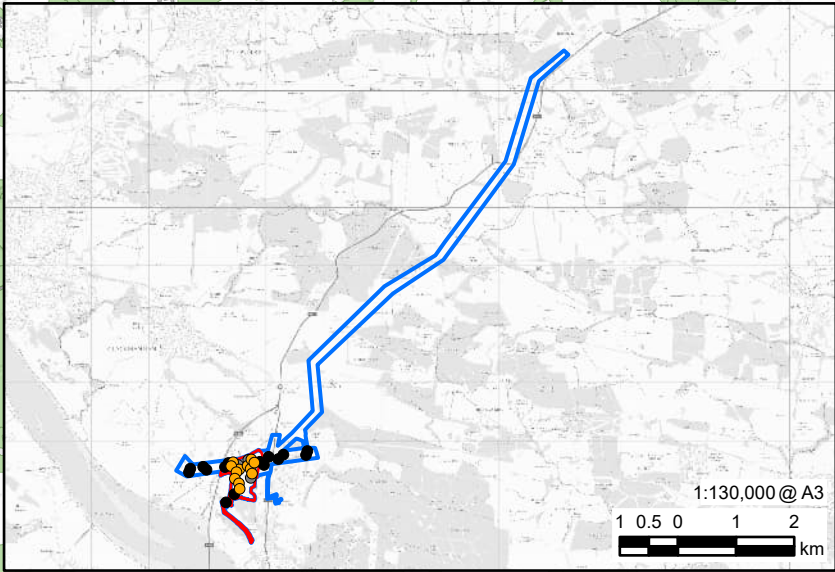
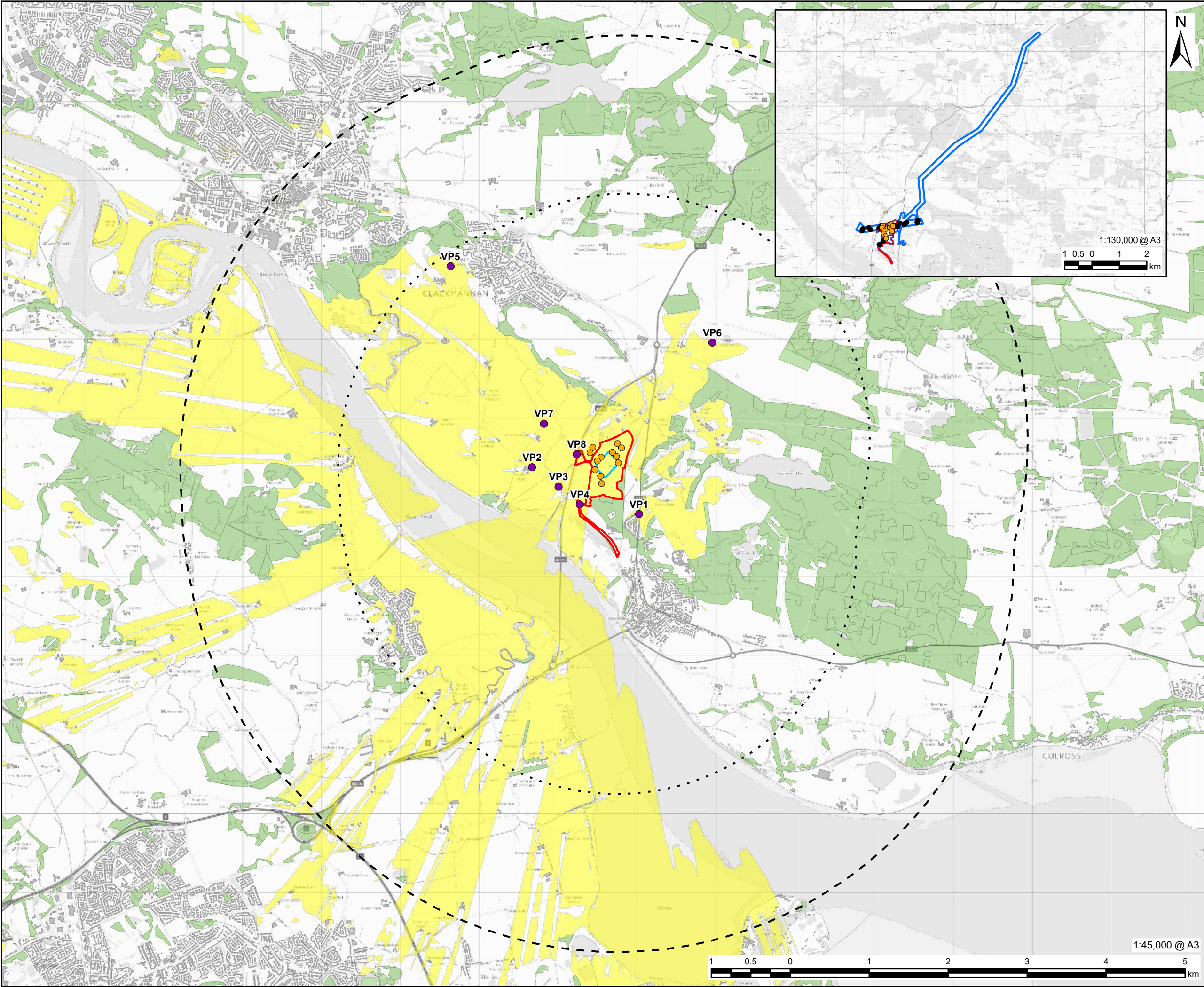




