

**Vattenfall Wind Power Ltd**  
**Thanet Extension Offshore Wind Farm**

**Environmental Statement Volume 6**

**Annex 12-1: Seascape Landscape Visual Impact Assessment - Offshore Technical Report**

June 2018, Revision A

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Pursuant to: APFP Reg. 5(2)(a)



Vattenfall Wind Power Ltd

Thanet Extension Offshore Wind Farm

Volume 6

Annex 12-1: Seascape Landscape Visual Impact Assessment - Offshore Technical

Report June 2018

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Drafted By:	GoBe Consultants Ltd
Approved By:	Helen Jameson
Date of Approval	June 2018
Revision	A

Vattenfall Wind Power Ltd

First Floor

1 Tudor Street

London

EC4Y 0AH

T +44 207 451 1150

[www.vattenfall.co.uk](http://www.vattenfall.co.uk)

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# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.1a SLVIA Rochdale Envelope - 28 x 12MW Optimum Space Layout

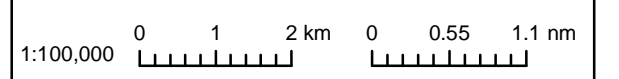
- Legend**
- Indicative WTG location
  - ▲ Indicative Offshore Meteorological Mast
  - Indicative Offshore Substation Platform
  - ⋈ TOWF
  - Offshore Red Line Boundary
  - 5km Radii

Turbine Coordinates  
Projection: ETRS 1989 UTM Zone 31N

ID	X	Y
1	409294	5694569
2	409846	5695991
3	398901	5698246
4	399836	5697155
5	400772	5696065
6	401710	5694973
7	402648	5693881
8	404136	5694220
9	403199	5695312
10	402261	5696404
11	401323	5697496
12	400386	5698586
13	399447	5699679
14	407750	5702442
15	399233	5702037
16	400178	5700950
17	405684	5694609
18	406627	5693524
19	408905	5692960
20	407962	5694046
21	402057	5702901
22	400566	5702560
23	406261	5702103
24	407199	5701011
25	408136	5699922
26	409075	5698828
27	409625	5700260
28	408687	5701351

