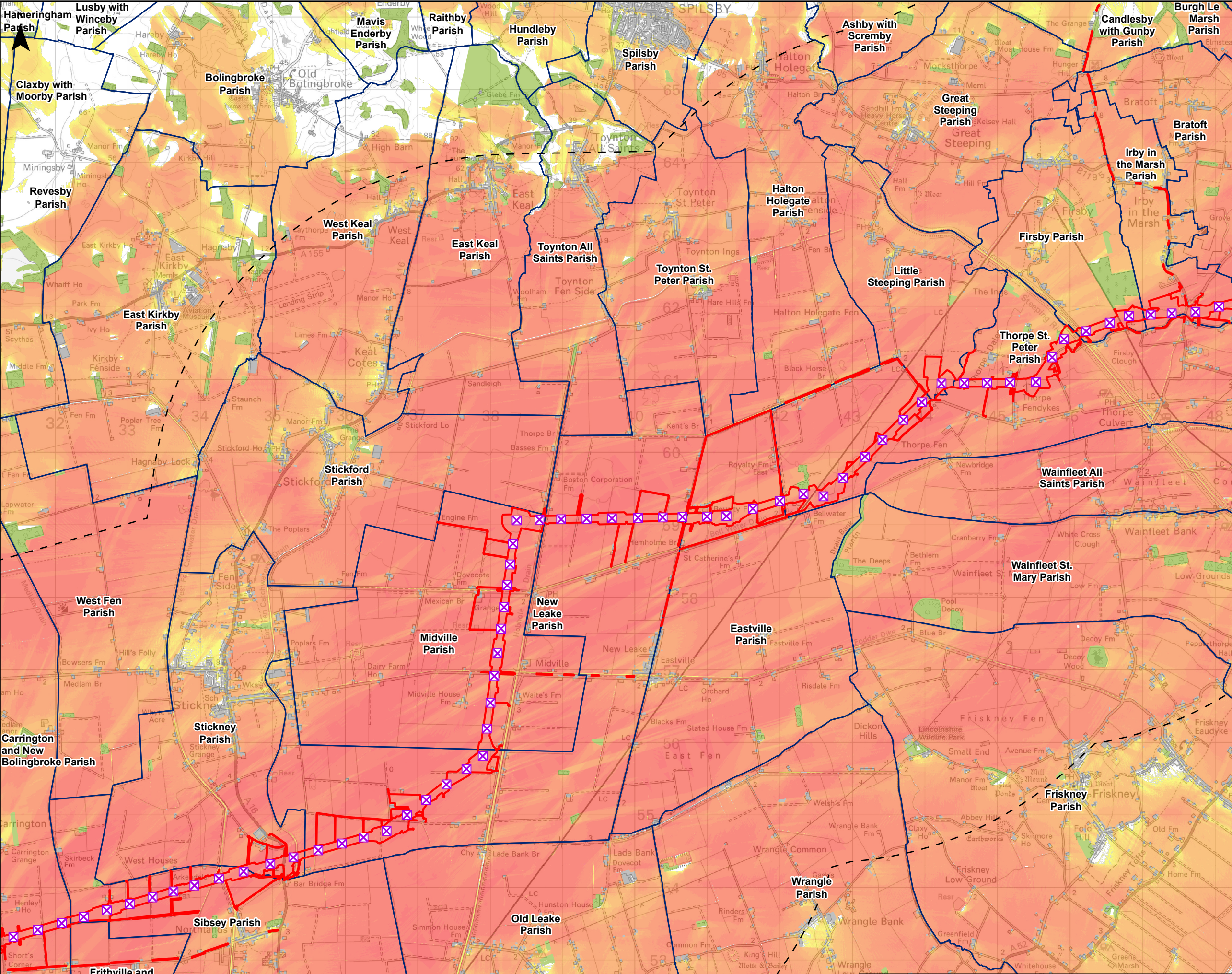
Zone of Theoretical Visibility - Number of Towers Visible
1 - 2
3 - 4
5 - 6
7 - 8
9 - 10
11 - 19
20 - 28
29 - 37
38 - 46
47 - 55
56 - 65
66 - 77

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GRIMSBY TO WALPOLE LEGEND

**Legend**

- Draft Order Limits
- 5km Study Area
- Parish Boundary
- Indicative New Lattice Pylon
- Existing Building - 8m Height
- National Forest Inventory Woodland - 15m Height