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Kincardine North

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SP Energy Networks

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- LEGEND**
- Substation Boundary
 - 3km Study Area
 - 5km Study Area
 - EIA Boundary
 - Substation Platform
 - Retained Tower (Baseline)
 - Removed Tower (Baseline)
 - Proposed Tower
 - Temporary Mast
 - Viewpoint Location
 - Building - 8m Height
 - National Forest Inventory - Woodland - 10m Height
 - Substation
 - Zone of Theoretical Visibility

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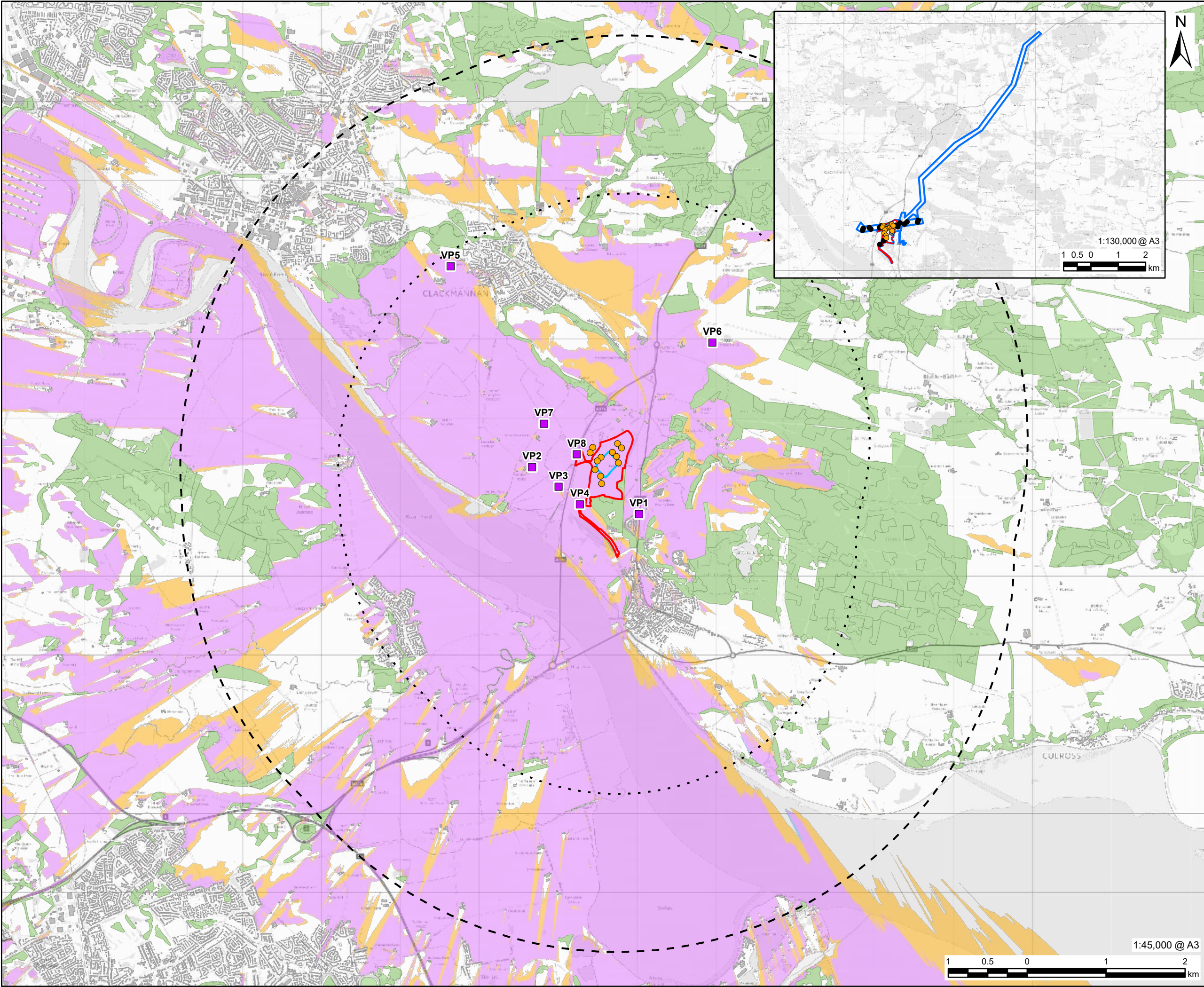
Zone of Theoretical Visibility (ZTV) has been generated using OS Terrain 5 digital terrain model (DTM) which does not take into account the screening effects of vegetation, buildings or other structures. Existing Buildings have been incorporated into the DTM from OS Open Map Local with an assumed height of 8m. Woodland from National Forest Inventory has been incorporated into the DTM with an assumed height of 10m. ZTV is based upon a series of points at 10m apart within the Substation Platform at 14.5m and within the Substation Boundary footprint at 18m with an observer eye height of 1.6m. All heights mentioned above are above ground level (AGL) unless otherwise specified.

