



# Dudgeon and Sheringham Shoal Offshore Wind Farm Extensions

Preliminary Environmental Information Report

**Volume 2**

Chapter 11 - Fish Ecology

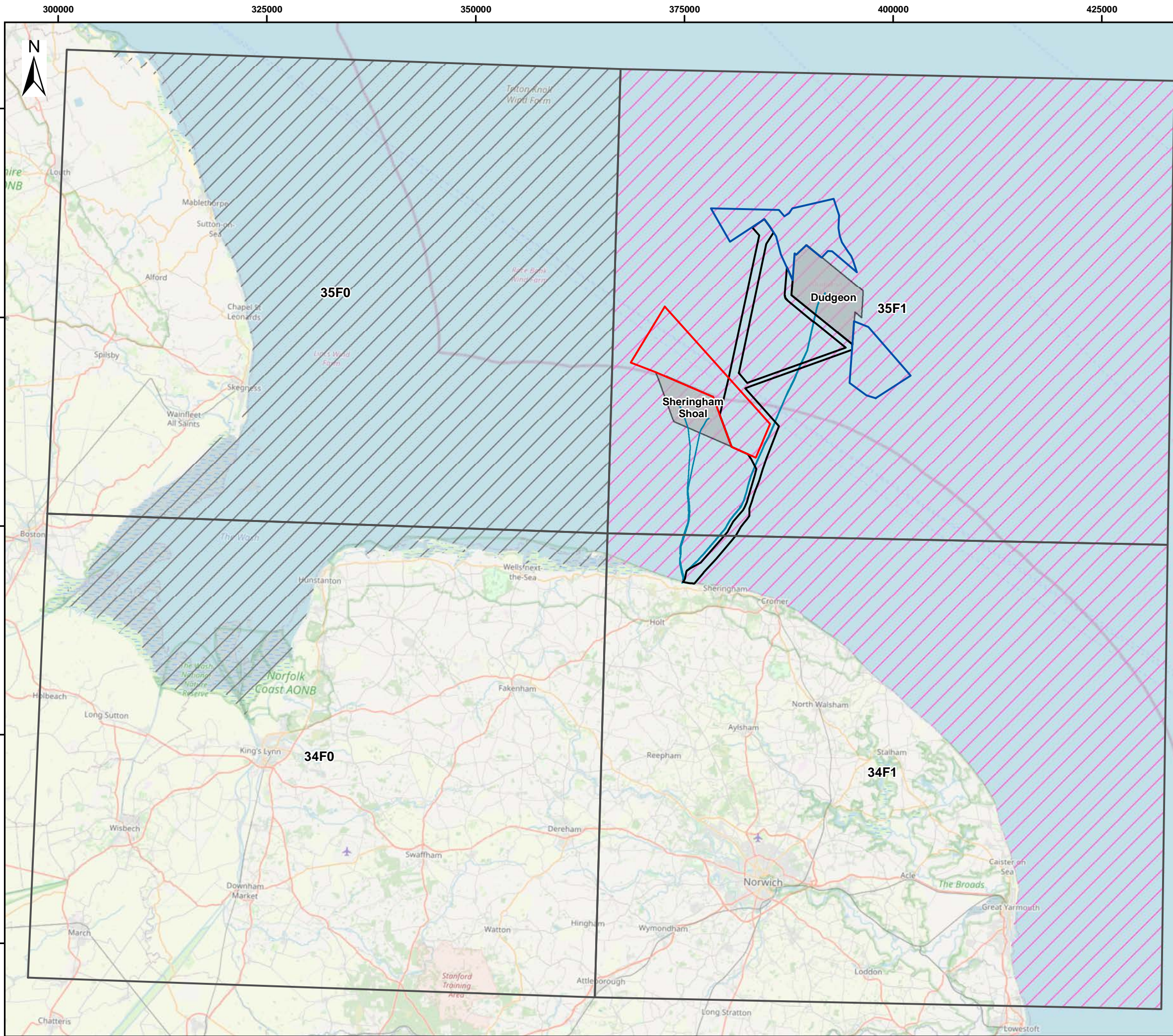
April 2021

Title:	
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**Sheringham Shoal and  
Dudgeon Extension Projects**  
Figure 11.1  
Study Area

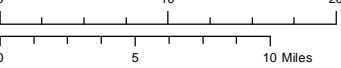
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- Dudgeon Offshore Wind Farm Extension Site
  - Sheringham Shoal Offshore Wind Farm Extension Site
  - Offshore Cable Corridor
  - Existing Offshore Wind Farm Export Cable
  - Existing Offshore Wind Farm
  - ICES Rectangle
  - Local Study Area
  - Regional Study Area