Zone of Theoretical Visibility - Number of Towers Visible

1 - 2
3 - 4
5 - 6
7 - 8
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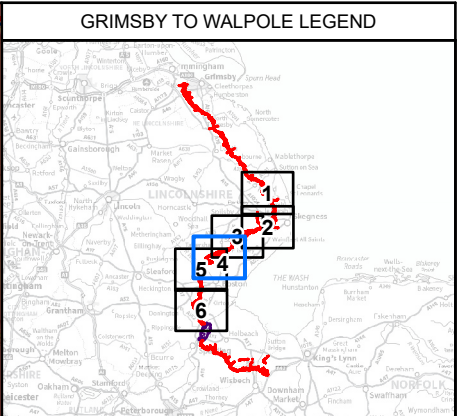
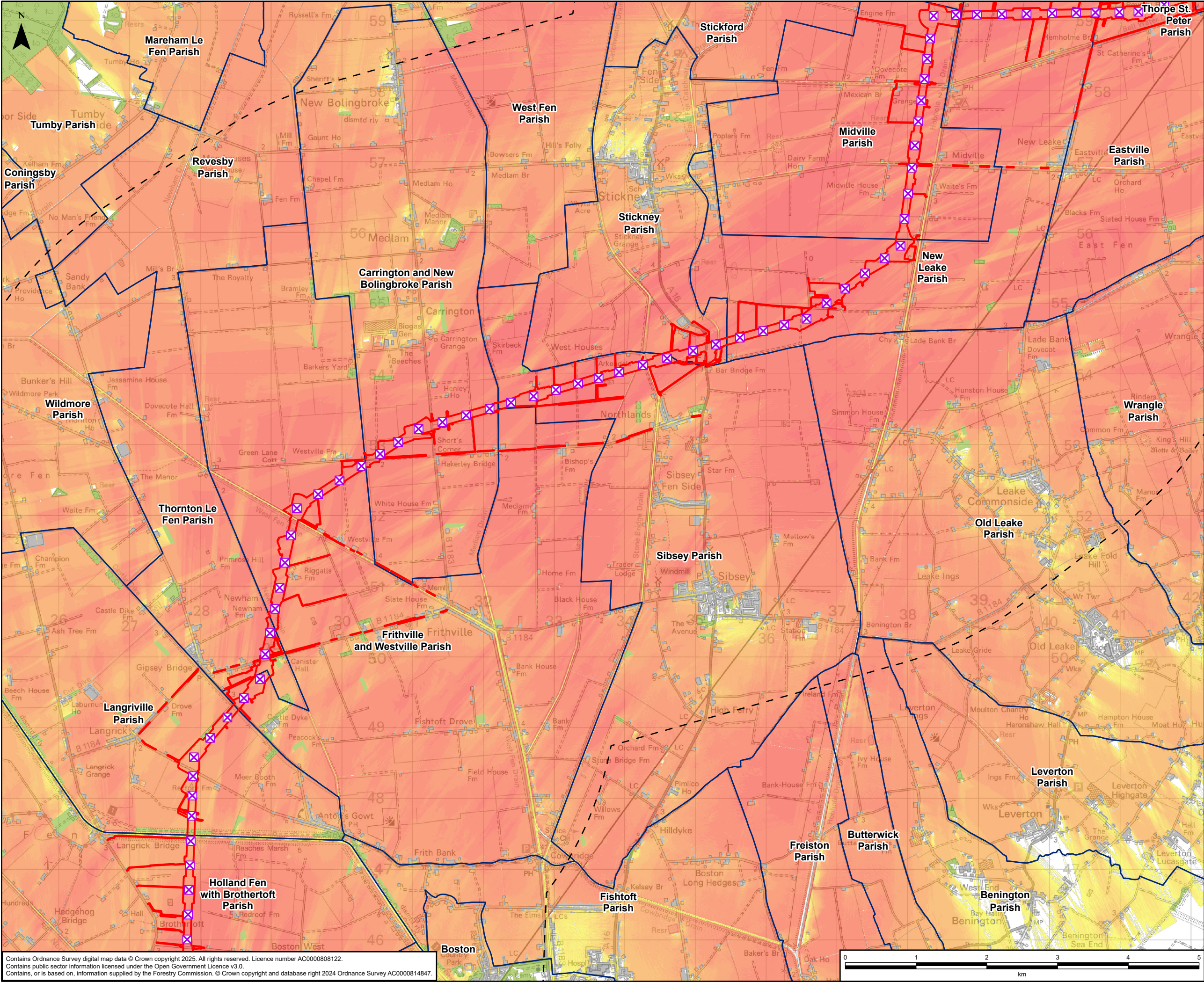
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ZONE OF THEORETICAL VISIBILITY (ZTV)

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**Legend**

- Draft Order Limits
- 5km Study Area
- Parish Boundary
- Indicative New Lattice Pylon
- Existing Building - 8m Height
- National Forest Inventory Woodland - 15m Height