ISSUE PURPOSE
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PROJECT NUMBER
60635450

FIGURE TITLE
KINN Zone of Theoretical Visibility (ZTV) and Representative Viewpoints

FIGURE NUMBER
Figure 7.1a



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LEGEND

Substation Boundary

3km Study Area

5km Study Area

EIA Boundary

Substation Platform

Retained Tower (Baseline)

Removed Tower (Baseline)

Proposed Tower

Temporary Mast

Viewpoint Location

Building - 8m Height

National Forest Inventory - Woodland - 10m Height

OHL Zone of Theoretical Visibility

Existing Baseline Visible

Proposed New Visible

Existing Baseline and Proposed New Visible

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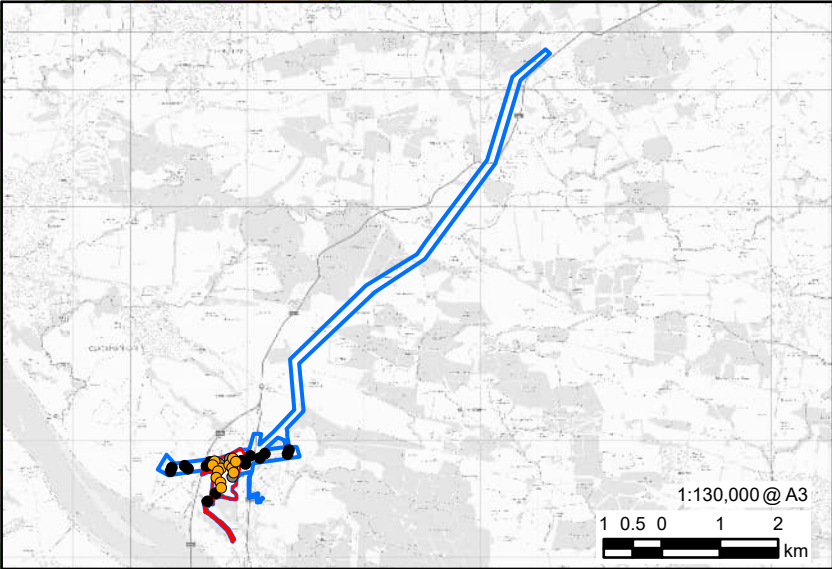
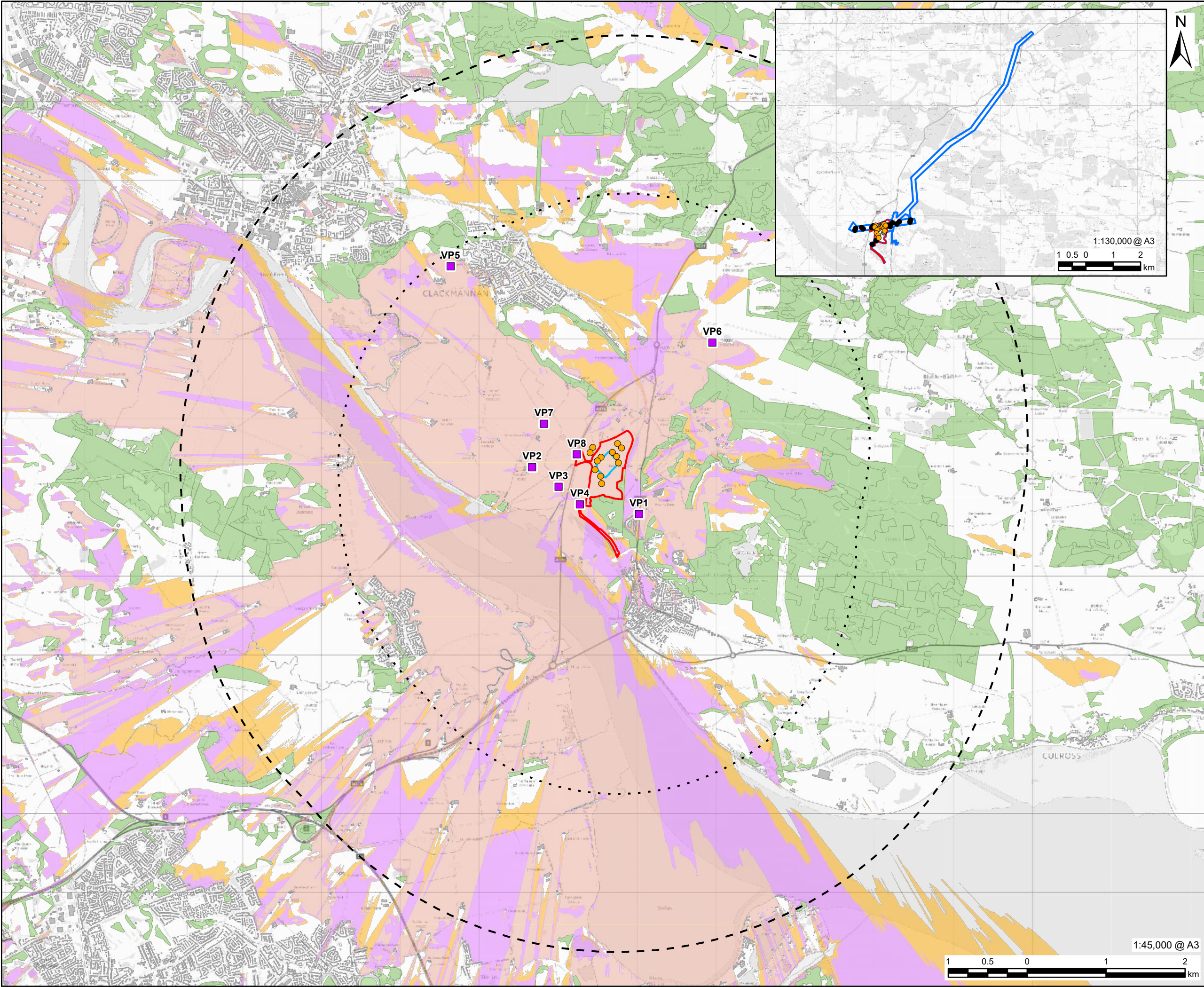
Zone of Theoretical Visibility (ZTV) has been generated using OS Terrain 5 digital terrain model (DTM) which does not take into account the screening effects of vegetation, buildings or other structures.
Existing Buildings have been incorporated into the DTM from OS Open Map Local with an assumed height of 8m.
Woodland from National Forest Inventory has been incorporated into the DTM with an assumed height of 10m.
ZTV is based upon a point at each tower location at designed heights, plus 3m vertical LoD, with an observer eye height of 1.6m.
All heights mentioned above are above ground level (AGL) unless otherwise specified.

