

Viking CCS Pipeline

Environmental Statement Volume III – Figures: Part 3 of 3

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Date: October 2023

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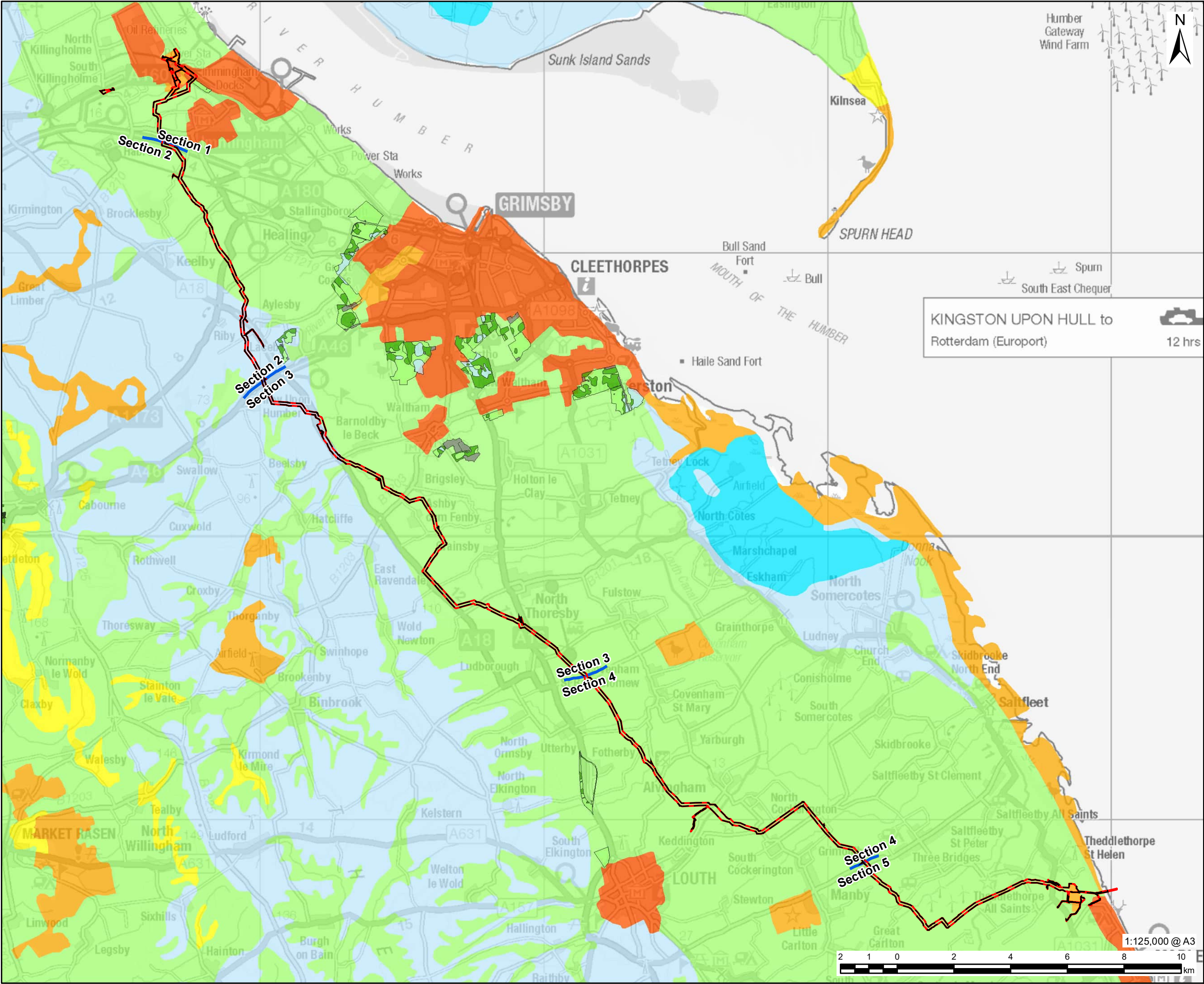
Prepared by	Verified by	Approved by
LC	MW	NP
GIS Principal Consultant	EIA Technical Director	EIA Technical Director

General Note: ES Volume III contains a copy of the main GIS generated figures (only) which have been prepared for the ES. Where appropriate, figures of a larger scale to those provided in the individual chapters of ES Volume II have been included.

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DCO Site Boundary

Study Area

Route Section Break

Agricultural Land Classification - Provisional

Grade 1

Grade 2

Grade 3

Grade 4

Non Agricultural

Urban

Agricultural Land Classification - Post 1988

Grade 2

Grade 3a

Grade 3b

Grade 4

Not Surveyed

Other

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FIGURE TITLE

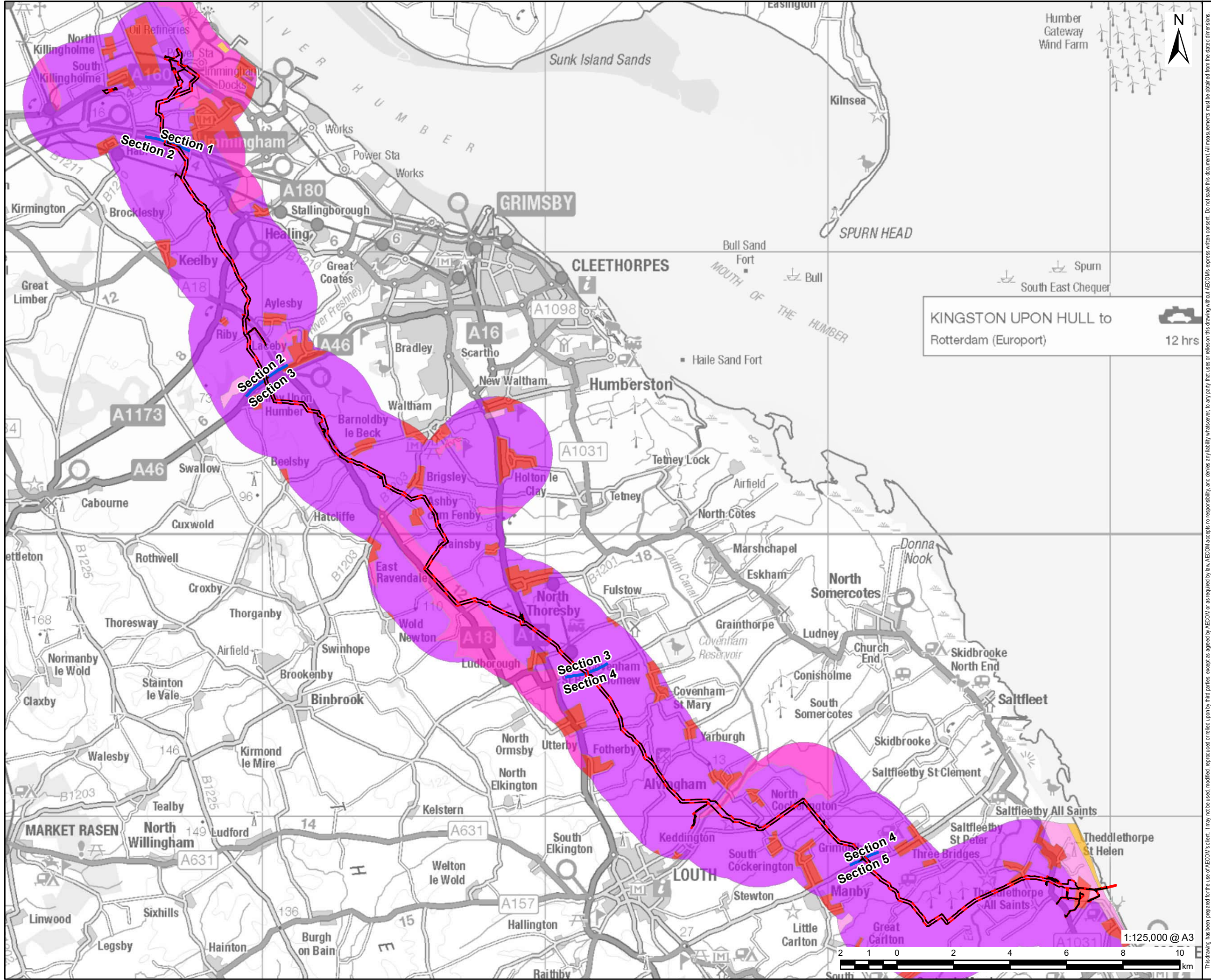
Figure 10-1
Agricultural Land Classification

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_10-1





PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Study Area
- Route Section Break

Predictive BMV Land Assessment

- High likelihood of BMV land (>60% area bmv)
- Moderate likelihood of BMV land (20 - 60% area bmv)
- Low likelihood of BMV land (<= 20% area bmv)
- Non-agricultural use
- Urban

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FIGURE TITLE

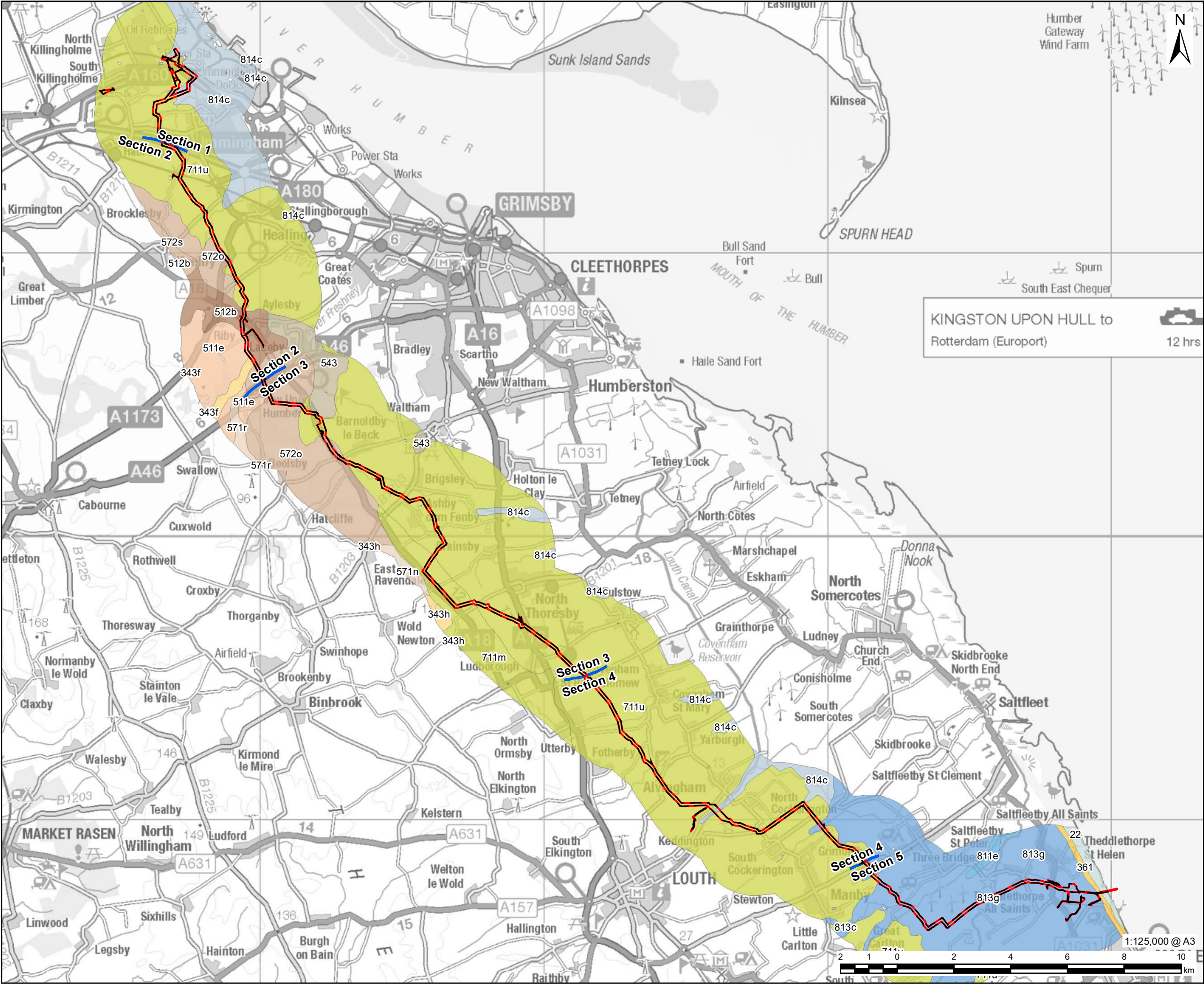
Figure 10-2
Likelihood of Best and Most Versatile Agricultural Land

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

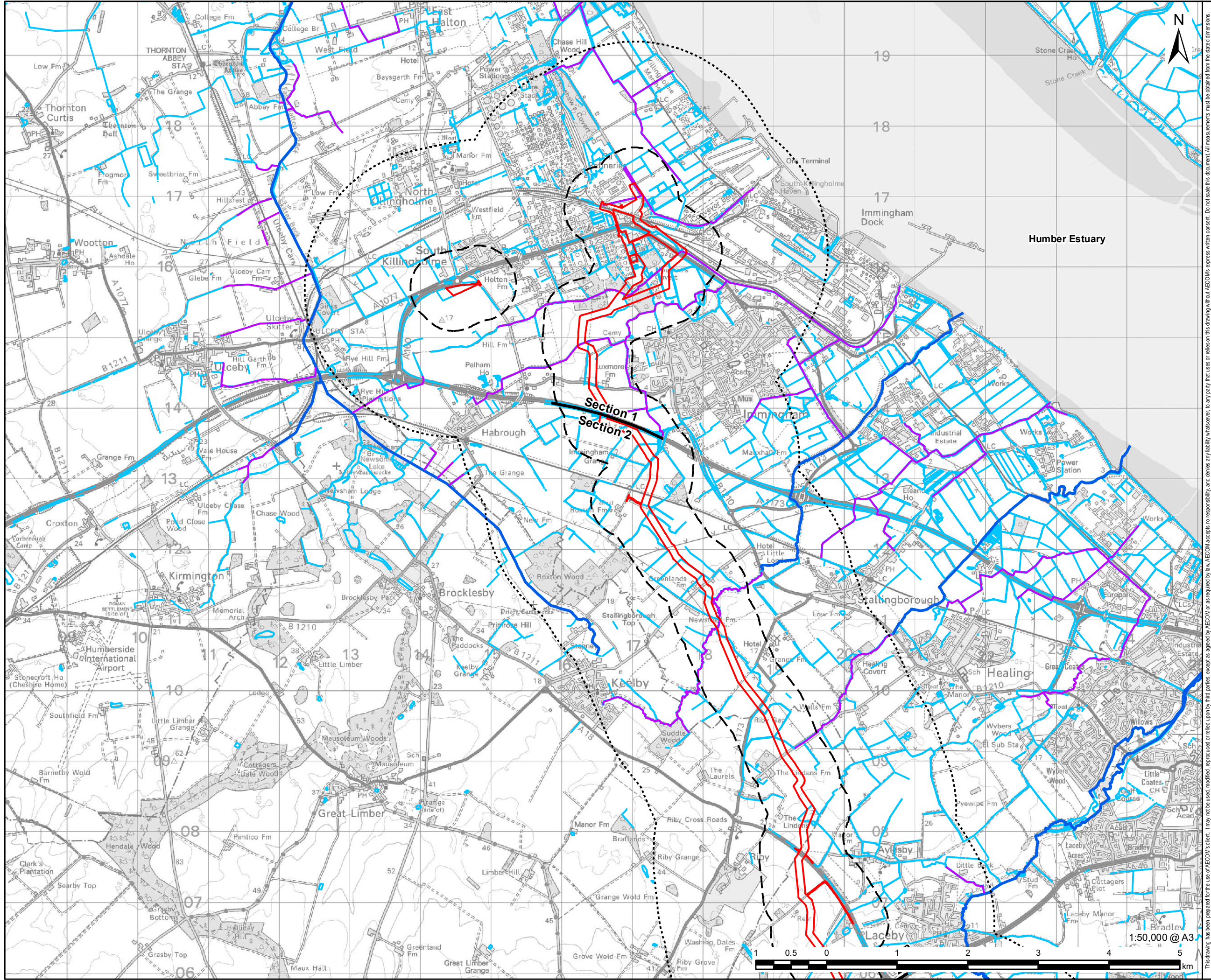
PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_10-2



- DCO Site Boundary
- Study Area
- Route Section Break
- Soil Associations
 - 22 - Saline 1
 - 343f - Newmarket 1
 - 343h - Andover 1
 - 361 - Sandwich
 - 511e - Swaffam Prior
 - 512b - Landbeach
 - 543 - Arrow
 - 571n - Tathwell
 - 571r - Hunstanton
 - 572o - Burlingham 2
 - 572s - Bishampton 1
 - 711m - Salop
 - 711u - Holderness
 - 811e - Tanvats
 - 813c - Fladbury 2
 - 813g - Wallasea 2
 - 814c - Newchurch 2

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VikingCCS

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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- IDB Maintained Watercourse
- Ordinary Watercourse
- EA Main River

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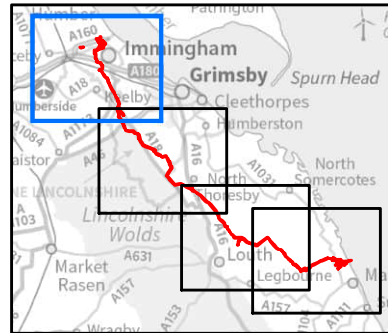


FIGURE TITLE

Figure 11-1 (1 of 4)

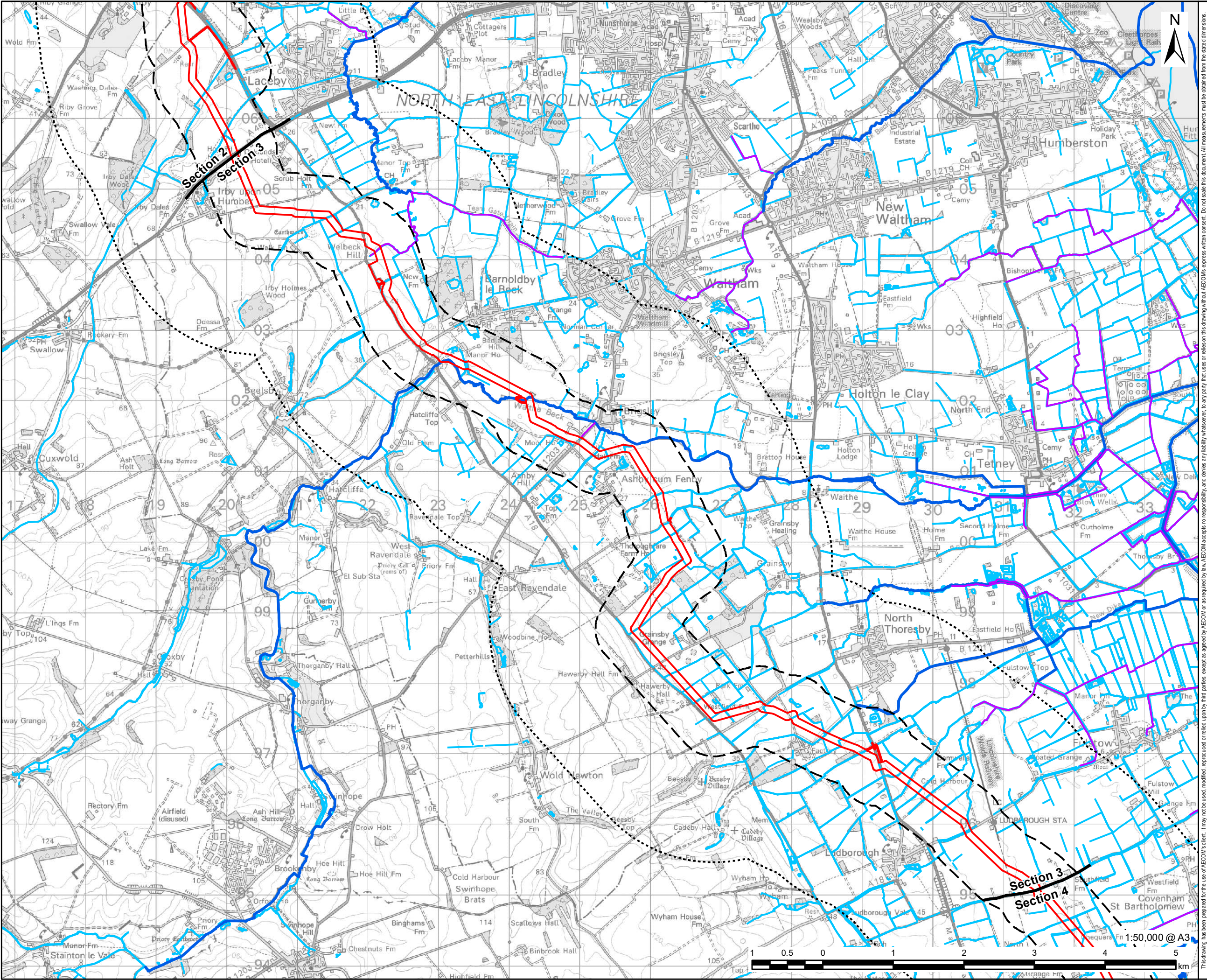
Surface Water Features and Study Area

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

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PROJECT

Viking CCS Pipeline

LEGEND

-  DCO Site Boundary
-  500m Study Area
-  2km Study Area
-  Route Section Break
-  IDB Maintained Watercourse
-  Ordinary Watercourse
-  EA Main River

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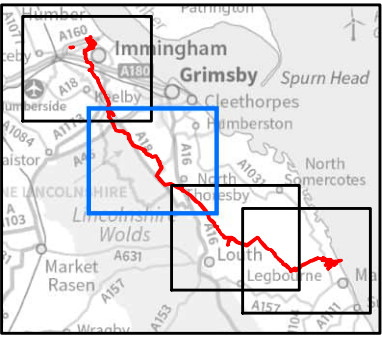


FIGURE TITLE

Figure 11-1 (2 of 4)

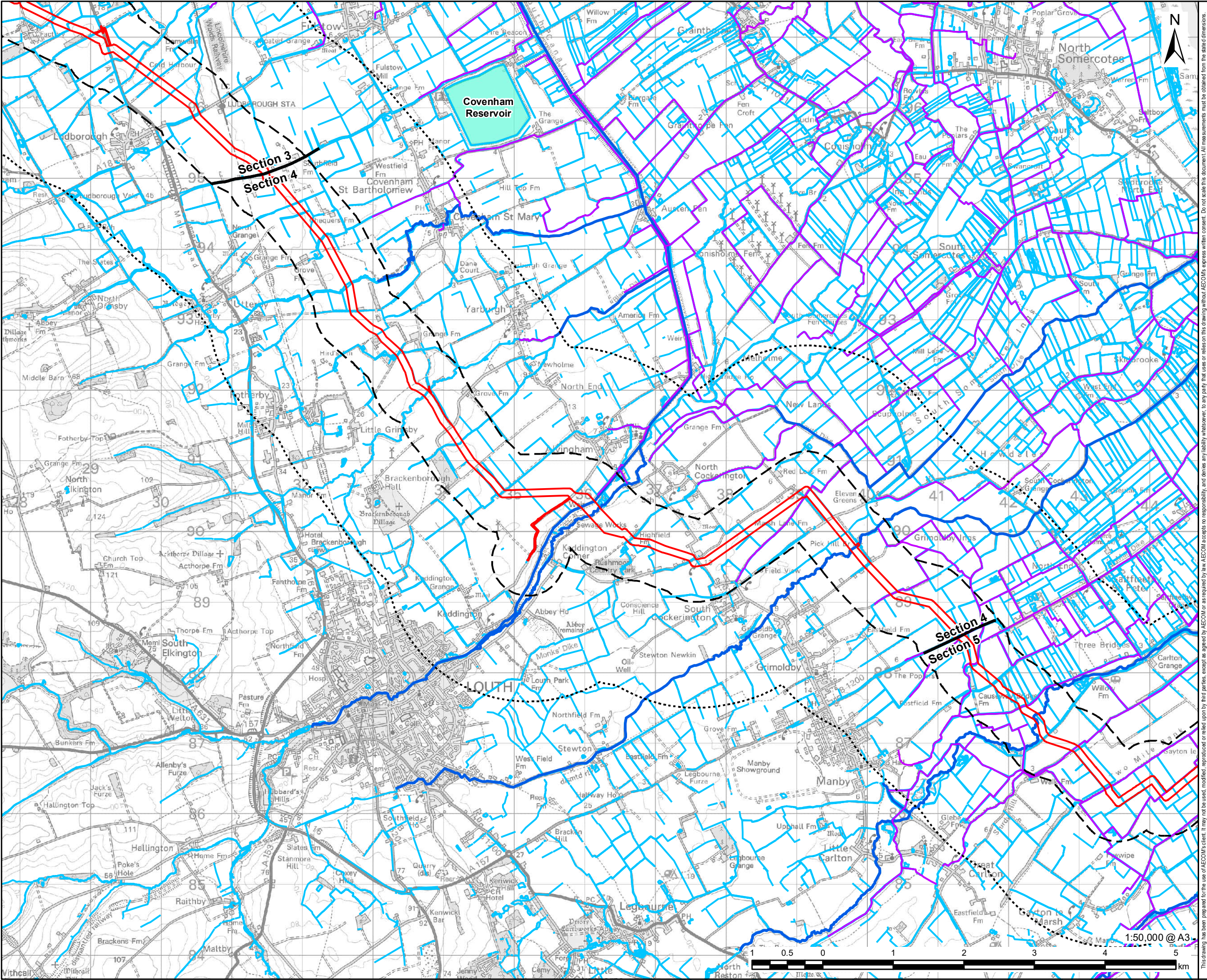
Surface Water Features and Study Area

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- IDB Maintained Watercourse
- Ordinary Watercourse
- EA Main River
- Covenham Reservoir

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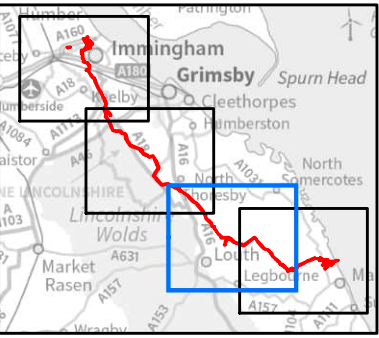


FIGURE TITLE

Figure 11-1 (3 of 4)

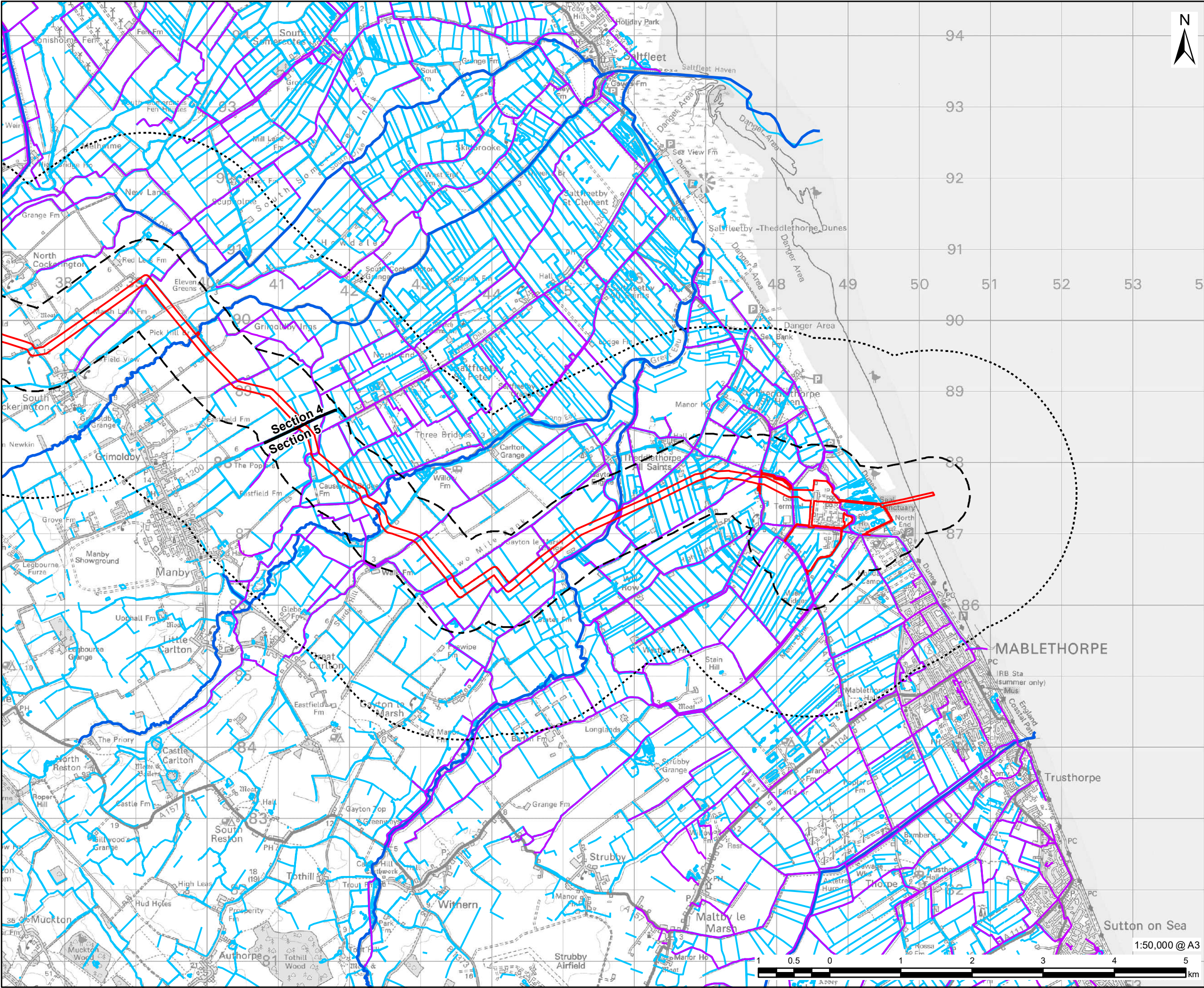
Surface Water Features and Study Area

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

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VikingCCS

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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- IDB Maintained Watercourse
- Ordinary Watercourse
- EA Main River

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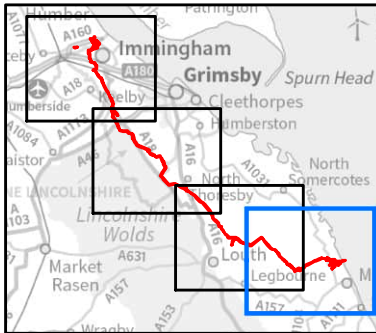


FIGURE TITLE

Figure 11-1 (4 of 4)
Surface Water Features and Study Area

ISSUE PURPOSE

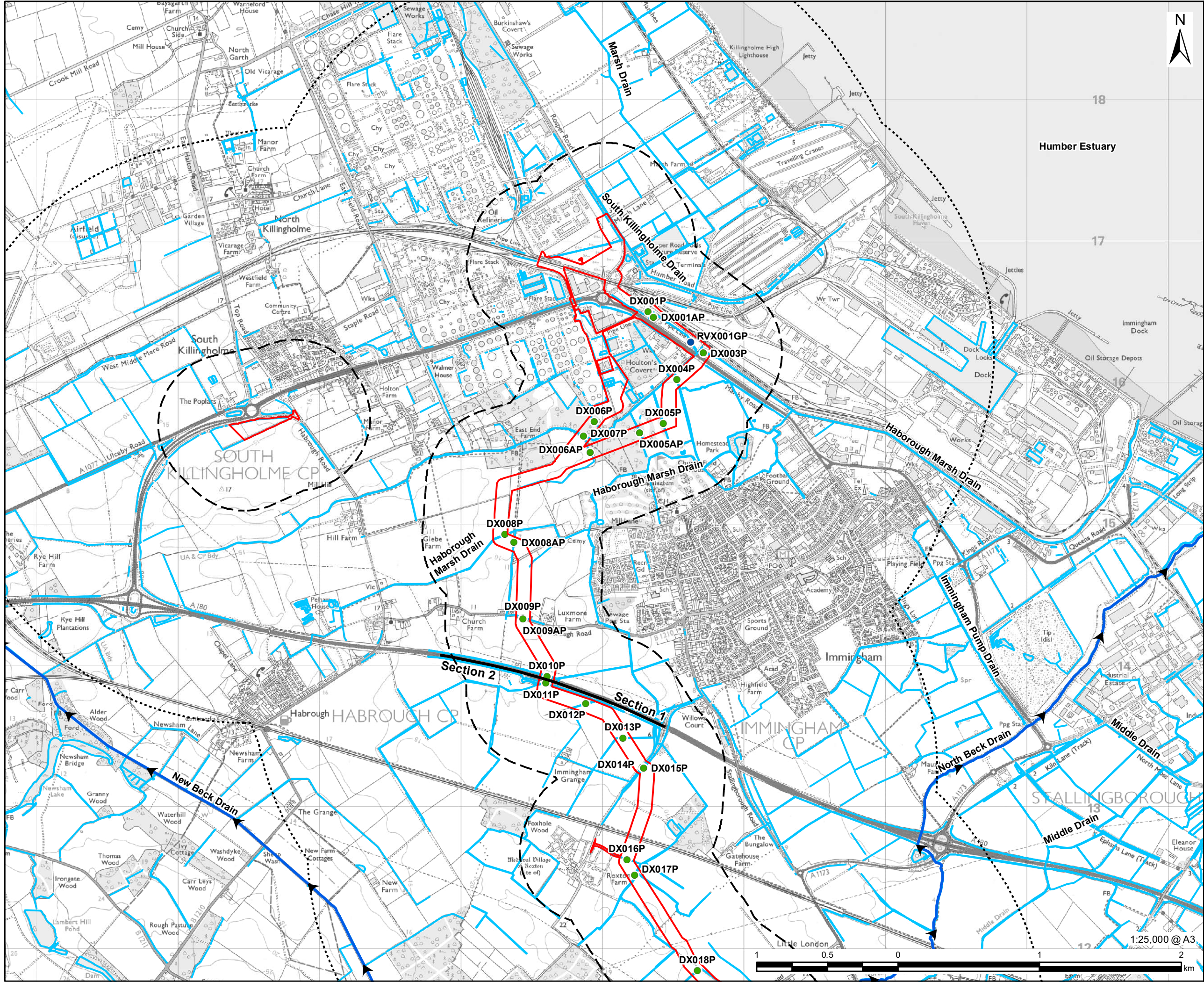
ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

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PROJECT

Viking CCS Pipeline

LEGEND

-  DCO Site Boundary
-  500m Study Area
-  2km Study Area
-  Route Section Break
-  Ordinary Watercourse
-  EA Main River

Crossing Location - Type

-  Drain
-  River

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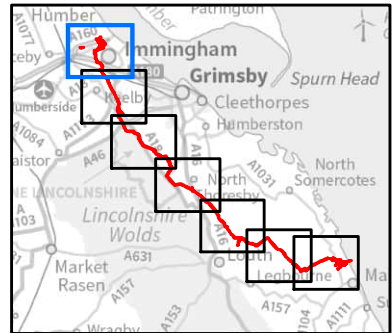


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Figure 11-2 (1 of 7)

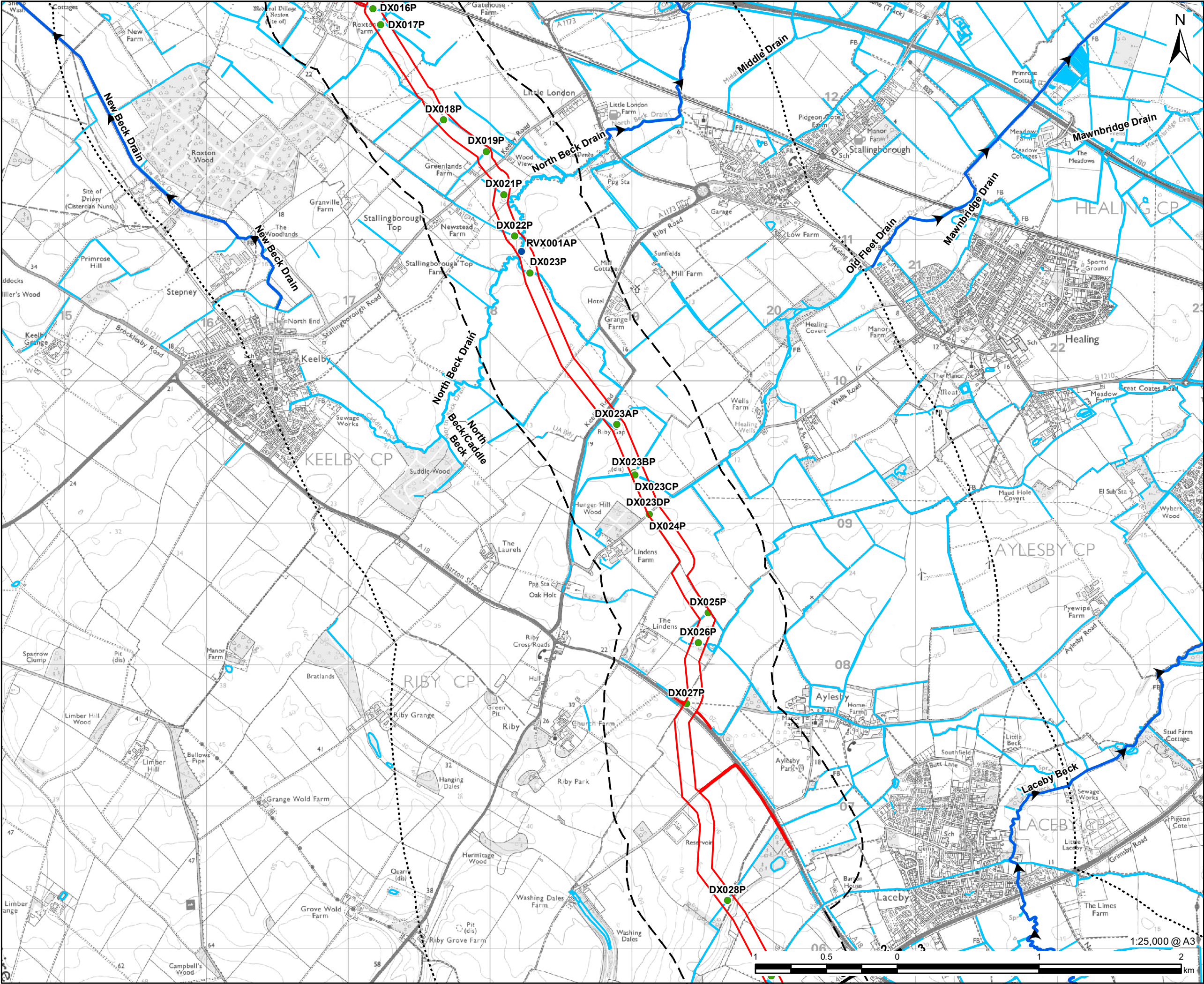
Watercourse Details showing Crossing Reference and Flow Direction