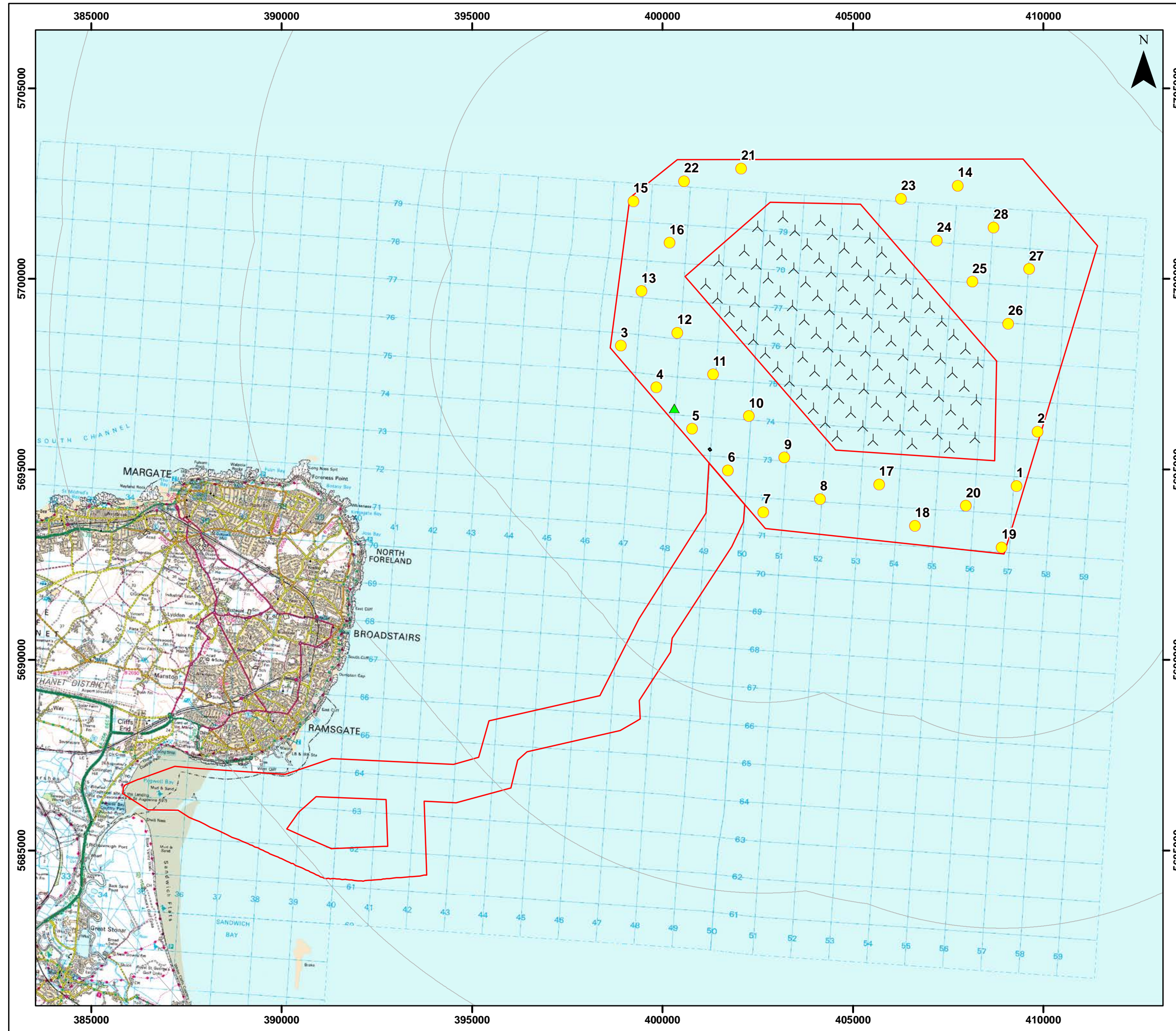
Datum: ETRS 1989  
Projection: UTM31N

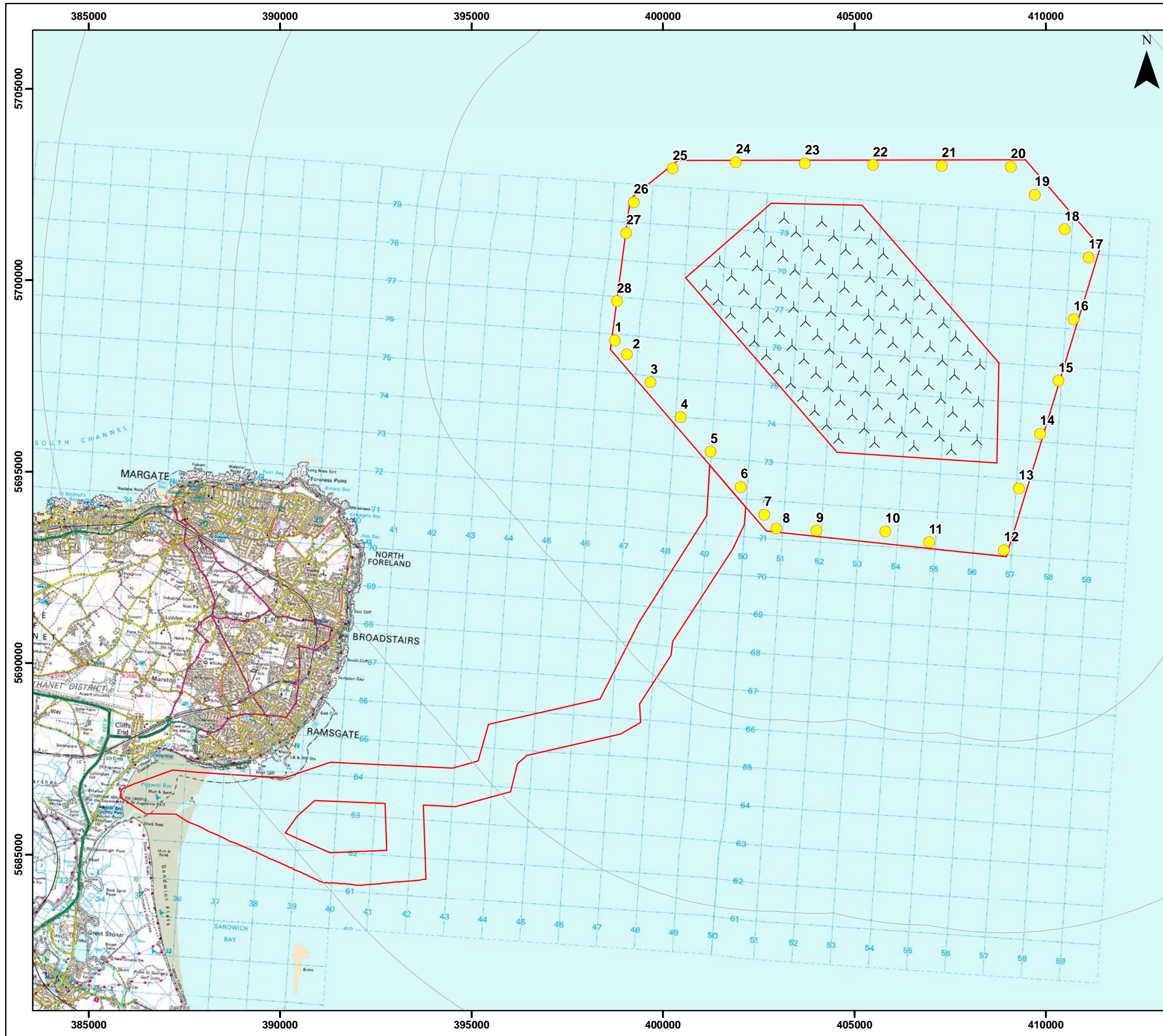
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Drg No	...	Optimum Layout_T28_12MW
Rev	0.2	Date 17/05/2018
By	JM	Layout THET2018

**Figure 12.1a**





# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.1b**  
SLVIA Rochdale Envelope  
- 28 x 12MW  
Perimeter Layout

- Legend**
- Indicative WTG location
  - TOWF
  - Offshore Red Line Boundary
  - 5km Radii

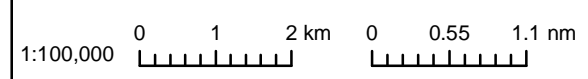
Turbine Coordinates  
Projection: ETRS 1989 UTM Zone 31N

ID	X	Y
1	398741	5698429
2	399054	5698065
3	399677	5697338
4	400461	5696428
5	401242	5695518
6	402024	5694607
7	402648	5693881
8	402959	5693520
9	403997	5693465
10	405805	5693443
11	406943	5693160
12	408905	5692960
13	409294	5694569
14	409846	5695991
15	410326	5697372
16	410719	5698987
17	411114	5700597
18	410487	5701327
19	409706	5702237
20	409082	5702964
21	407281	5702989
22	405480	5703012
23	403705	5703060
24	401899	5703082
25	400251	5702922
26	399233	5702037
27	399037	5701231
28	398796	5699450

Datum: ETRS 1989  
Projection: UTM31N



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Drg No	...erimeter Layout_T28_12MW			<b>Figure 12.1b</b>
Rev	0.2	Date	17/05/2018	
By	JM	Layout	THET2018	

# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.2 SLVIA Alternative Rochdale Envelope - 34 x 10MW

**Legend**

- Indicative WTG location
- TOW
- Offshore Red Line Boundary
- 5km Radii

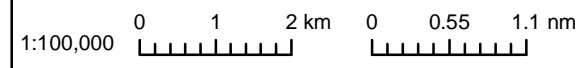
**Turbine Coordinates**  
Projection: ETRS 1989 UTM Zone 31N