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FIGURE TITLE
OHL tie ins Comparative ZTV and Representative Viewpoints

FIGURE NUMBER
Figure 7.1b



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LEGEND

- Substation Boundary
- 3km Study Area
- 5km Study Area
- EIA Boundary
- Substation Platform
- Retained Tower (Baseline)
- Removed Tower (Baseline)
- Proposed Tower
- Temporary Mast
- Viewpoint Location
- Building - 8m Height
- National Forest Inventory - Woodland - 10m Height
- Existing OHL Baseline Visible
- Proposed OHL Visible (within the OHL baseline ZTV)
- Substation Visible (within the OHL ZTV)

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Zone of Theoretical Visibility (ZTV) has been generated using OS Terrain 5 digital terrain model (DTM) which does not take into account the screening effects of vegetation, buildings or other structures.
Existing Buildings have been incorporated into the DTM from OS Open Map Local with an assumed height of 8m.
Woodland from National Forest Inventory has been incorporated into the DTM with an assumed height of 10m.
OHL ZTV is based upon a point at each tower location at designed heights, plus 3m vertical LoD, with an observer eye height of 1.6m. Substation ZTV is based upon a series of points at 10m apart within the Substation Platform at 14.5m and within the Substation Boundary footprint at 18m with an observer eye height of 1.6m.
All heights mentioned above are above ground level (AGL) unless otherwise specified.

ISSUE PURPOSE

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PROJECT NUMBER

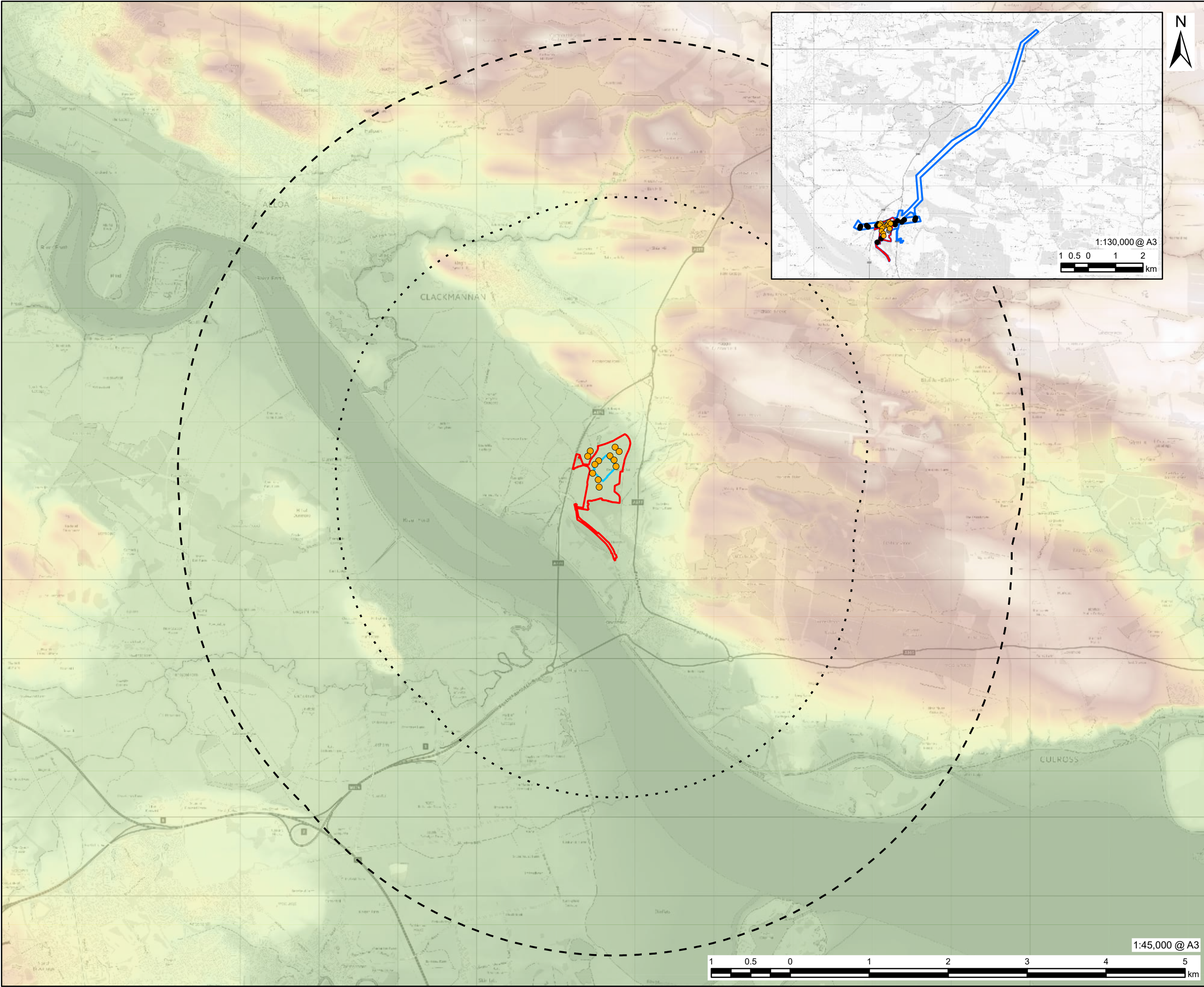
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FIGURE TITLE