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-2



VikingCCS

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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Ordinary Watercourse
- EA Main River

Crossing Location - Type

- Drain
- River

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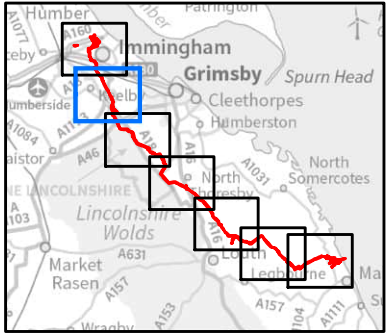


FIGURE TITLE

Figure 11-2 (2 of 7)

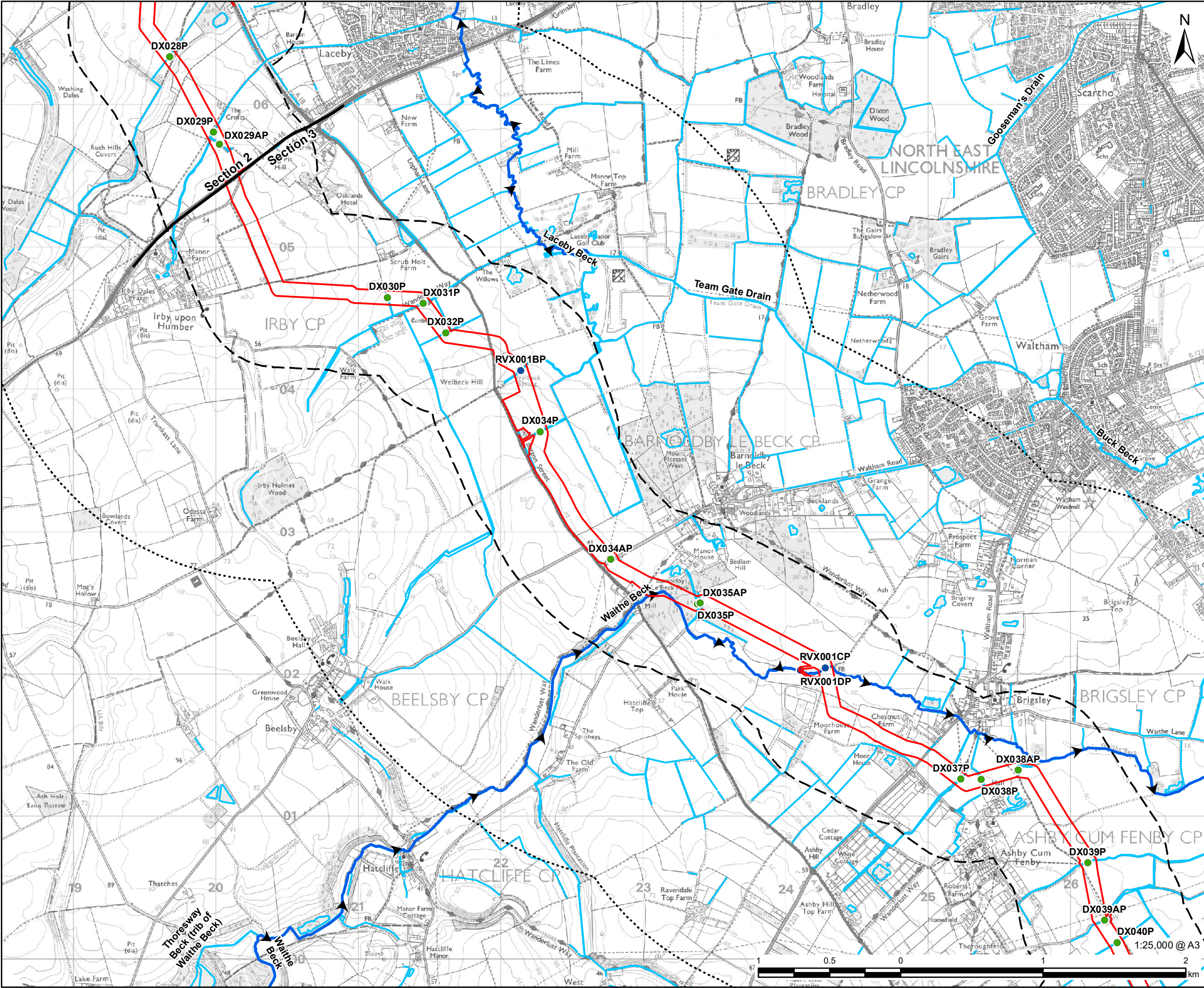
Watercourse Details showing Crossing Reference and Flow Direction

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-2



- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Ordinary Watercourse
- EA Main River
- Crossing Location - Type
 - Drain
 - River

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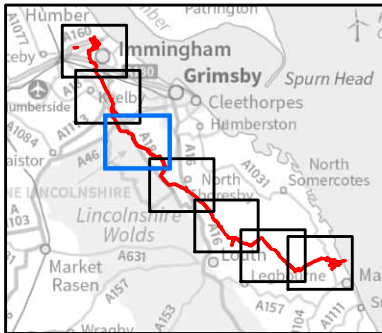
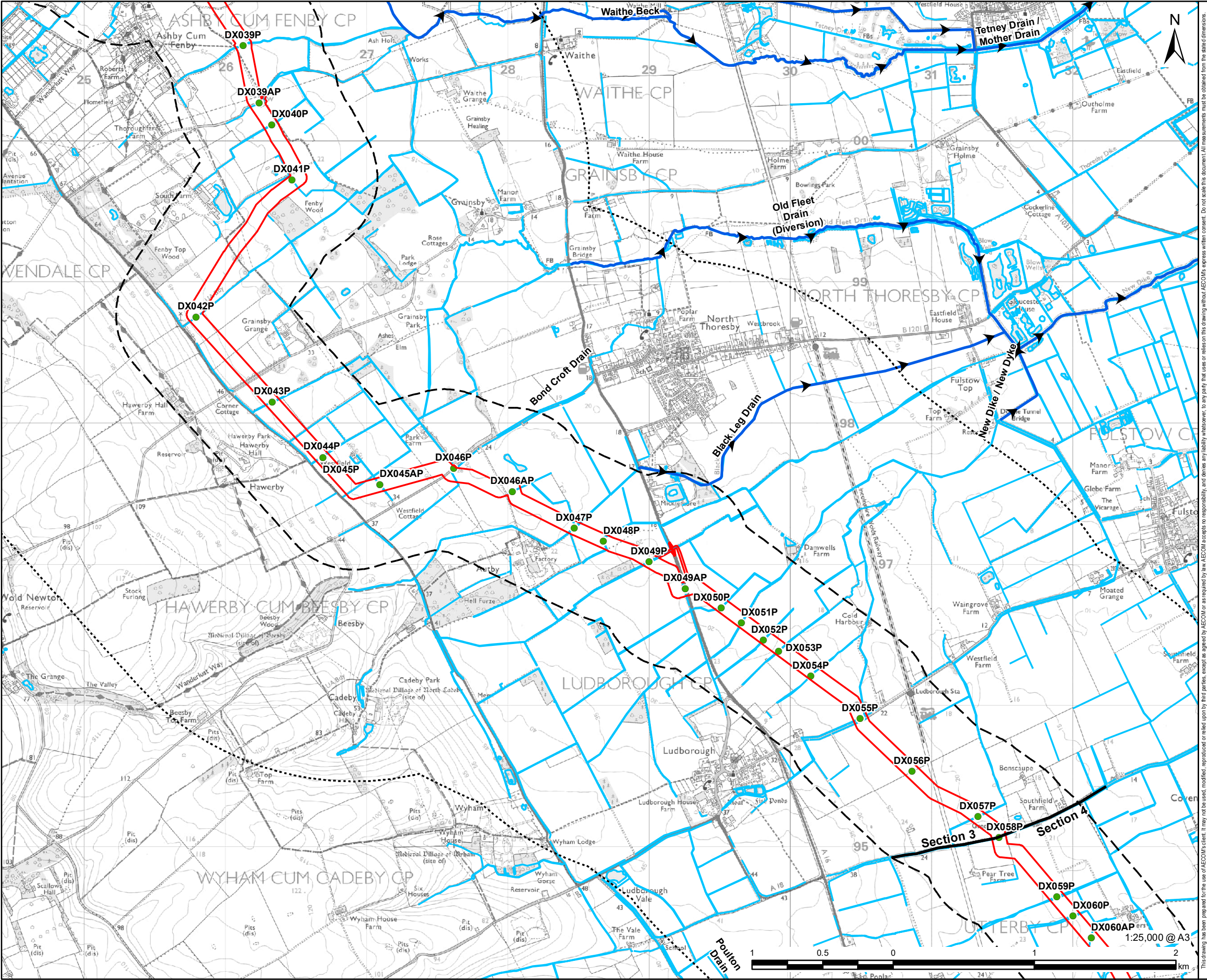


Figure 11-2 (3 of 7)
Watercourse Details showing
Crossing Reference and Flow
Direction





PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Ordinary Watercourse
- EA Main River
- Crossing Location - Type
- Drain

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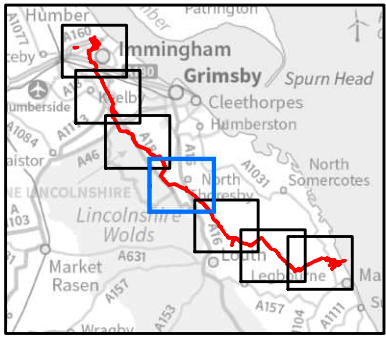


FIGURE TITLE

Figure 11-2 (4 of 7)

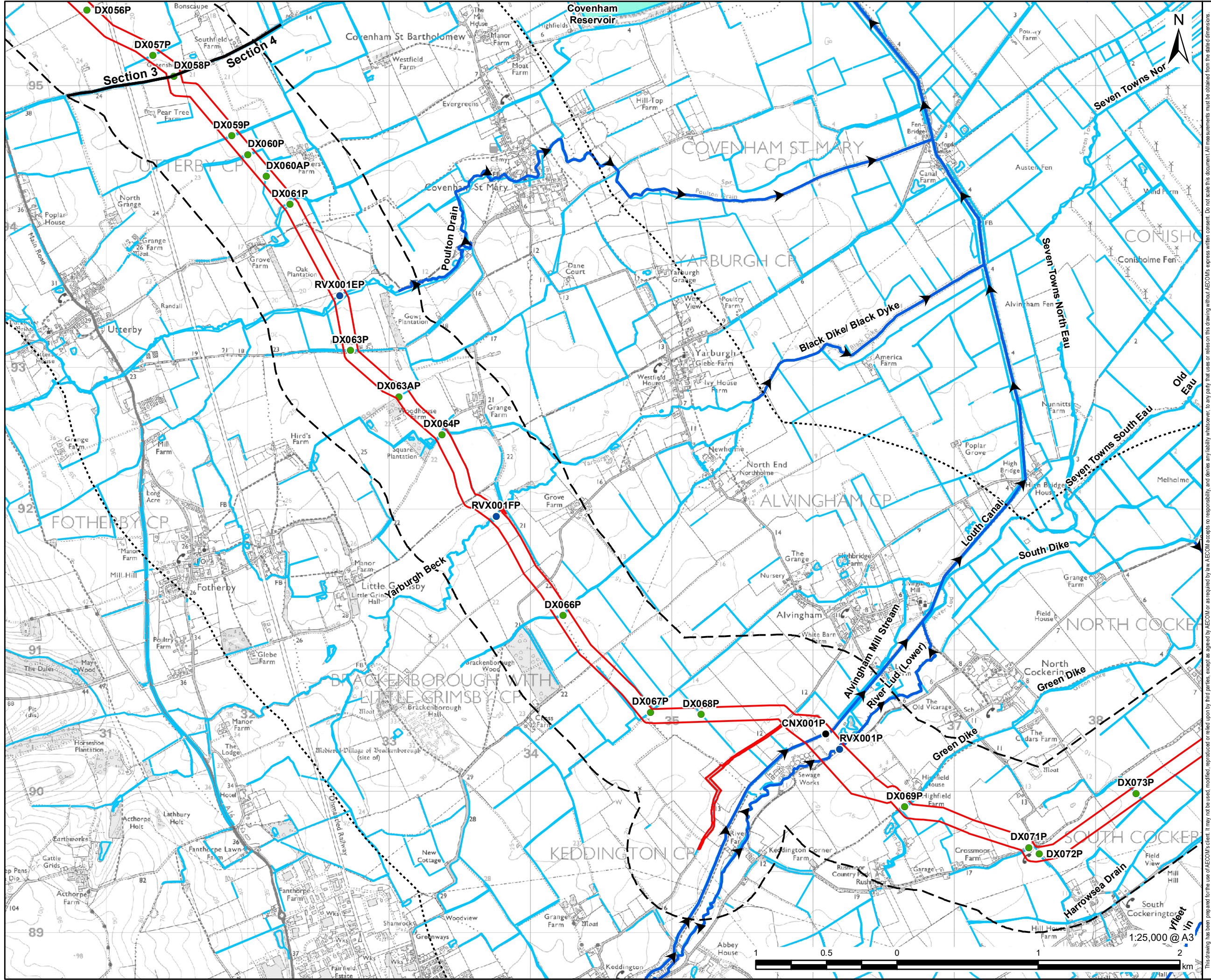
Watercourse Details showing Crossing Reference and Flow Direction

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-2





PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Ordinary Watercourse
- EA Main River
- Covenham Reservoir
- Crossing Location - Type
 - Canal
 - Drain
 - River

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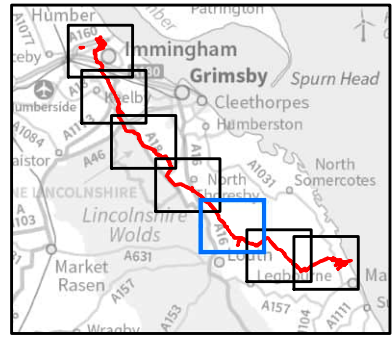


FIGURE TITLE

Figure 11-2 (5 of 7)

Watercourse Details showing Crossing Reference and Flow Direction

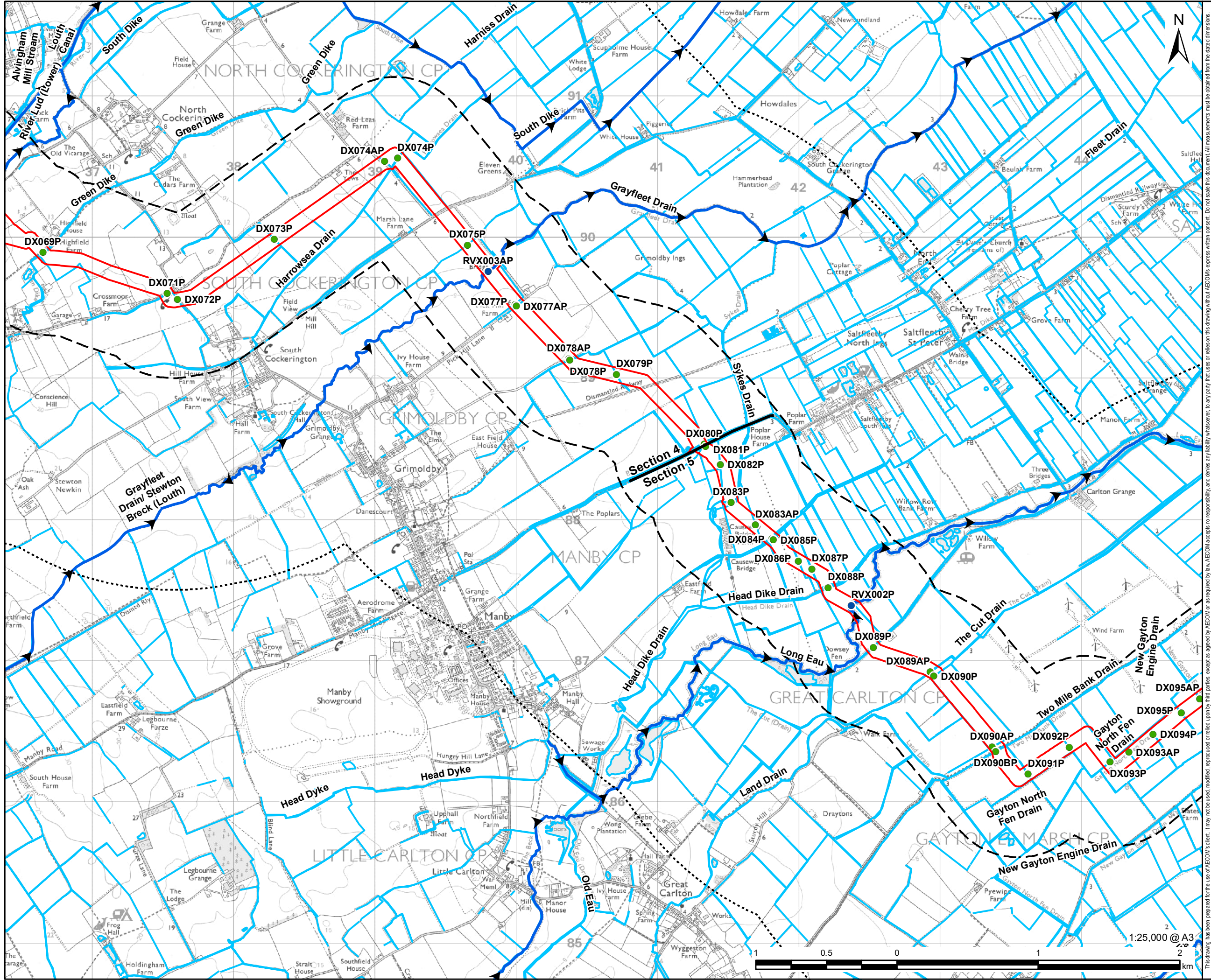
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PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

500m Study Area

2km Study Area

Route Section Break

Ordinary Watercourse

EA Main River

Crossing Location - Type

Drain

River

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FIGURE TITLE

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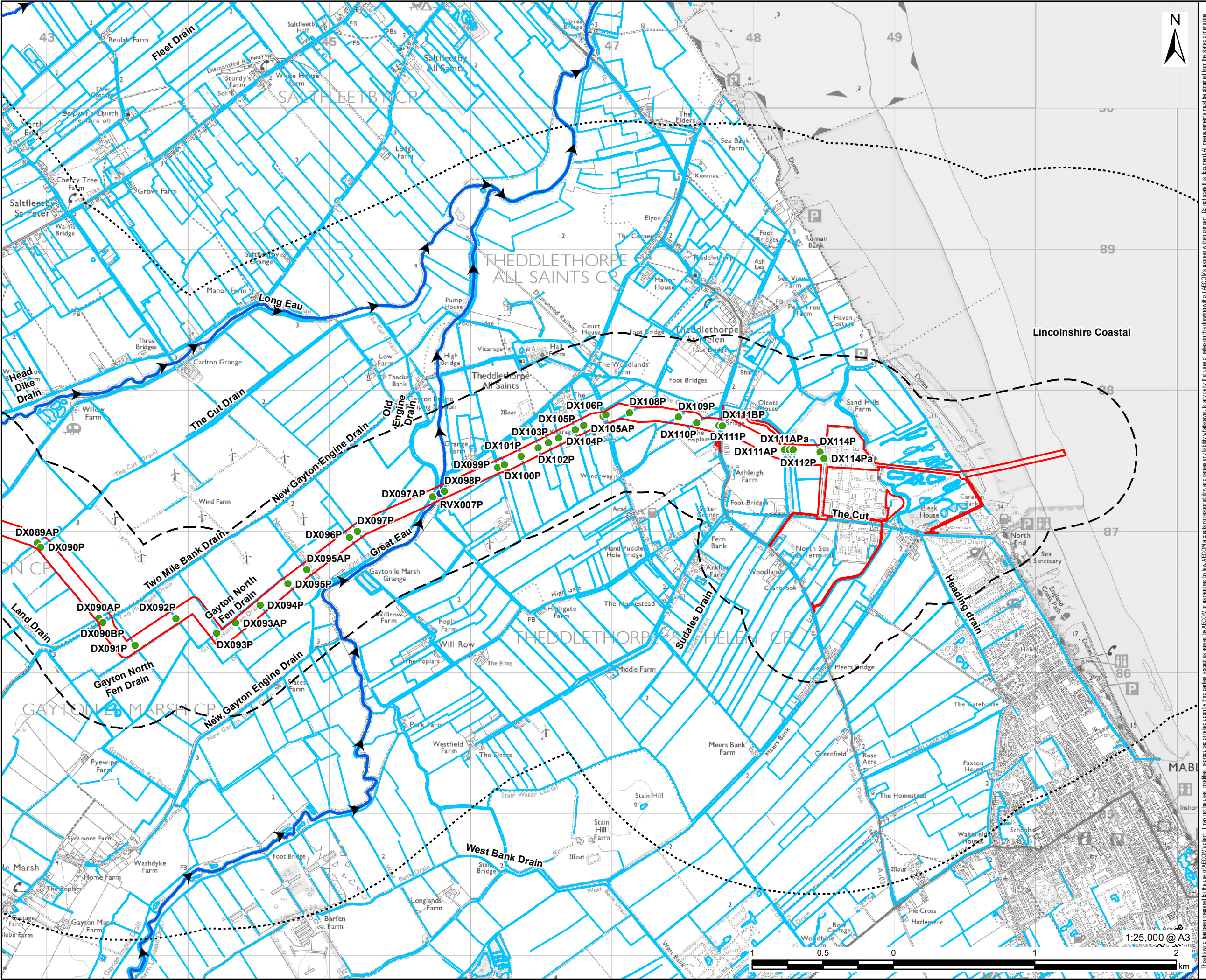
Watercourse Details showing Crossing Reference and Flow Direction

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

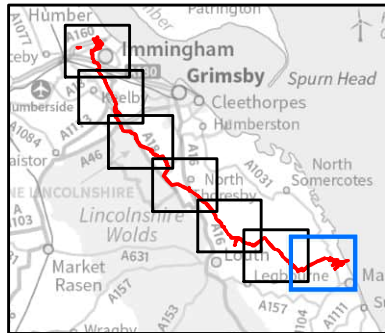
PROJECT NUMBER / REFERENCE

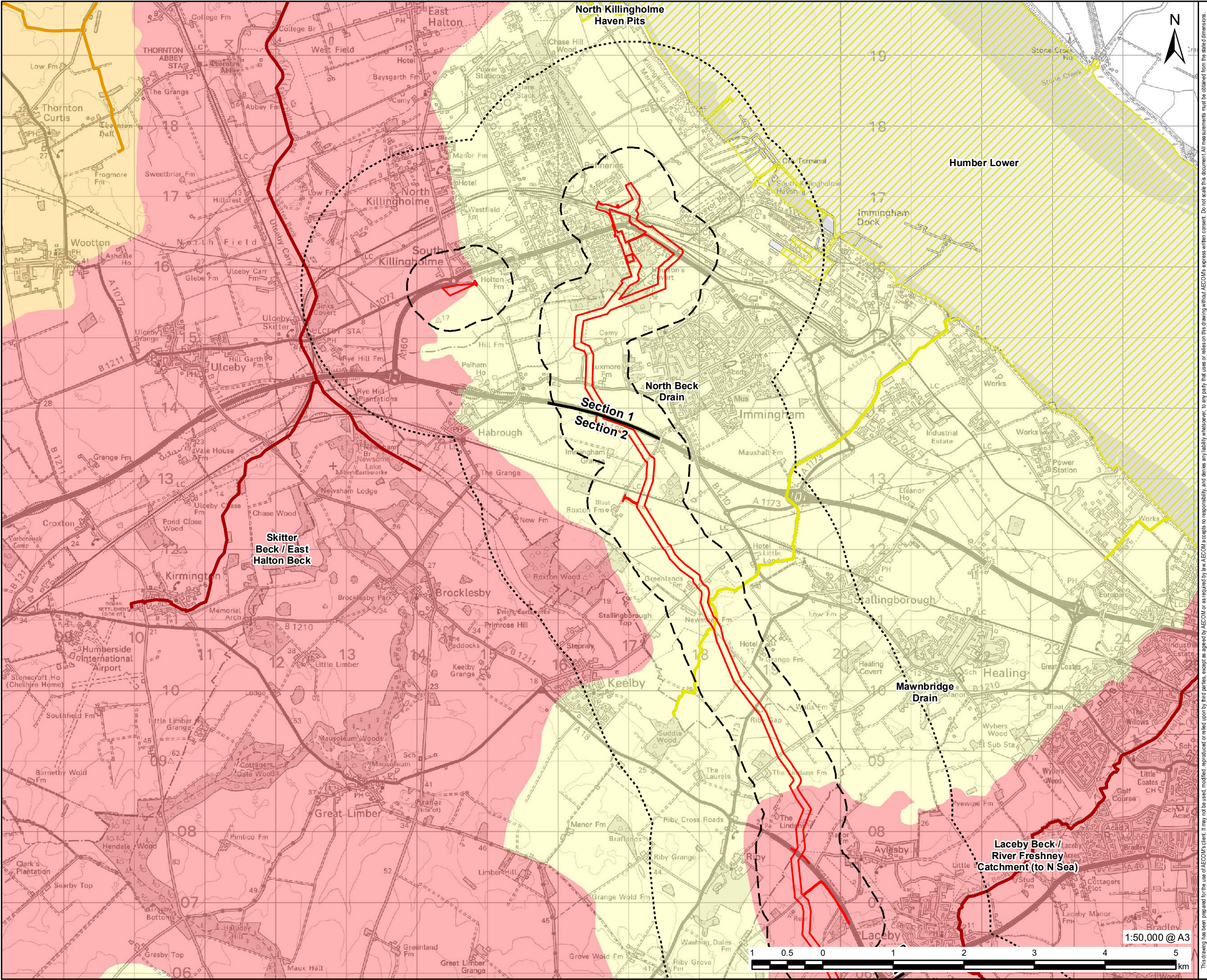
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- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Ordinary Watercourse
- EA Main River
- Crossing Location - Type
 - Drain
 - River

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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break

WFD River, Canal and Surface Water Transfer Waterbody

Ecological Classification

- Moderate
- Poor
- Bad

WFD River Waterbody Catchment Boundary

Ecological Classification

- Moderate
- Poor
- Bad

WFD Transitional and Coastal Waterbody

Ecological Classification

- Moderate

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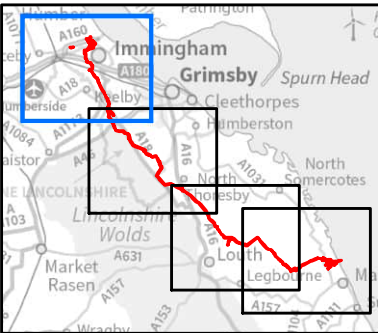


FIGURE TITLE

Figure 11-3 (1 of 4)

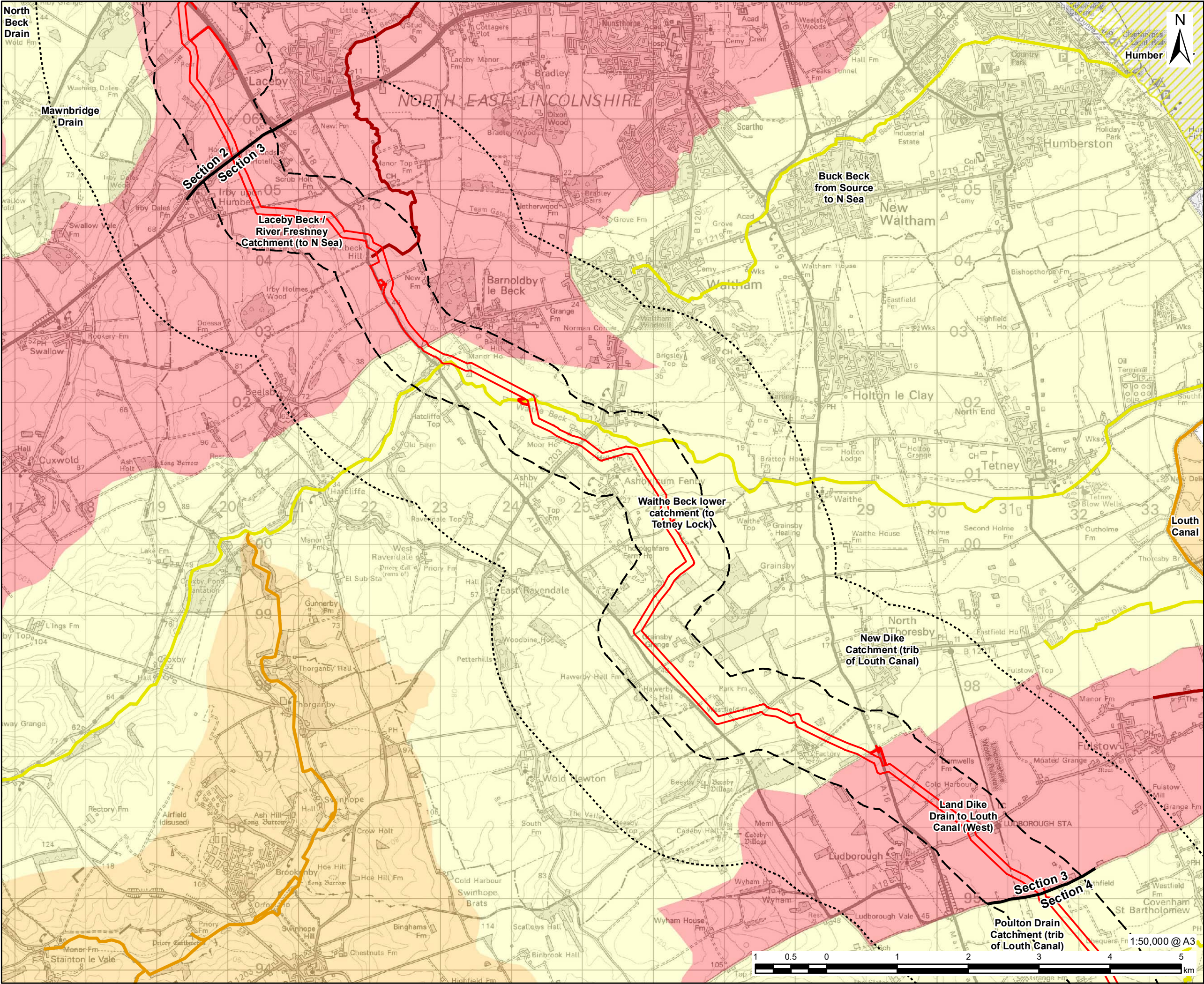
WFD Surface Waterbodies

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-3



- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break

WFD River, Canal and Surface Water Transfer Waterbody

Ecological Classification

- Moderate
- Poor
- Bad

WFD River Waterbody Catchment Boundary

Ecological Classification

- Moderate
- Poor
- Bad

WFD Transitional and Coastal Waterbody

Ecological Classification

- Moderate

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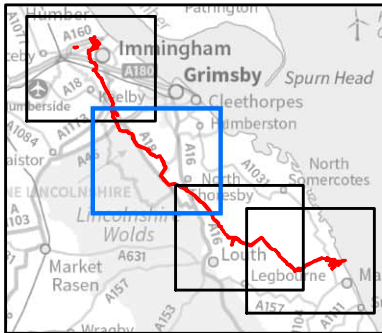


FIGURE TITLE

Figure 11-3 (2 of 4)

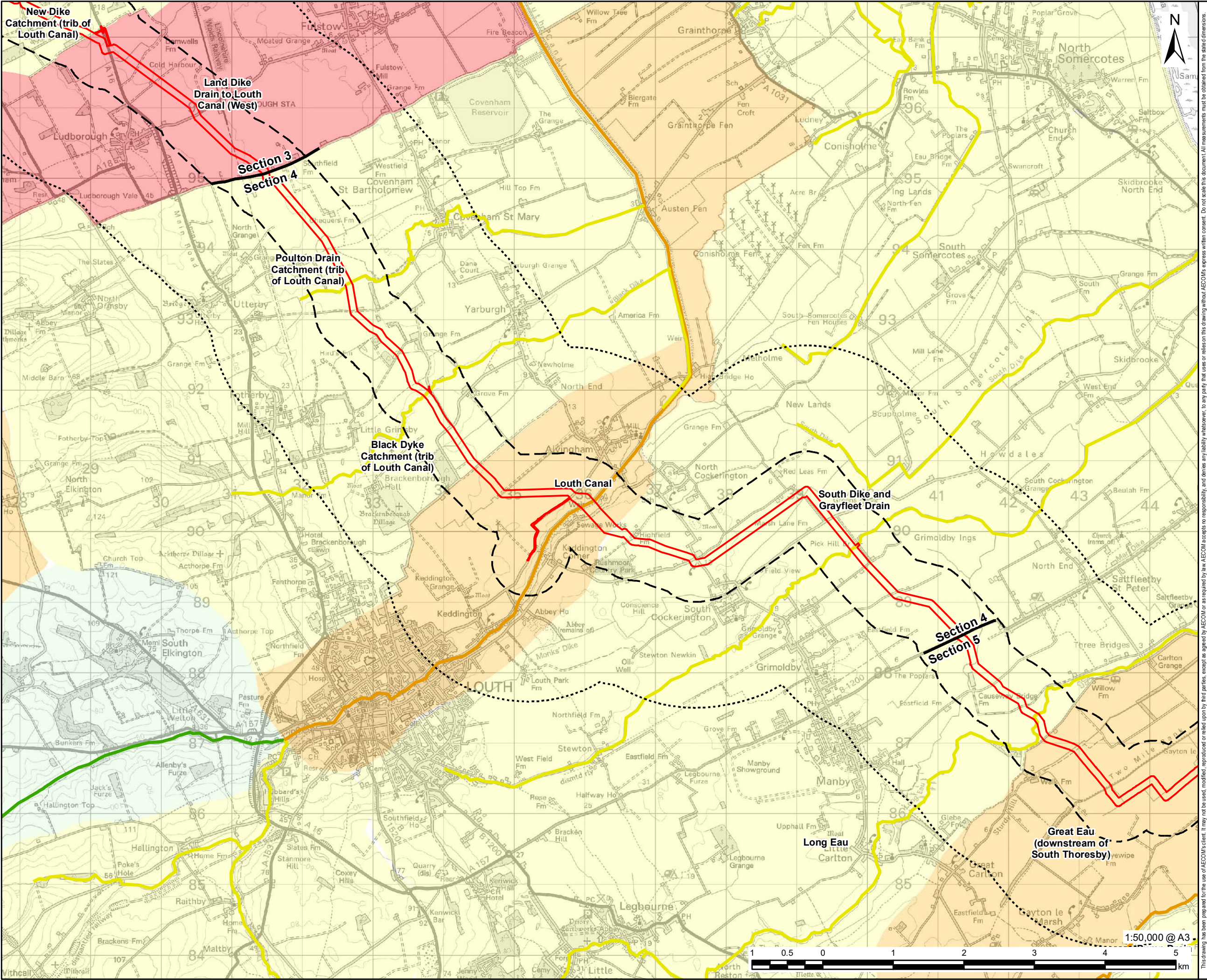
WFD Surface Waterbodies

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-3





PROJECT

Viking CCS Pipeline

LEGEND

-  DCO Site Boundary
-  500m Study Area
-  2km Study Area
-  Route Section Break

WFD River, Canal and Surface Water Transfer Waterbody

Ecological Classification

-  Good
-  Moderate
-  Poor

WFD River Waterbody Catchment Boundary

Ecological Classification

-  Good
-  Moderate
-  Poor
-  Bad

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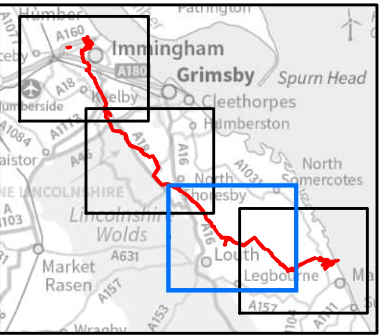
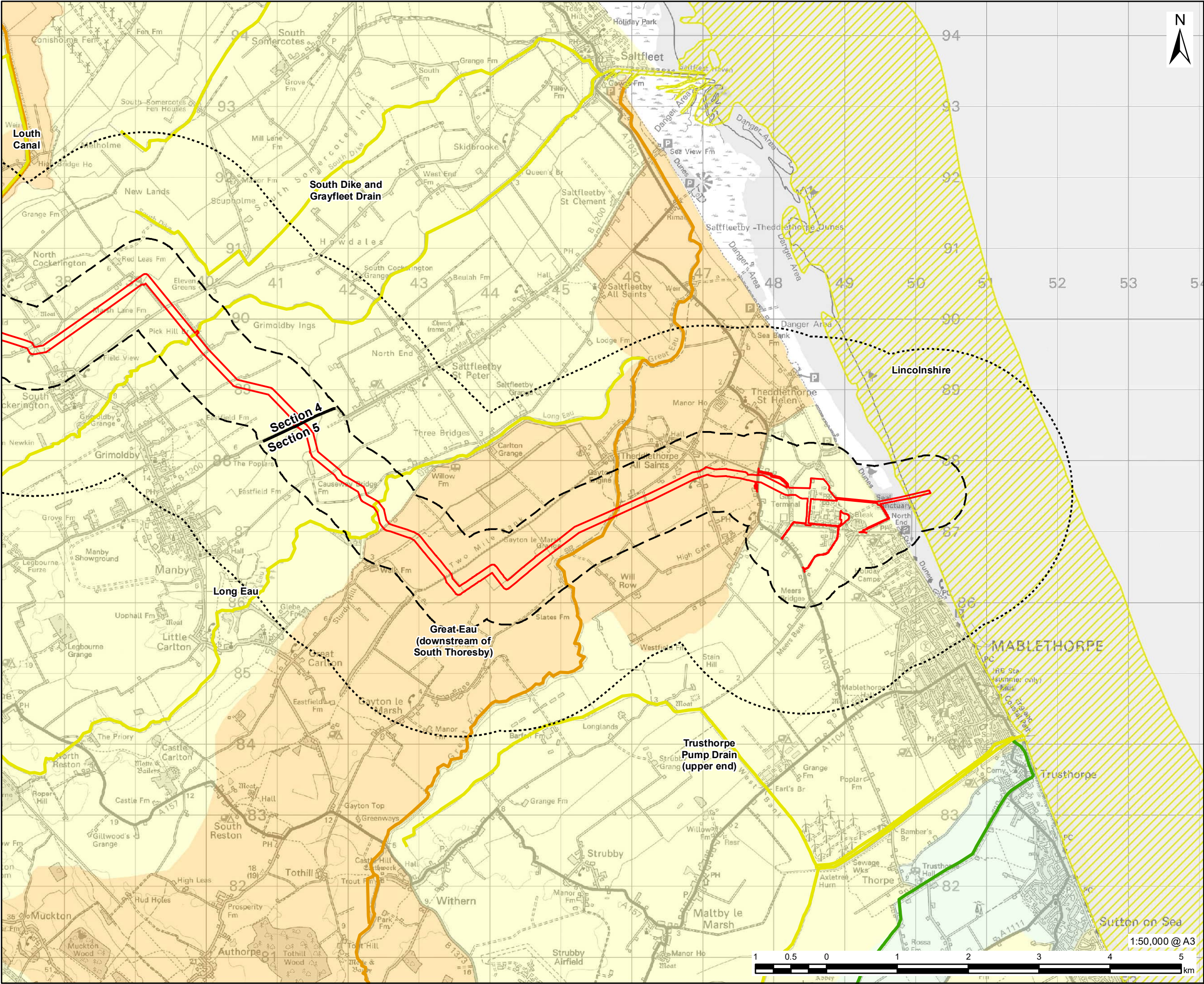