**Zone of Theoretical Visibility - Number of Towers Visible**

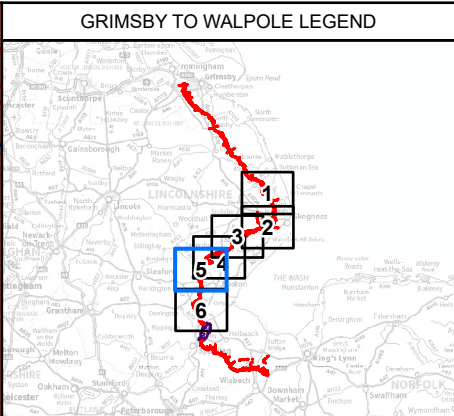
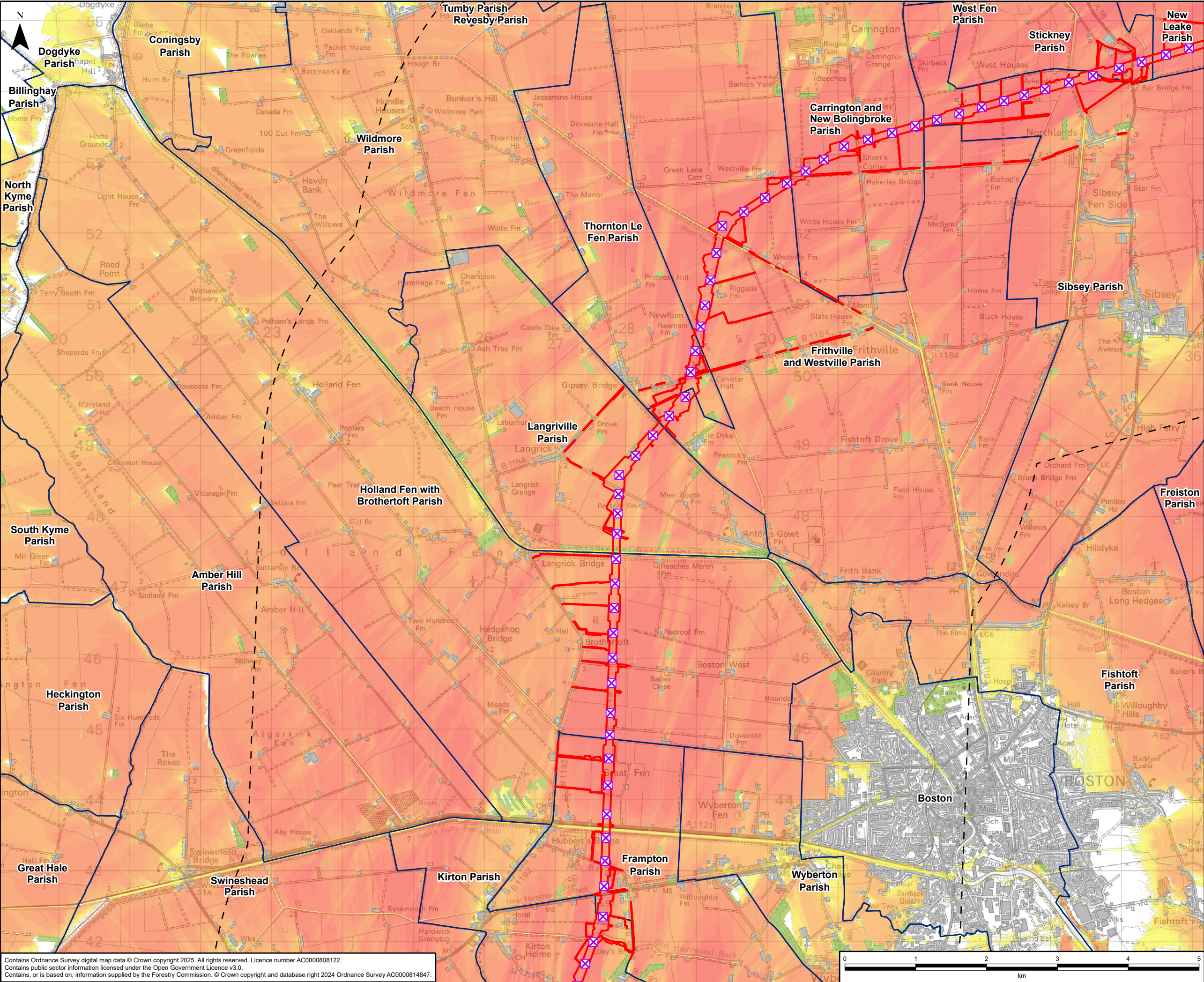
1 - 2
3 - 4
5 - 6
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9 - 10
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66 - 77

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**Legend**

- Draft Order Limits
- 5km Study Area
- Parish Boundary
- Indicative New Lattice Pylon
- Existing Building - 8m Height
- National Forest Inventory Woodland - 15m Height