KINN and OHL Combined (KANI) ZTV and Representative Viewpoints

FIGURE NUMBER

Figure 7.1c



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LEGEND

- Substation Boundary
- 3km Study Area
- 5km Study Area
- EIA Boundary
- Substation Platform
- Retained Tower (Baseline)
- Removed Tower (Baseline)
- Proposed Tower
- Temporary Mast
- Topography (OS Terrain 5) - m
- 114.93
- 2.33

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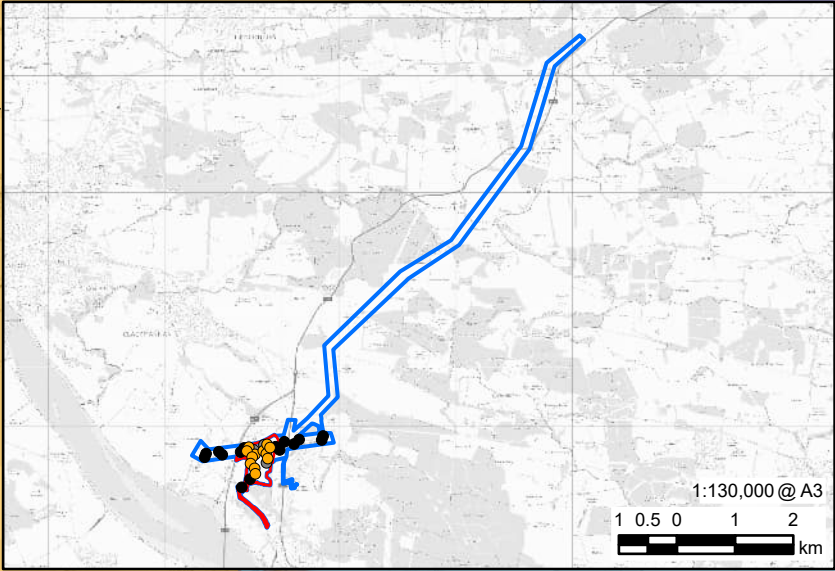
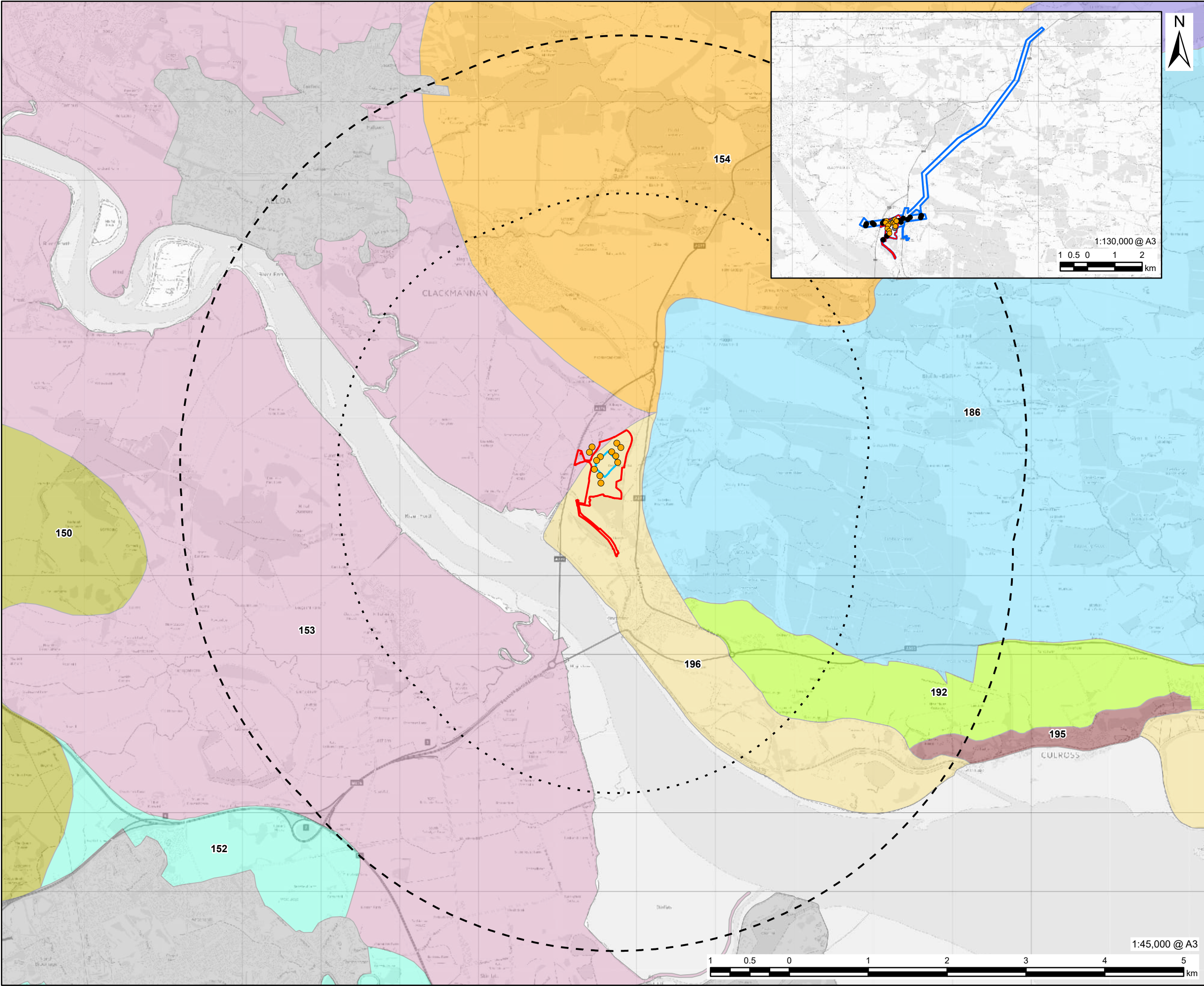
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FIGURE TITLE