FIGURE TITLE

Figure 11-3 (3 of 4)

WFD Surface Waterbodies



- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break

WFD River, Canal and Surface Water Transfer Waterbody

Ecological Classification

- Good
- Moderate
- Poor

WFD River Waterbody Catchment Boundary

Ecological Classification

- Good
- Moderate
- Poor

WFD Transitional and Coastal Waterbody

Ecological Classification

- Moderate

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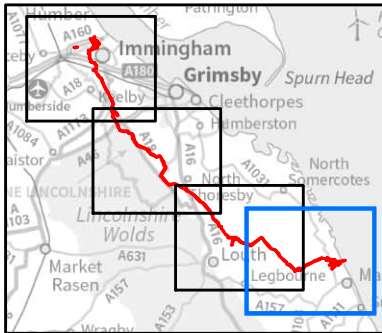


FIGURE TITLE

Figure 11-3 (4 of 4)

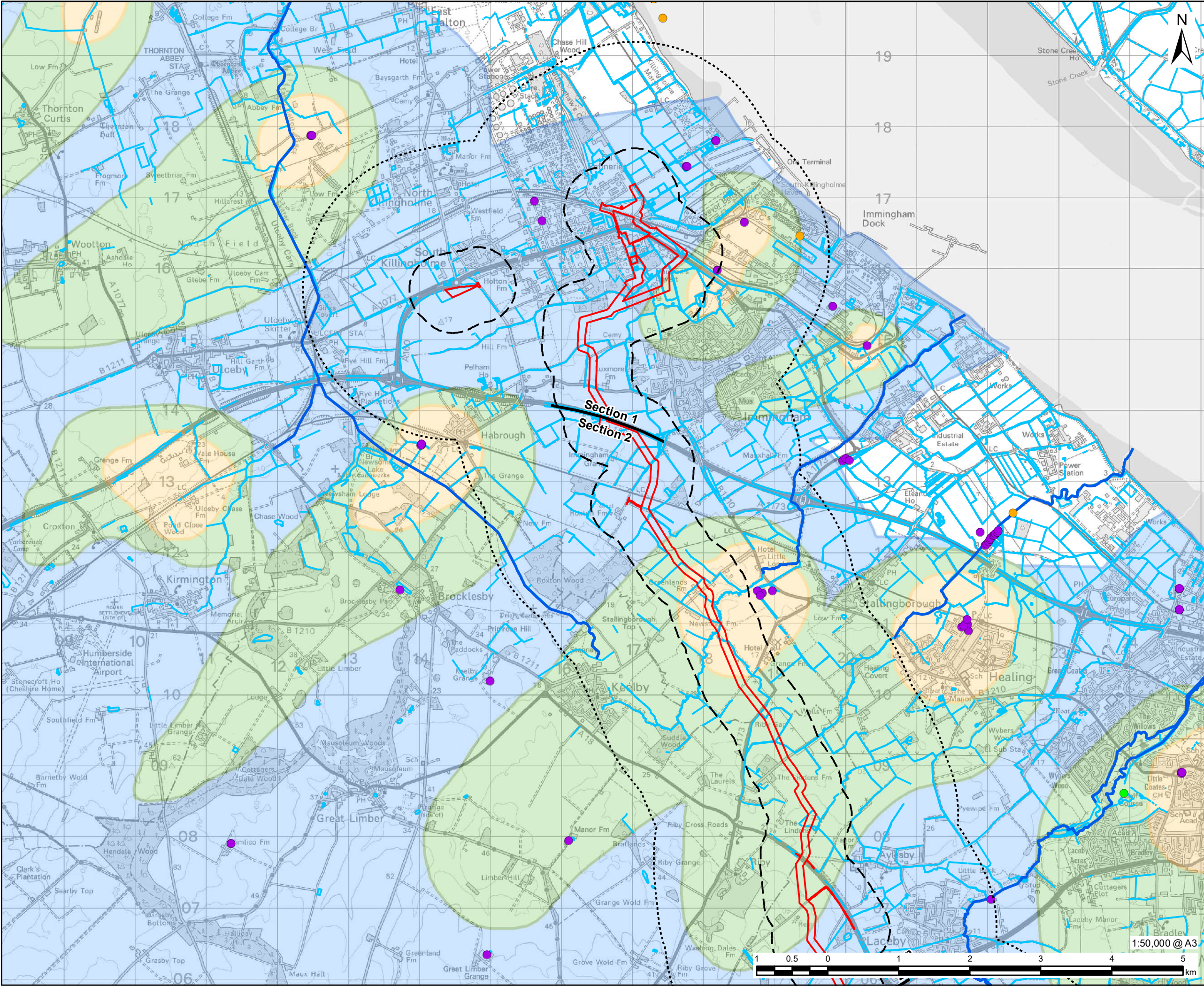
WFD Surface Waterbodies

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

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PROJECT

Viking CCS Pipeline

LEGEND

-  DCO Site Boundary
-  500m Study Area
-  2km Study Area
-  Route Section Break
-  EA Main River
-  Ordinary Watercourse
- Licenced Water Abstraction (EA)

 -  Ground Water
 -  Surface Water
 -  Transitional Water
- Source Protection Zone (EA)

 -  Zone 1 - Inner Protection Zone
 -  Zone 2 - Outer Protection Zone
 -  Zone 3 - Total Catchment

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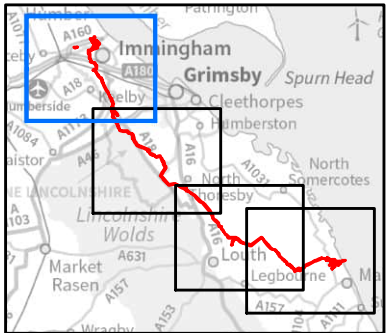


FIGURE TITLE

Figure 11-4 (1 of 4)

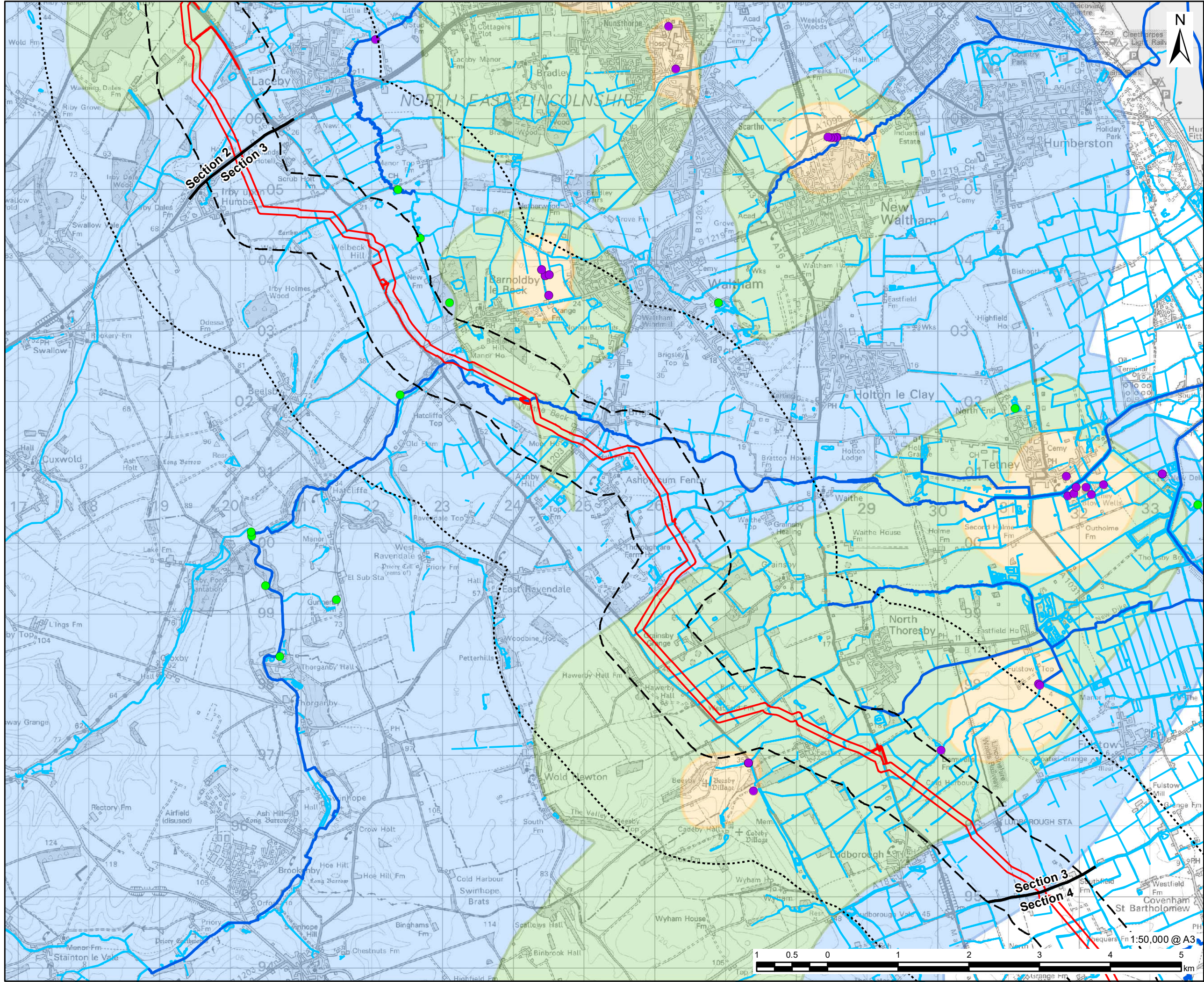
Water Resources in the Study Area

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-4





PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

500m Study Area

2km Study Area

Route Section Break

EA Main River

Ordinary Watercourse

Licenced Water Abstraction (EA)

Ground Water

Surface Water

Source Protection Zone (EA)

Zone 1 - Inner Protection Zone

Zone 2 - Outer Protection Zone

Zone 3 - Total Catchment

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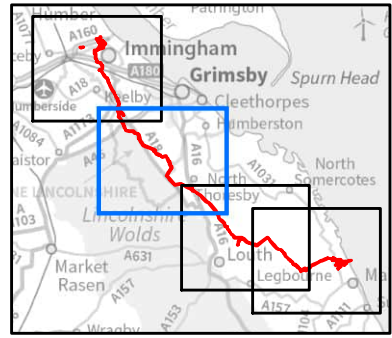


FIGURE TITLE

Figure 11-4 (2 of 4)

Water Resources in the Study Area

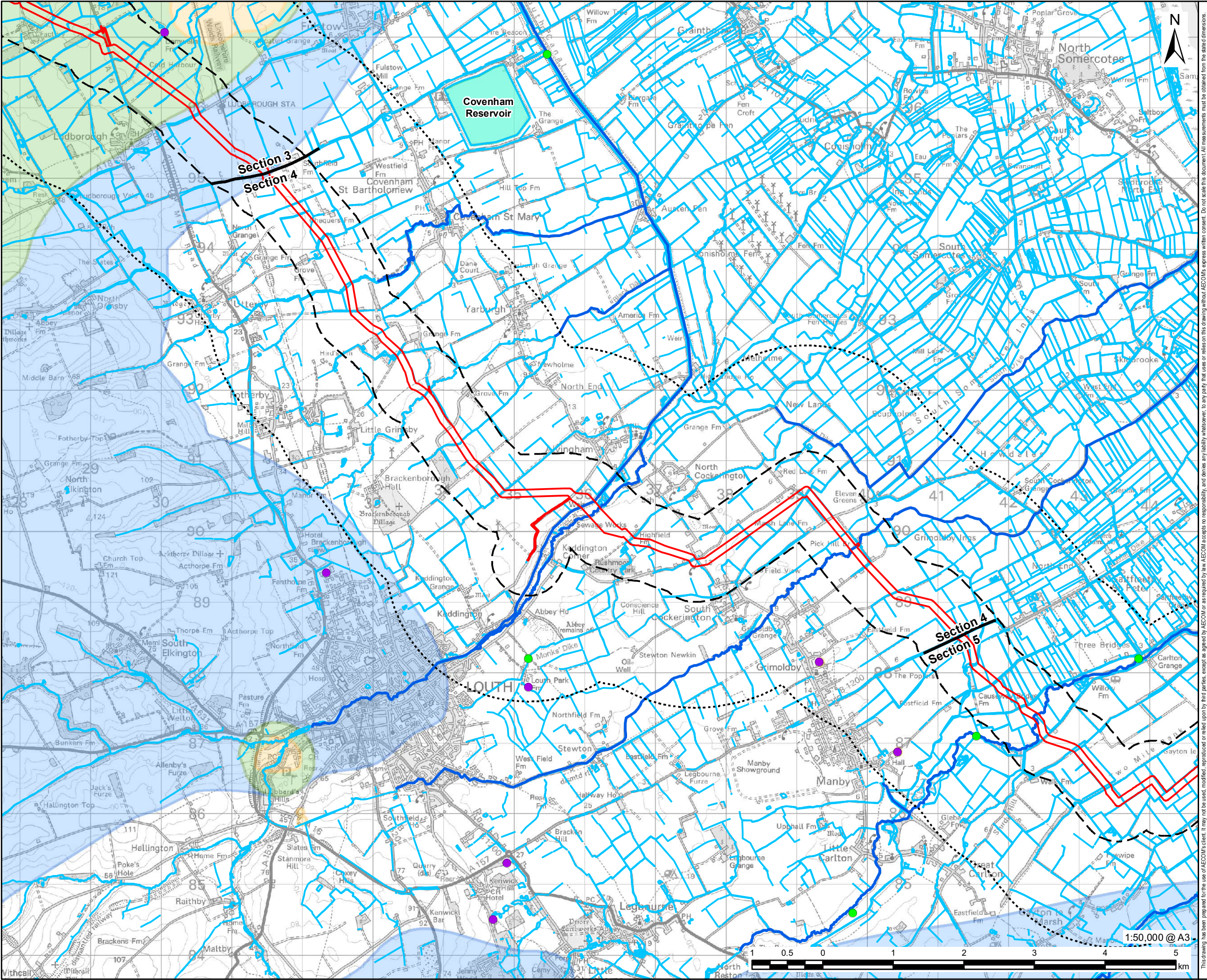
ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-4

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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- EA Main River
- Ordinary Watercourse
- Covenham Reservoir
- Licenced Water Abstraction (EA)
- Ground Water
- Surface Water
- Zone 1 - Inner Protection Zone
- Zone 2 - Outer Protection Zone
- Zone 3 - Total Catchment

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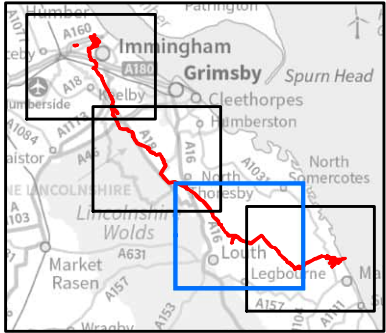
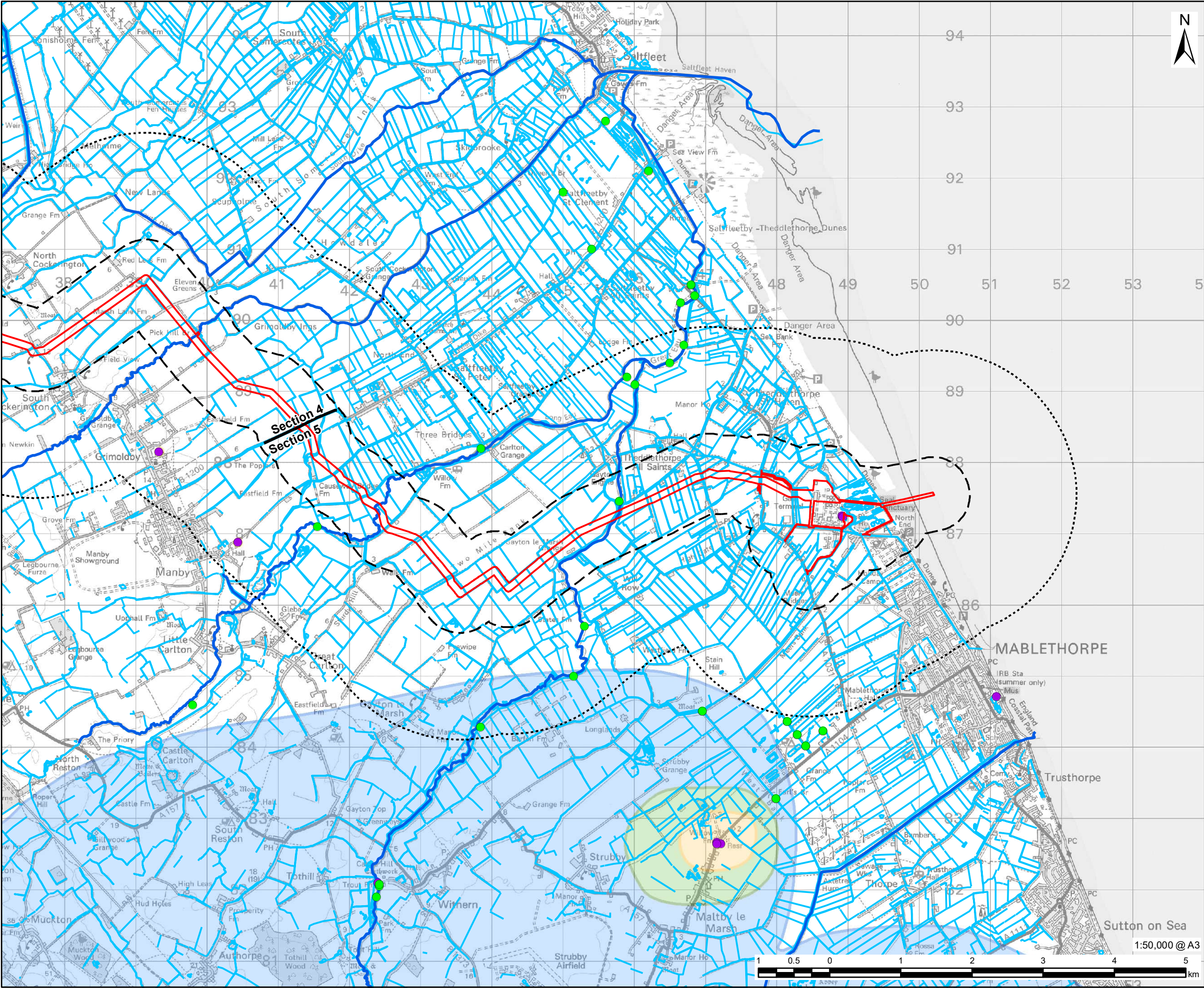


FIGURE TITLE

Figure 11-4 (3 of 4)

Water Resources in the Study Area





PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

500m Study Area

2km Study Area

Route Section Break

EA Main River

Ordinary Watercourse

Licenced Water Abstraction (EA)

Ground Water

Surface Water

Source Protection Zone (EA)

Zone 1 - Inner Protection Zone

Zone 2 - Outer Protection Zone

Zone 3 - Total Catchment

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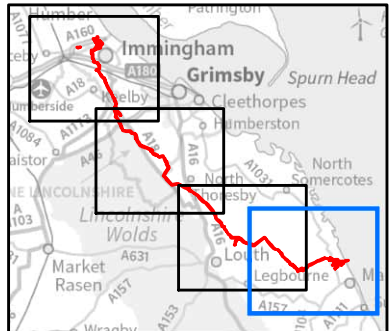


FIGURE TITLE

Figure 11-4 (4 of 4)

Water Resources in the Study Area

ISSUE PURPOSE

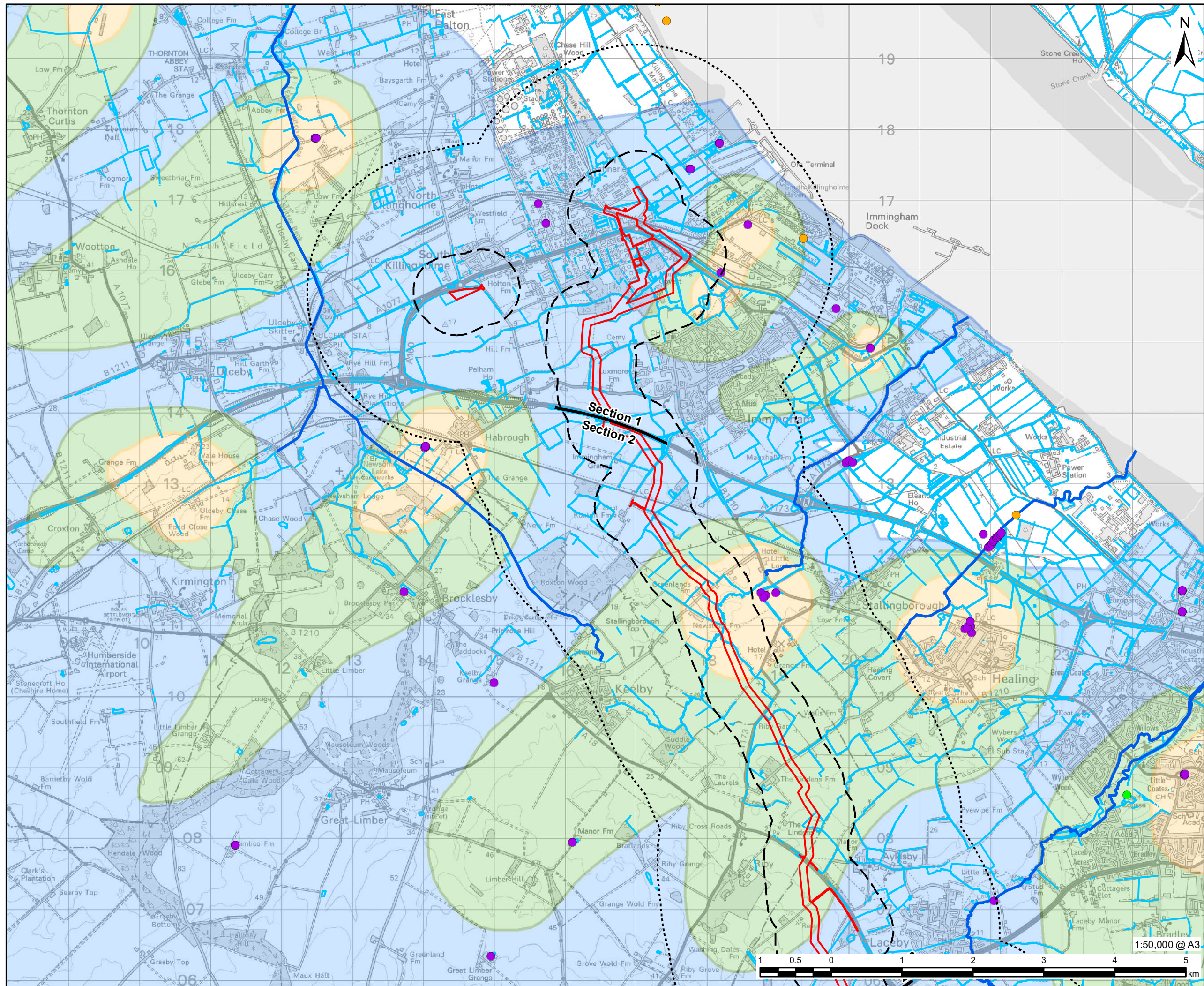
ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

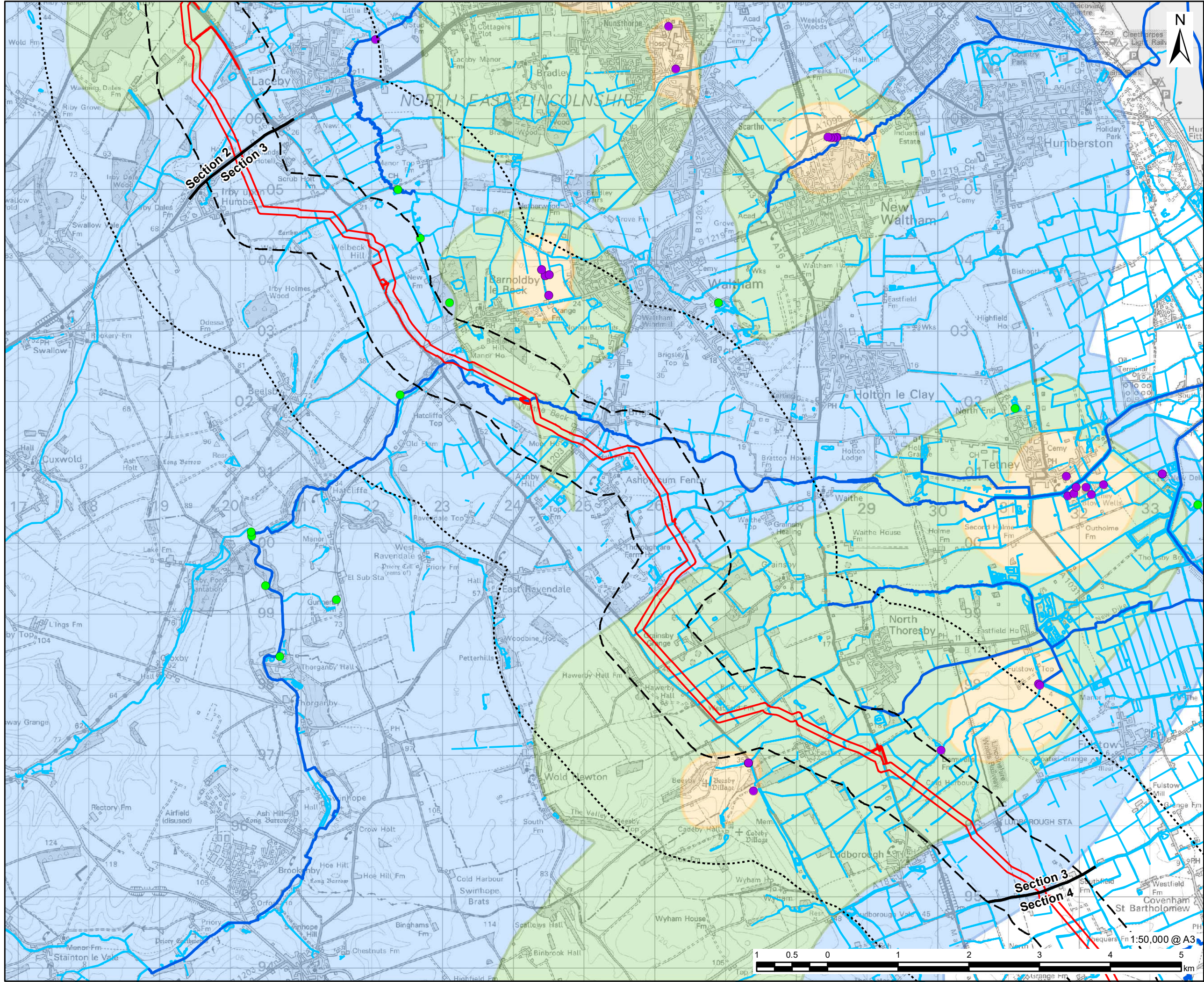
60668955 / VCCS_230914_ES_11-4

1:50,000 @ A3





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PROJECT

Viking CCS Pipeline

LEGEND

-  DCO Site Boundary
-  500m Study Area
-  2km Study Area
-  Route Section Break
-  EA Main River
-  Ordinary Watercourse
- Licenced Water Abstraction (EA)
 -  Ground Water
 -  Surface Water
- Source Protection Zone (EA)
 -  Zone 1 - Inner Protection Zone
 -  Zone 2 - Outer Protection Zone
 -  Zone 3 - Total Catchment

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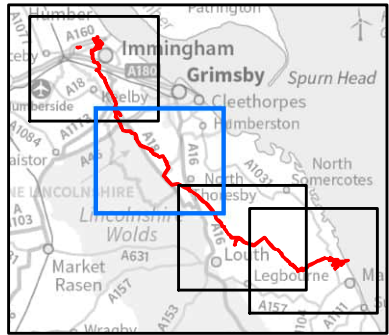


FIGURE TITLE

Figure 11-4 (2 of 4)

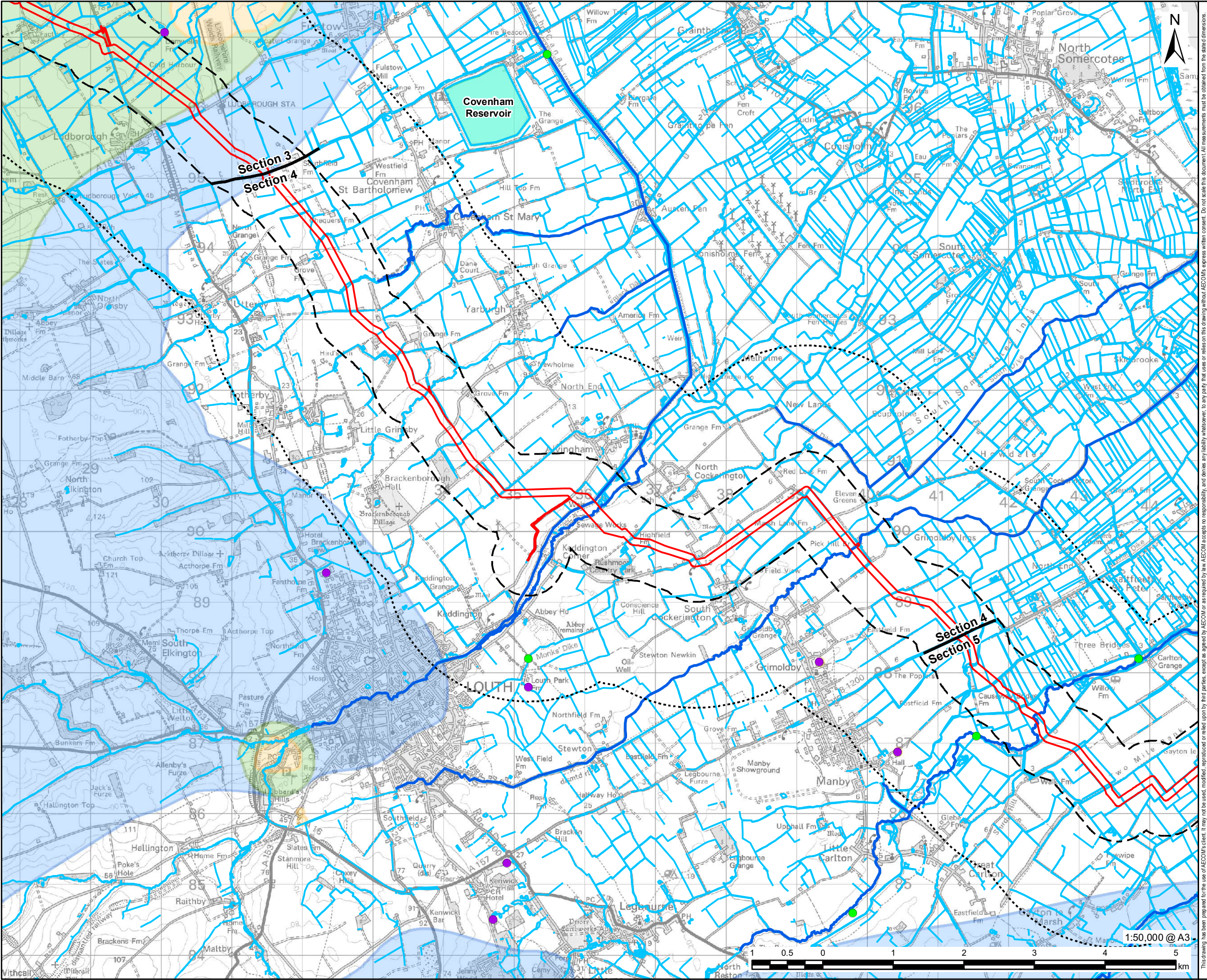
Water Resources in the Study Area

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-4



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- EA Main River
- Ordinary Watercourse
- Covenham Reservoir
- Licensed Water Abstraction (EA)
- Ground Water
- Surface Water
- Source Protection Zone (EA)
- Zone 1 - Inner Protection Zone
- Zone 2 - Outer Protection Zone
- Zone 3 - Total Catchment

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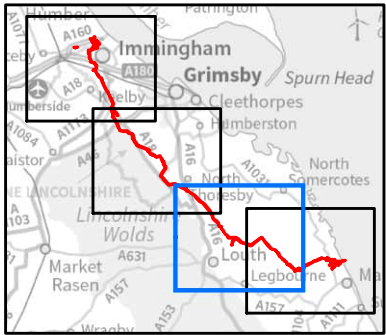


FIGURE TITLE

Figure 11-4 (3 of 4)