ID	X	Y
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3	399992	5696977
4	400617	5696249
5	401242	5695521
6	401867	5694793
7	402493	5694066
8	404449	5693860
9	403824	5694587
10	403199	5695315
11	402574	5696043
12	401948	5696771
13	401323	5697499
14	400699	5698226
15	400073	5698953
16	399447	5699682
17	399234	5702040
18	399863	5701315
19	406317	5693885
20	406946	5693160
21	408909	5692960
22	408279	5693684
23	407646	5694412
24	401196	5701838
25	400563	5702559
26	401899	5703079
27	410016	5697739
28	409382	5698463
29	408762	5699192
30	408135	5699920
31	407511	5700648
32	406886	5701375
33	406260	5702103
34	405637	5702837

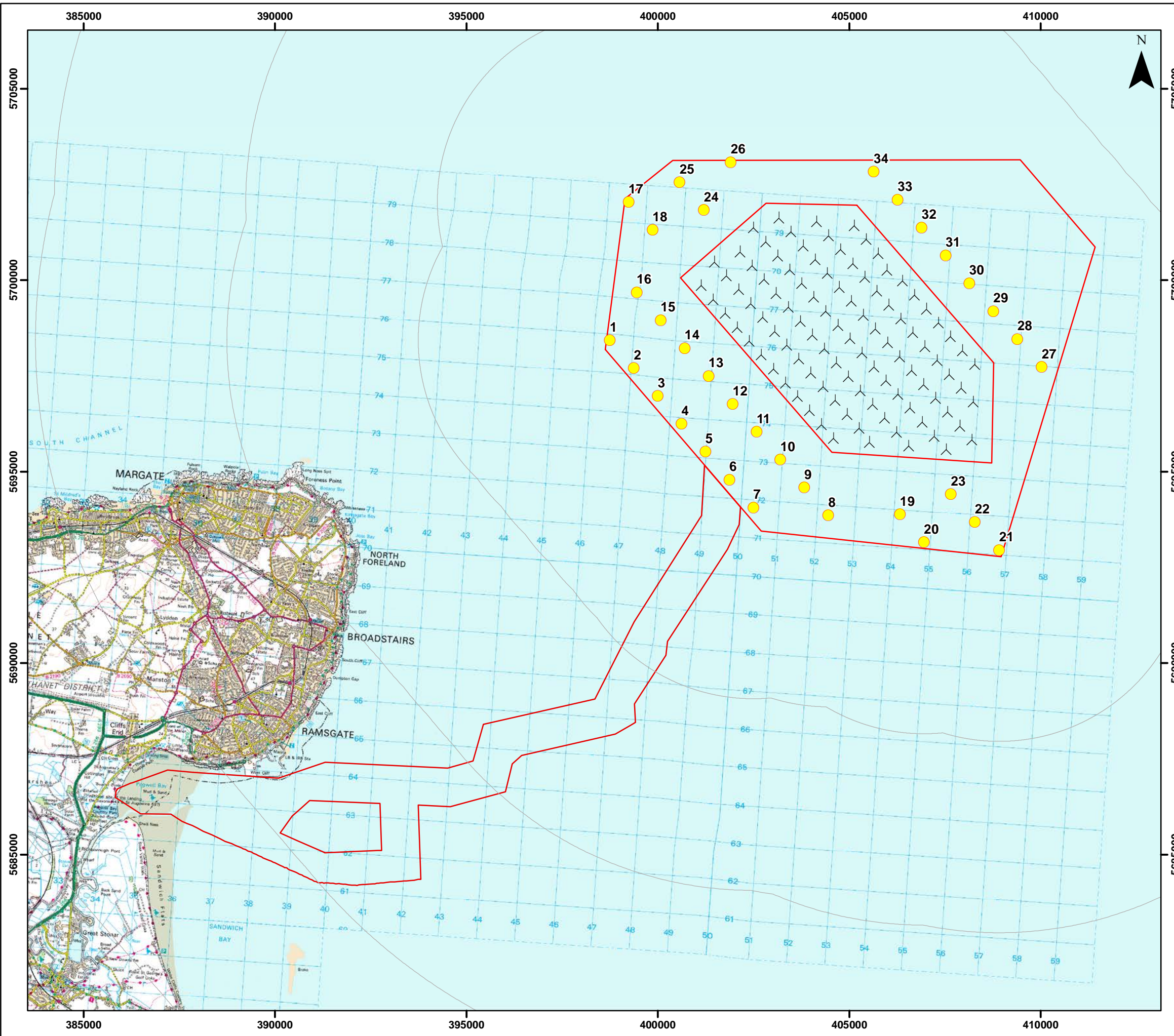
Datum: ETRS 1989  
Projection: UTM31N

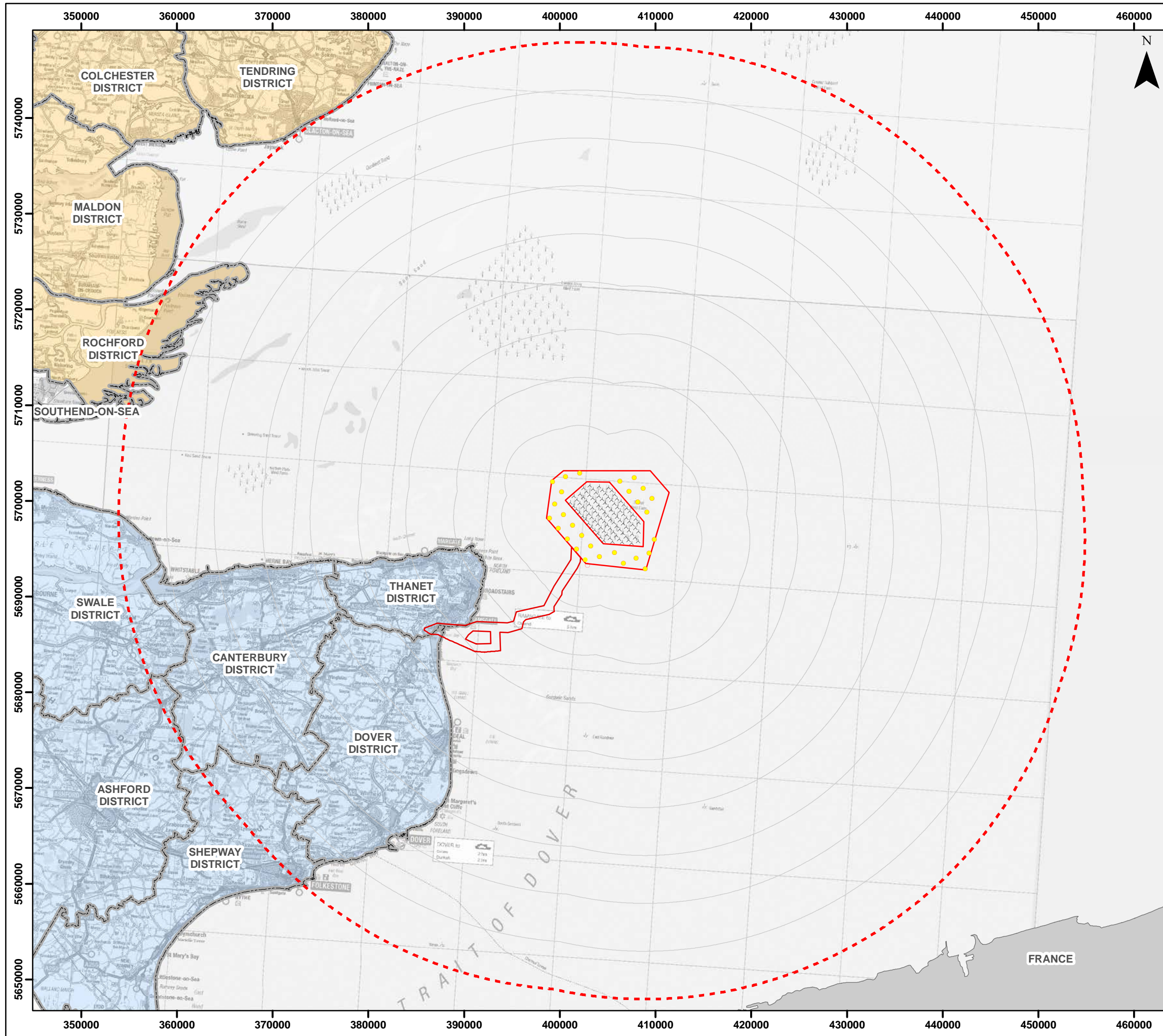


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


Drg No	...Optimum Layout_T34_10MW			<b>Figure 12.2</b>
Rev	0.2	Date	17/05/2018	
By	JM	Layout	THET2018	



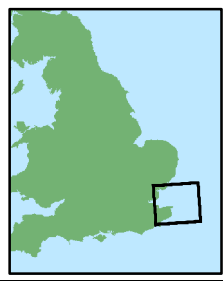


# THANET EXTENSION OFFSHORE WIND FARM

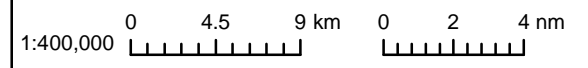