Topography

FIGURE NUMBER

Figure 7.2



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- LEGEND**
- Substation Boundary
 - 3km Study Area
 - 5km Study Area
 - EIA Boundary
 - Substation Platform
 - Retained Tower (Baseline)
 - Removed Tower (Baseline)
 - Proposed Tower
 - Temporary Mast

- Landscape Character Type**
- Urban
 - 150: Lowland Hill Fringes - Central
 - 152: Lowland River Valleys - Central
 - 153: Carselands
 - 154: Lowland Valley Fringes
 - 186: Lowland Hills and Valleys
 - 192: Coastal Hills - Fife
 - 195: Coastal Braes
 - 196: Coastal Flats - Fife
 - 390: Lowland Basins

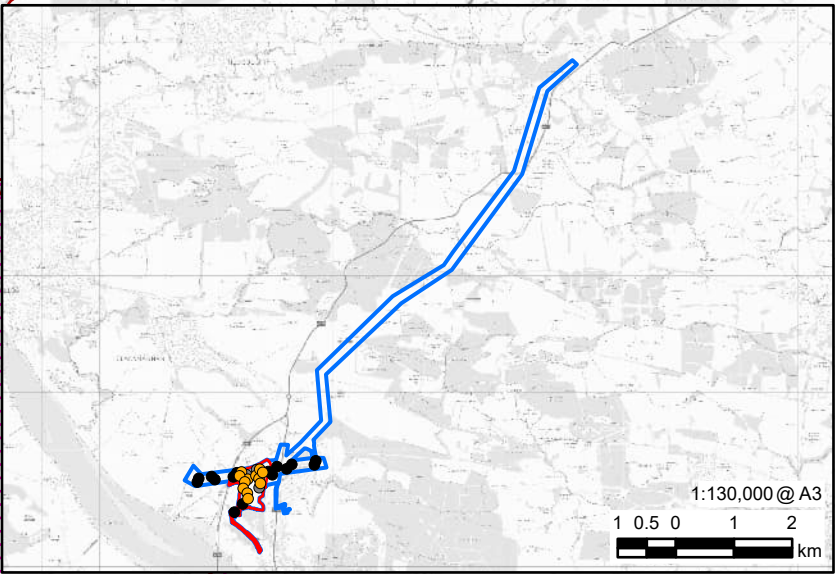
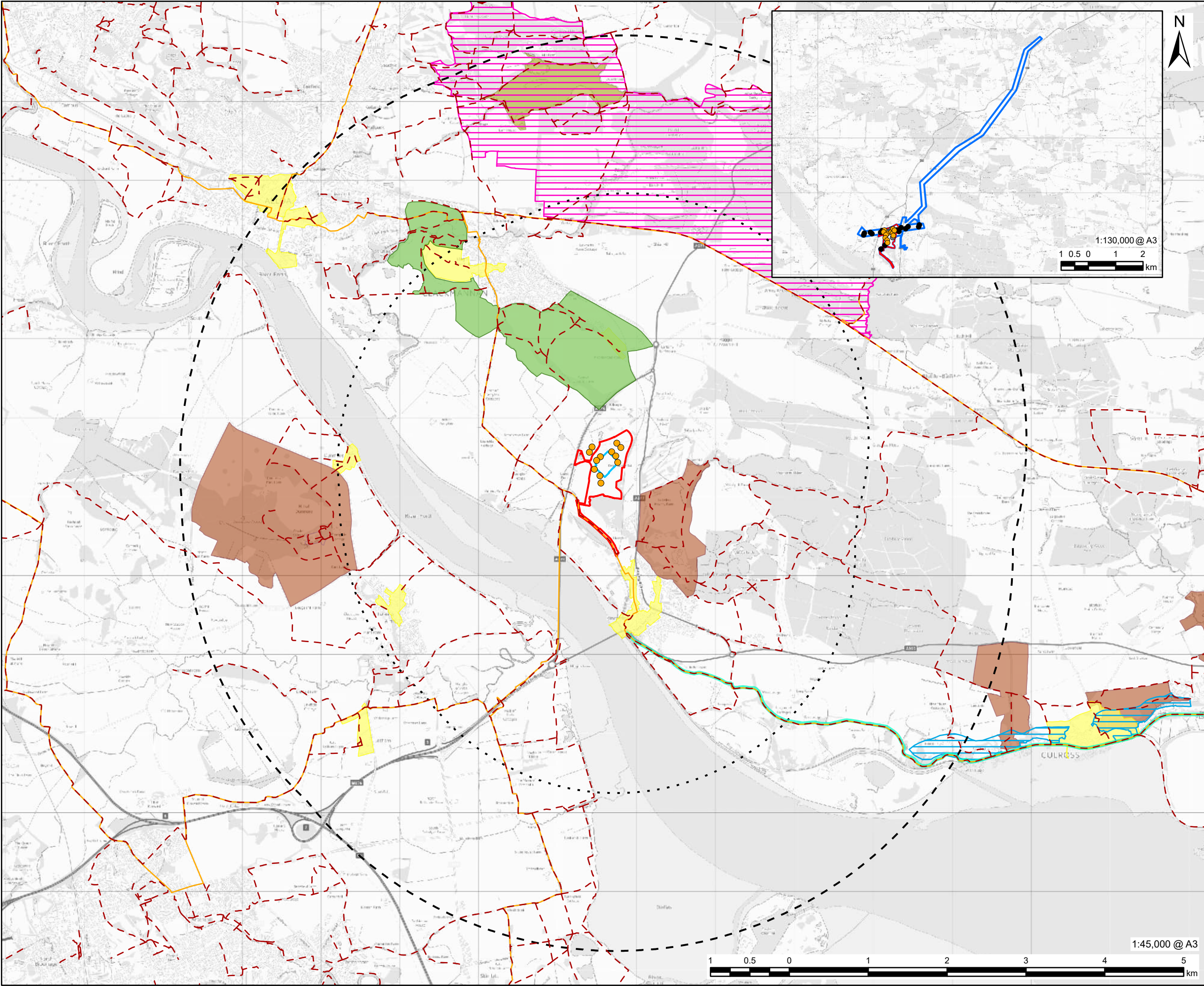
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FIGURE TITLE
Landscape Character