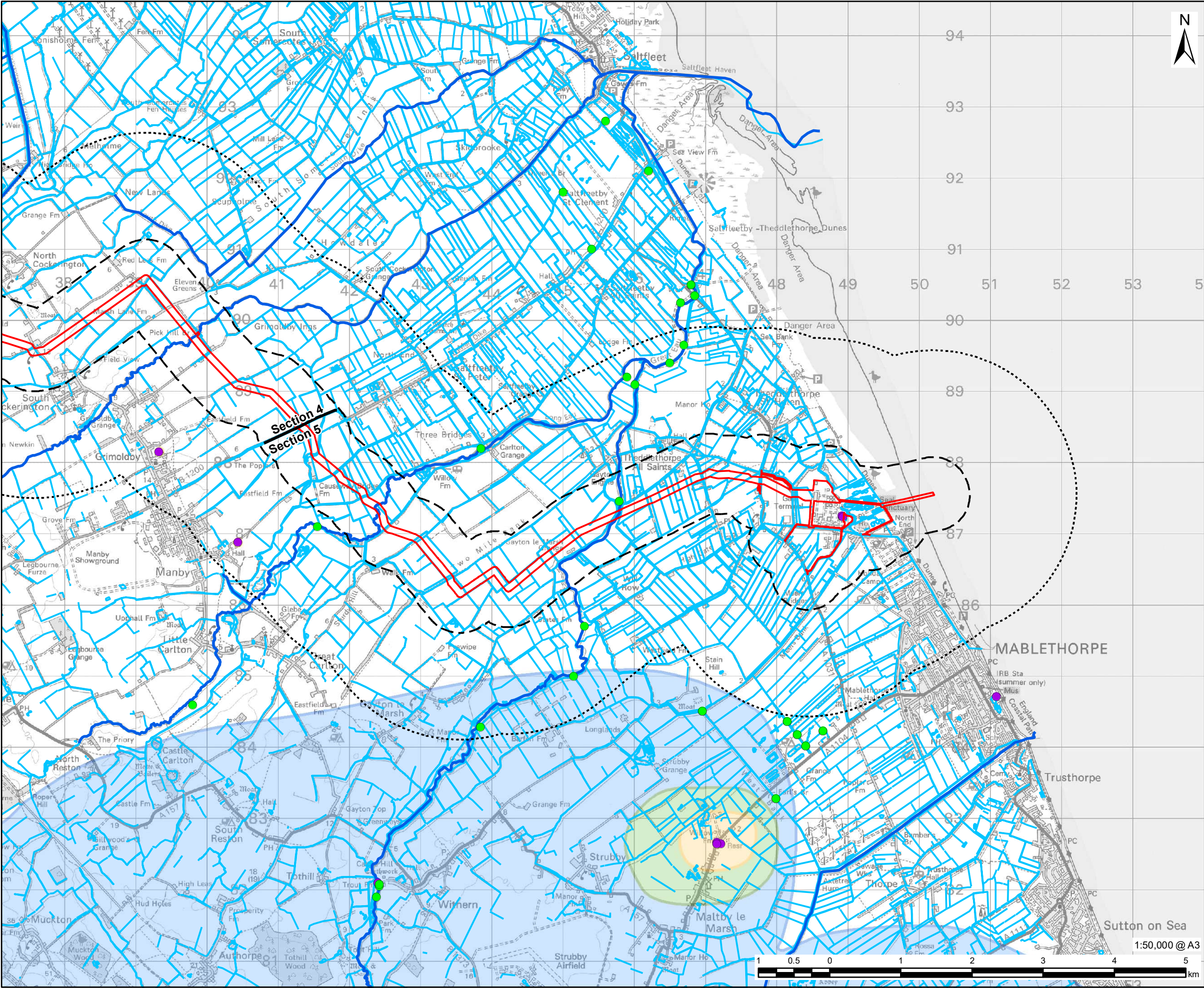
Water Resources in the Study Area

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-4





PROJECT

Viking CCS Pipeline

LEGEND

 DCO Site Boundary

 500m Study Area

 2km Study Area

 Route Section Break

 EA Main River

 Ordinary Watercourse

Licenced Water Abstraction (EA)

 Ground Water

 Surface Water

Source Protection Zone (EA)

 Zone 1 - Inner Protection Zone

 Zone 2 - Outer Protection Zone

 Zone 3 - Total Catchment

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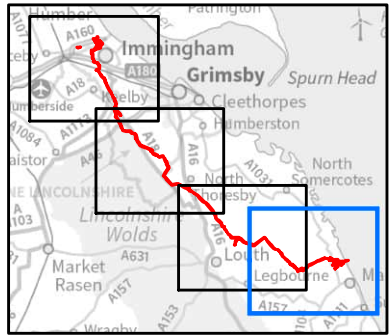


FIGURE TITLE

Figure 11-4 (4 of 4)

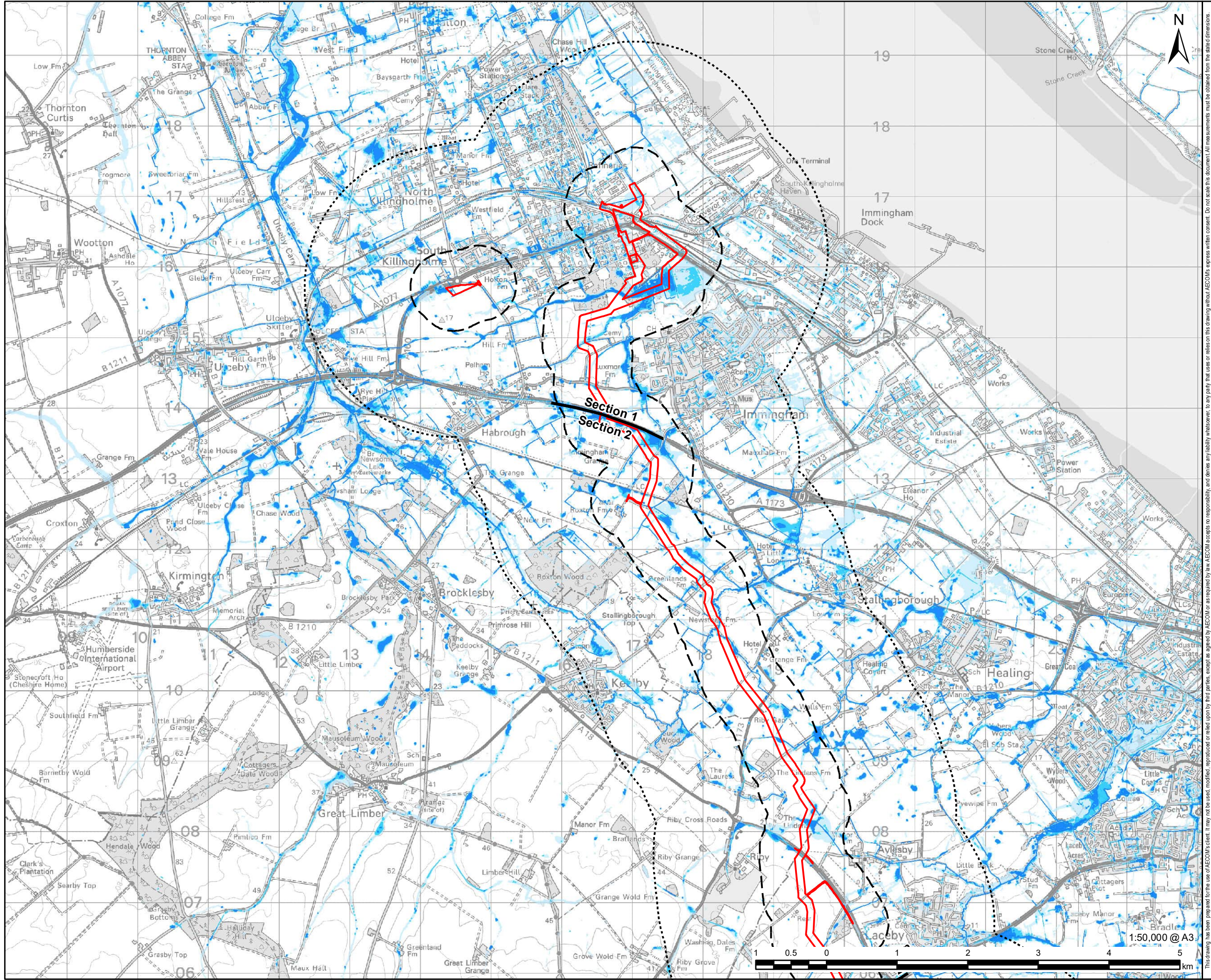
Water Resources in the Study Area

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-4



PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break

Environment Agency - Risk of Flooding from Surface Water

- High - 3.3% AEP
- Medium - 1% AEP
- Low - 0.1% AEP

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FIGURE TITLE

Figure 11-5 (1 of 4)

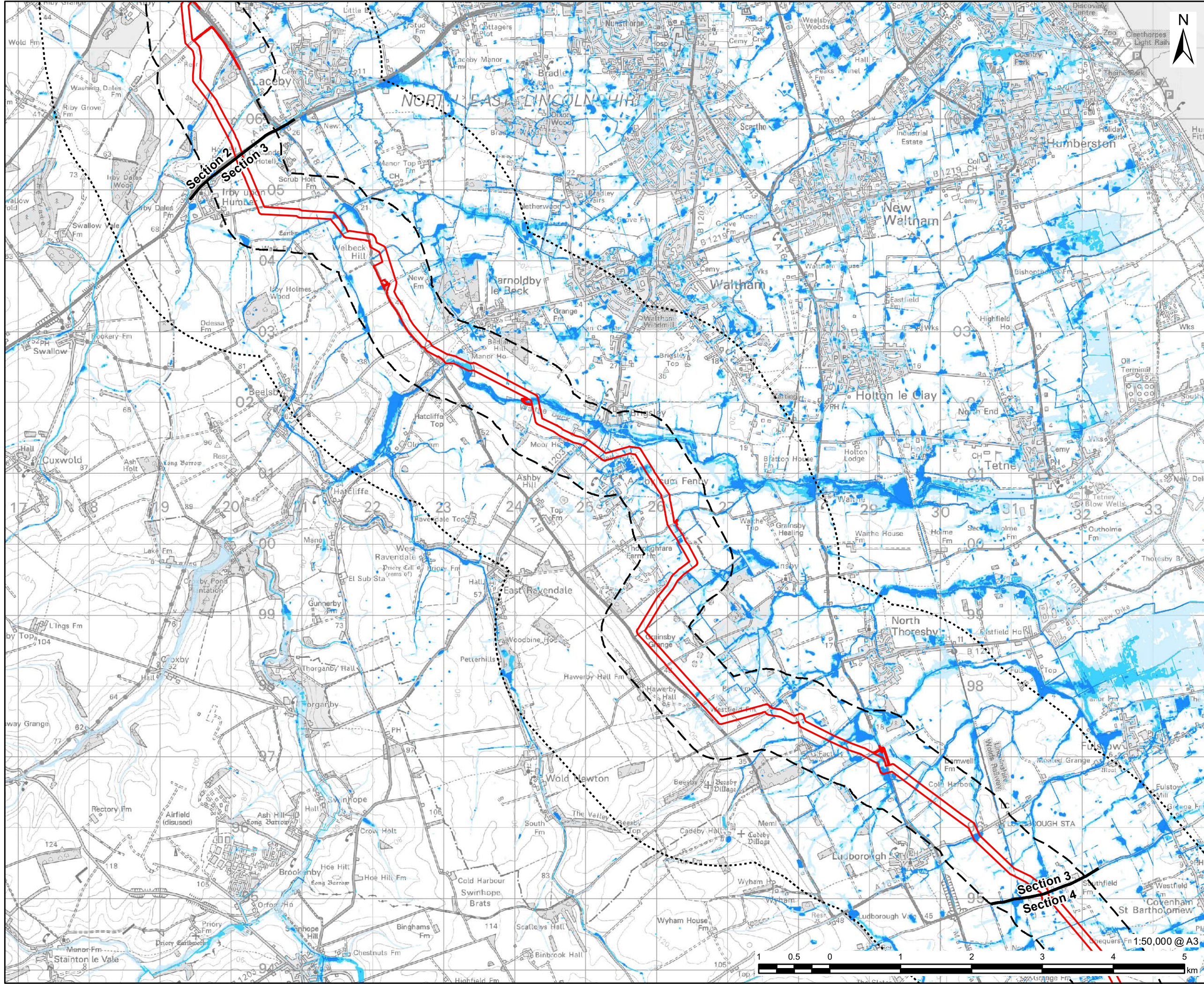
Environment Agency Risk of Flooding from Surface Water

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-5





PROJECT

Viking CCS Pipeline

LEGEND

 DCO Site Boundary

 500m Study Area

 2km Study Area

 Route Section Break

Environment Agency - Risk of Flooding from Surface Water

 High - 3.3% AEP

 Medium - 1% AEP

 Low - 0.1% AEP

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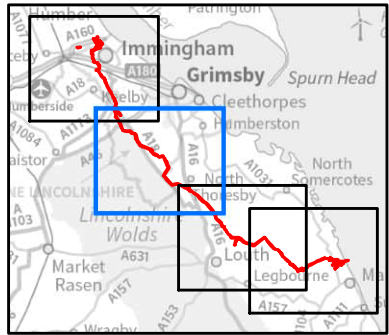


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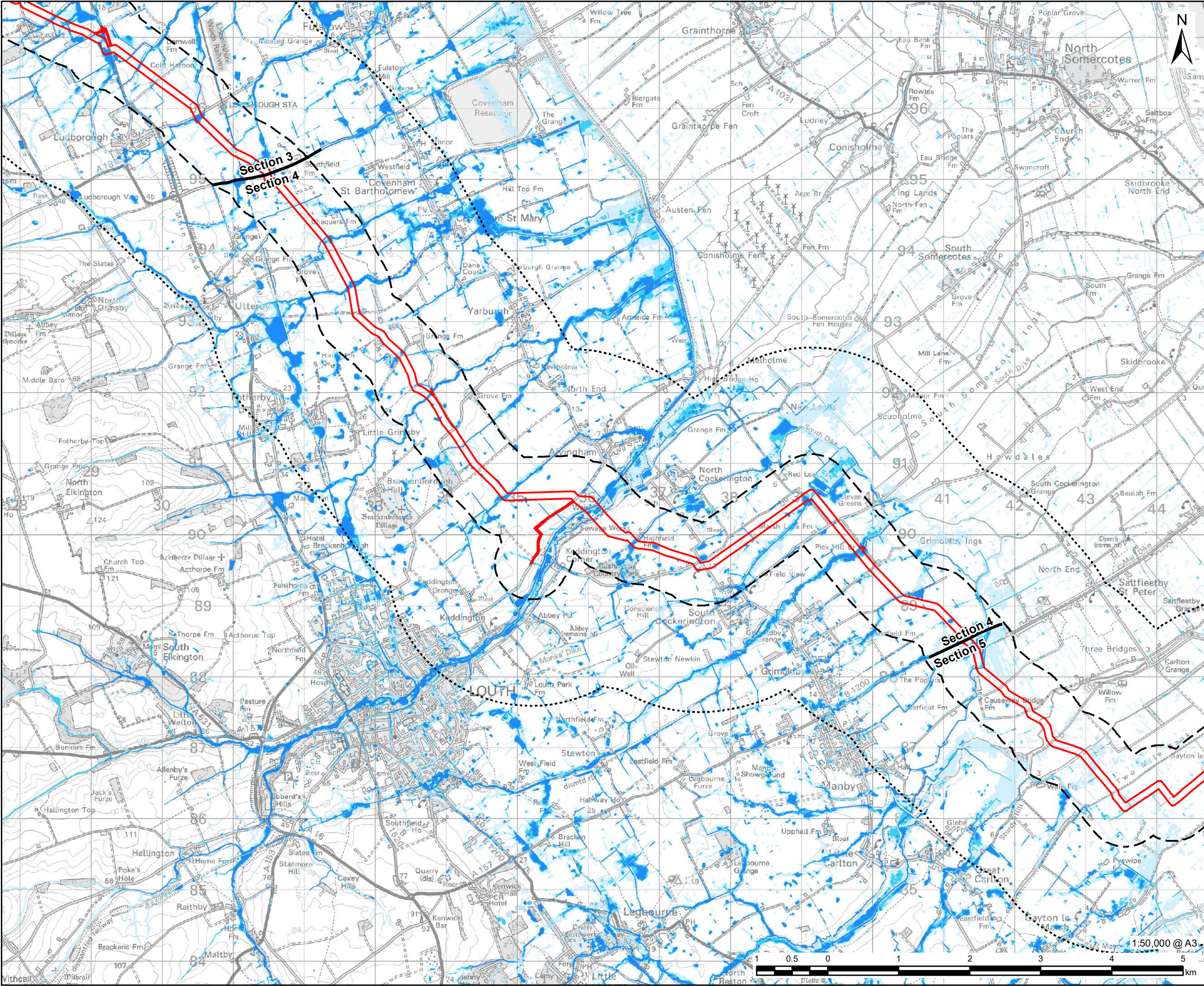
Figure 11-5 (2 of 4)
Environment Agency Risk of Flooding from Surface Water

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-5



- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break

Environment Agency - Risk of Flooding from Surface Water

- High - 3.3% AEP
- Medium - 1% AEP
- Low - 0.1% AEP

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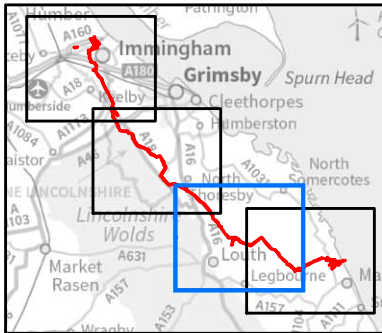


FIGURE TITLE

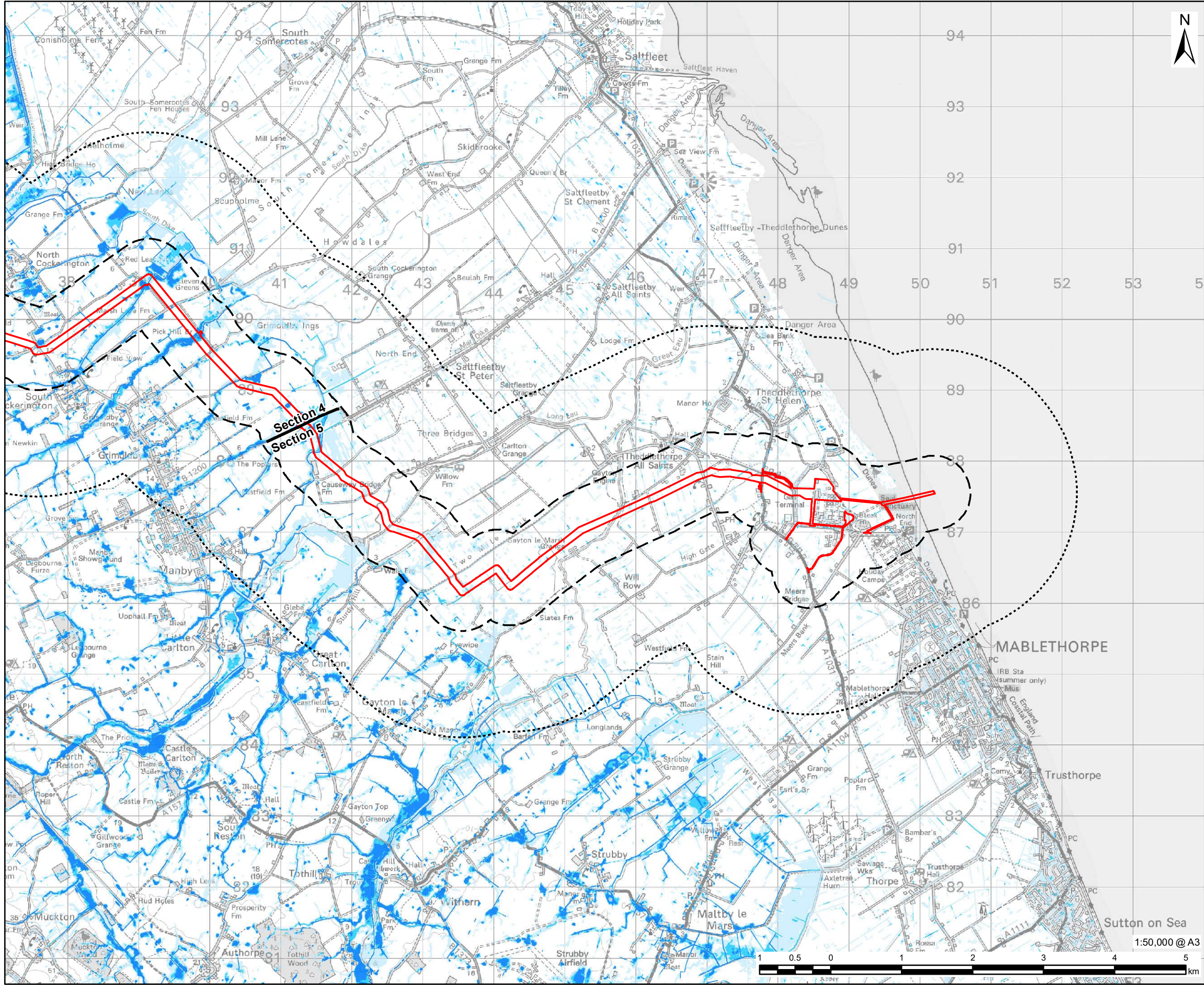
Figure 11-5 (3 of 4)
Environment Agency Risk of Flooding from Surface Water

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-5



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break

Environment Agency - Risk of Flooding from Surface Water

- High - 3.3% AEP
- Medium - 1% AEP
- Low - 0.1% AEP

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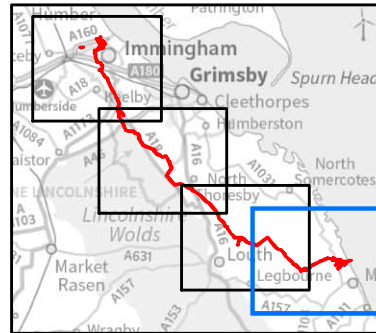


FIGURE TITLE

Figure 11-5 (4 of 4)
Environment Agency Risk of Flooding from Surface Water

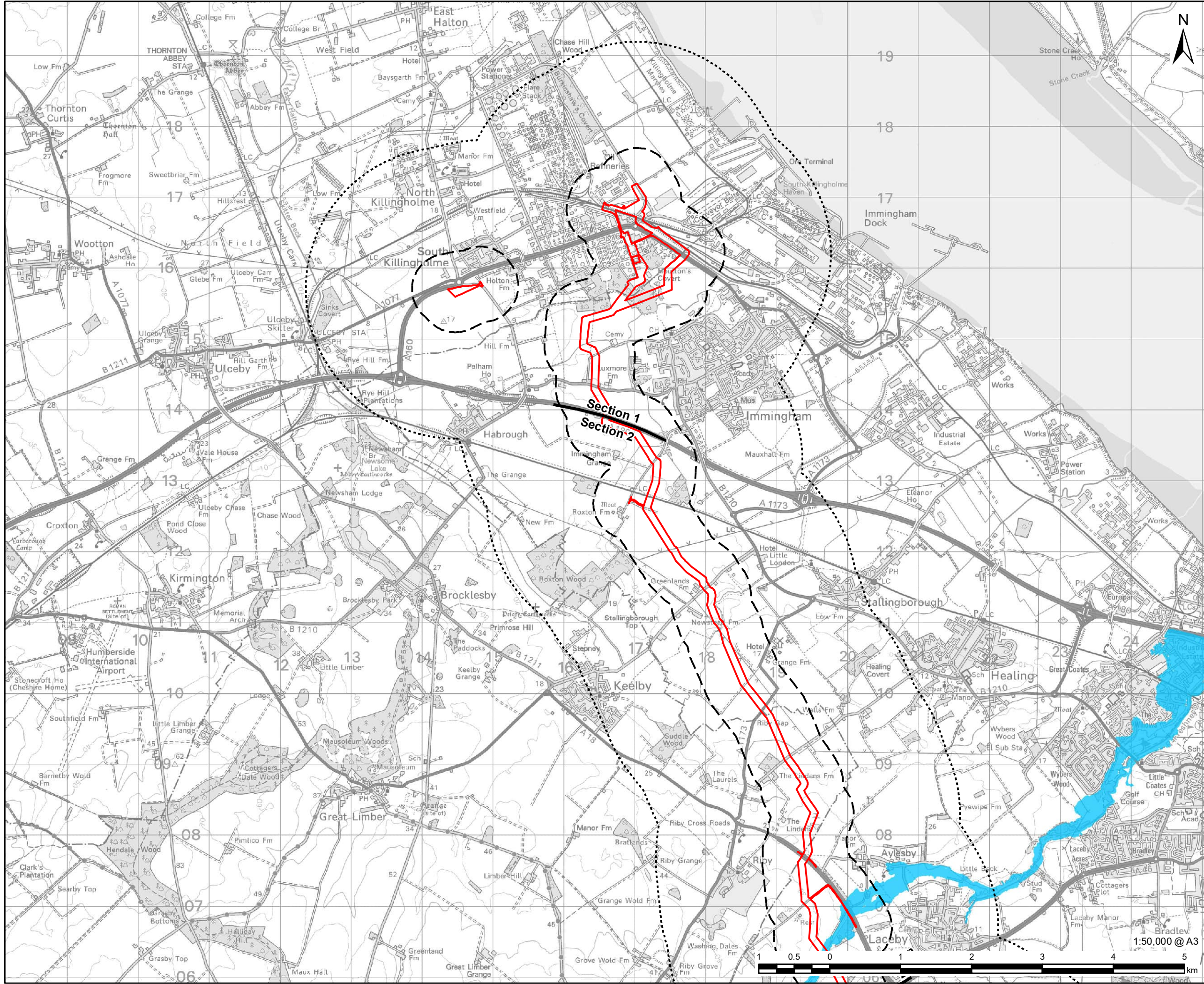
ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-5

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VikingCCS

AECOM

PROJECT

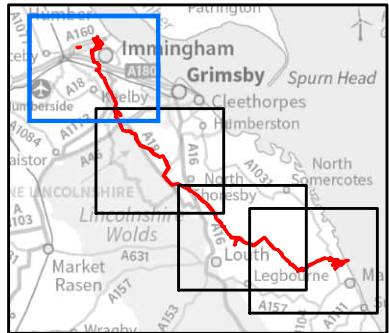
Viking CCS Pipeline

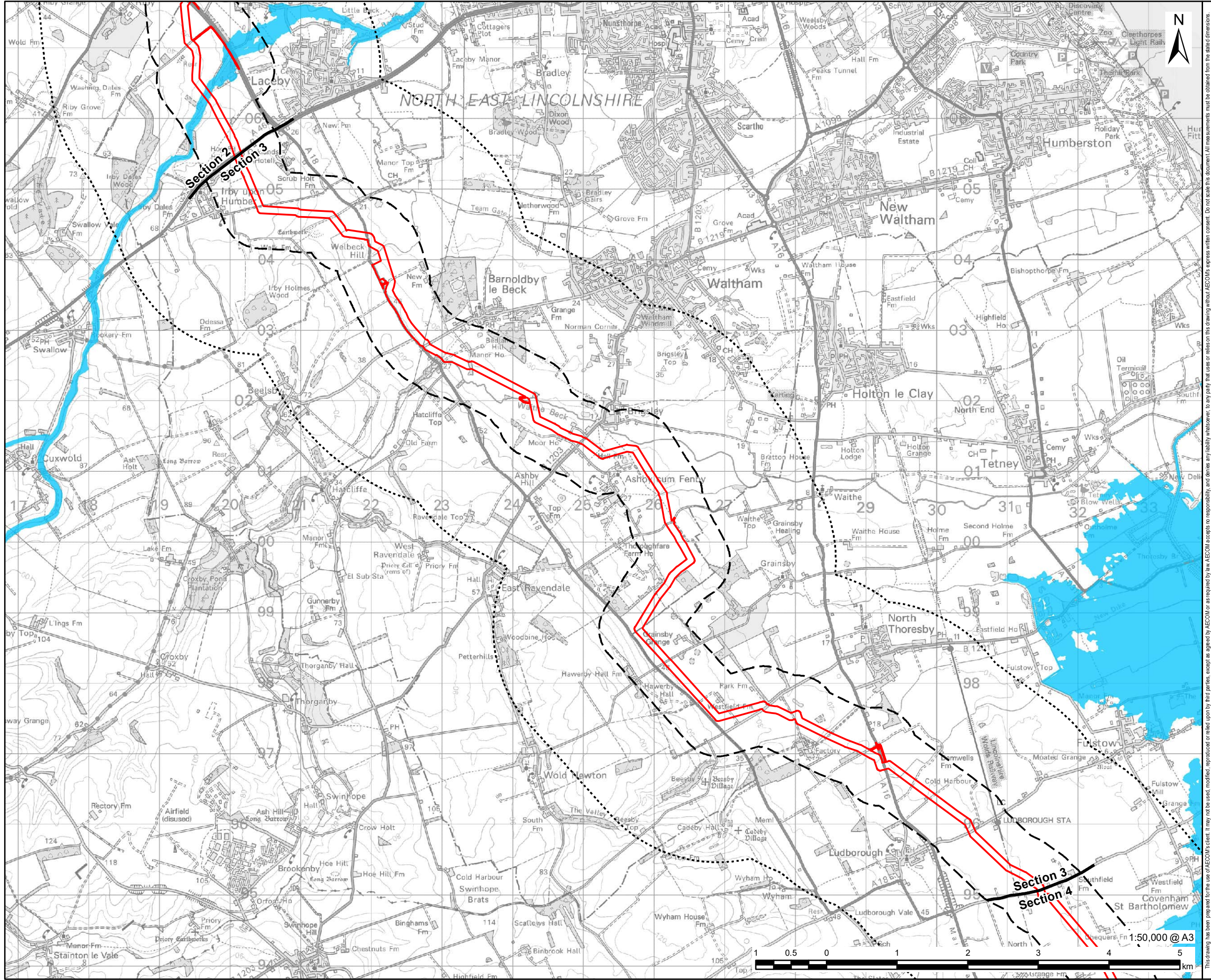
LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Reservoir Flood Extents

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PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

500m Study Area

2km Study Area

Route Section Break

Reservoir Flood Extents

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FIGURE TITLE

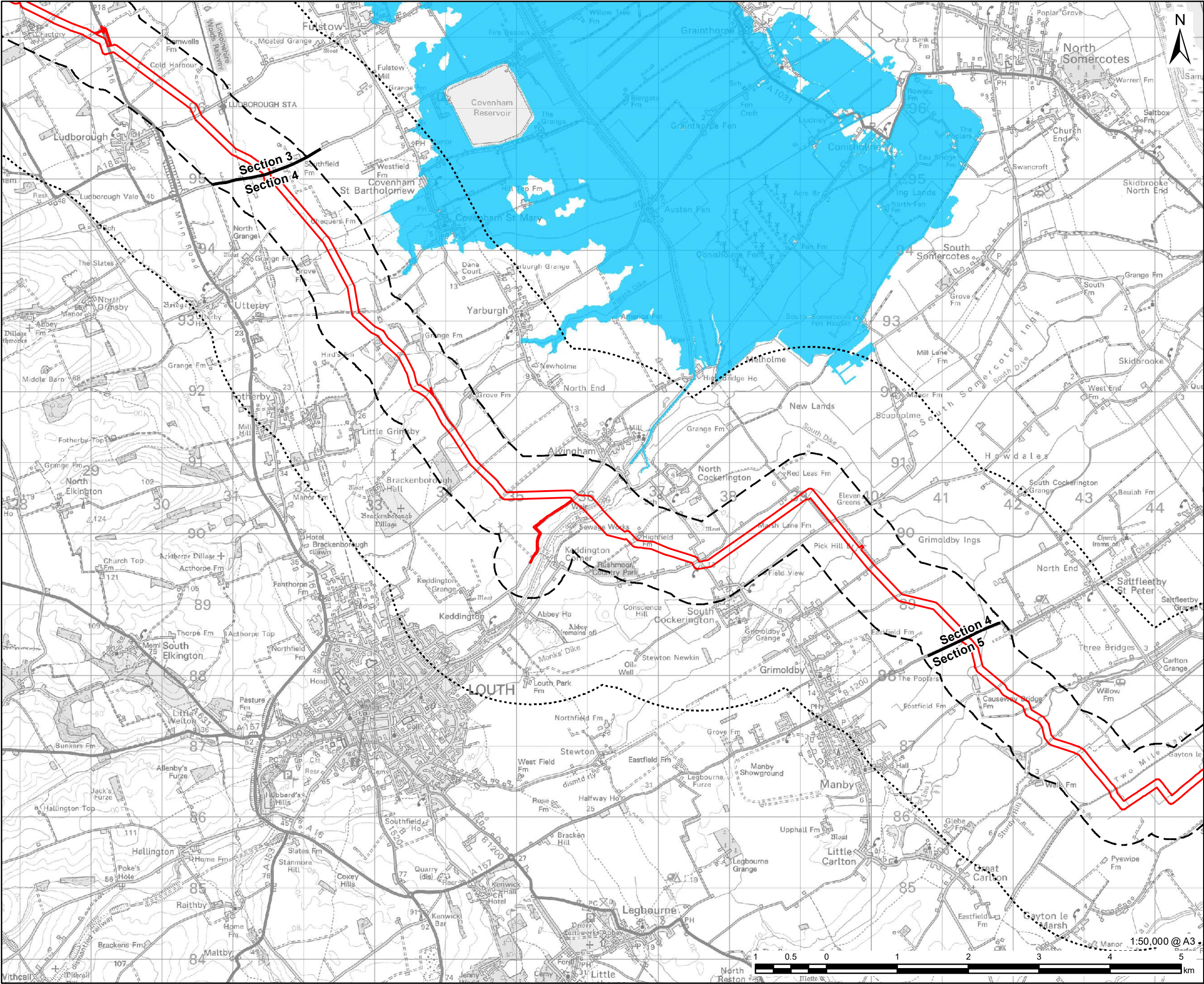
Figure 11-6 (2 of 4)
Environment Agency Risk of Flooding from Reservoirs

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-6



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Reservoir Flood Extents

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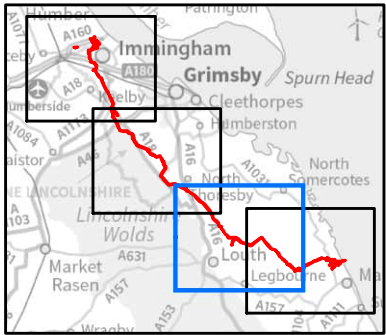


FIGURE TITLE

Figure 11-6 (3 of 4)

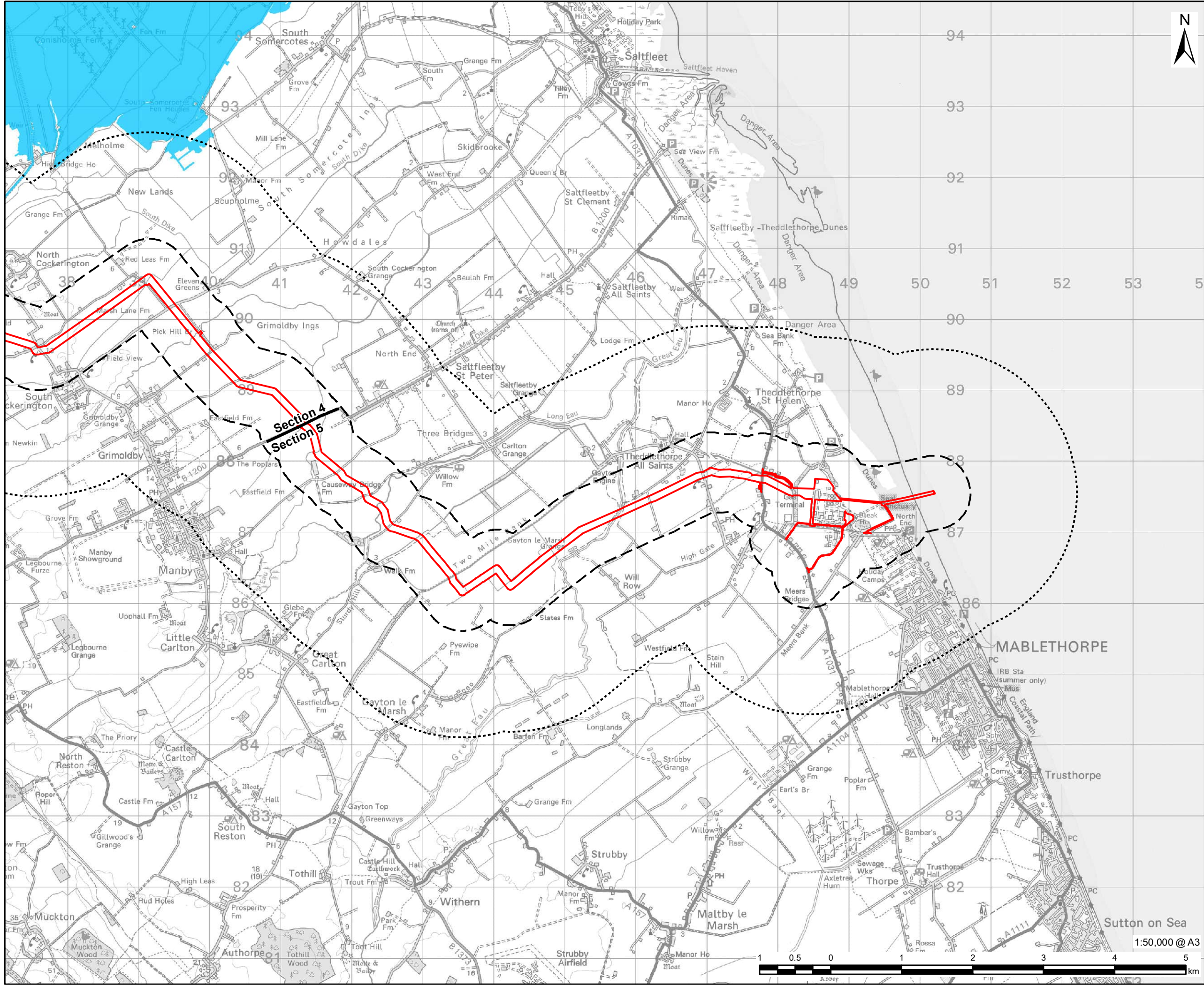
Environment Agency Risk of Flooding from Reservoirs