## Figure 12.3 Site Location & SLVIA Study Area

- Legend**
-  Indicative WTG location
  -  TOWF
  -  Offshore Wind Farm Area
  -  5km Radii
  -  45km SLVIA Study Area
  -  District Boundary
  -  County Boundary
  -  Essex County
  -  Kent County

Datum: ETRS 1989  
Projection: UTM31N



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Drg No	...	SLVIA_Fig12-3_SiteLocation
Rev	0.2	Date 17/05/2018
By	JM	Layout THET2018

**Figure  
12.3**

# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.4 Blade Tip ZTV - 45km Study Area

### Legend

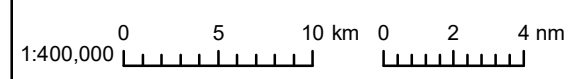
- Indicative WTG location
  - x TOWF
  - Offshore Red Line Boundary
  - 5km Radii
  - 45km SLVIA Study Area
  - Local Authority Boundary
- Blade Tip ZTV**  
No. of Blade Tips Visible
- |  |        |  |         |  |         |
|--|--------|--|---------|--|---------|
|  | 1 - 5  |  | 11 - 14 |  | 20 - 25 |
|  | 6 - 10 |  | 15 - 19 |  | 26 - 28 |

- Viewpoint Location:**
- 1 - Reculver Country Park, Thanet Coastal Path
  - 2 - West Brook POS (Margate)/Thanet Coastal Path