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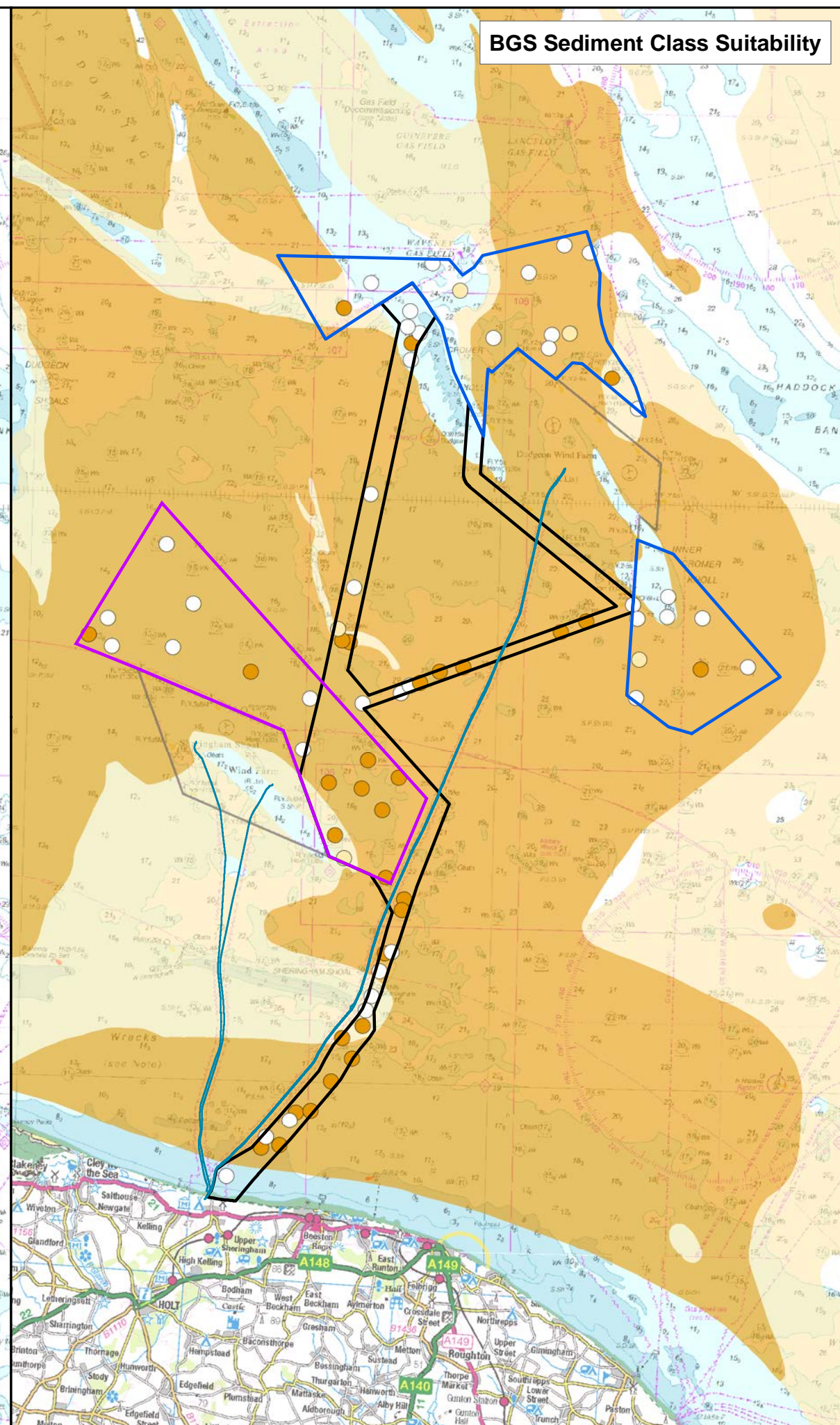
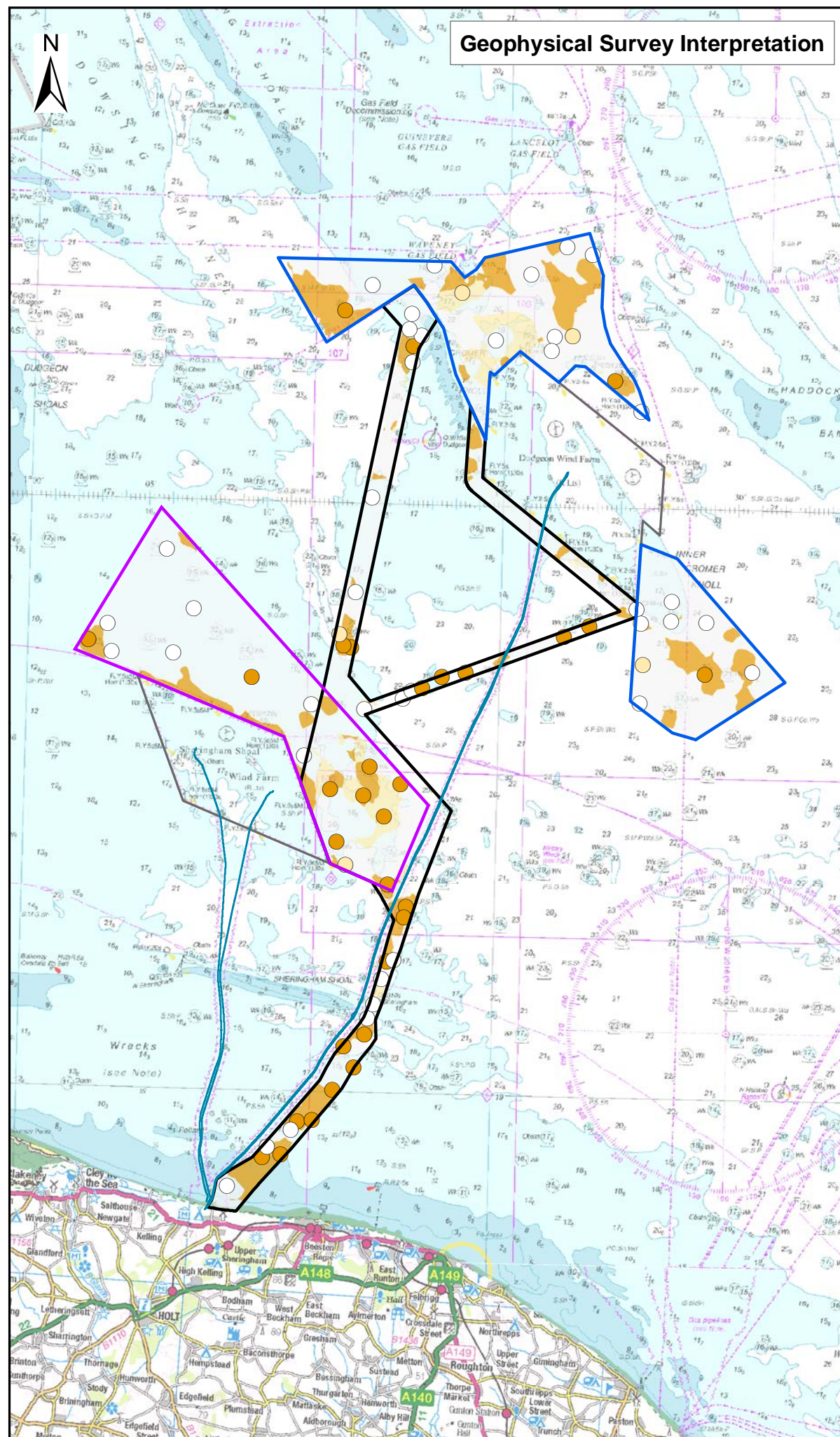