FIGURE NUMBER
Figure 7.3



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LEGEND

- Substation Boundary
- 3km Study Area
- 5km Study Area
- Substation Platform
- Retained Tower (Baseline)
- Removed Tower (Baseline)
- Proposed Tower
- Temporary Mast
- Core Path
- National Cycle Network
- Fife Coastal Path
- Local Landscape Area (Fife)
- Special Landscape Area (Clackmannanshire)
- Country Park
- Garden and Designed Landscape
- Conservation Area
- Greenbelt

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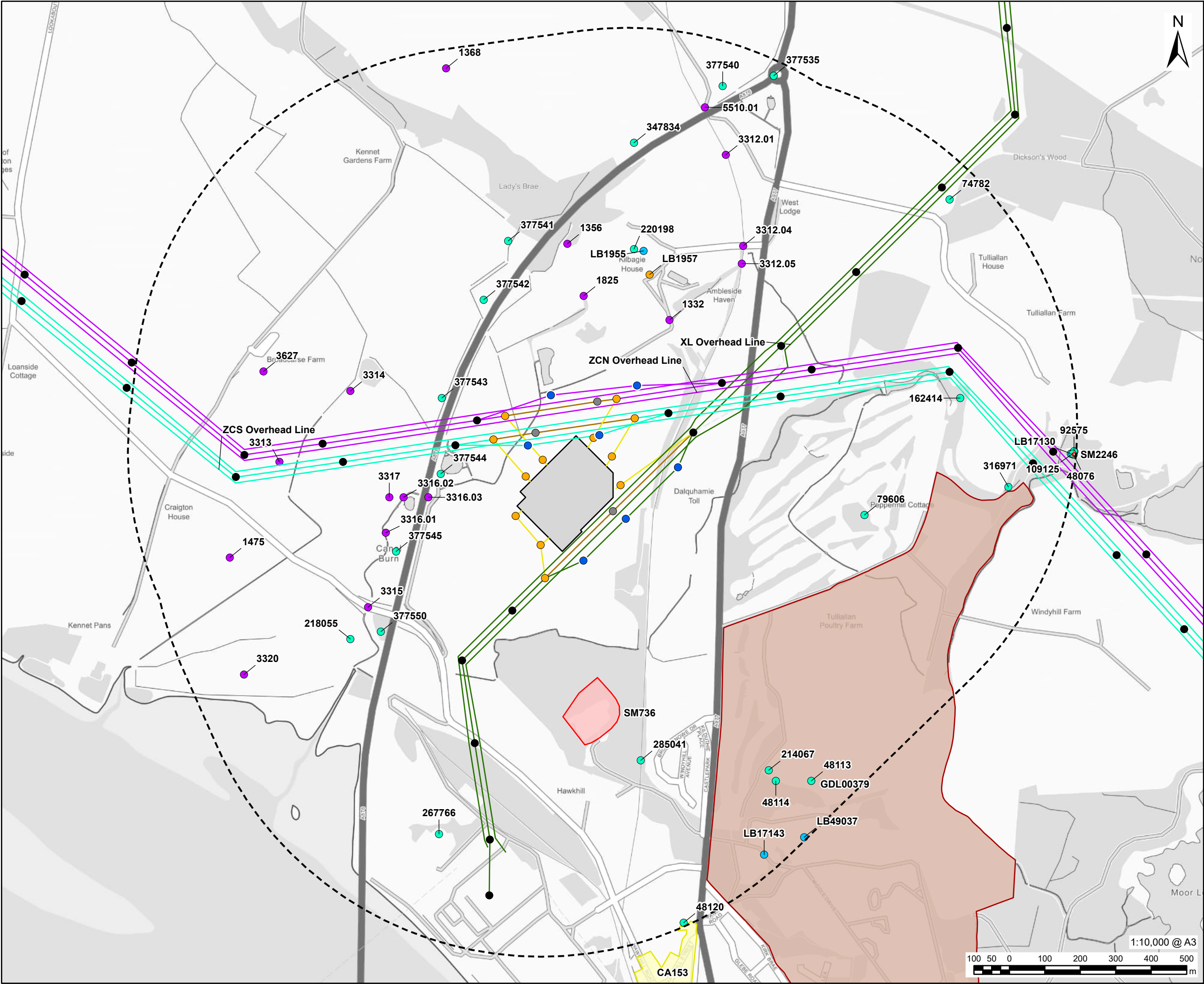
FIGURE TITLE