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

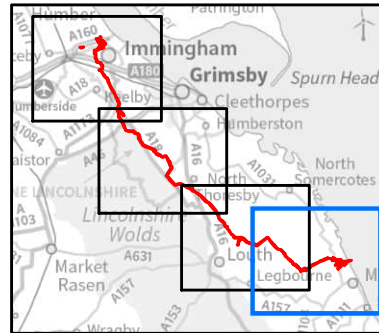
PROJECT NUMBER / REFERENCE

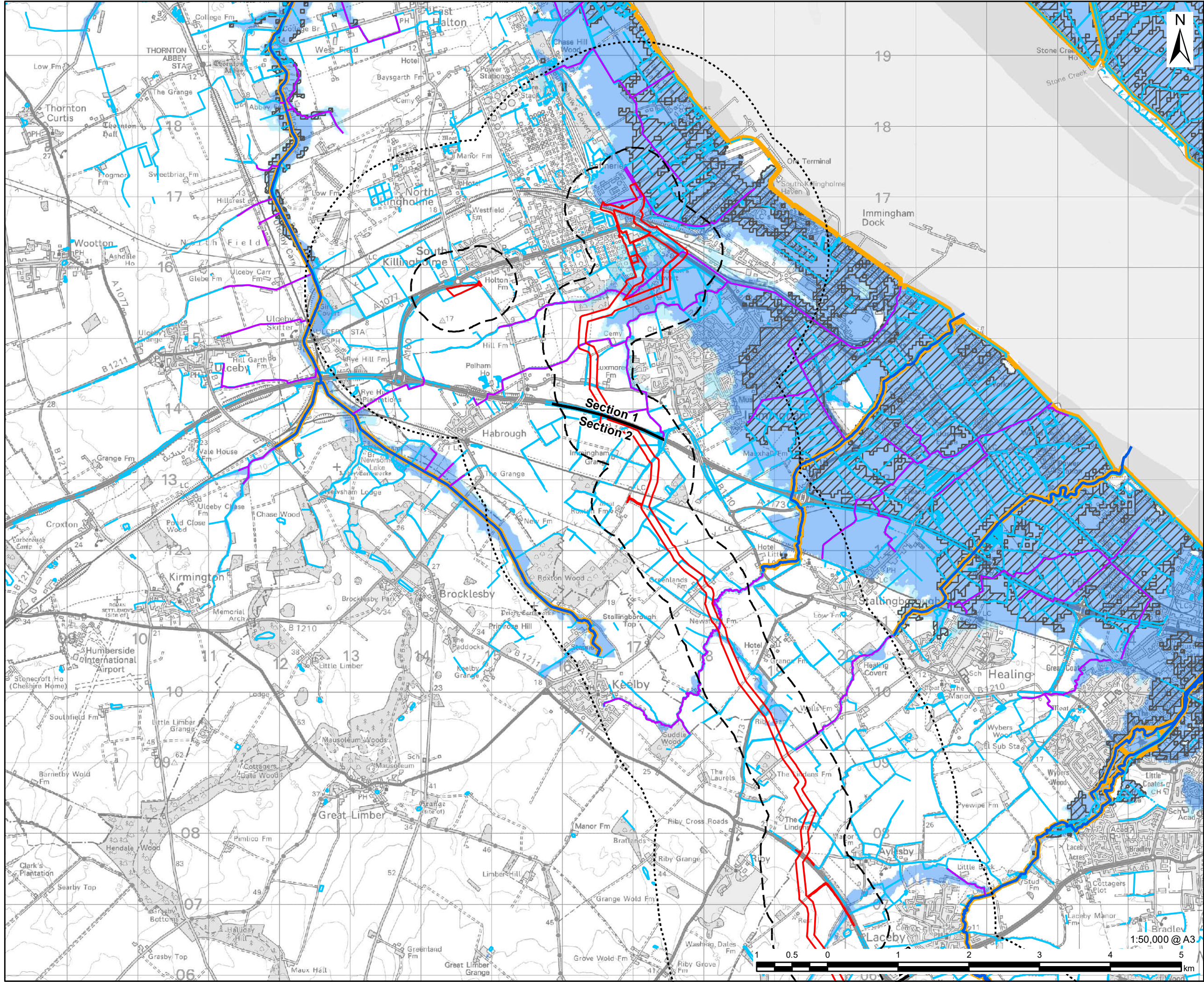
60668955 / VCCS_230914_ES_11-6



- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Reservoir Flood Extents

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VikingCCS

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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Ordinary Watercourse
- IDB Maintained Watercourse
- EA Main River
- Flood Defence
- Reduction in Risk of Flooding from Rivers and Sea due to Defences
- Flood Zone 2
- Flood Zone 3

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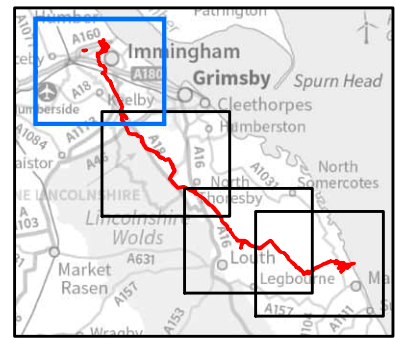


FIGURE TITLE

Figure 11-7 (1 of 4)

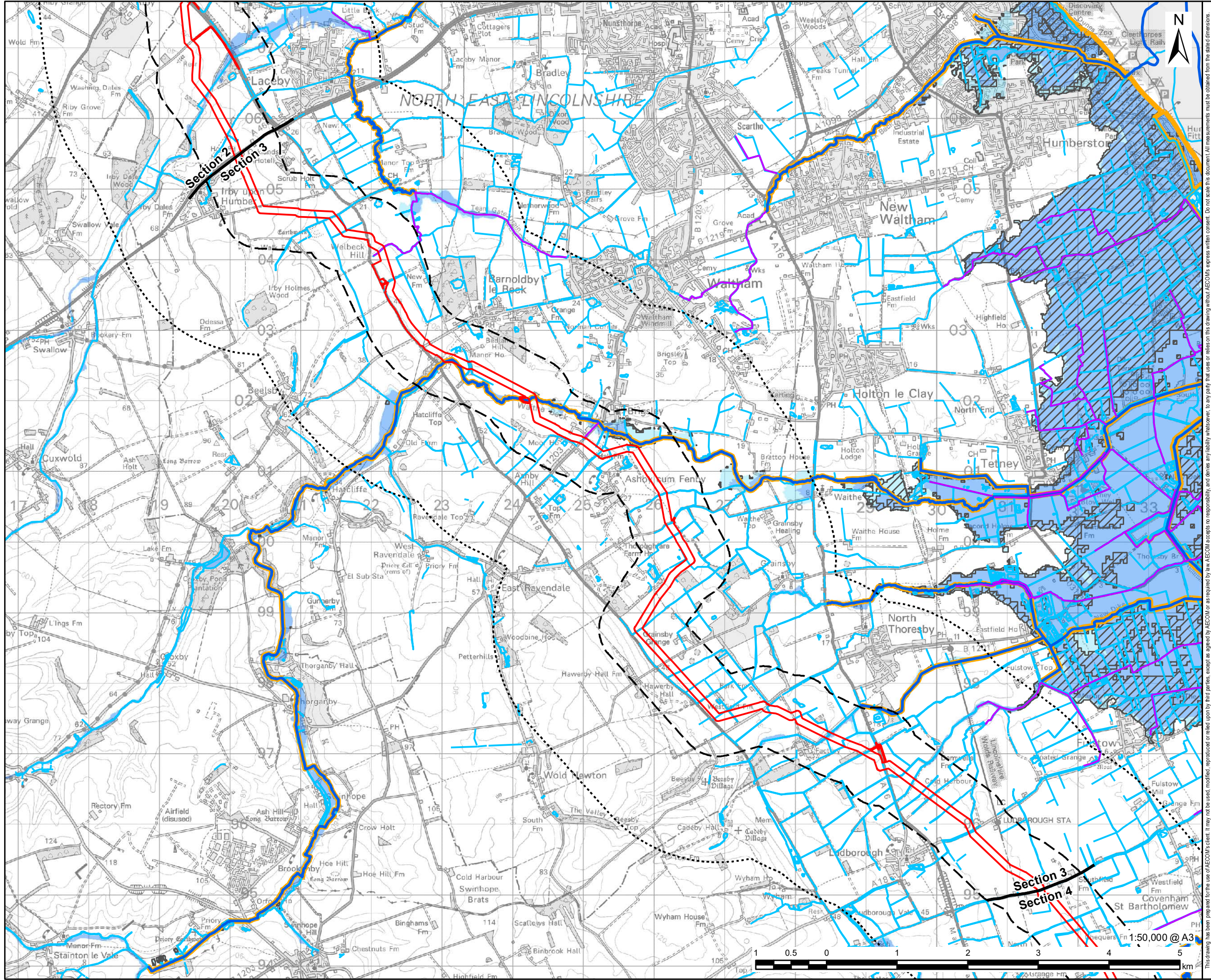
Environment Agency Fluvial and Tidal Flood Risk

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231004_ES_11-7



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Ordinary Watercourse
- IDB Maintained Watercourse
- EA Main River
- Flood Defence
- Reduction in Risk of Flooding from Rivers and Sea due to Defences
- Flood Zone 2
- Flood Zone 3

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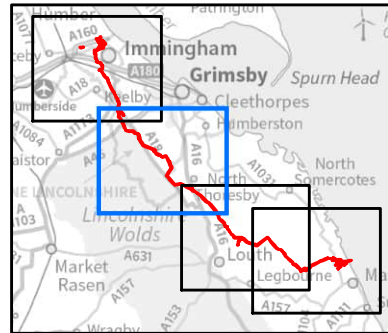


FIGURE TITLE

Figure 11-7 (2 of 4)

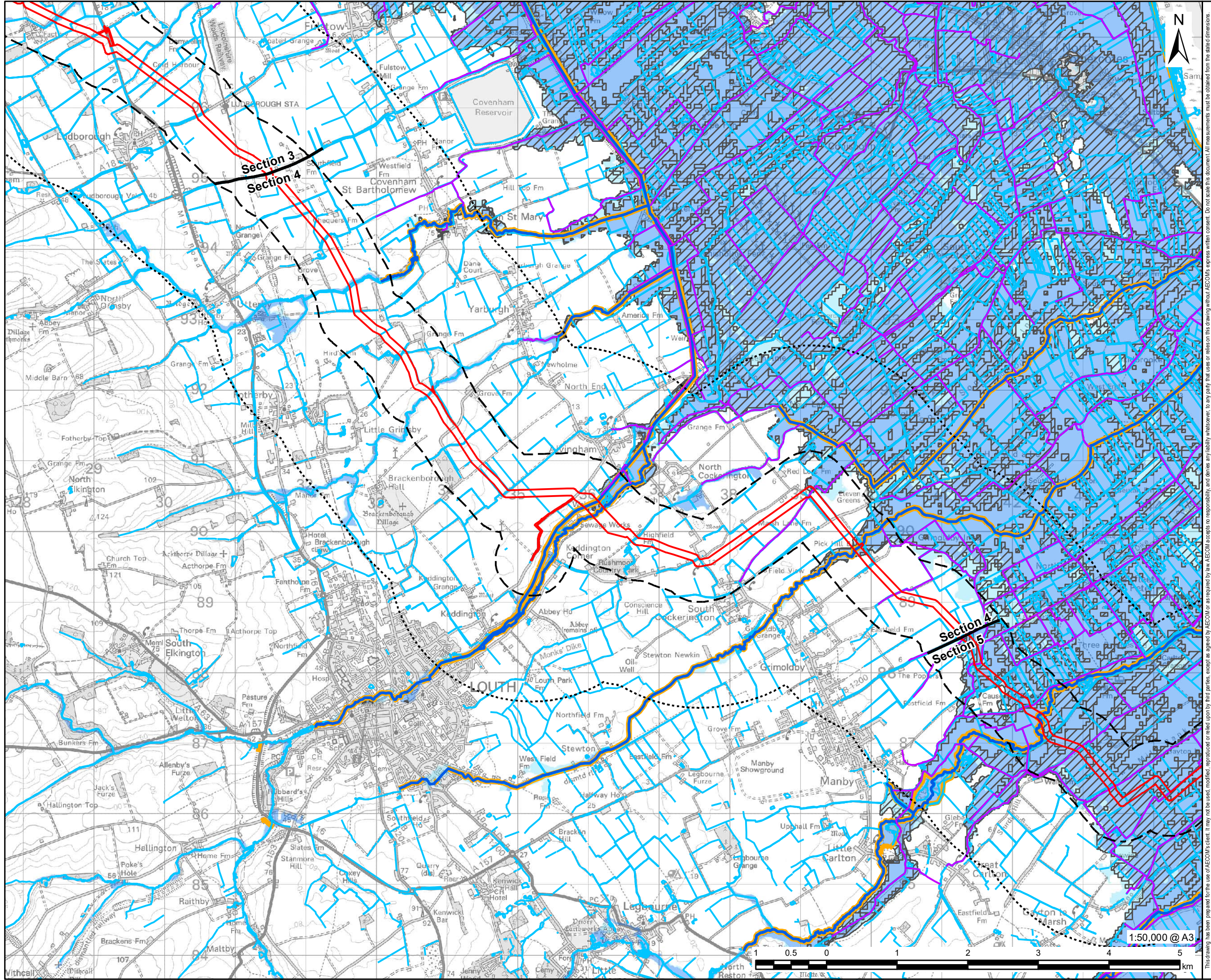
Environment Agency Fluvial and Tidal Flood Risk

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231004_ES_11-7





PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Ordinary Watercourse
- IDB Maintained Watercourse
- EA Main River
- Flood Defence
- Reduction in Risk of Flooding from Rivers and Sea due to Defences
- Flood Zone 2
- Flood Zone 3

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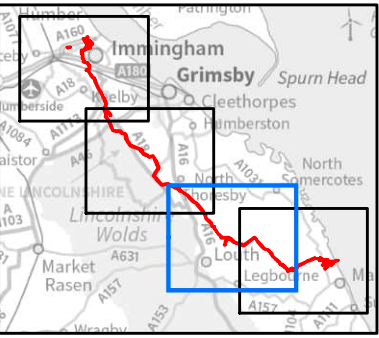


FIGURE TITLE

Figure 11-7 (3 of 4)

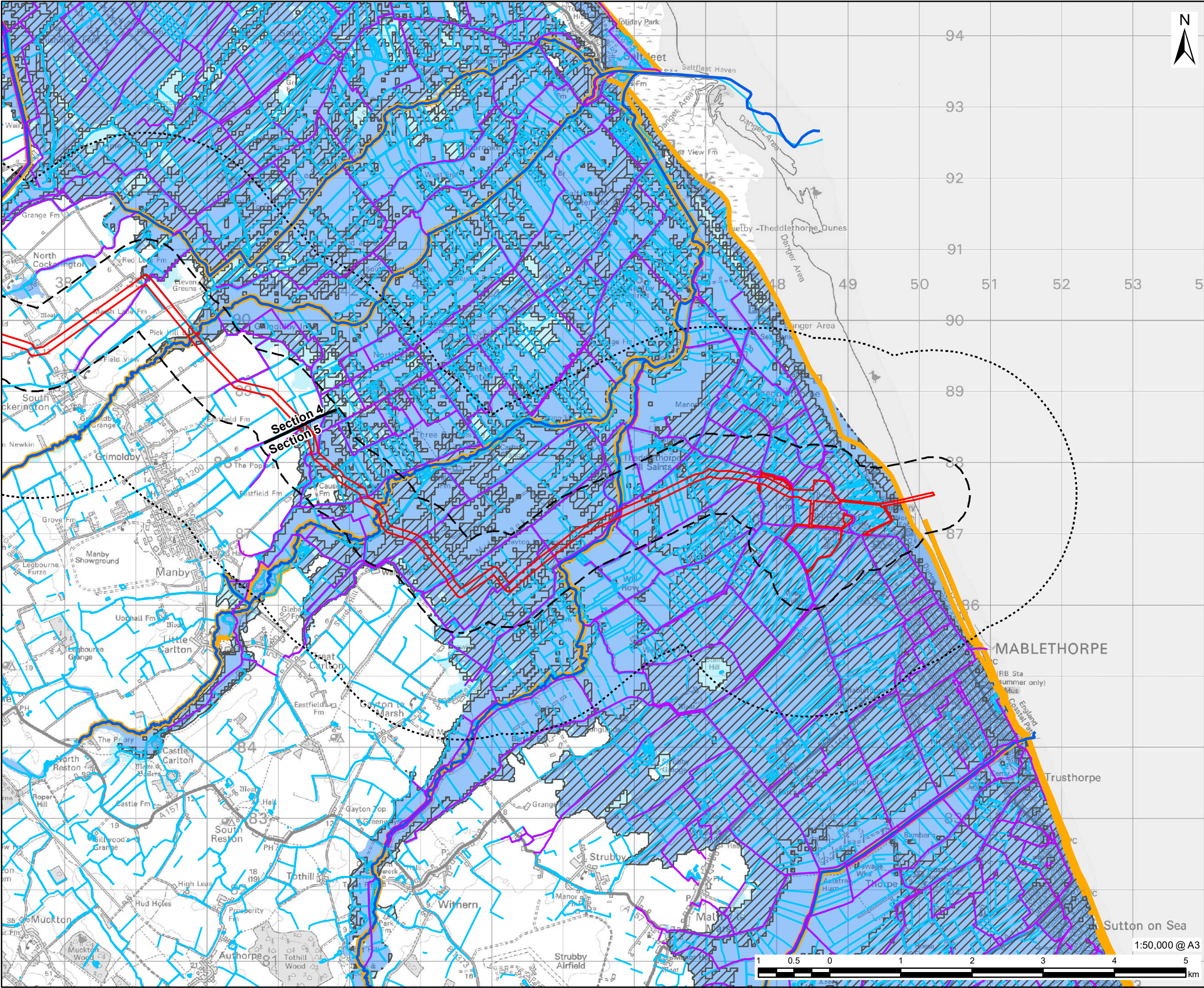
Environment Agency Fluvial and Tidal Flood Risk

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231004_ES_11-7



- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Ordinary Watercourse
- IDB Maintained Watercourse
- EA Main River
- Flood Defence
- Reduction in Risk of Flooding from Rivers and Sea due to Defences
- Flood Zone 2
- Flood Zone 3

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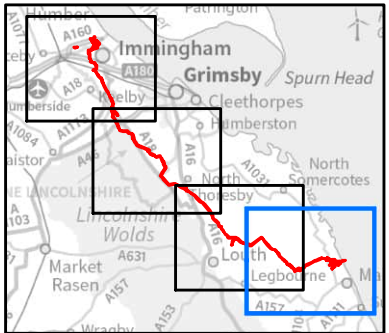
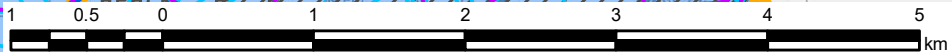
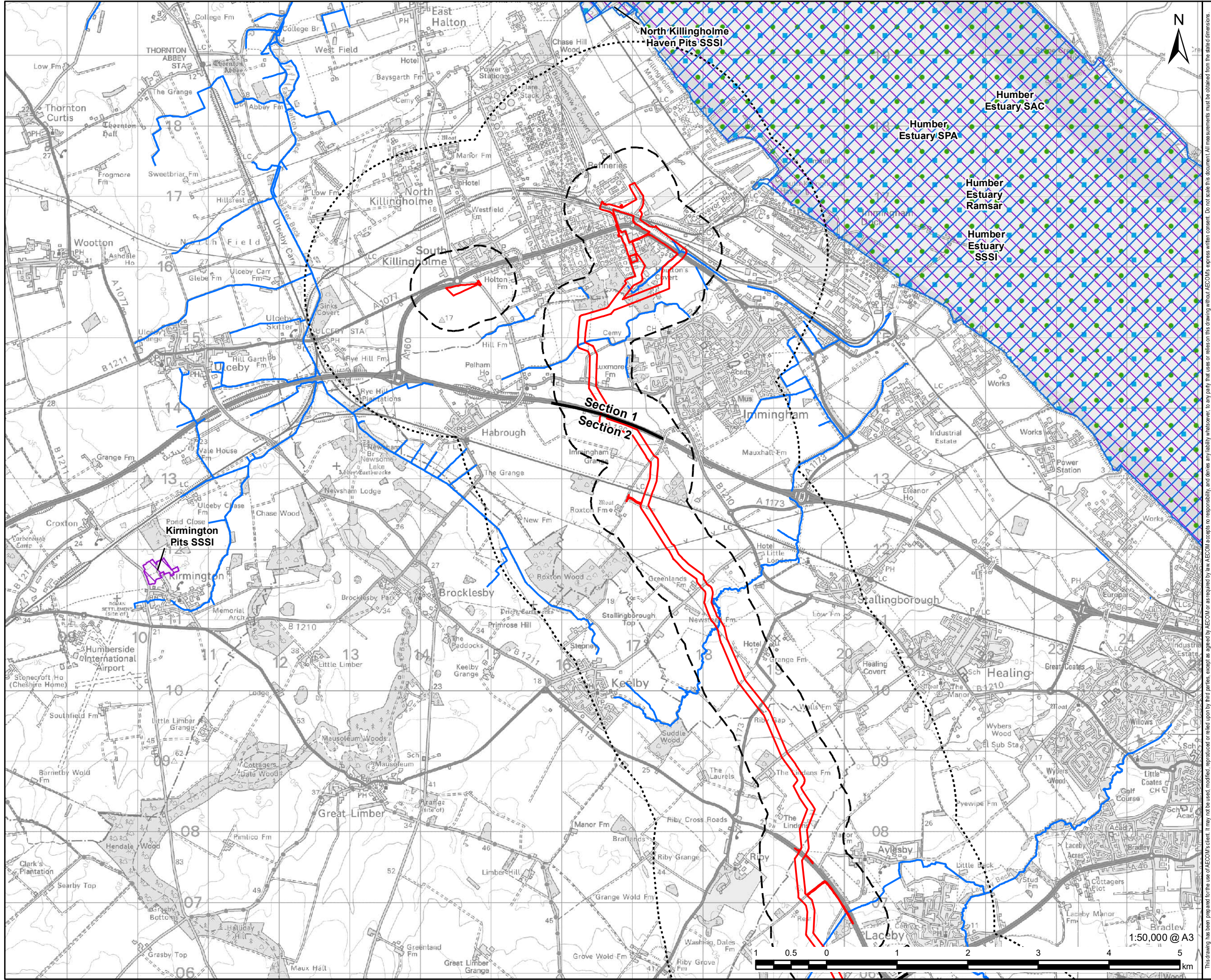


FIGURE TITLE
Figure 11-7 (4 of 4)
Environment Agency Fluvial and Tidal Flood Risk





VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 500m Study Area
- 2km Study Area
- Route Section Break
- Chalk River
- Ramsar
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)

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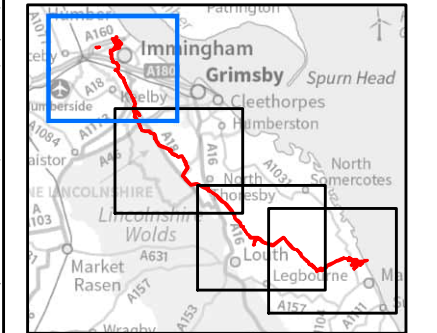


FIGURE TITLE

Figure 11-9 (1 of 4)

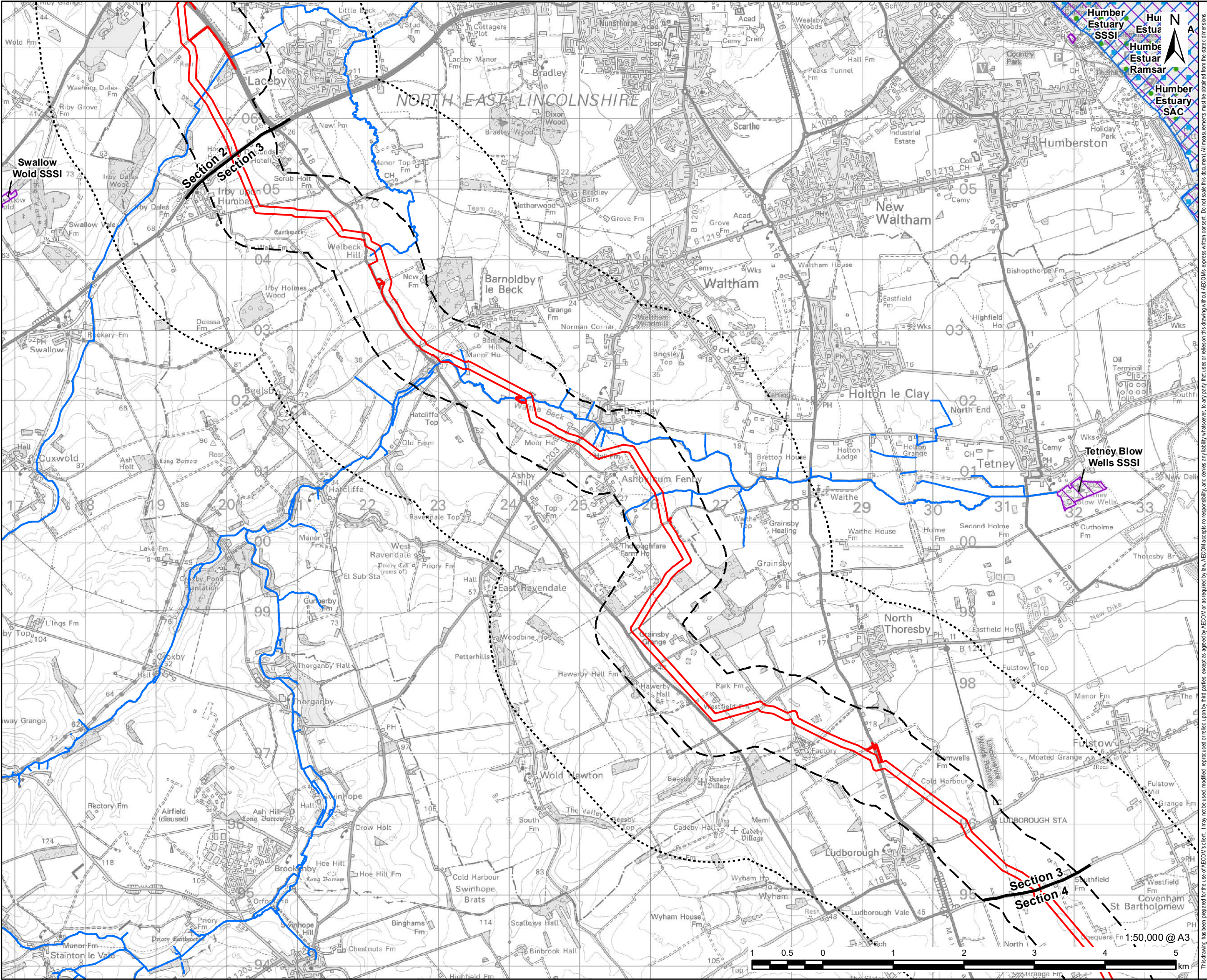
Statutory Designated Sites

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-9



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PROJECT

Viking CCS Pipeline

LEGEND

-  DCO Site Boundary
-  500m Study Area
-  2km Study Area
-  Route Section Break
-  Chalk River
-  Ramsar
-  Special Protection Area (SPA)
-  Special Area of Conservation (SAC)
-  Site of Special Scientific Interest (SSSI)

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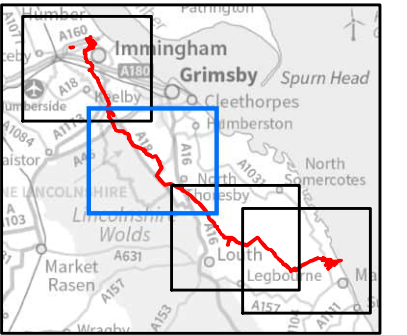


FIGURE TITLE

Figure 11-9 (2 of 4)

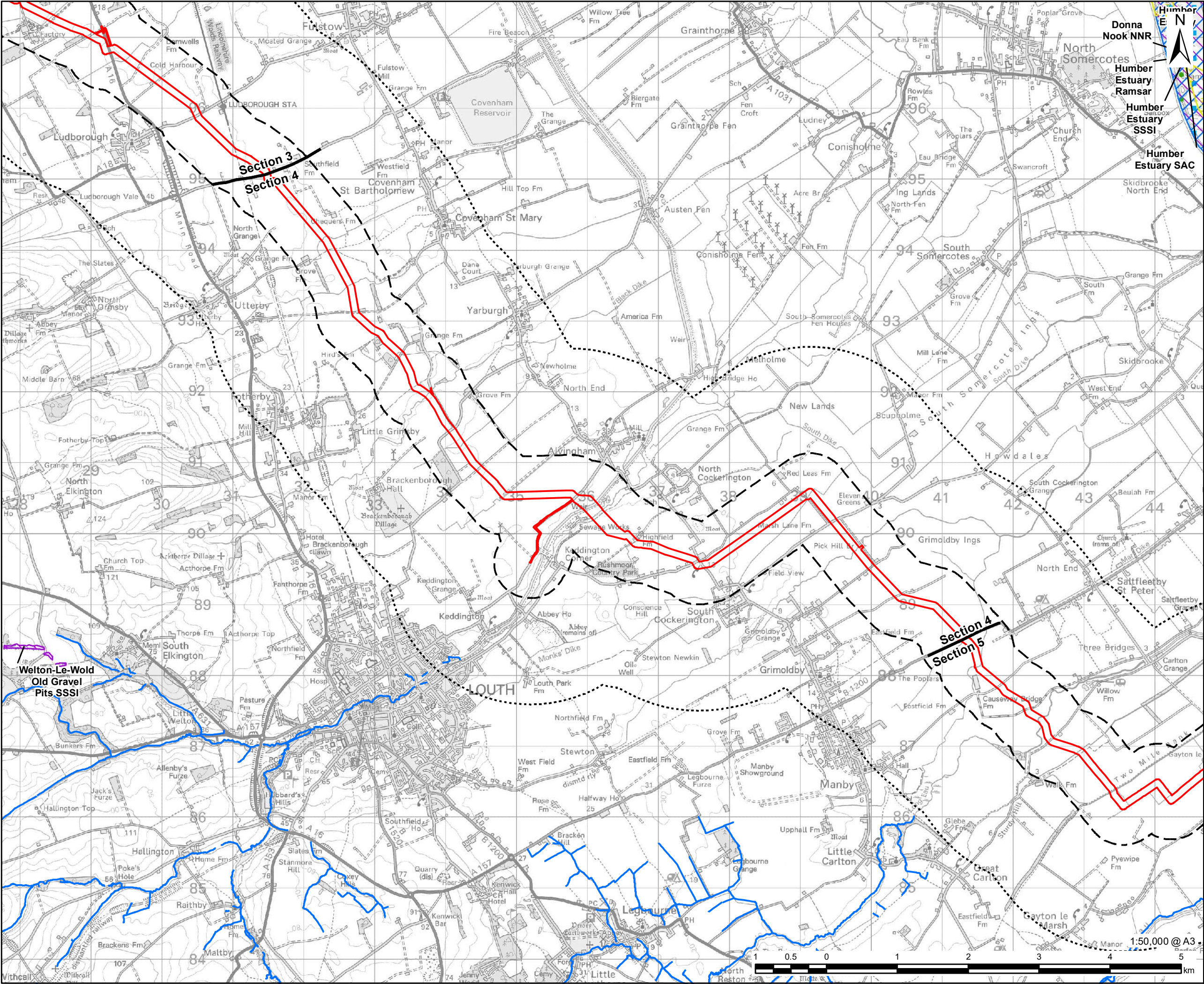
Statutory Designated Sites

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-9





PROJECT

Viking CCS Pipeline

LEGEND

 DCO Site Boundary

 500m Study Area

 2km Study Area

 Route Section Break

 Chalk River

 Ramsar

 Special Protection Area (SPA)

 Special Area of Conservation (SAC)

 Site of Special Scientific Interest (SSSI)

 National Nature Reserve (NNR)

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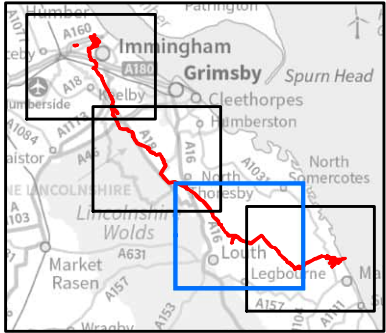


FIGURE TITLE

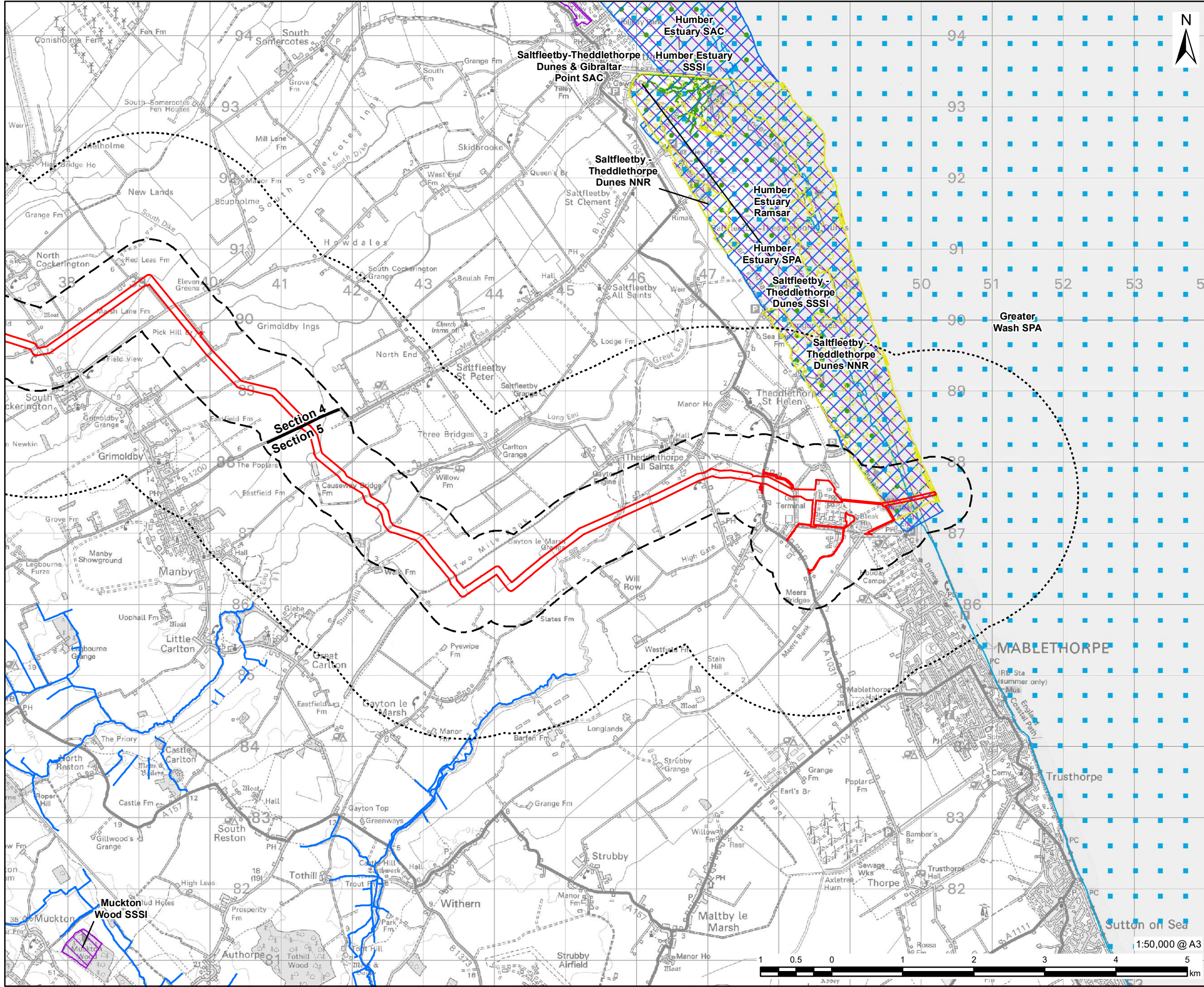
Figure 11-9 (3 of 4)
Statutory Designated Sites

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-9





PROJECT

Viking CCS Pipeline

LEGEND

 DCO Site Boundary

 500m Study Area

 2km Study Area

 Route Section Break

 Chalk River

 Ramsar

 Special Protection Area (SPA)

 Special Area of Conservation (SAC)

 Site of Special Scientific Interest (SSSI)

 National Nature Reserve (NNR)

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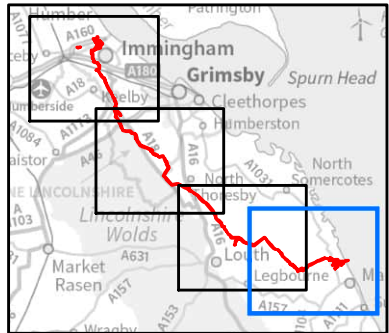