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REV	DATE	SCALE	SIZE	DRW	CHK	APR

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# Sheringham Shoal and Dudgeon Extension Projects

## Figure 11.2

### Herring Habitat Suitability

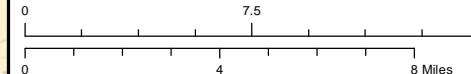
- Legend:
- Dudgeon Offshore Wind Farm Extension Site
  - Sheringham Shoal Offshore Wind Farm Extension Site
  - Offshore Cable Corridors
  - Existing Offshore Wind Farm Export Cable
  - Existing Offshore Wind Farm
- Grab Samples**
- Herring Suitability**
- Unsuitable
  - Marginal
  - Preferred
- Habitat Area**
- Herring Suitability**
- Unsuitable
  - Marginal
  - Preferred

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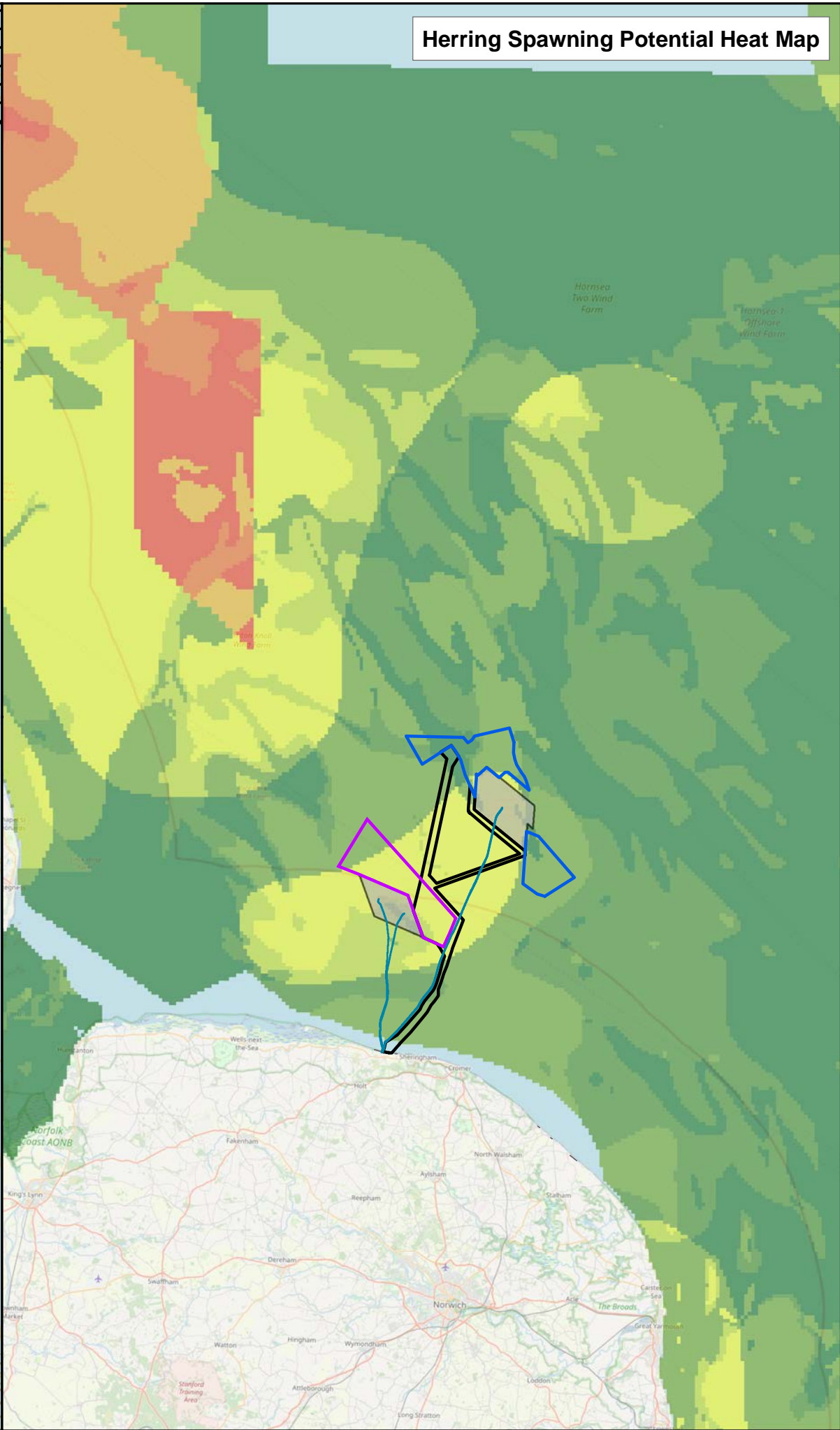
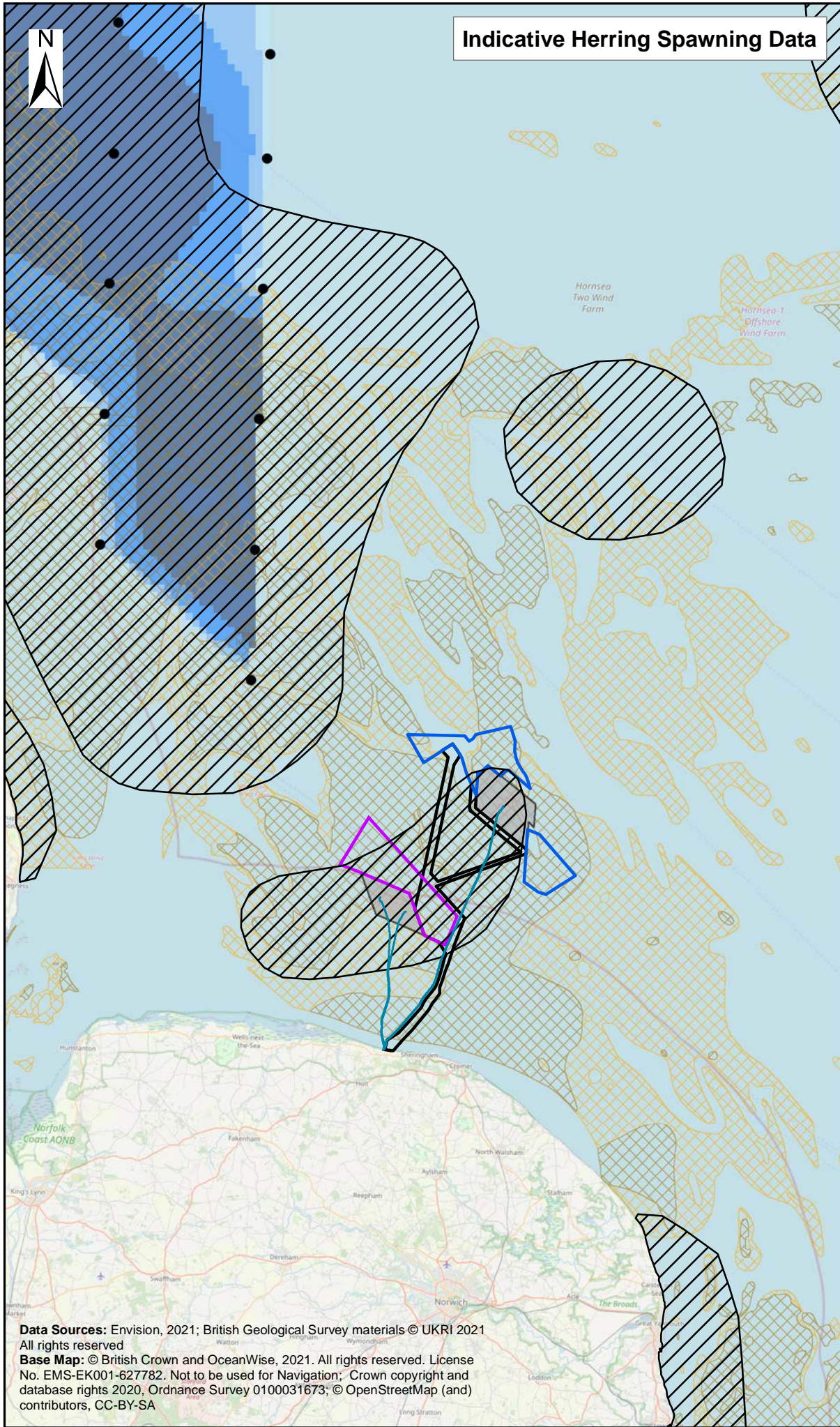
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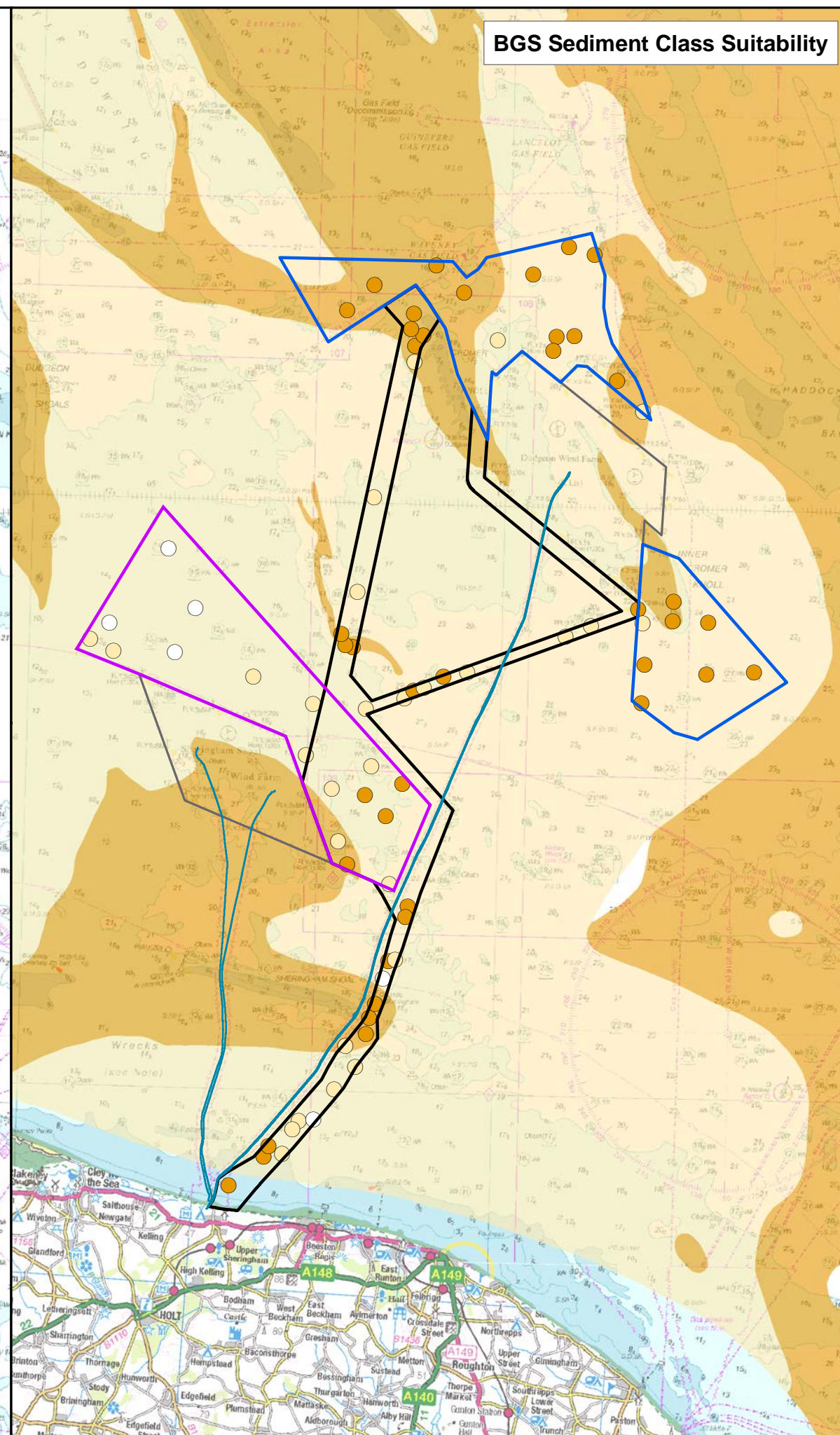
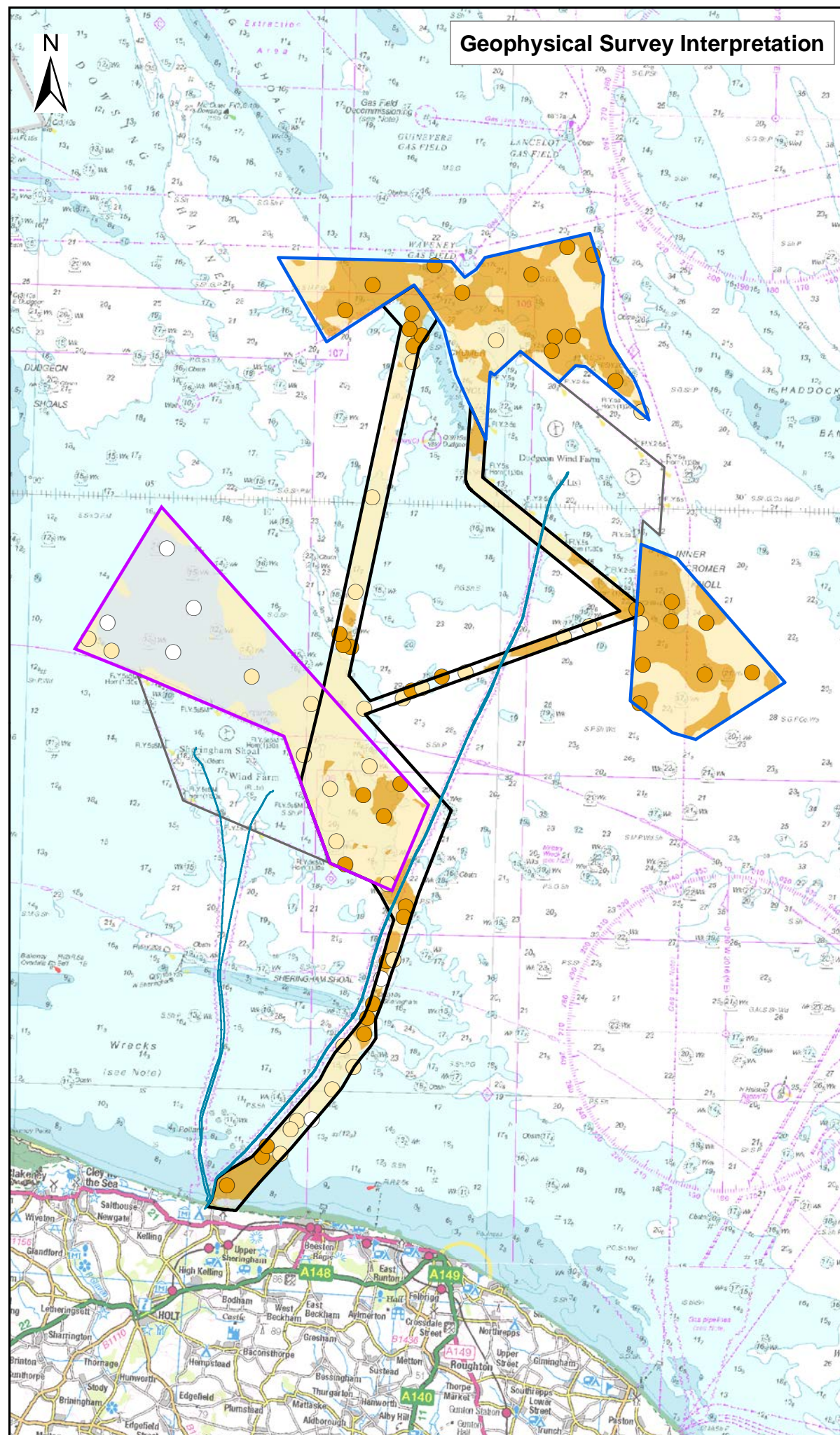
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# Sheringham Shoal and Dudgeon Extension Projects