Landscape Designations

FIGURE NUMBER

Figure 7.4

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LEGEND

- 1km Study Area
- Retained Tower
- Proposed Tower
- Removed Tower
- Temporary Mast
- Existing OHL to be removed
- New OHL
- XL Overhead Line
- ZCN Overhead Line
- ZCS Overhead Line
- Proposed Substation Platform
- HER Monument Point (Stirling Council)
- Canmore Point
- Category A Listed Building
- Category B Listed Building
- Category C Listed Building
- Scheduled Monument
- Garden and Designed Landscape
- Conservation Area

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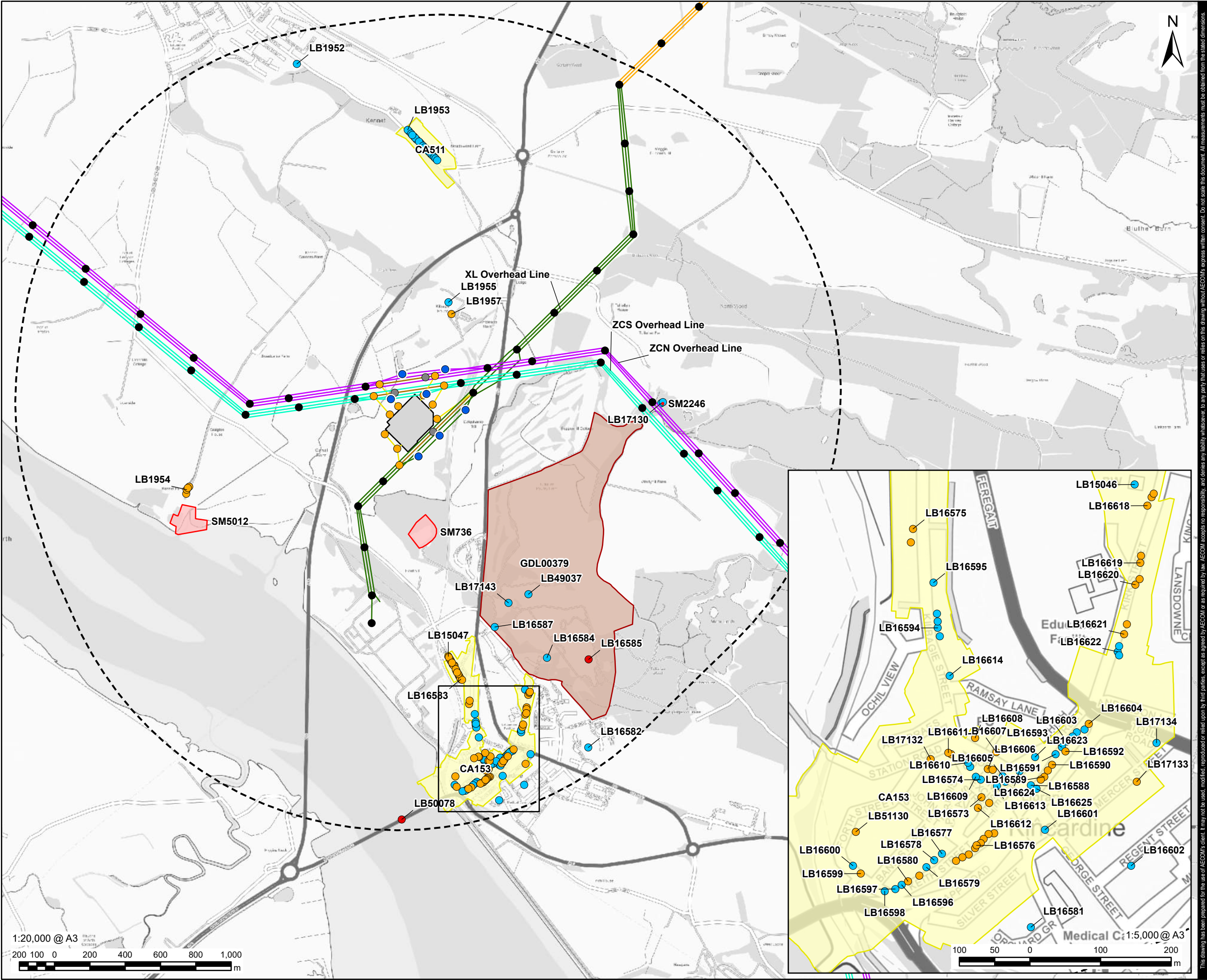
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FIGURE TITLE

Known Heritage Assets within the 1km
Study Area

FIGURE NUMBER

Figure 8.1



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LEGEND

- 2km Study Area
- Retained Tower
- Proposed Tower
- Removed Tower
- Temporary Mast
- Existing OHL to be potentially reconducted
- Existing OHL to be removed
- New OHL
- XL Overhead Line
- ZCN Overhead Line
- ZCS Overhead Line
- Proposed Substation Platform
- Category A Listed Building
- Category B Listed Building
- Category C Listed Building
- Scheduled Monument
- Garden and Designed Landscape
- Conservation Area

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FIGURE TITLE

Designated Heritage Assets within the
2km Study Area

FIGURE NUMBER

Figure 8.2