FIGURE TITLE

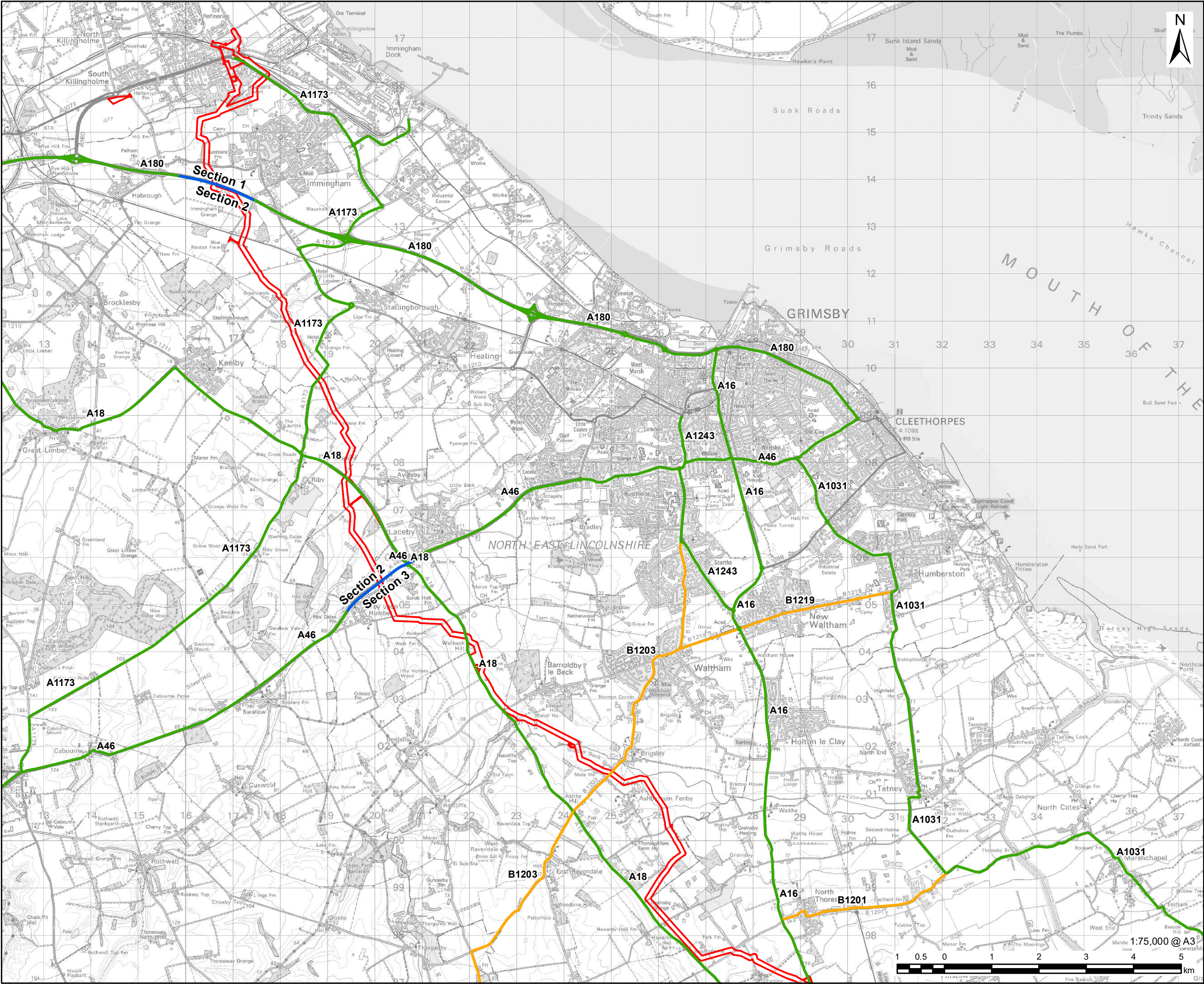
Figure 11-9 (4 of 4)
Statutory Designated Sites

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_11-9



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Route Section Break
- A Road
- B Road

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FIGURE TITLE

Figure 12-1 (1 of 2)

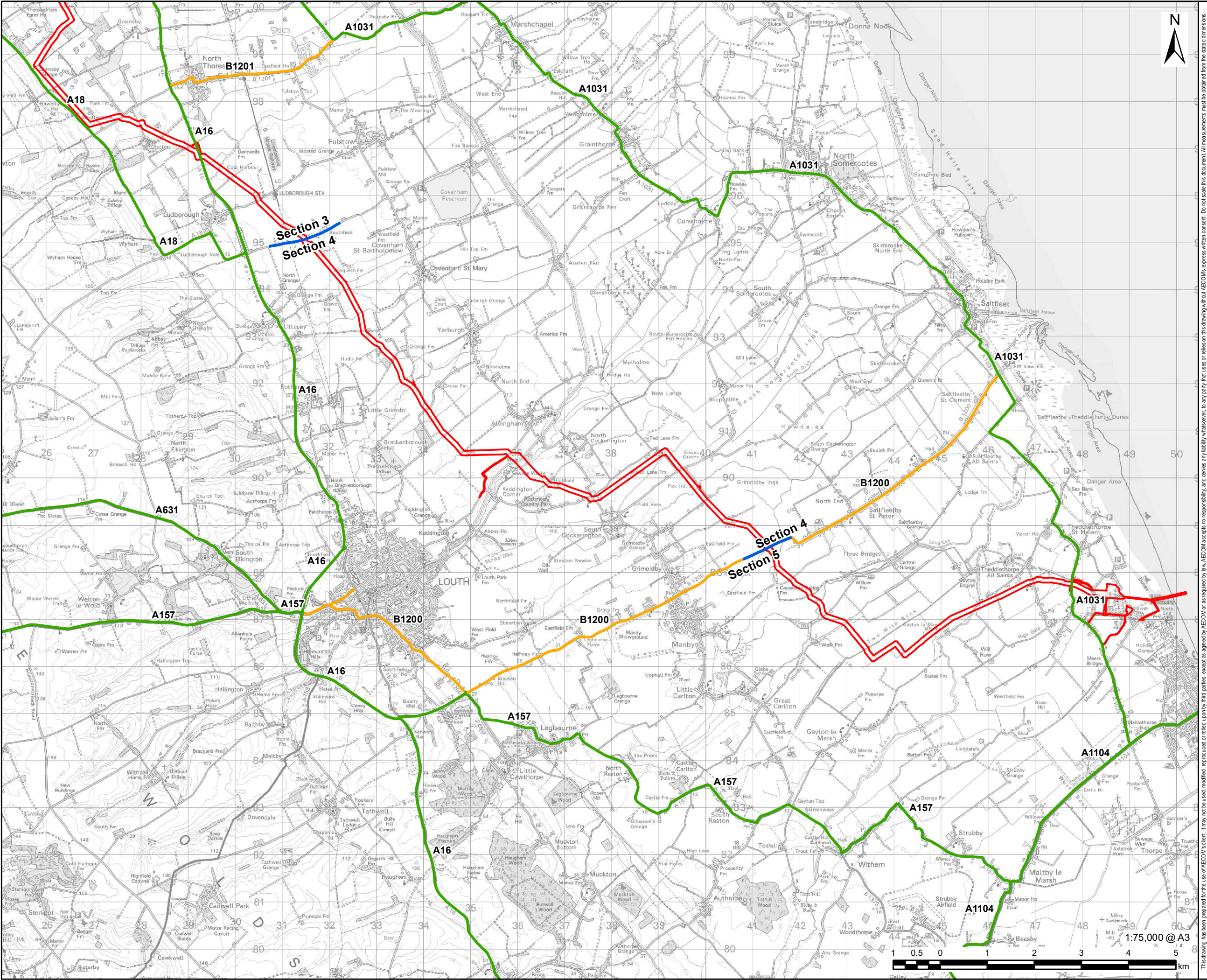
Key Highway Links

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231006_ES_12-1





PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

Route Section Break

A Road

B Road

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FIGURE TITLE

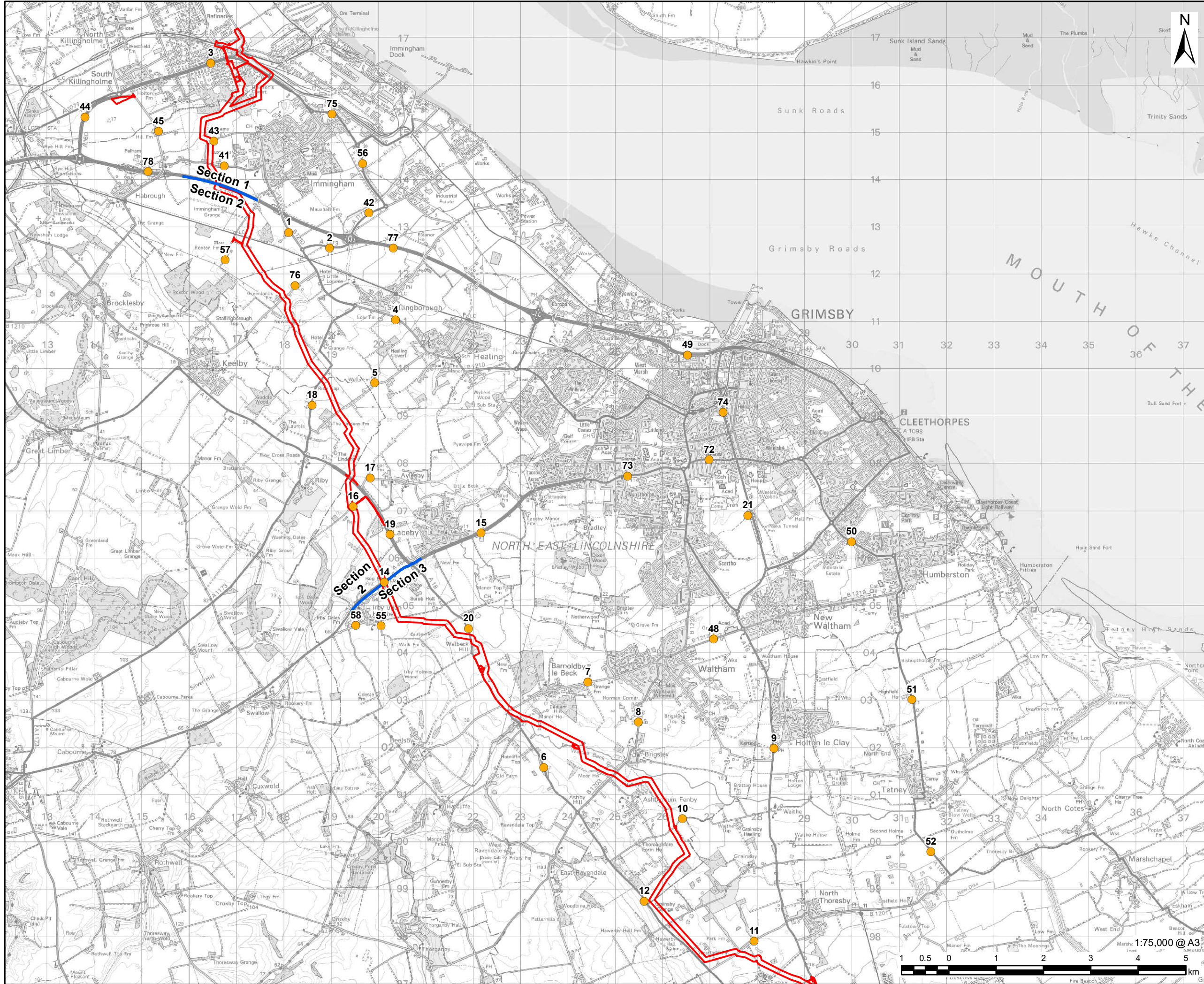
Figure 12-1 (2 of 2)
Key Highway Links

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231006_ES_12-1



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Route Section Break
- ATC Location

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FIGURE TITLE

Figure 12-2 (1 of 2)

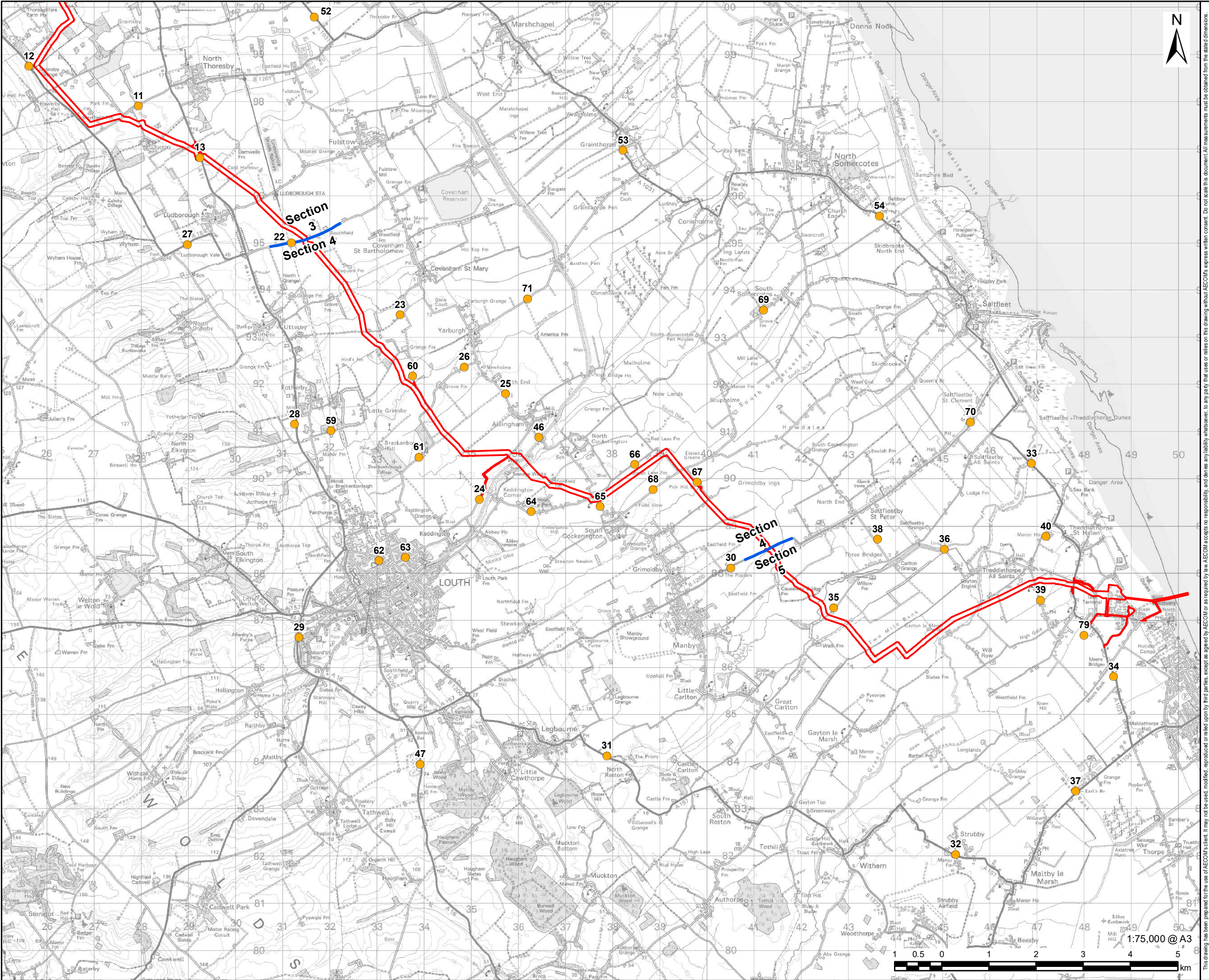
ATC Locations

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231006_ES_12-2



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Route Section Break
- ATC Location

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FIGURE TITLE

Figure 12-2 (2 of 2)

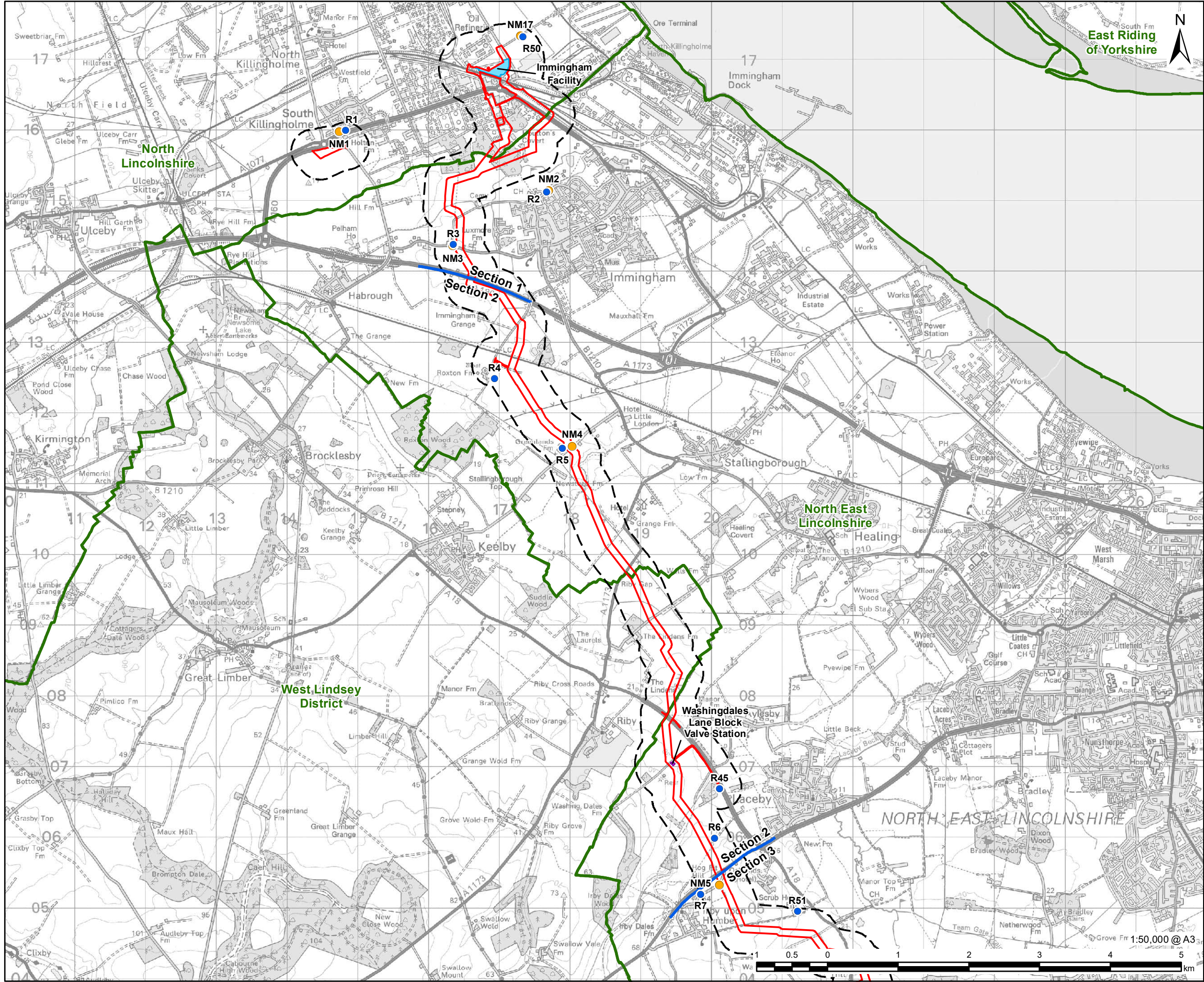
ATC Locations

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231006_ES_12-2



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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Study Area
- Route Section Break
- Receptor Location
- Noise Monitoring Location
- Block Valve Station
- Immingham Facility
- District Boundary (OS)

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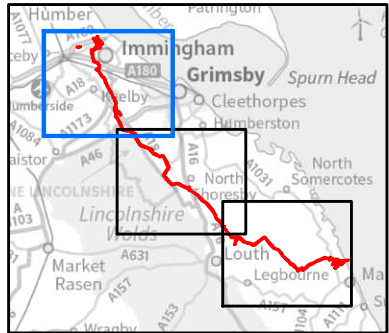


FIGURE TITLE

Figure 13-1 (1 of 3)

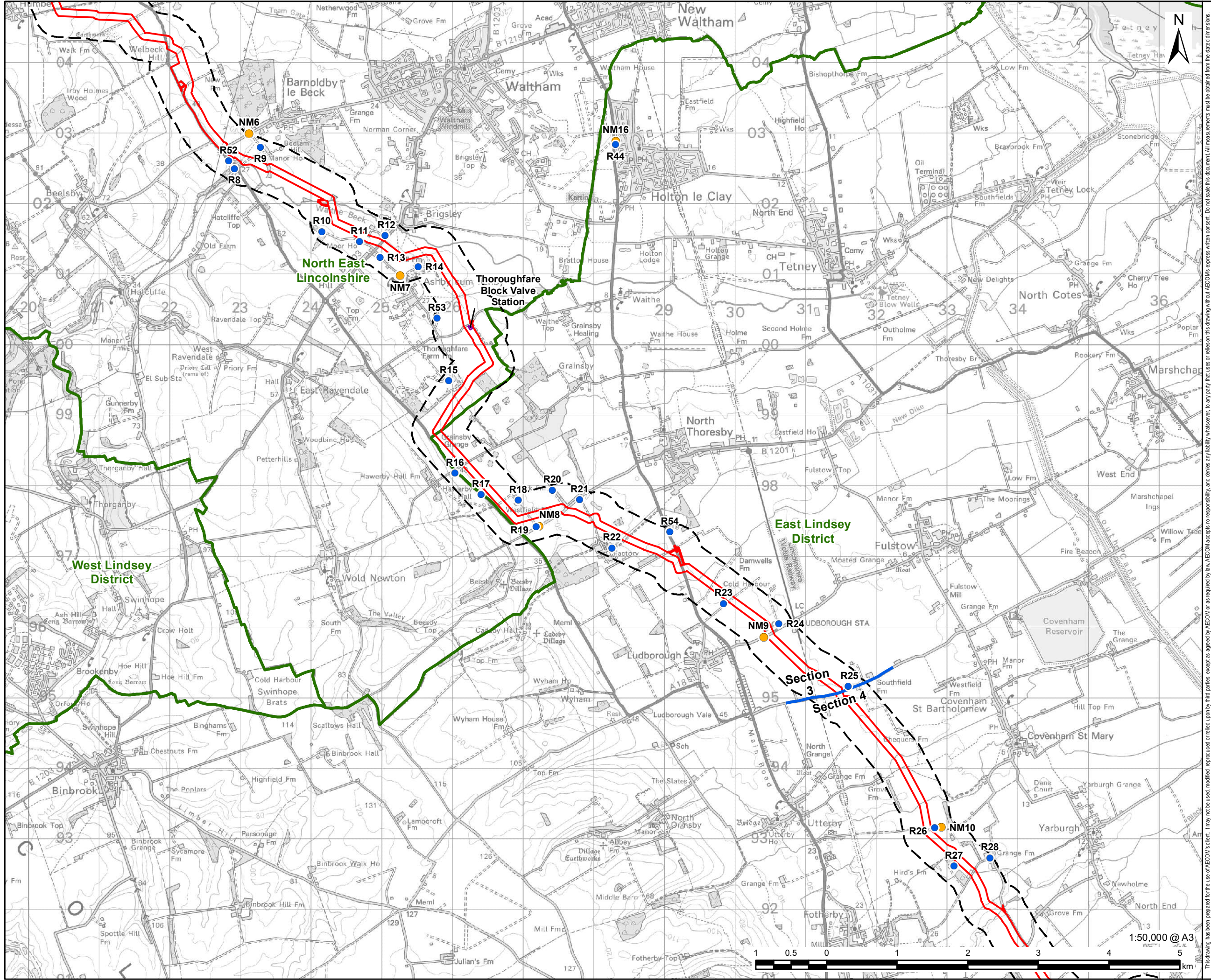
Receptors and Noise Monitoring Locations

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231003_ES_13-1



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Study Area
- Route Section Break
- Receptor Location
- Noise Monitoring Location
- Block Valve Station
- District Boundary (OS)

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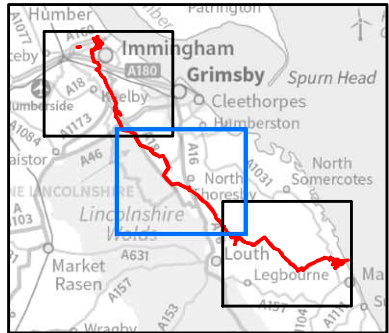


FIGURE TITLE

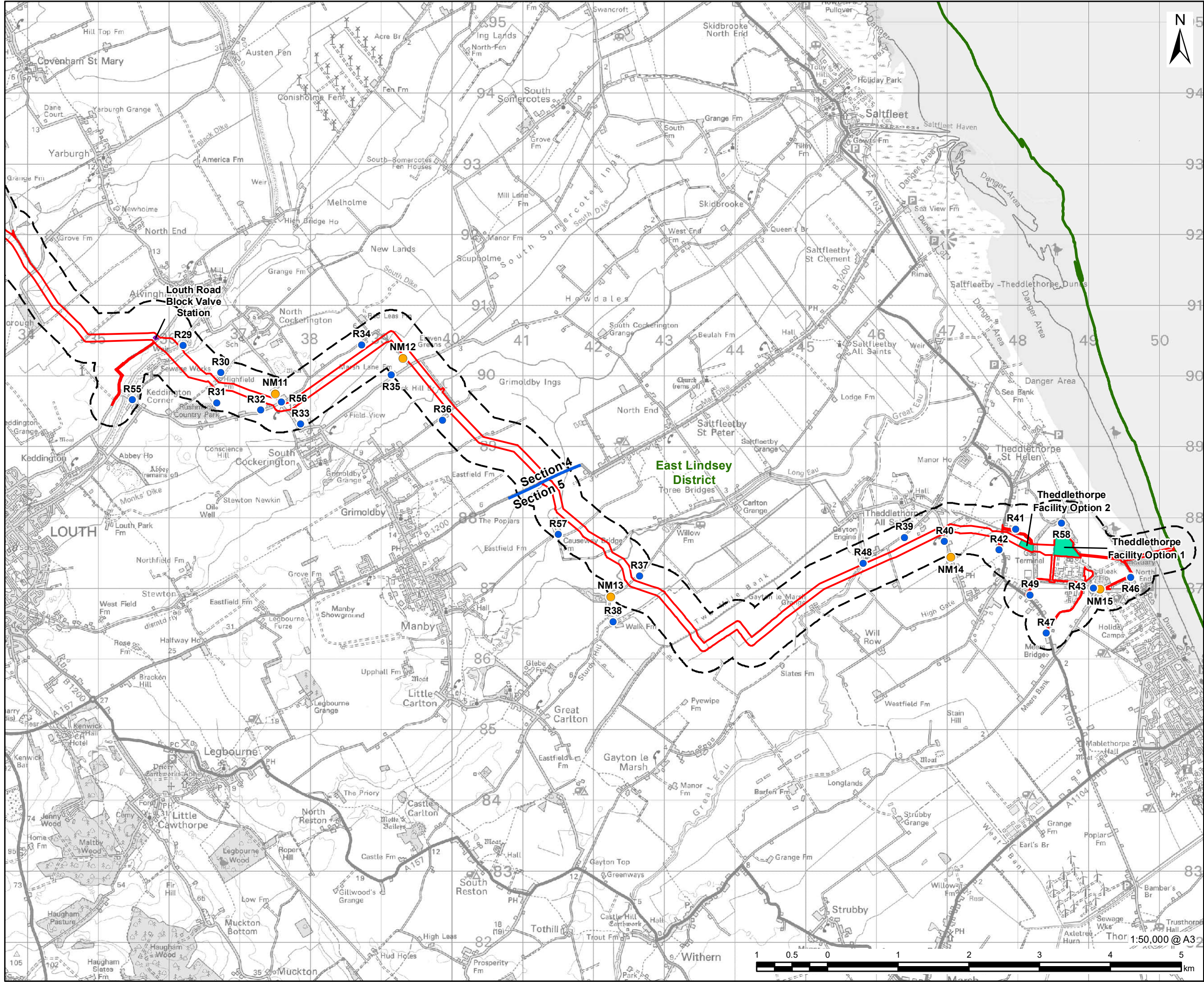
Figure 13-1 (2 of 3)
Receptors and Noise Monitoring Locations

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231003_ES_13-1





PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

Study Area

Route Section Break

Receptor Location

Noise Monitoring Location

Block Valve Station

Theddlethorpe Facility

District Boundary (OS)

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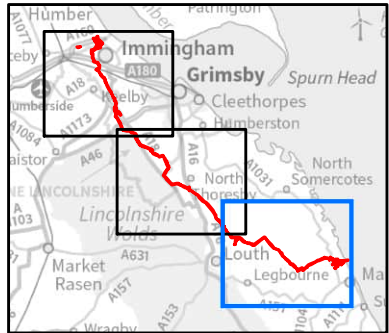


FIGURE TITLE

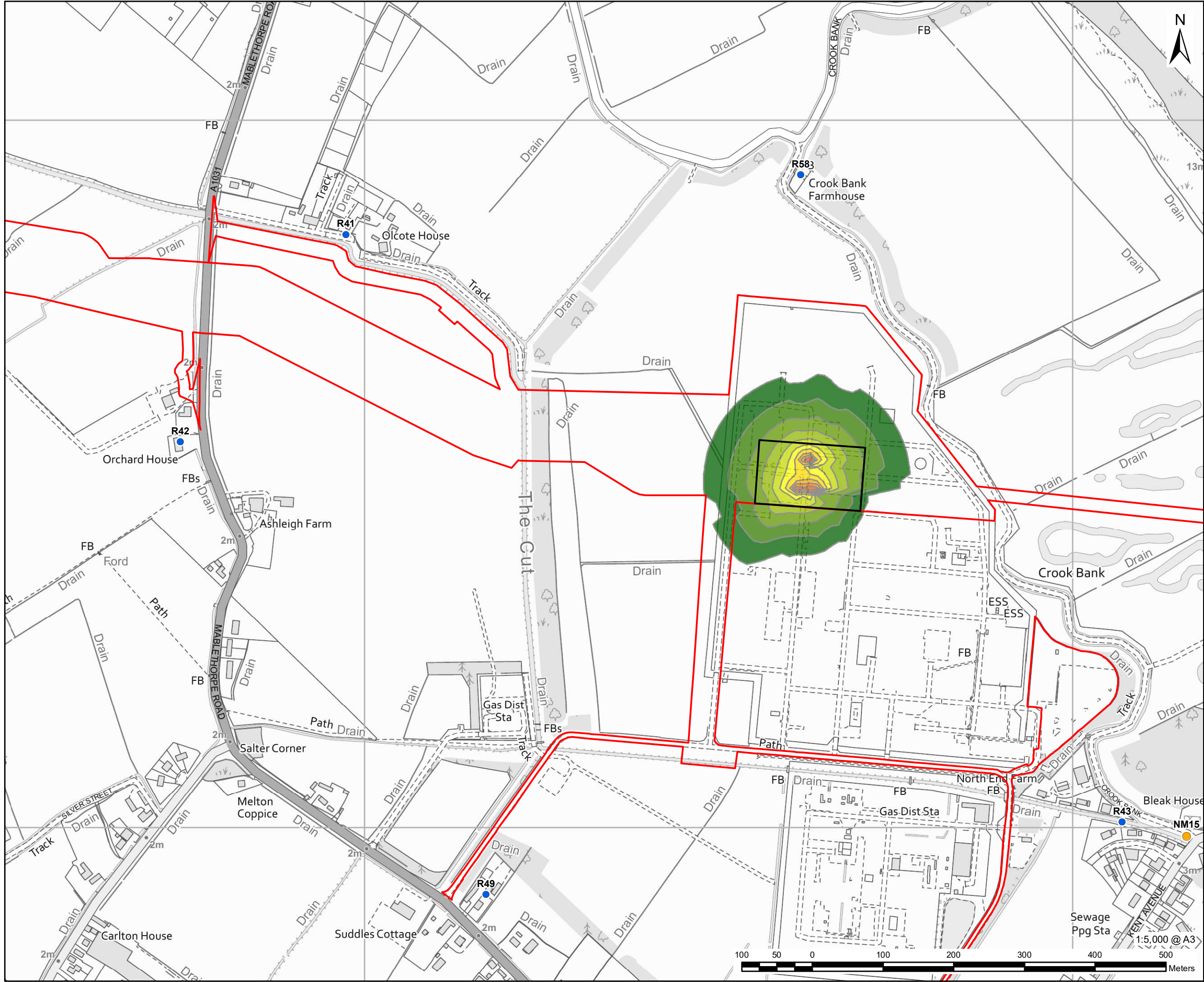
Figure 13-1 (3 of 3)
Receptors and Noise Monitoring Locations

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

6068955 / VCCS_231003_ES_13-1



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VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Theddlethorpe Facility - Option 1
- Receptor Location
- Noise Monitoring Location

Equivalent noise level 1.5m above ground - dB(A)

- 30 - 30.25
- 32.5 - 35
- 35 - 37.5
- 37.5 - 40
- 40 - 42.5
- 42.5 - 45
- 45 - 47.5
- 47.5 - 50
- 50 - 52.5
- 52.5 - 55

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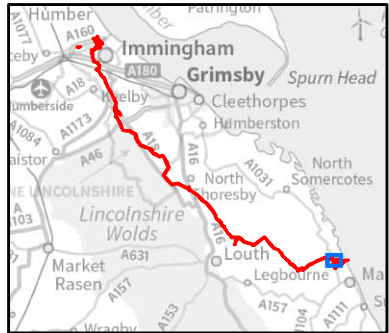


FIGURE TITLE

Figure 13-2
Theddlethorpe Option 1 -
Operational Noise Assessment

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_231003_ES_13-2



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PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

Theddlethorpe Facility - Option 2

Receptor Location

Noise Monitoring Location

Equivalent noise level 1.5m above ground - (dB(A))

30 - 30.25

32.5 - 35

35 - 37.5

37.5 - 40

40 - 42.5

42.5 - 45

45 - 47.5

47.5 - 50

50 - 52.5

52.5 - 55

55 - 57.5

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FIGURE TITLE

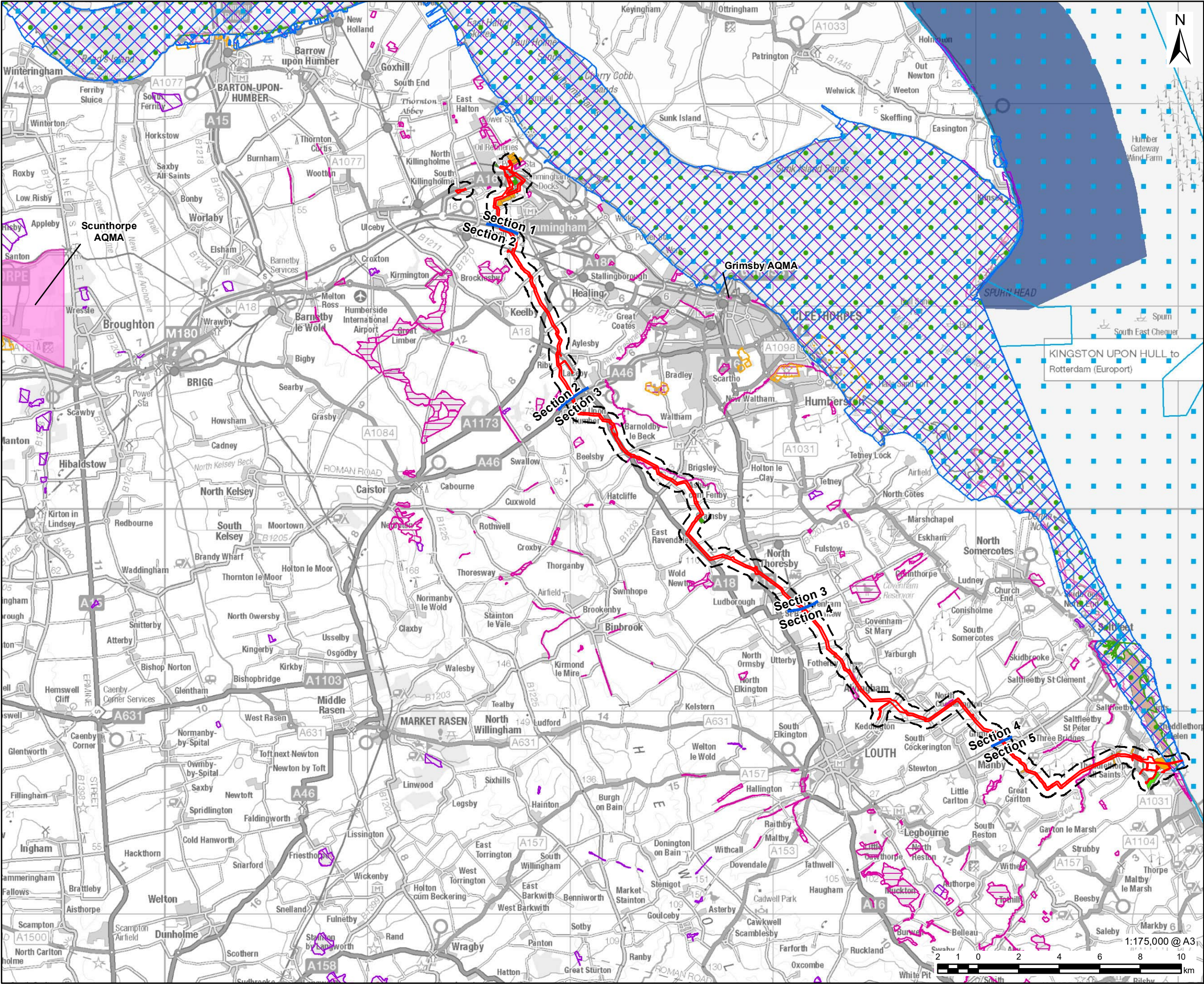
Figure 13-3
Theddlethorpe Option 2 -
Operational Noise Assessment

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

6068955 / VCCS_231023_ES_13-3



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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 350m Study Area
- Route Section Break
- Air Quality Management Area (AQMA)
- Ramsar
- Special Area of Conservation (SAC)
- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)
- Local Nature Reserve (LNR)
- National Nature Reserve (NNR)
- Marine Conservation Zone (MCZ)
- Local Wildlife Site
- Priority Habitat within 50m
- Coastal and floodplain grazing marsh
- Coastal sand dunes
- Deciduous woodland
- Good quality semi-improved grassland
- No main habitat but additional habitats present