## Figure 11.4

### Sandeel Habitat Suitability

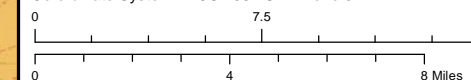
- Legend:
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  - Sheringham Shoal Offshore Wind Farm Extension Site
  - Offshore Cable Corridors
  - Existing Offshore Wind Farm Export Cable
  - Existing Offshore Wind Farm
- Grab Samples
- Sandeel Suitability
- Unsuitable
  - Marginal
  - Preferred
- Habitat Area
- Sandeel Suitability
- Unsuitable
  - Marginal
  - Preferred

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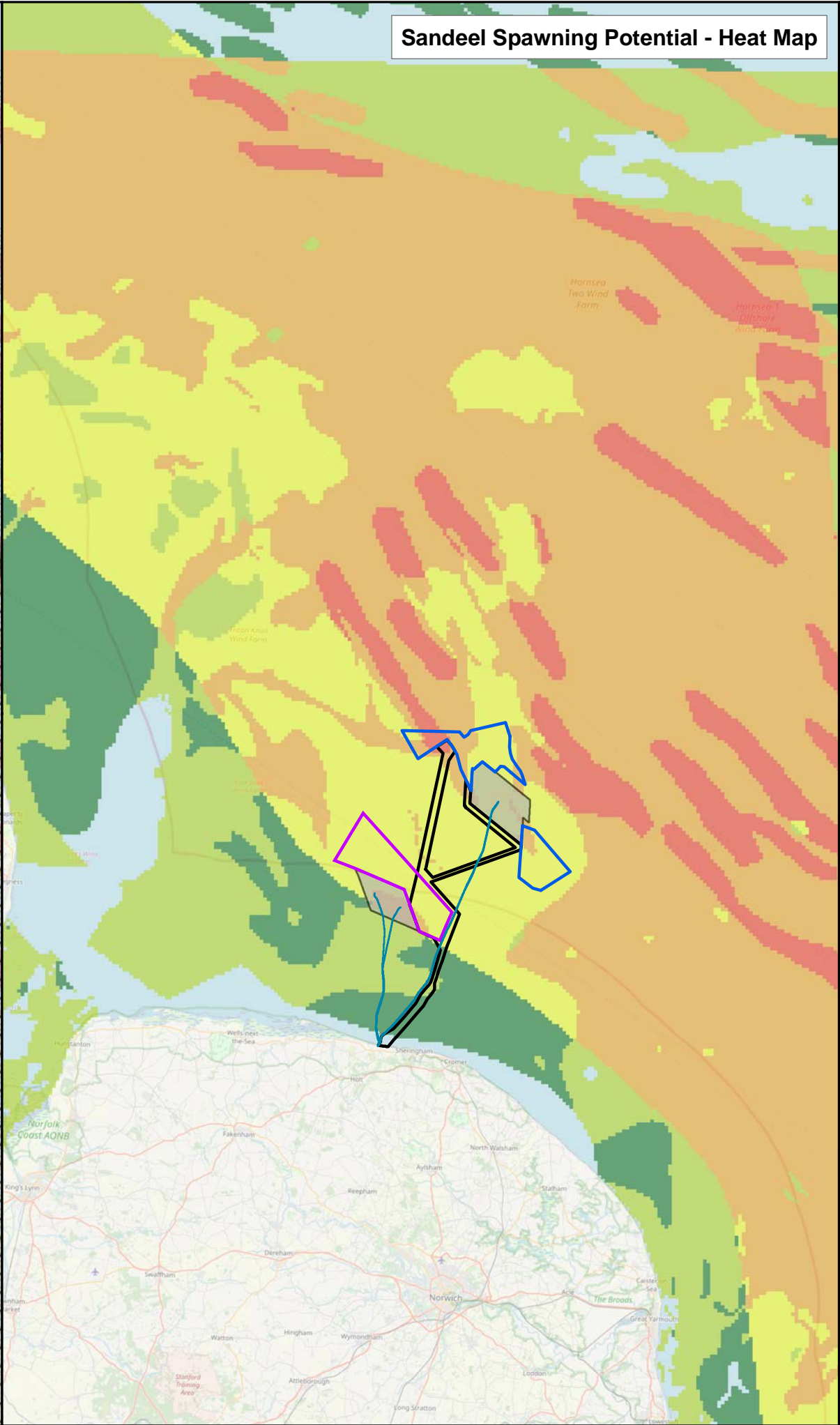
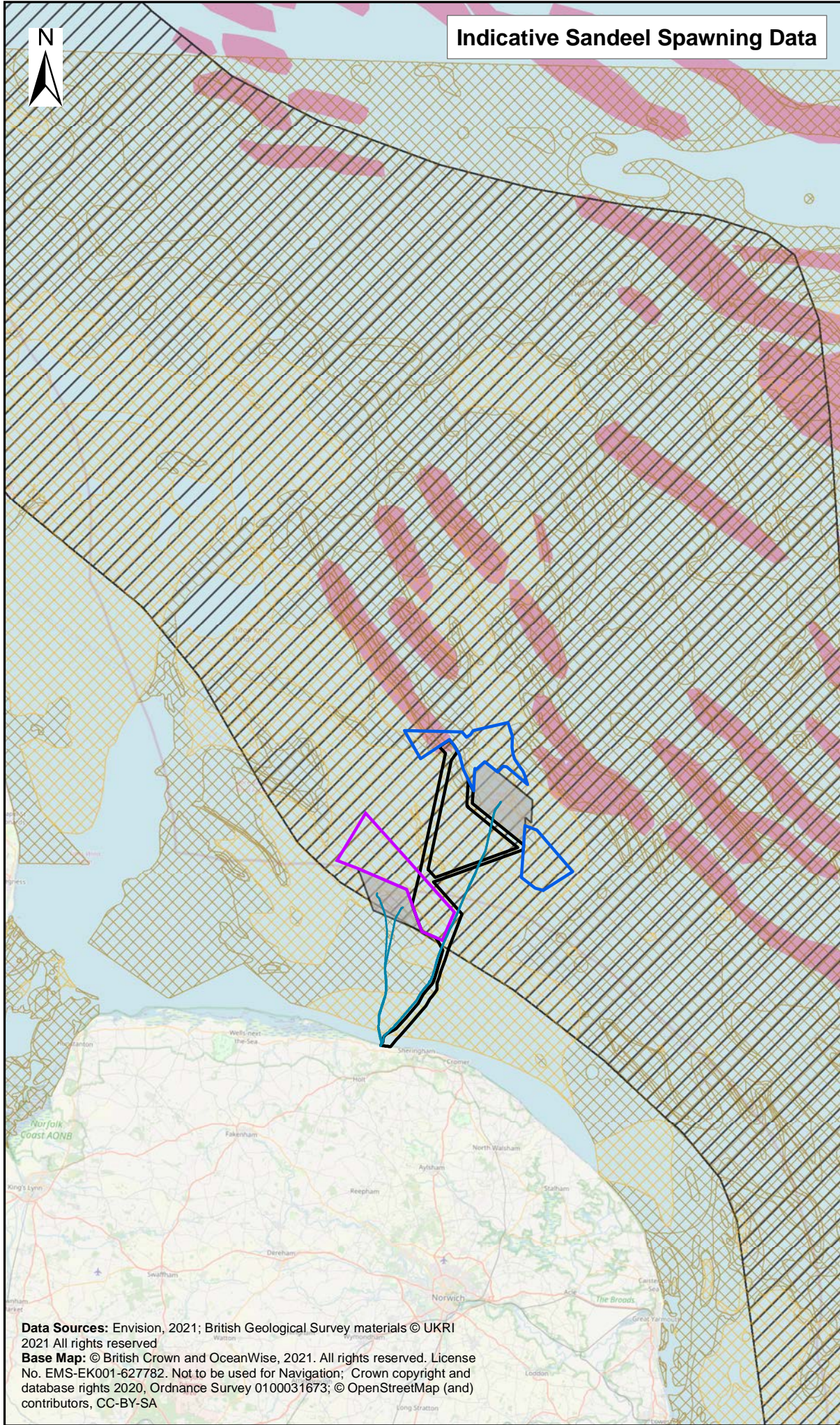
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**Sheringham Shoal and Dudgeon Extension Projects**  
**Figure 11.5**  
**Sandeel Potential Spawning Areas**