  - 3 - Margate Harbour Wall (Turner Arts Gallery)
  - 4 - Kingsgate/North Foreland, Coastal Path
  - 5 - Broadstairs Promenade
  - 6 - Wellington Crescent, Ramsgate
  - 7 - Deal Pier/Promenade
  - 8 - King's Avenue/Princes Drive, Sandwich Bay Estate
  - 9 - Richborough Castle
  - 10 - St. Margaret's at Cliffe (Coastguard Memorial)
  - 11 - Joss Bay/North Foreland
  - 12 - Stone Bay
  - 13 - Foreness Point/Palm Bay
  - 14 - Walpole Bay (Margate)
  - 15 - Birchington-on-Sea
  - 16 - Manston Road, Isle of Thanet
  - 17 - Broadstairs, Dumpton Gap
  - 18 - England Coastal Path, Sandwich Flats
  - 19 - Betteshanger Country Park
  - 20 - St Peter's Church, Sandwich
  - 21 - Chillenden Mill, PRoW
  - 22 - North Downs Way (Kent Downs AONB)
  - 23 - South Foreland Lighthouse
  - 24 - Dover Castle
  - 25 - Trinity Beacon, Goodwin Sands
  - 26 - Leysdown on Sea / Warden, Isle of Sheppy
  - 27 - Chapel of Saint Peter on the Wall (Maldon District)
  - 28 - Clacton-on-sea (Tendring District)
  - 29 - Foulness Island (Rochford District)