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FIGURE TITLE

Figure 14-1

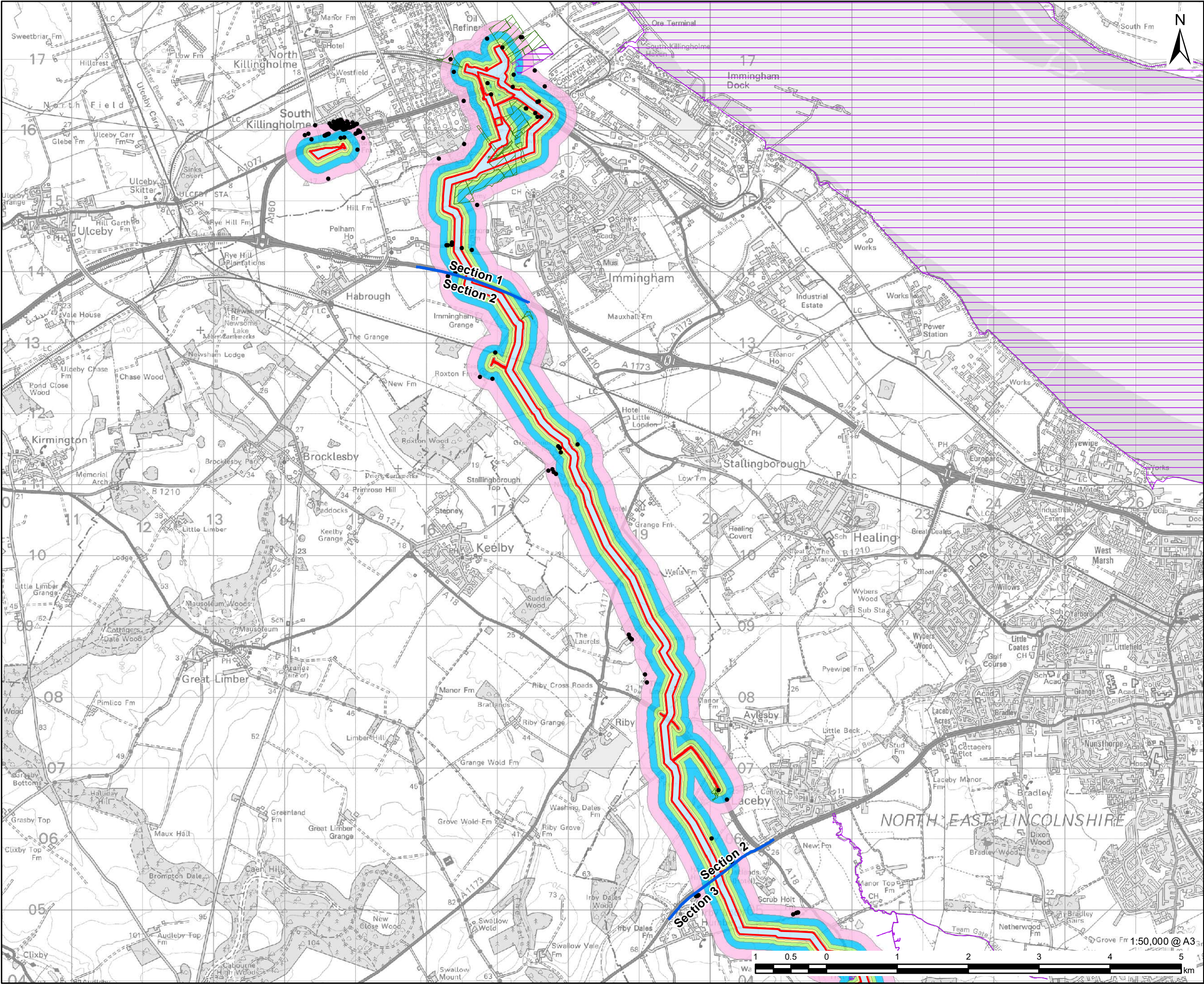
Air Quality Study Area and Constraints

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-1



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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Route Section Break
- Receptor Location
- Ecological Designated Site within 50m
- Priority Habitat within 50m

Construction Dust Assessment

- 0m - 20m Buffer
- 20m - 50m Buffer
- 50m - 100m Buffer
- 100m - 200m Buffer
- 200m - 350m Buffer

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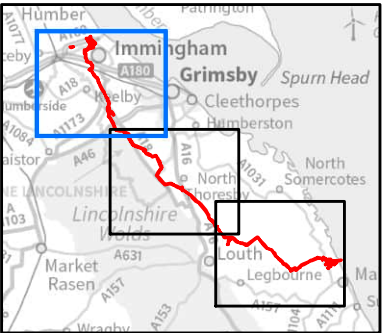


FIGURE TITLE

Figure 14-2 (1 of 3)

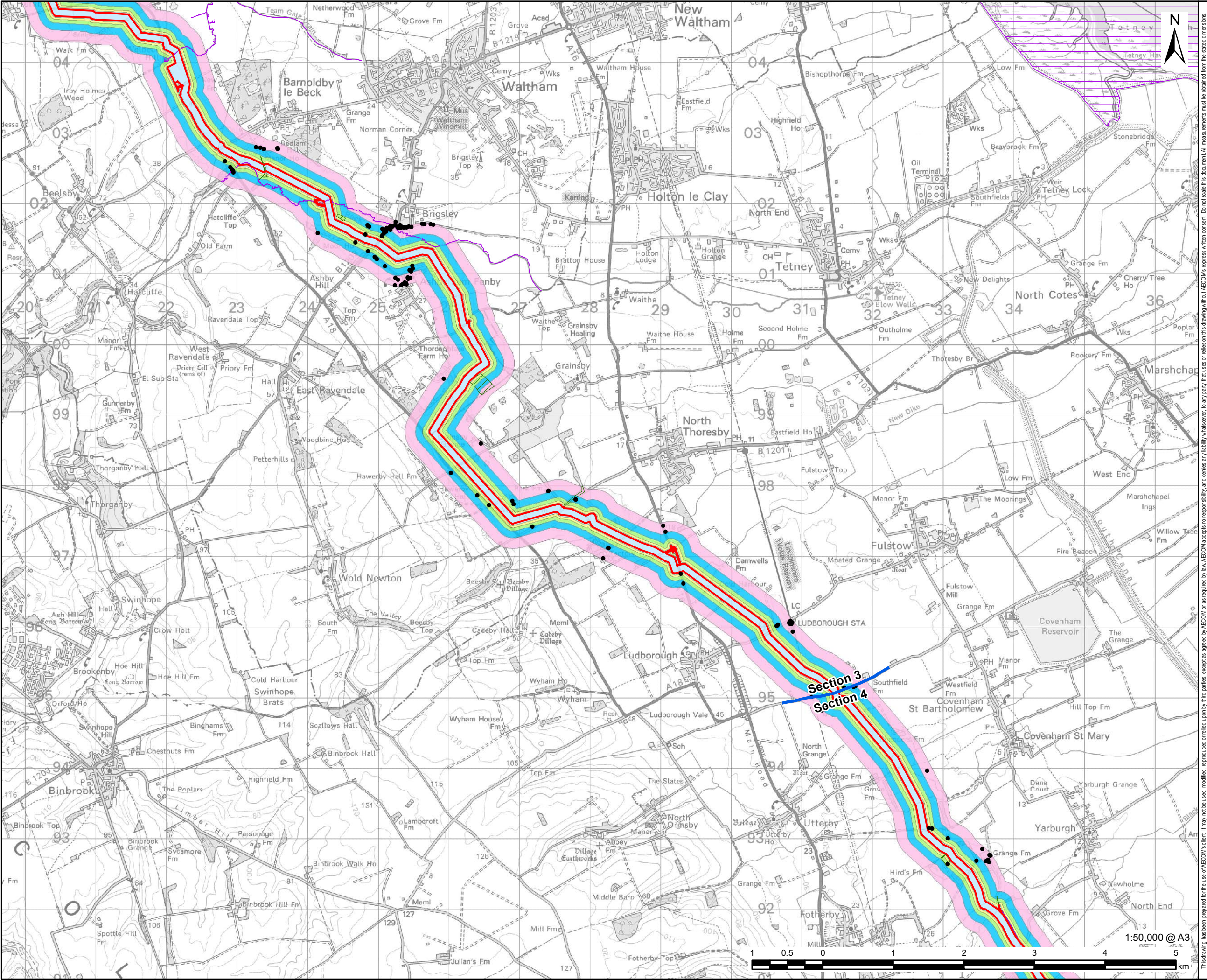
Construction Dust Assessment

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-2



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- Route Section Break
- Receptor Location
- Ecological Designated Site within 50m
- Priority Habitat within 50m
- Construction Dust Assessment
 - 0m - 20m Buffer
 - 20m - 50m Buffer
 - 50m - 100m Buffer
 - 100m - 200m Buffer
 - 200m - 350m Buffer

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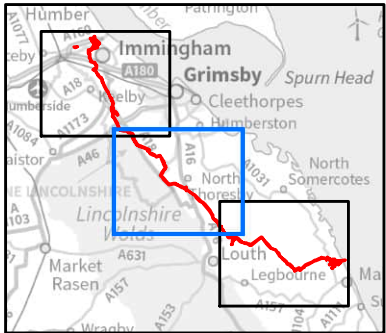


FIGURE TITLE

Figure 14-2 (2 of 3)

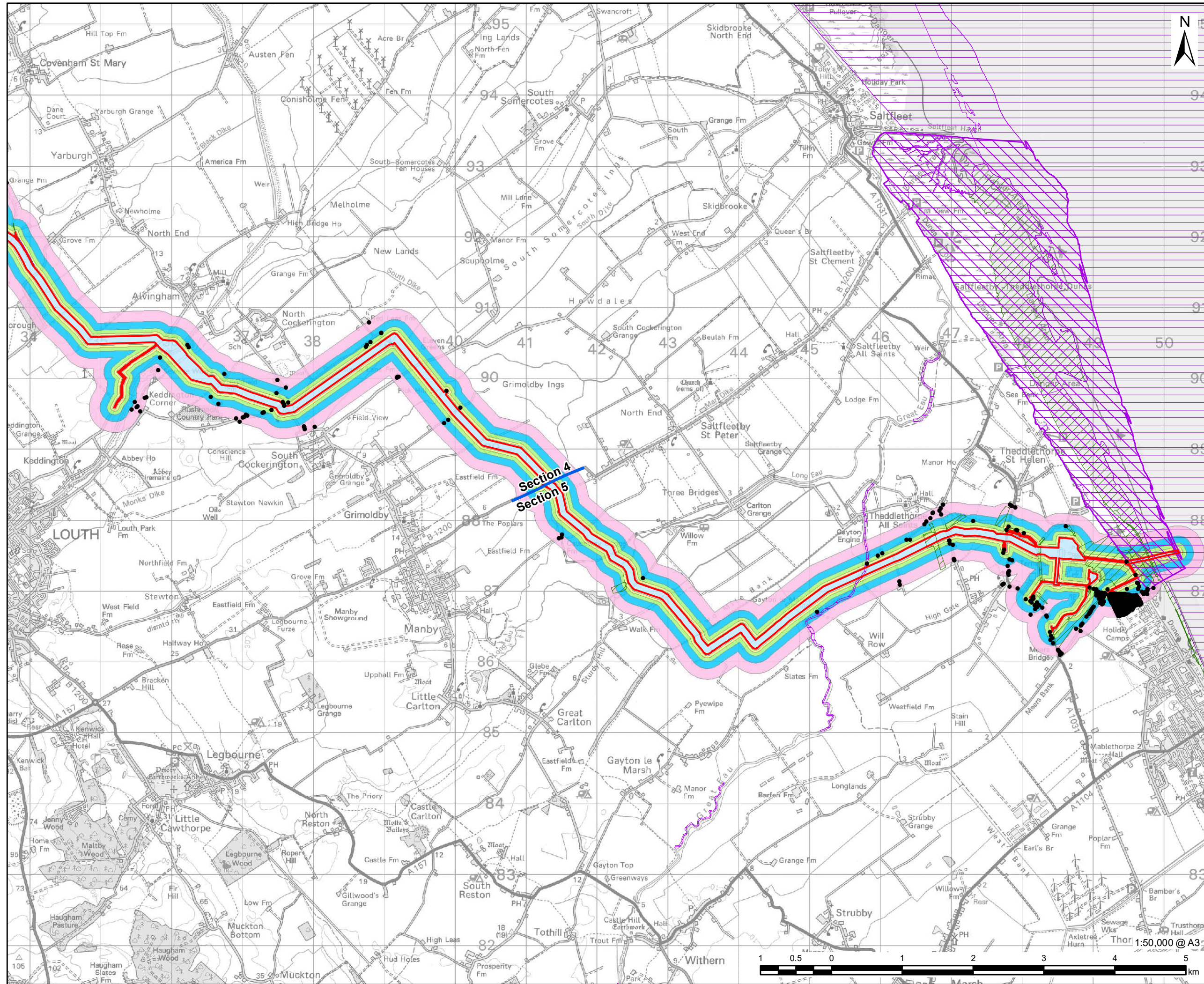
Construction Dust Assessment

ISSUE PURPOSE

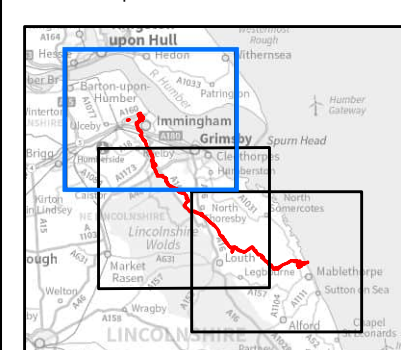
ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-2



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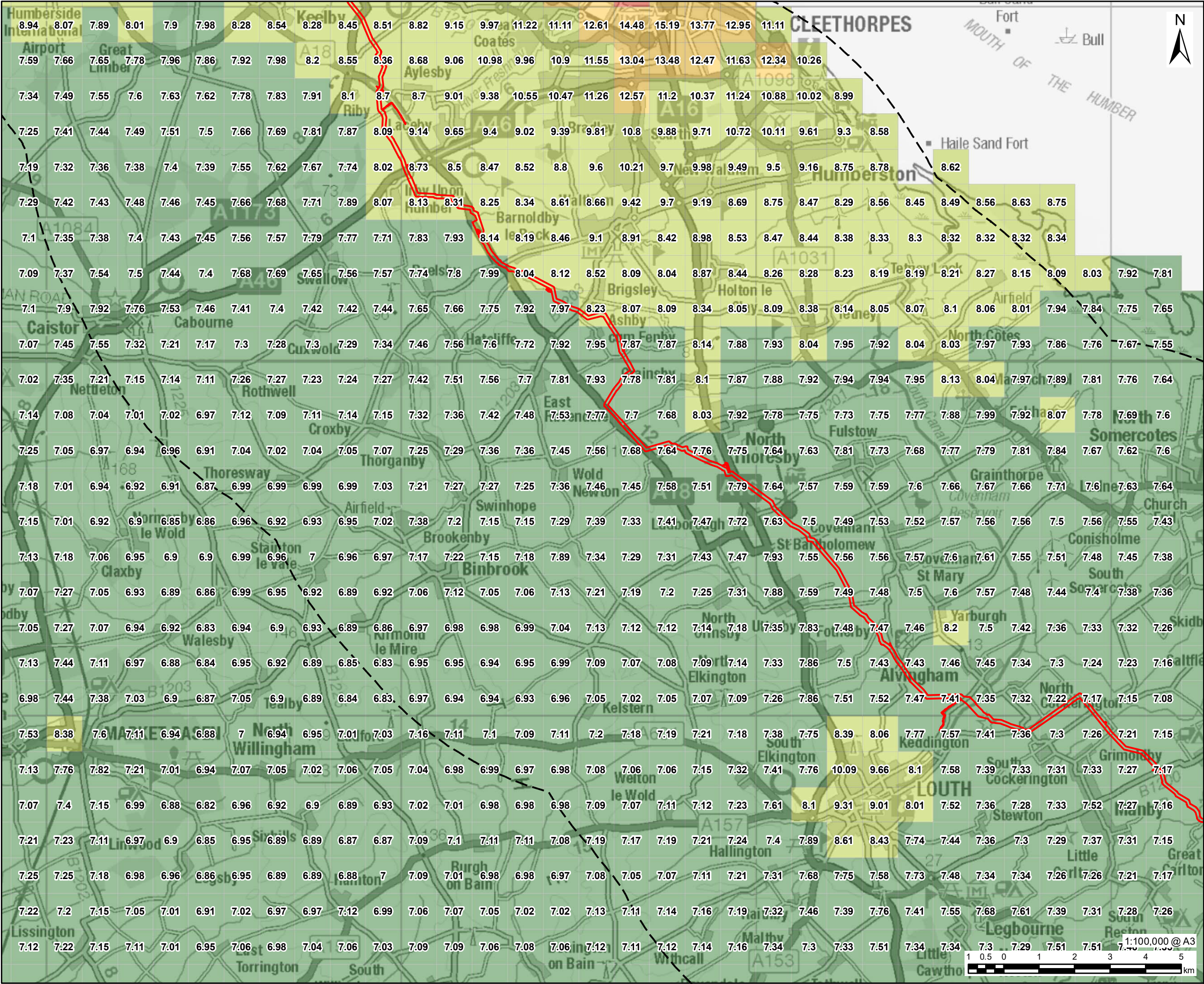


ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-3



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PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 10km Study Area
- Nitrogen Dioxide (NO₂) Background Concentration -2023 (µg/m³)
 - 4 - 8
 - 8 - 12
 - 12 - 20
 - 20 - 30

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FIGURE TITLE

Figure 14-3 (2 of 3)
Nitrogen Dioxide (NO₂) Background Concentrations (µg/m³)

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-3





PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

10km Study Area

Nitrogen Dioxide (NO₂) Background Concentration -2023 (µg/m³)

4 - 8

8 - 12

12 - 20

20 - 30

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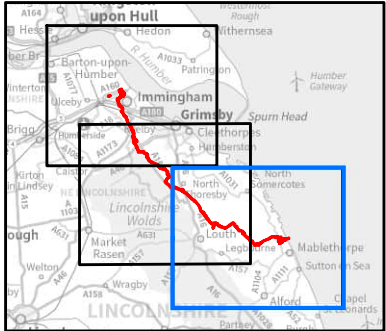


FIGURE TITLE

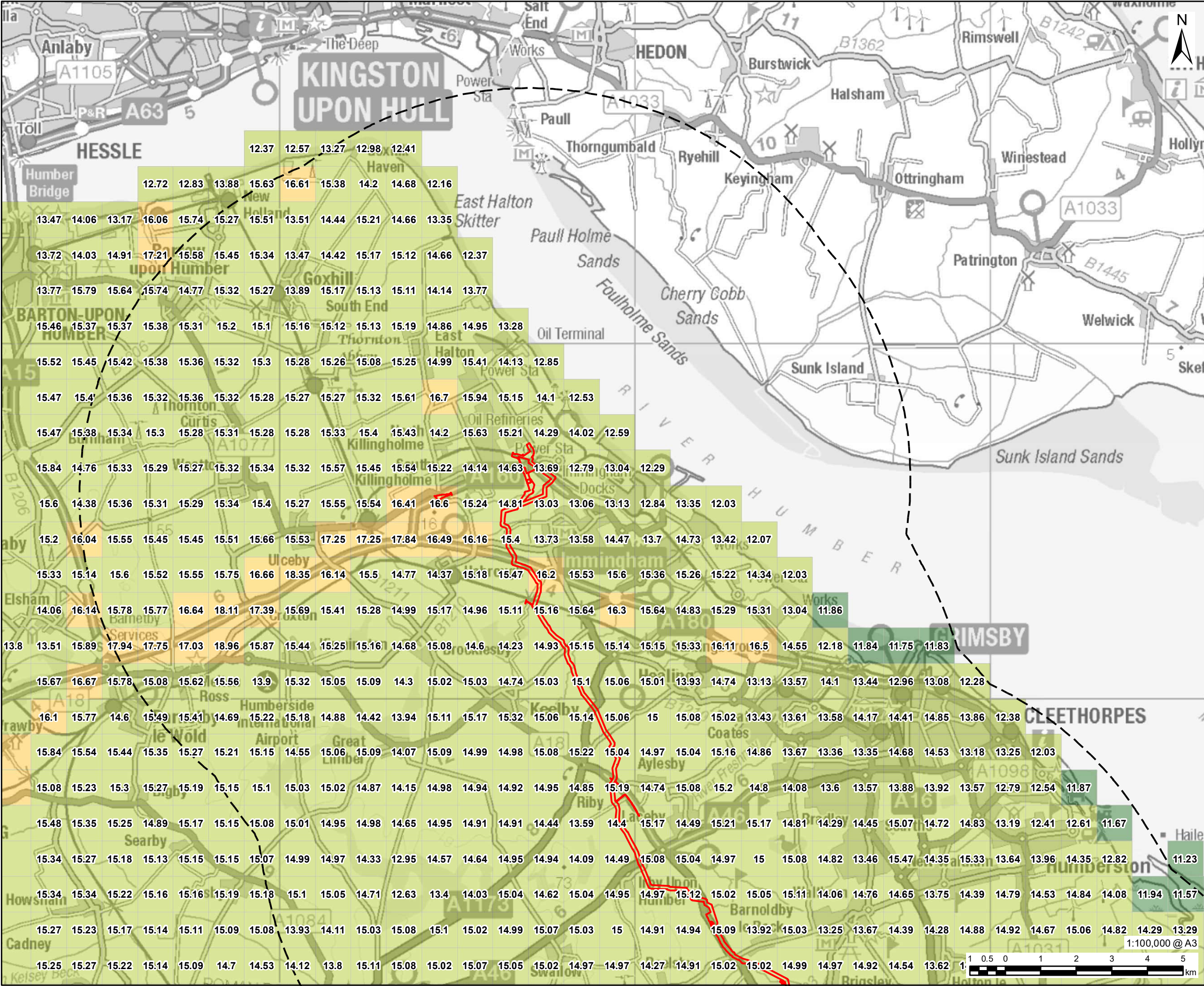
Figure 14-3 (3 of 3)
Nitrogen Dioxide (NO₂) Background Concentrations (µg/m³)

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

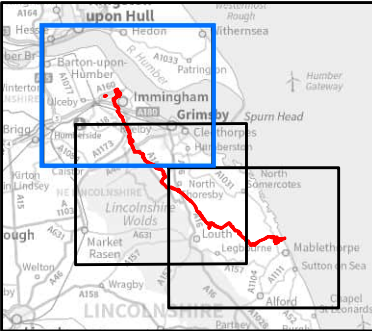
PROJECT NUMBER / REFERENCE

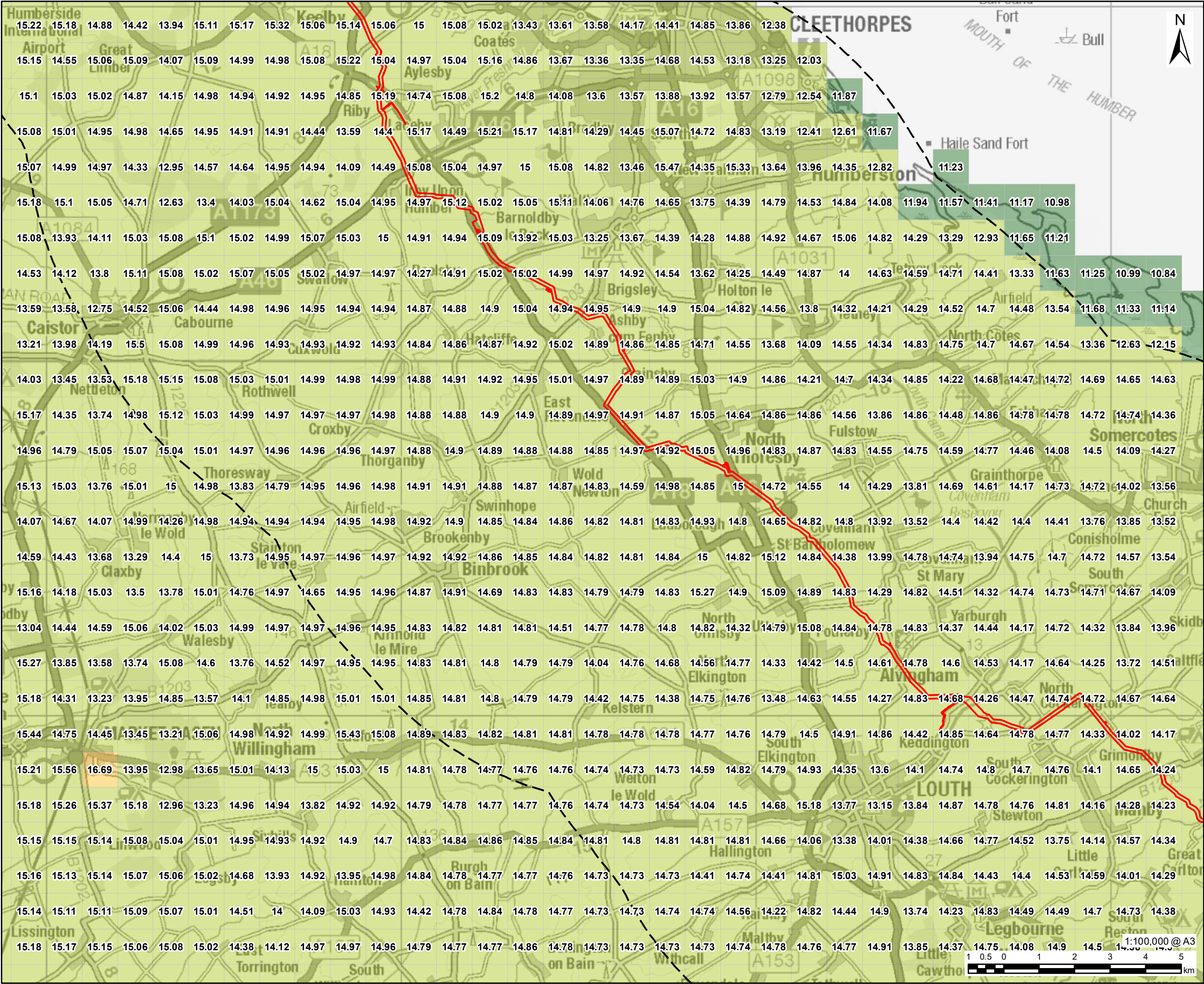
60668955 / VCCS_230914_ES_14-3



- DCO Site Boundary
- 10km Study
- PM₁₀ Background Concentration - 2023 (µg/m³)
- 8 - 12
- 12 - 16
- 16 - 20
- 20 - 24

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PROJECT

Viking CCS Pipeline

LEGEND

 DCO Site Boundary

 10km Study

 PM₁₀ Background Concentration - 2023 (µg/m³)

 8 - 12

 12 - 16

 16 - 20

 20 - 24

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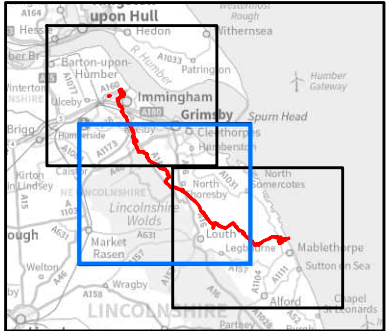


FIGURE TITLE

Figure 14-4 (2 of 3)

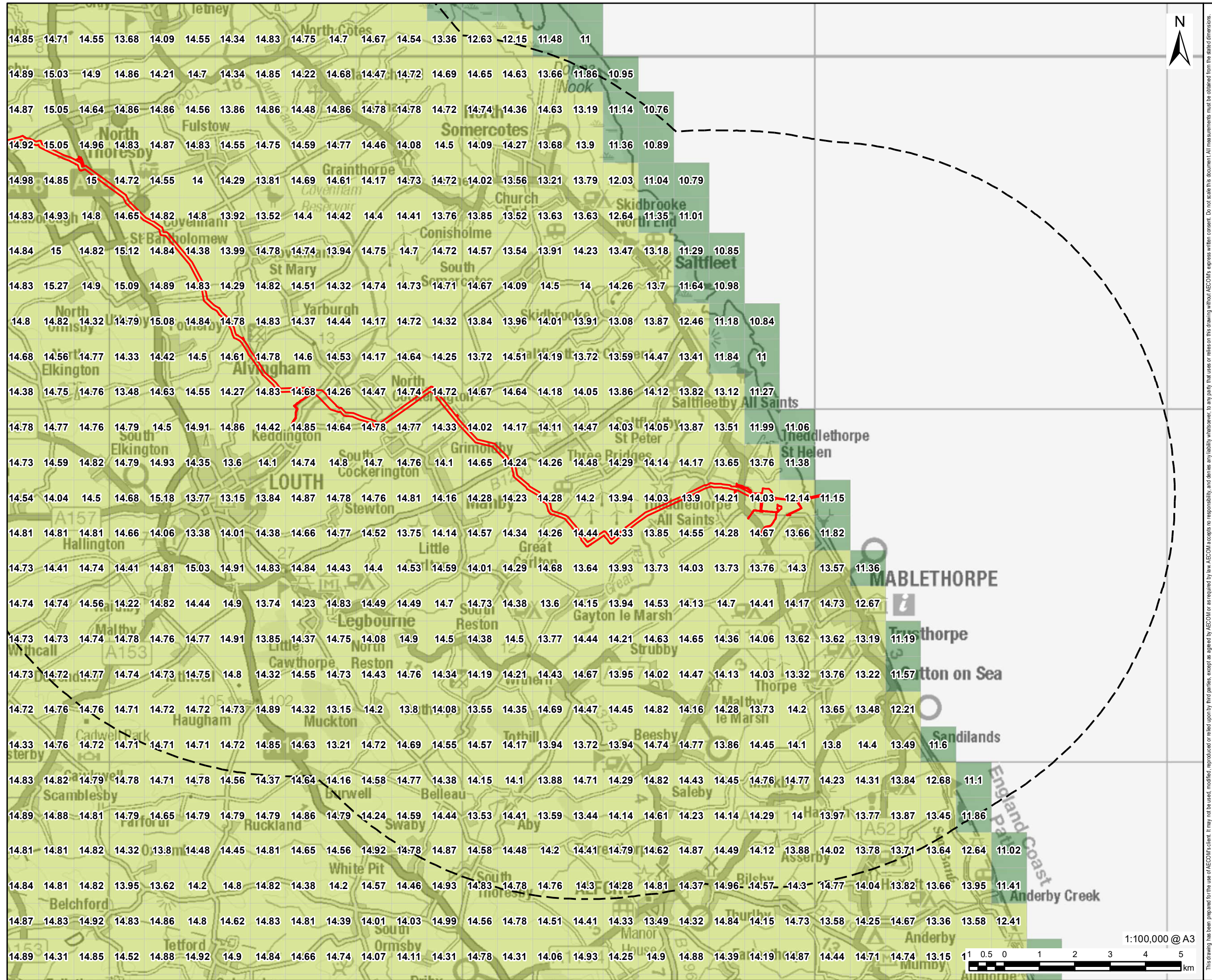
PM₁₀ Background Concentrations (µg/m³)

ISSUE PURPOSE

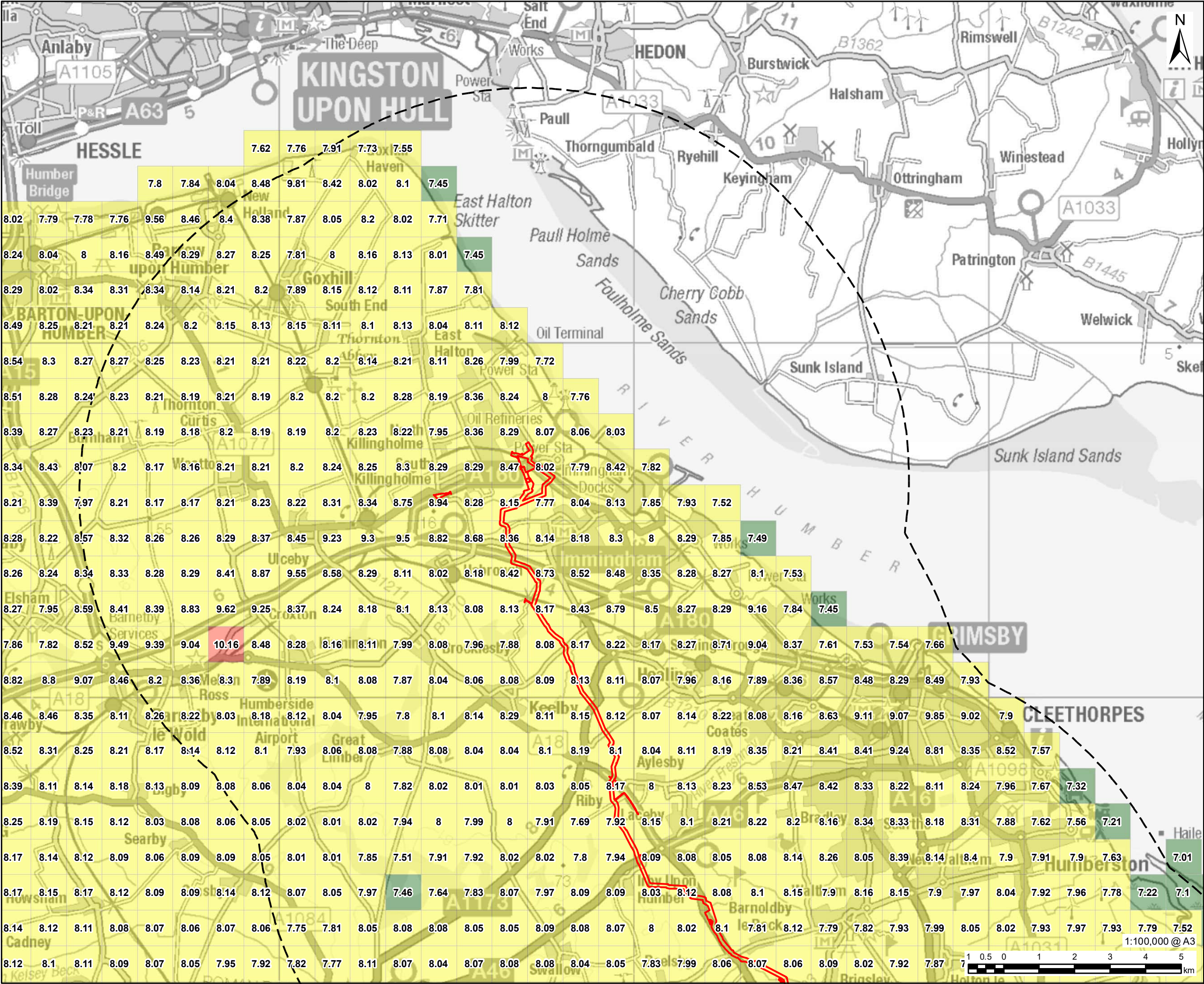
ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-4



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PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

10km Study

PM_{2.5} Background Concentration - 2023 (µg/m³)

5 - 7.5

7.5 - 10

10 - 12.5

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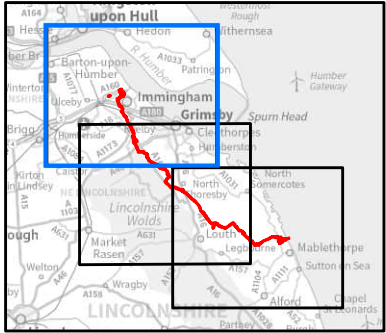


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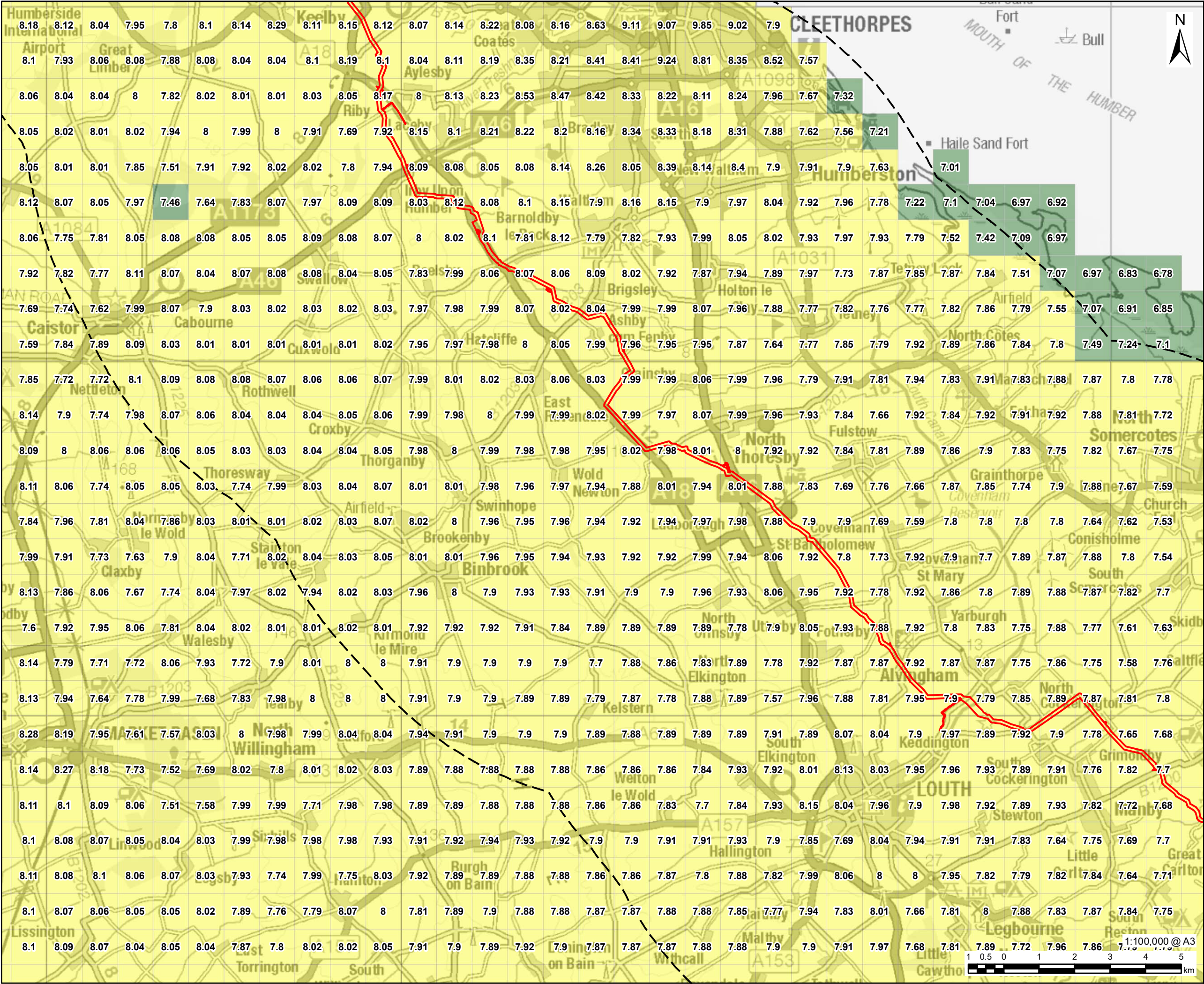
Figure 14-5 (1 of 3)
PM_{2.5} Background Concentrations (µg/m³)