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0 20 40 km  
0 10 20 Miles

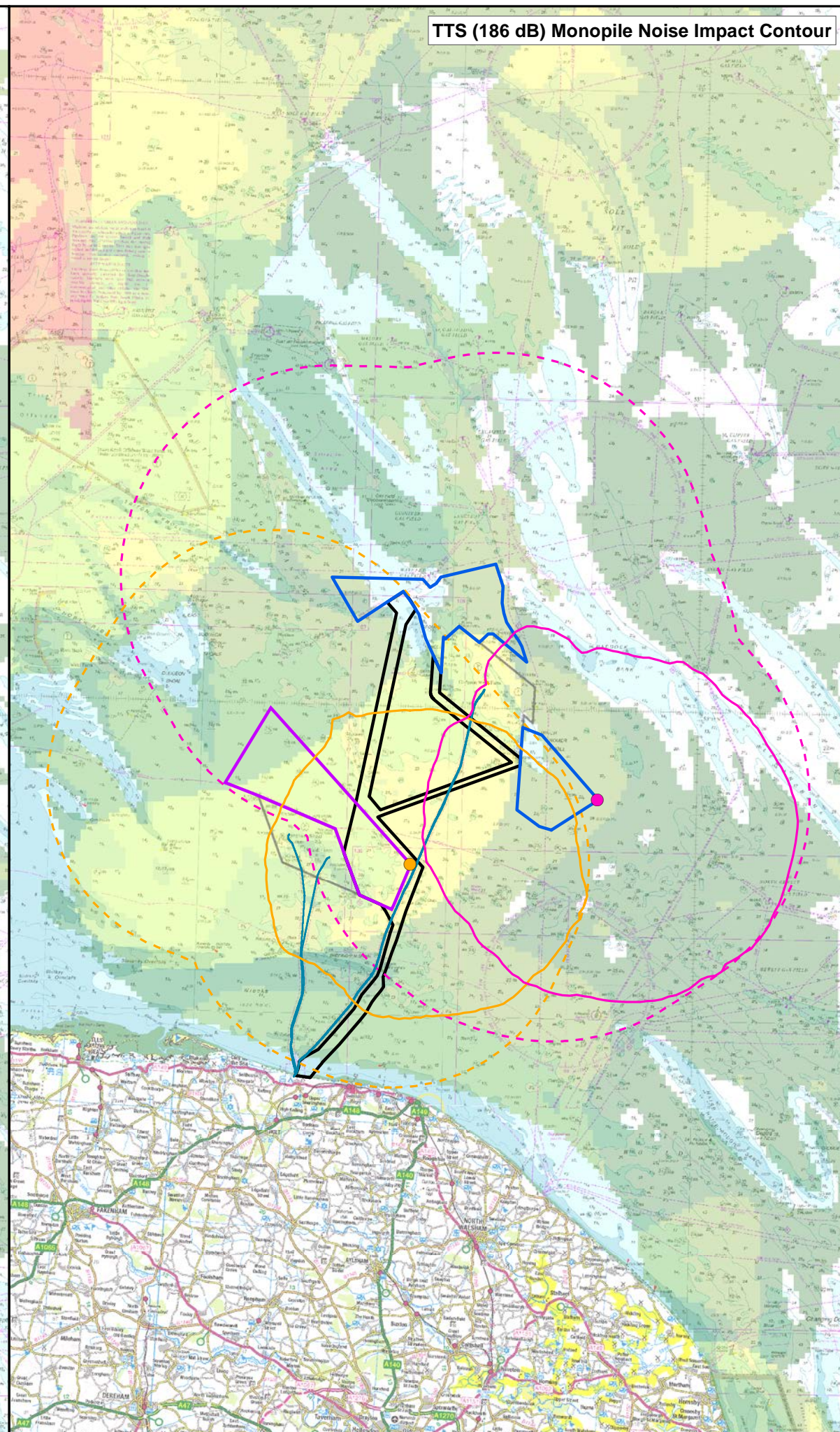
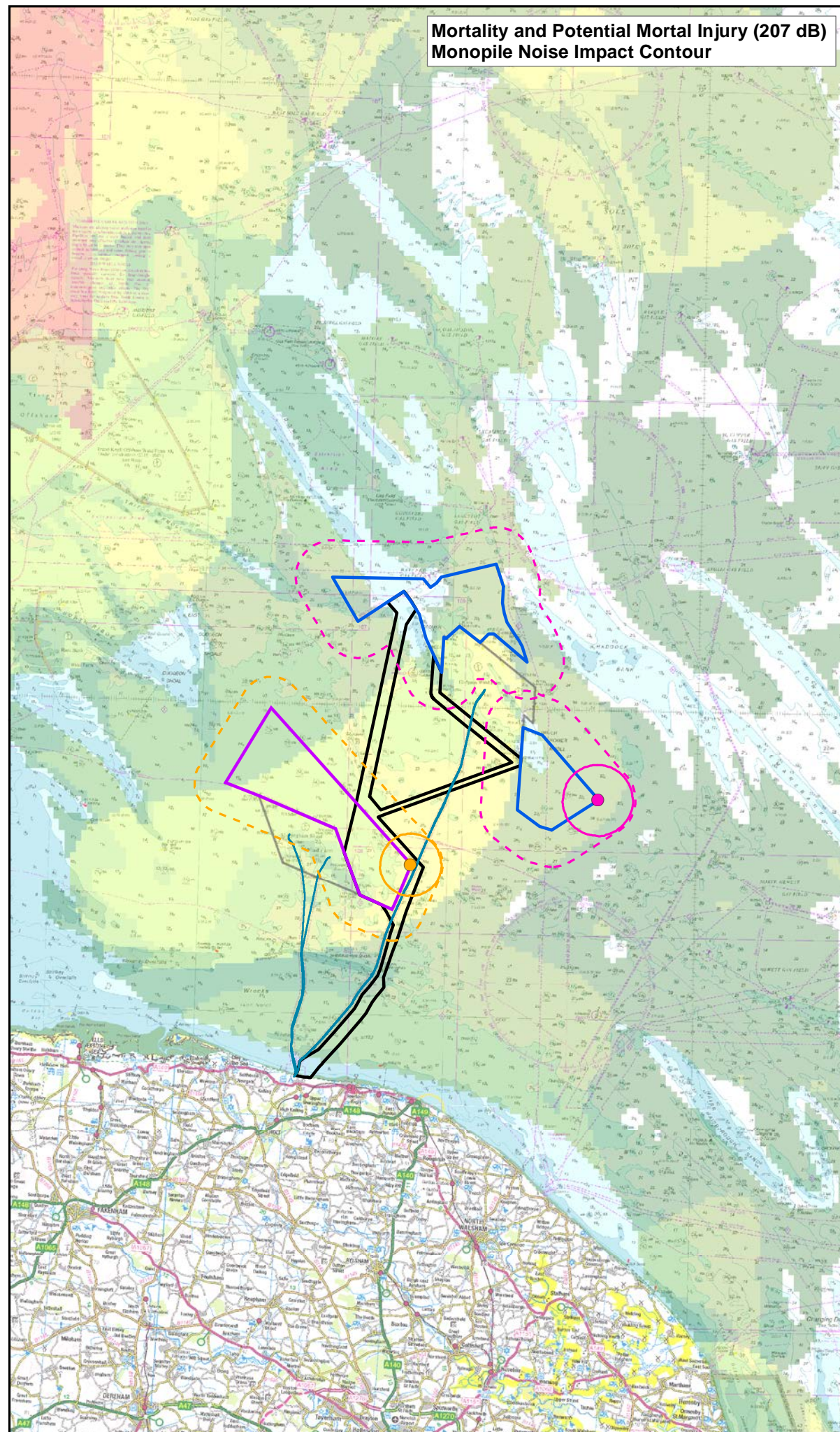
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**Royal HaskoningDHV**  
Enhancing Society Together

**equinor**





### Sheringham Shoal and Dudgeon Extension Projects

Figure 11.6  
Worst Case Underwater Noise Impact Ranges in Relation to Potential Herring Spawning

Legend:

- Dudgeon Offshore Wind Farm Extension Site
- Sheringham Shoal Offshore Wind Farm Extension Site
- Offshore Cable Corridors
- Existing Offshore Wind Farm
- Existing Offshore Wind Farm Export Cable

**Modelled Noise Point Source**

- Dudgeon South East Modelling Location
- Sheringham East Modelling Location

**Monopile Noise Impact Contours (Stationary Model)**

- Dudgeon South East Modelling Location
- Sheringham Extension East Modelling Location

**Extrapolated Noise Contours (Worst Case)**

- Dudgeon Extension
- Sheringham Extension

**Herring Habitat Suitability Assessment Heat Map**

1 (Low)	4	7	10
2	5	8	11 (High)
3	6	9	

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Co-ordinate System: WGS 1984 UTM Zone 31N

0 10 20 km

0 8 16 Miles

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