**Zone of Theoretical Visibility - Number of Towers Visible**

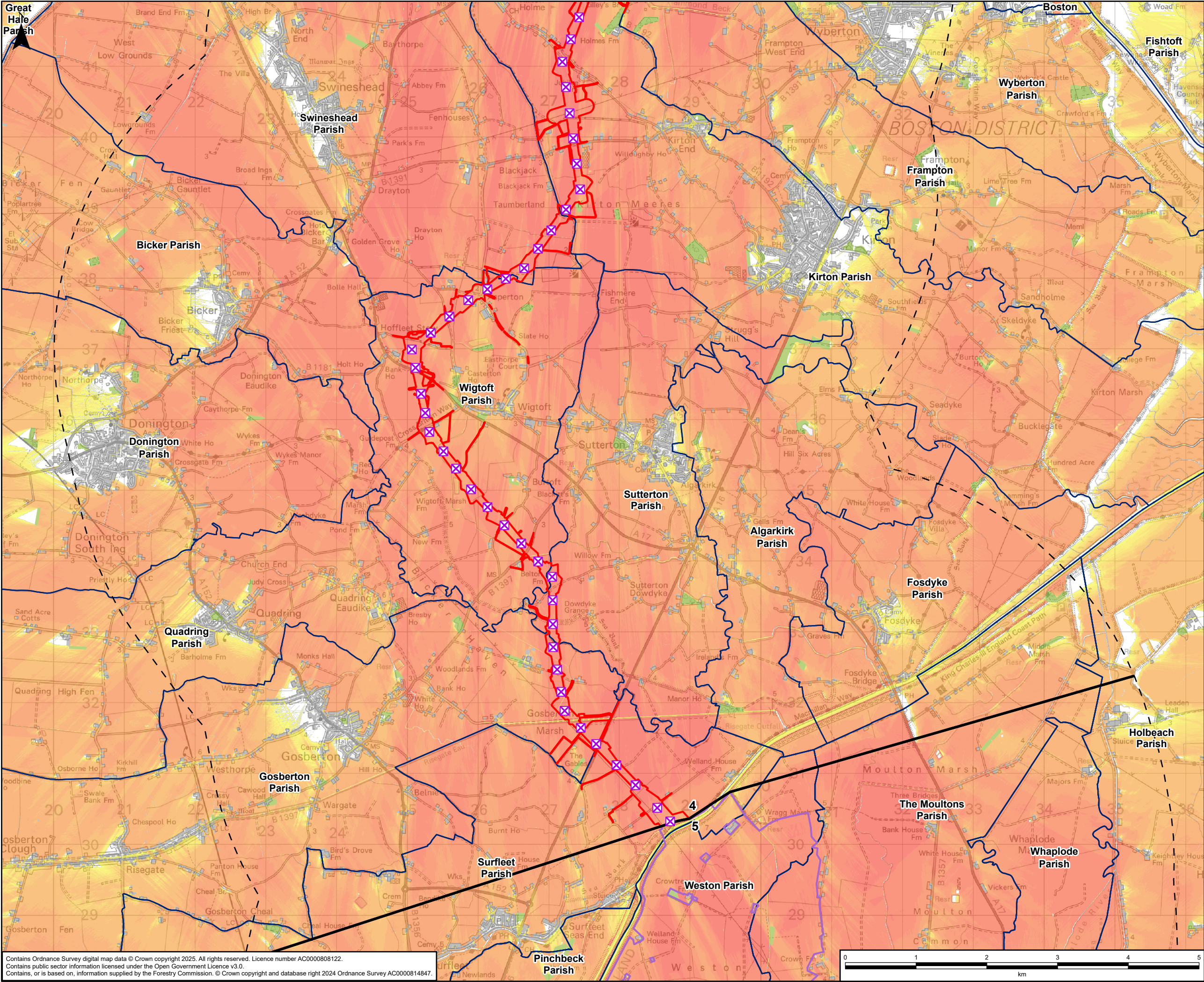
1 - 2
3 - 4
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GRIMSBY TO WALPOLE LEGEND

**Legend**

- Draft Order Limits
- Refined Weston Marsh Substation Siting Zone
- Route Section Break
- 5km Study Area
- Parish Boundary
- X Indicative New Lattice Pylon
- Existing Building - 8m Height
- National Forest Inventory Woodland - 15m Height

**Zone of Theoretical Visibility - Number of Towers Visible**

	1 - 2
	3 - 4
	5 - 6
	7 - 8
	9 - 10
	11 - 19
	20 - 28
	29 - 37
	38 - 46
	47 - 55
	56 - 65
	66 - 77

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