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-5



PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 10km Study
- PM_{2.5} Background Concentration - 2023 (µg/m³)
 - 5 - 7.5
 - 7.5 - 10
 - 10 - 12.5

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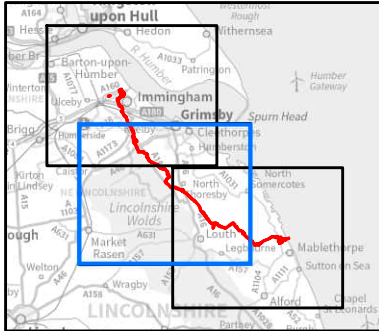


FIGURE TITLE

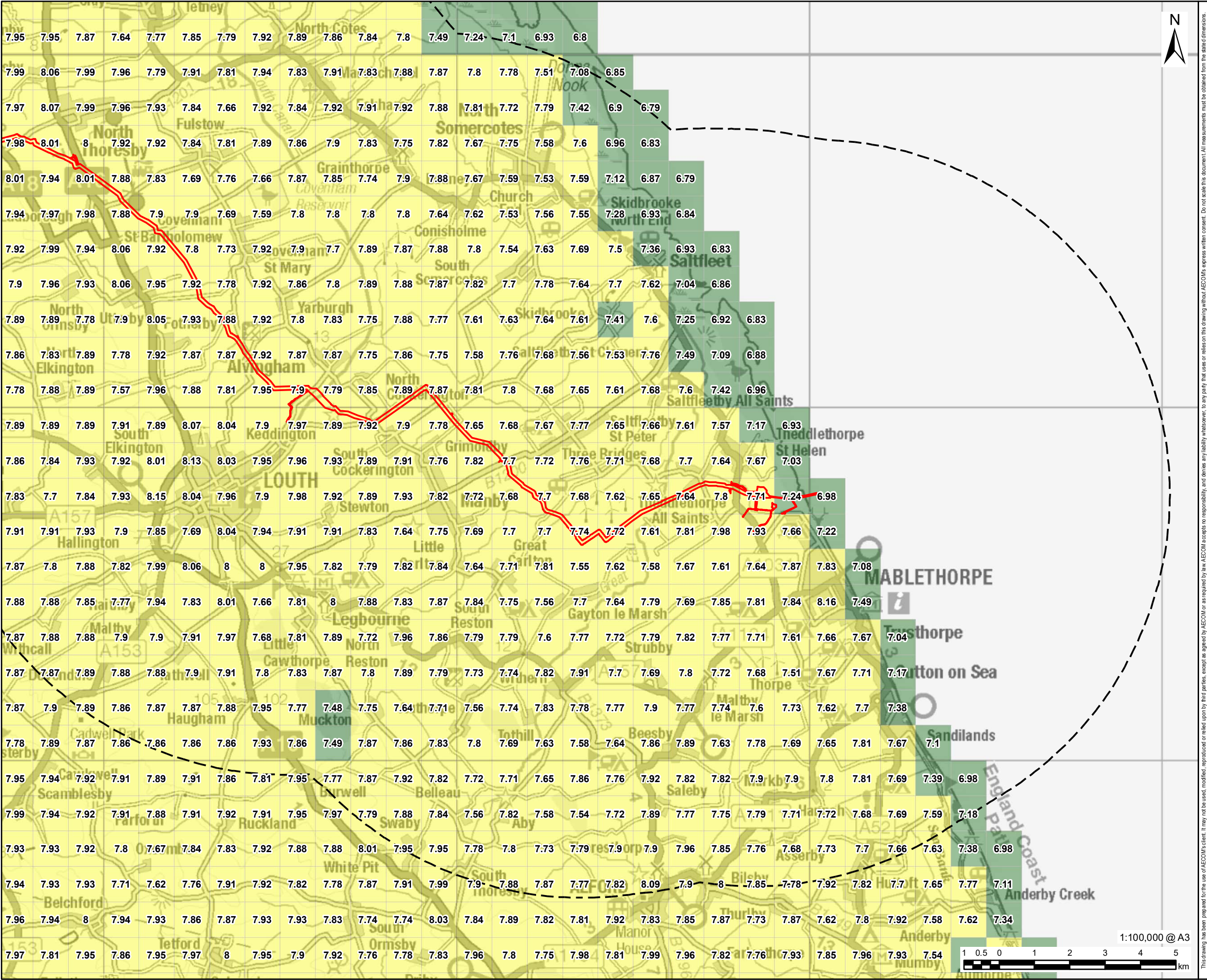
Figure 14-5 (2 of 3)
PM_{2.5} Background Concentrations (µg/m³)

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-5





PROJECT

Viking CCS Pipeline

LEGEND

 DCO Site Boundary

 10km Study

 PM_{2.5} Background Concentration - 2023 (µg/m³)

 5 - 7.5

 7.5 - 10

 10 - 12.5

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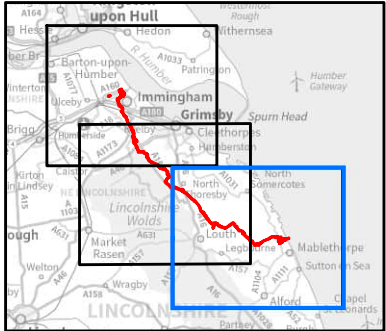


FIGURE TITLE

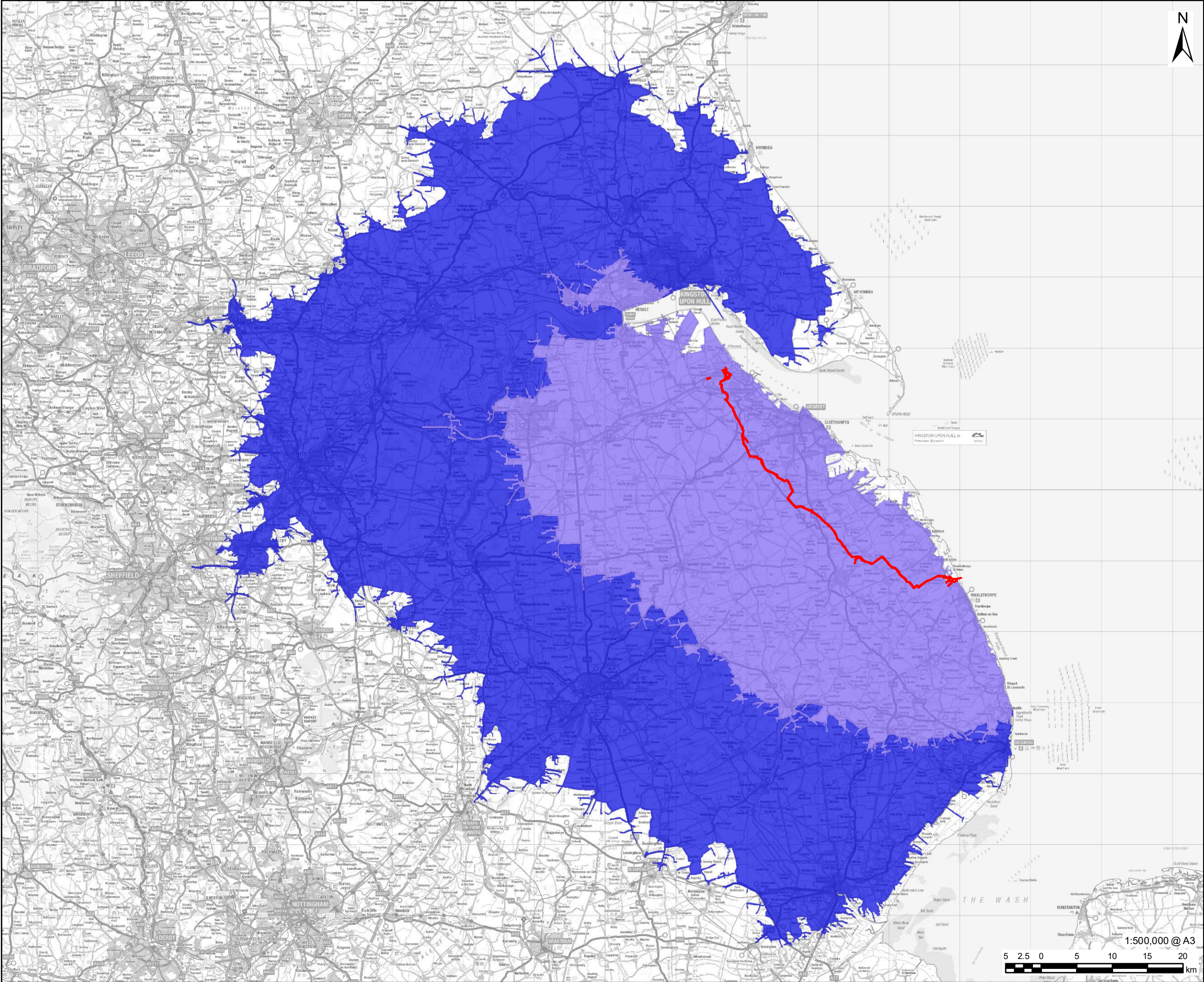
Figure 14-5 (3 of 3)
PM_{2.5} Background Concentrations (µg/m³)

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_14-5





PROJECT
Viking CCS Pipeline
LEGEND

 DCO Site Boundary

Drive Time (Average for Wednesday at 9:30am)

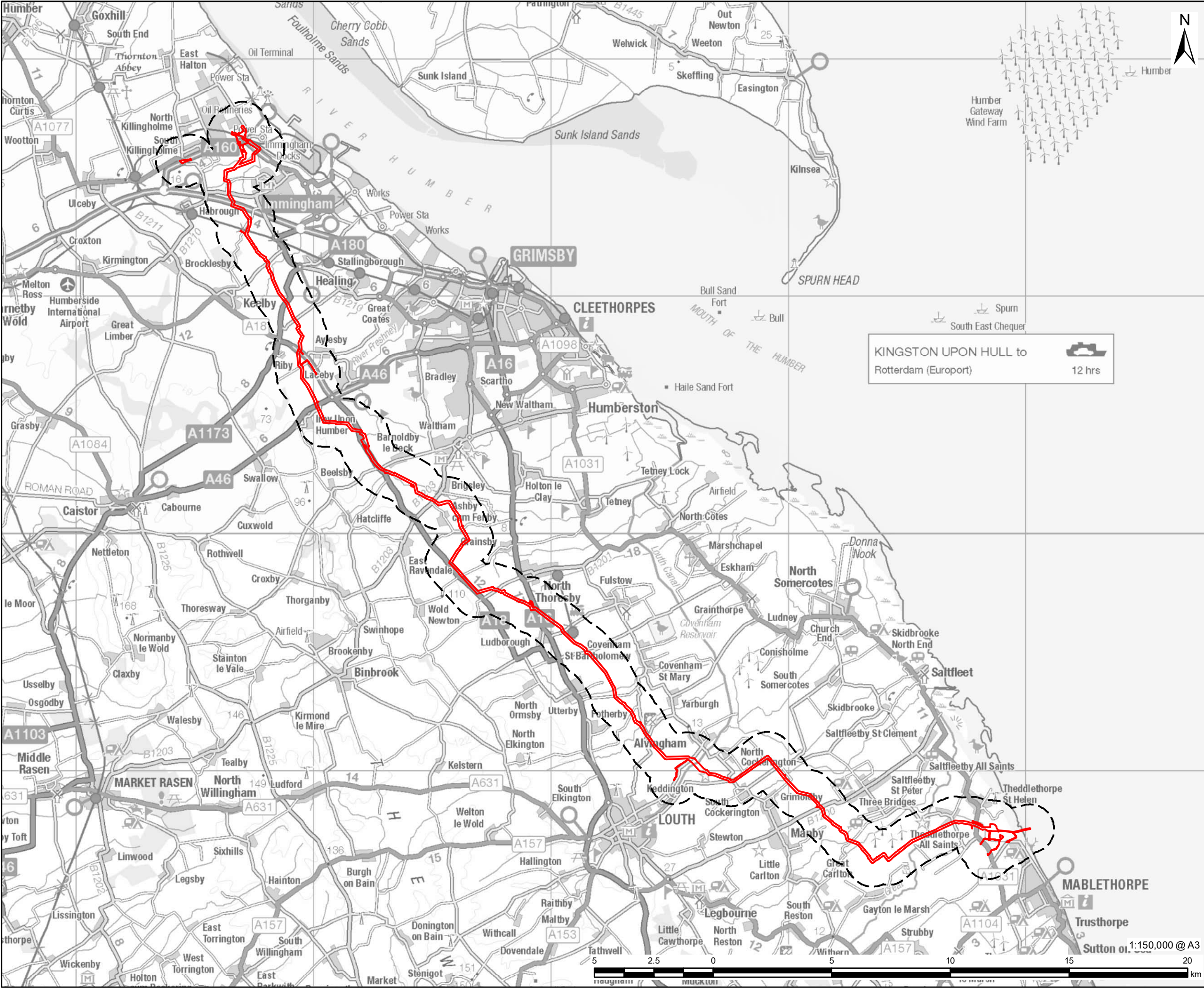
 0 - 30 Minutes

 30 - 60 Minutes

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FIGURE TITLE
**Figure 16-1
Drive Time Catchment
(60 Minute Drive Time)**

ISSUE PURPOSE
ENVIRONMENTAL STATEMENT
PROJECT NUMBER / REFERENCE
60668955 / VCCS_230921_ES_16-1



PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

1km Study Area

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FIGURE TITLE

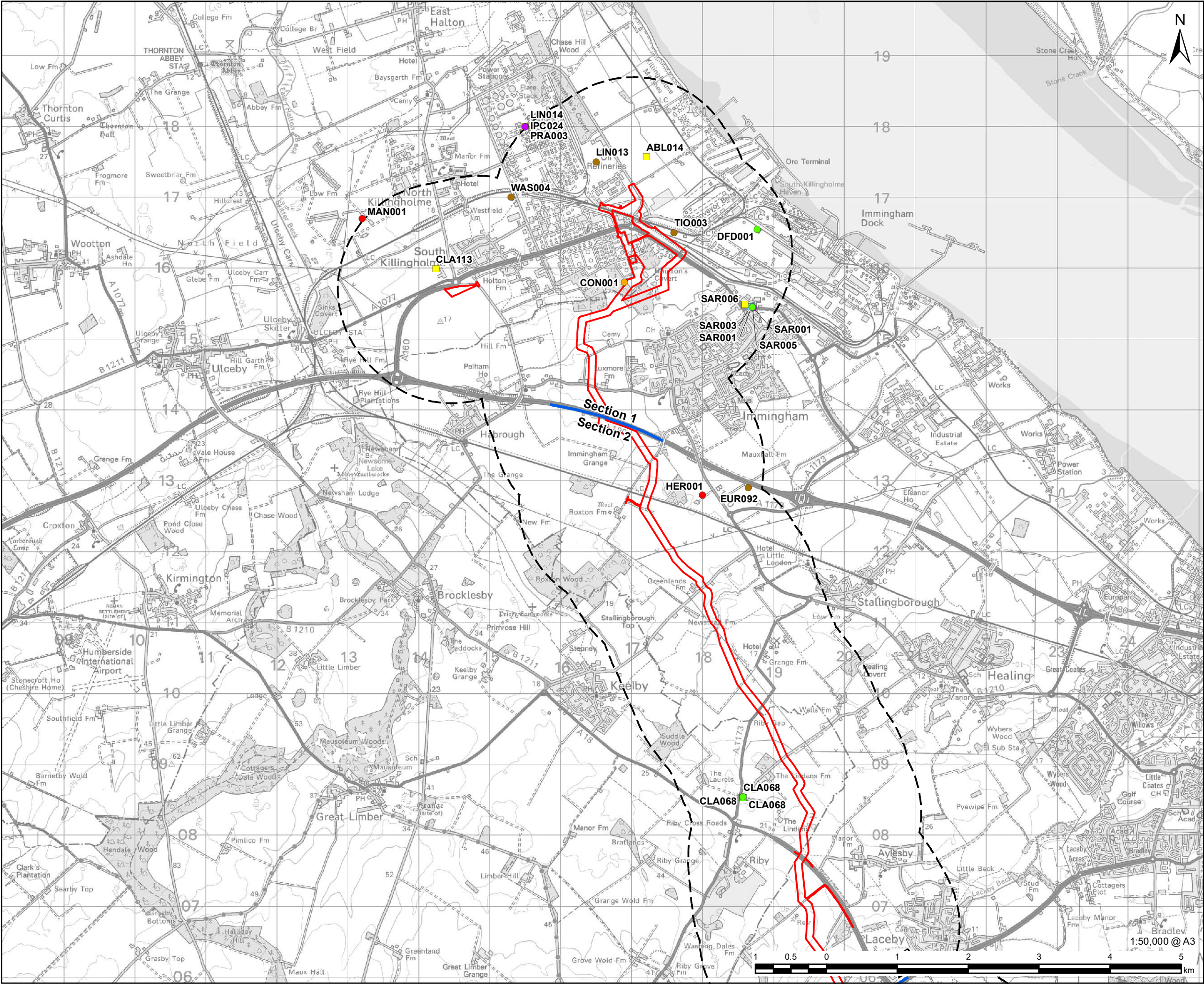
Figure 16-2
1km Study Area

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230921_ES_16-2



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PROJECT

Viking CCS Pipeline

LEGEND



DCO Site Boundary



1.5km Study Area



Route Section Break

Local Permitted and Surrendered Waste Site:



Closure



Expired



Modified



Surrendered



To PPC

Local Waste Site Permit Application:



Mod. progress



Pre-app



Withdrawn

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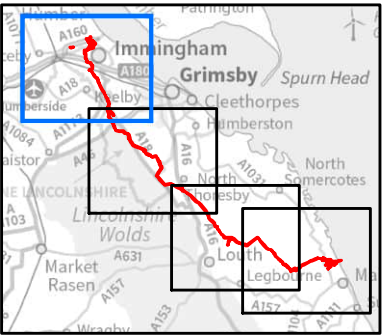
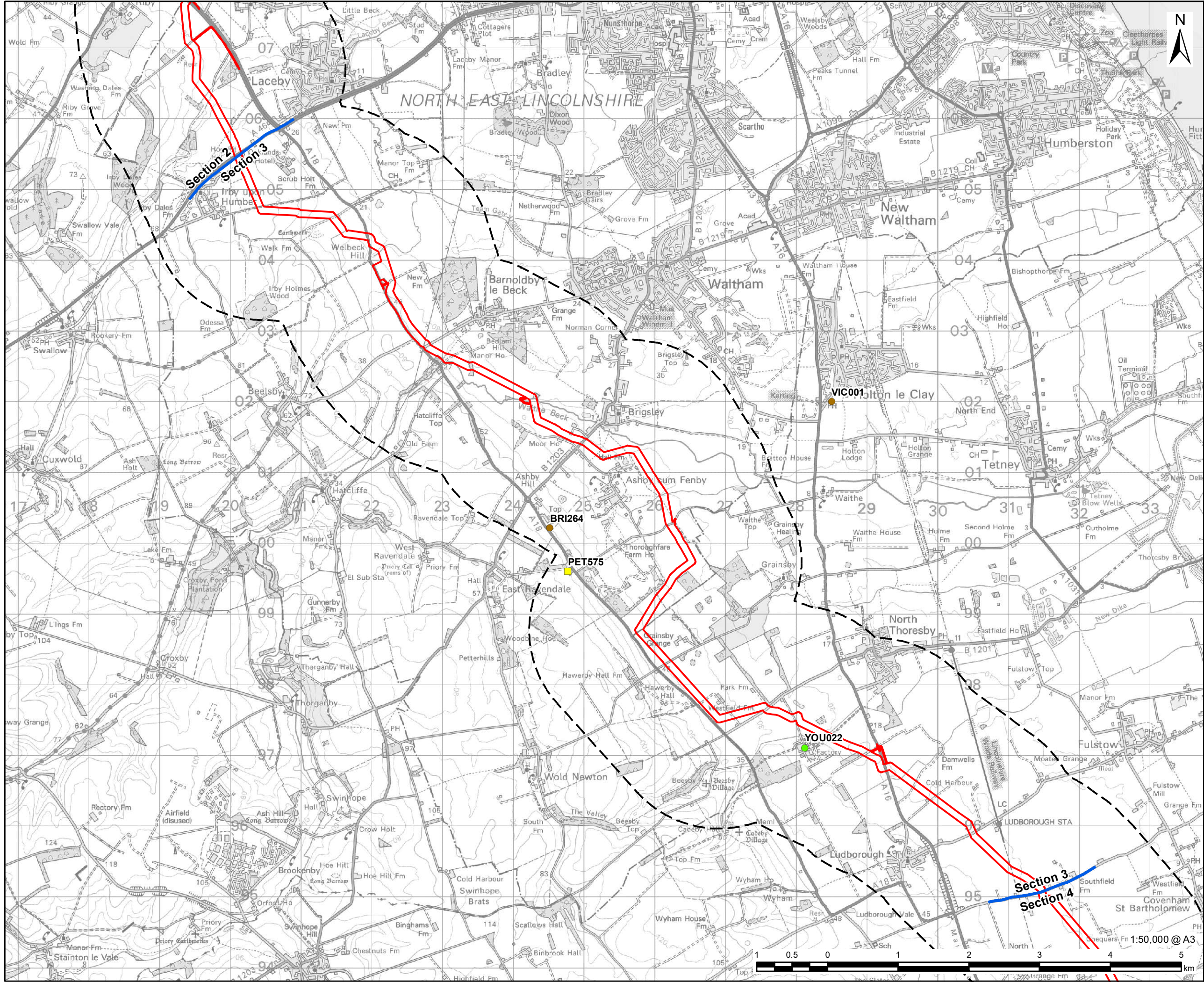


FIGURE TITLE

Figure 18-1 (1 of 4)

Waste Sites within 1.5 km



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PROJECT

Viking CCS Pipeline

LEGEND

-  DCO Site Boundary
-  1.5km Study Area
-  Route Section Break

Local Permitted and Surrendered Waste Site:

-  Modified
-  Surrendered

Local Waste Site Permit Application:

-  Pre-app

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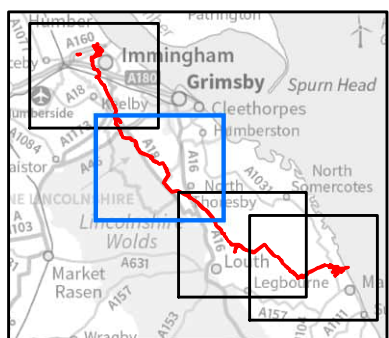


FIGURE TITLE

Figure 18-1 (2 of 4)

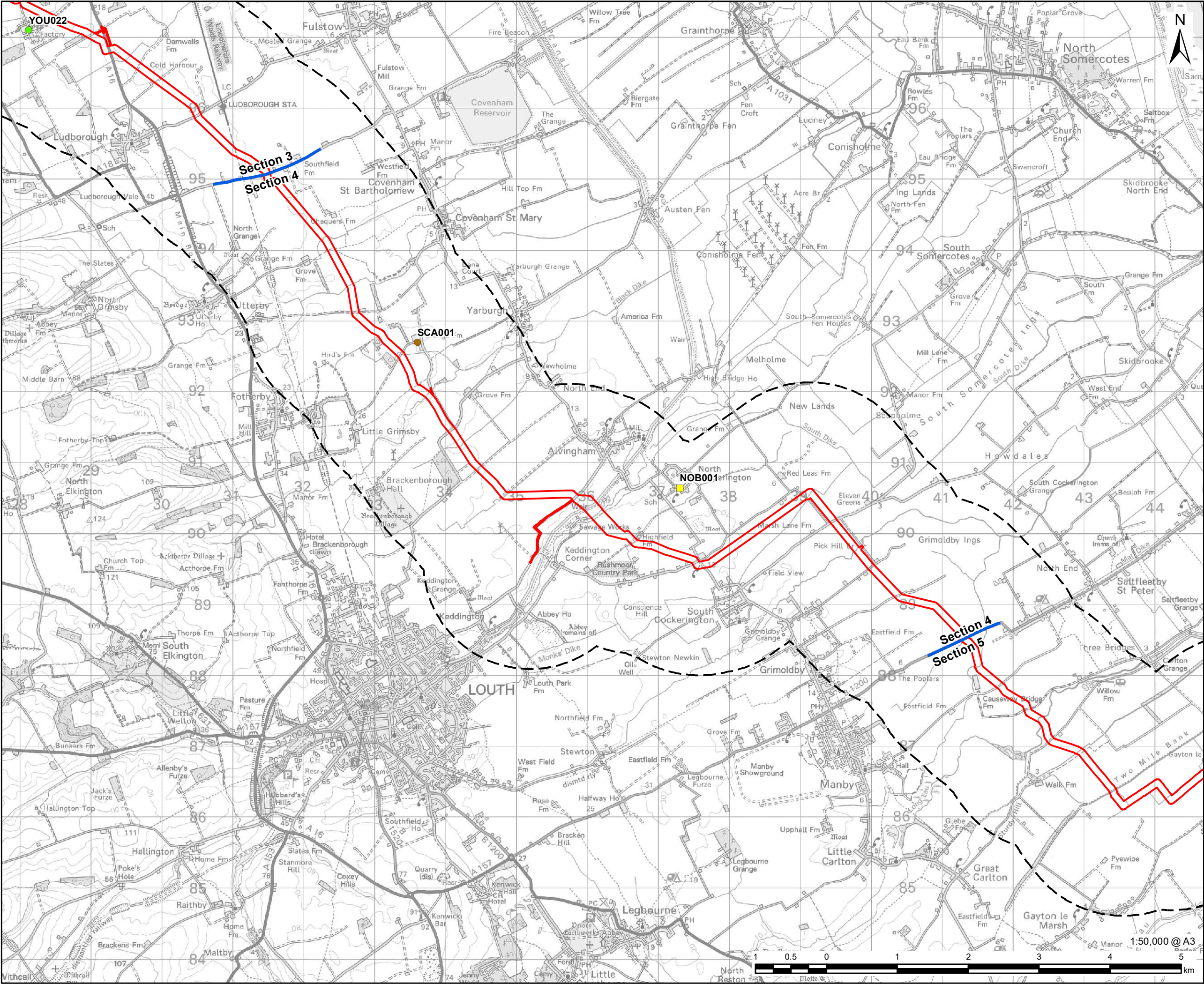
Waste Sites within 1.5 km

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

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PROJECT

Viking CCS Pipeline

LEGEND

-  DCO Site Boundary
-  1.5km Study Area
-  Route Section Break

Local Permitted and Surrendered Waste Site:

-  Modified
-  Surrendered

Local Waste Site Permit Application:

-  Pre-app

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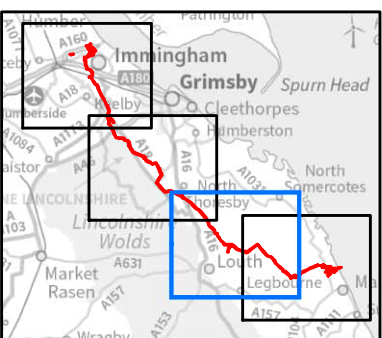


FIGURE TITLE

Figure 18-1 (3 of 4)

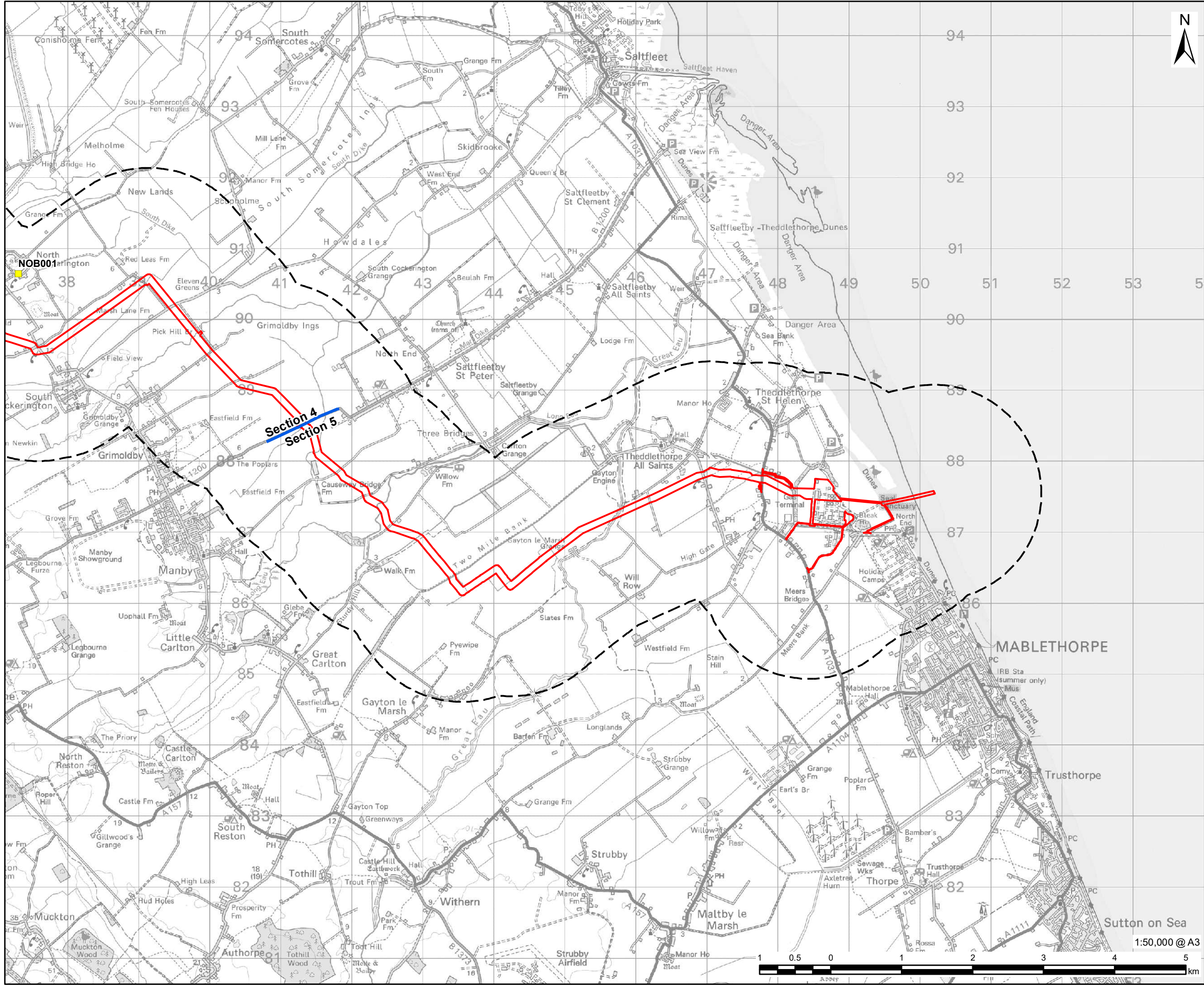
Waste Sites within 1.5 km

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_18-1



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

DCO Site Boundary

1.5km Study Area

Route Section Break

Local Waste Site Permit Application:

Pre-app

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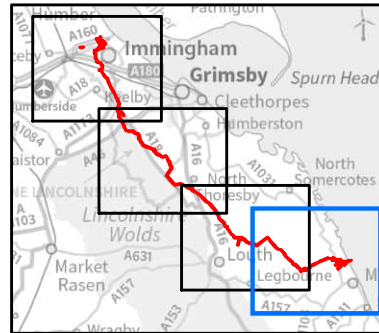


FIGURE TITLE

Figure 18-1 (4 of 4)

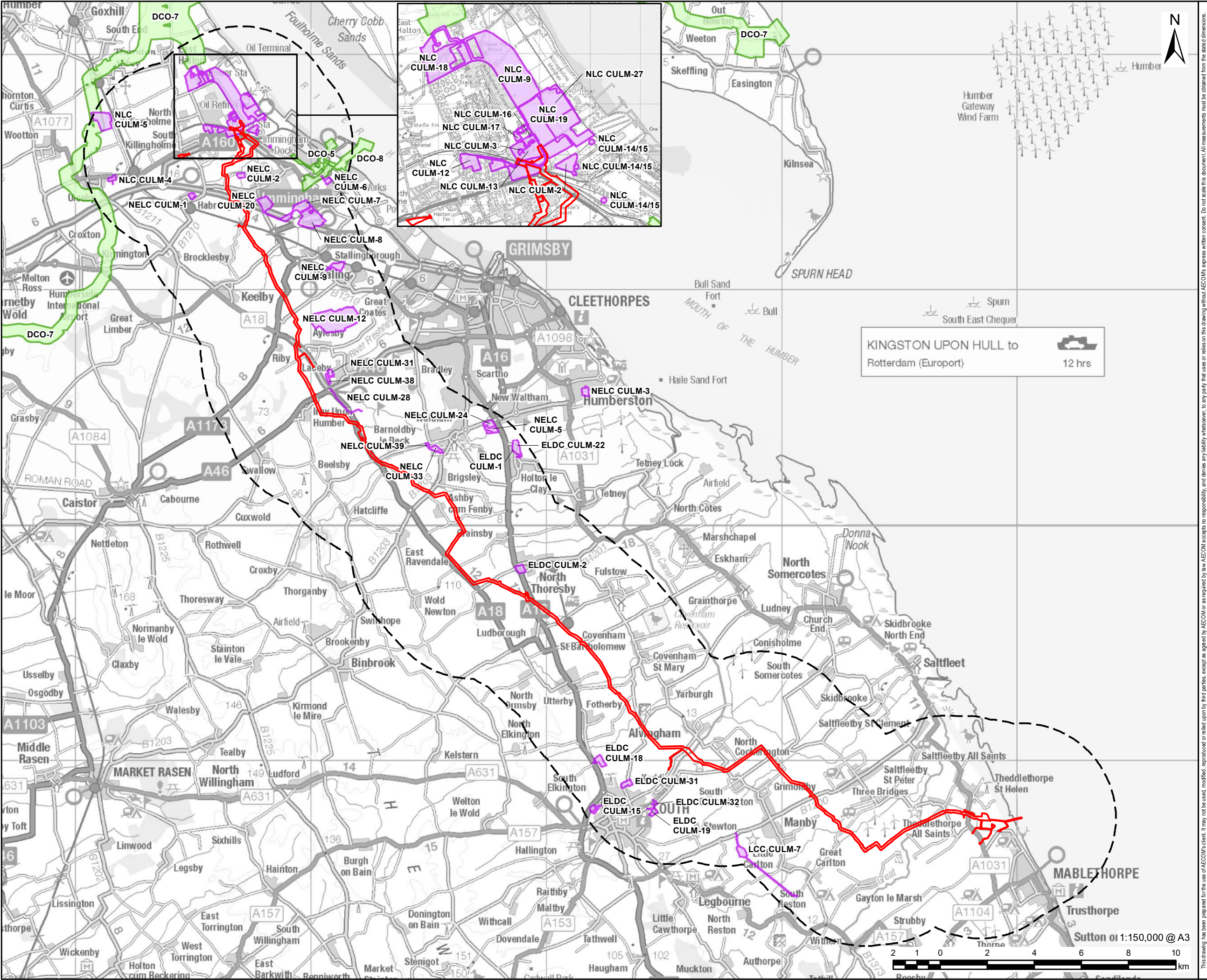
Waste Sites within 1.5 km

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_18-1



VikingCCS

AECOM

PROJECT

Viking CCS Pipeline

LEGEND

- DCO Site Boundary
- 4km Study Area
- Town and Country Planning Application
- DCO Application

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FIGURE TITLE

Figure 20-2

Location of Short List of Other Developments

ISSUE PURPOSE

ENVIRONMENTAL STATEMENT

PROJECT NUMBER / REFERENCE

60668955 / VCCS_230914_ES_20-2