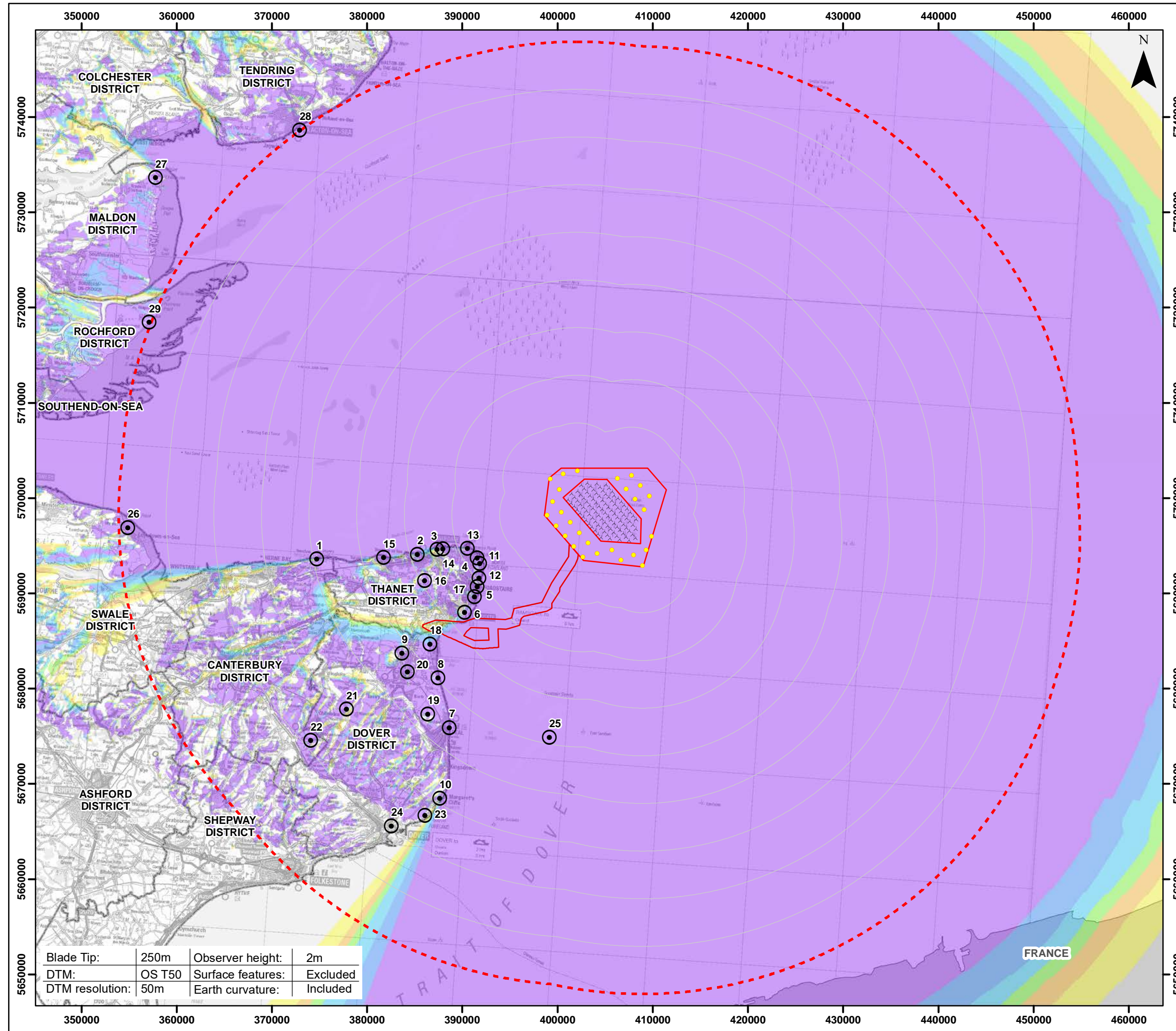
Datum: ETRS 1989  
Projection: UTM31N



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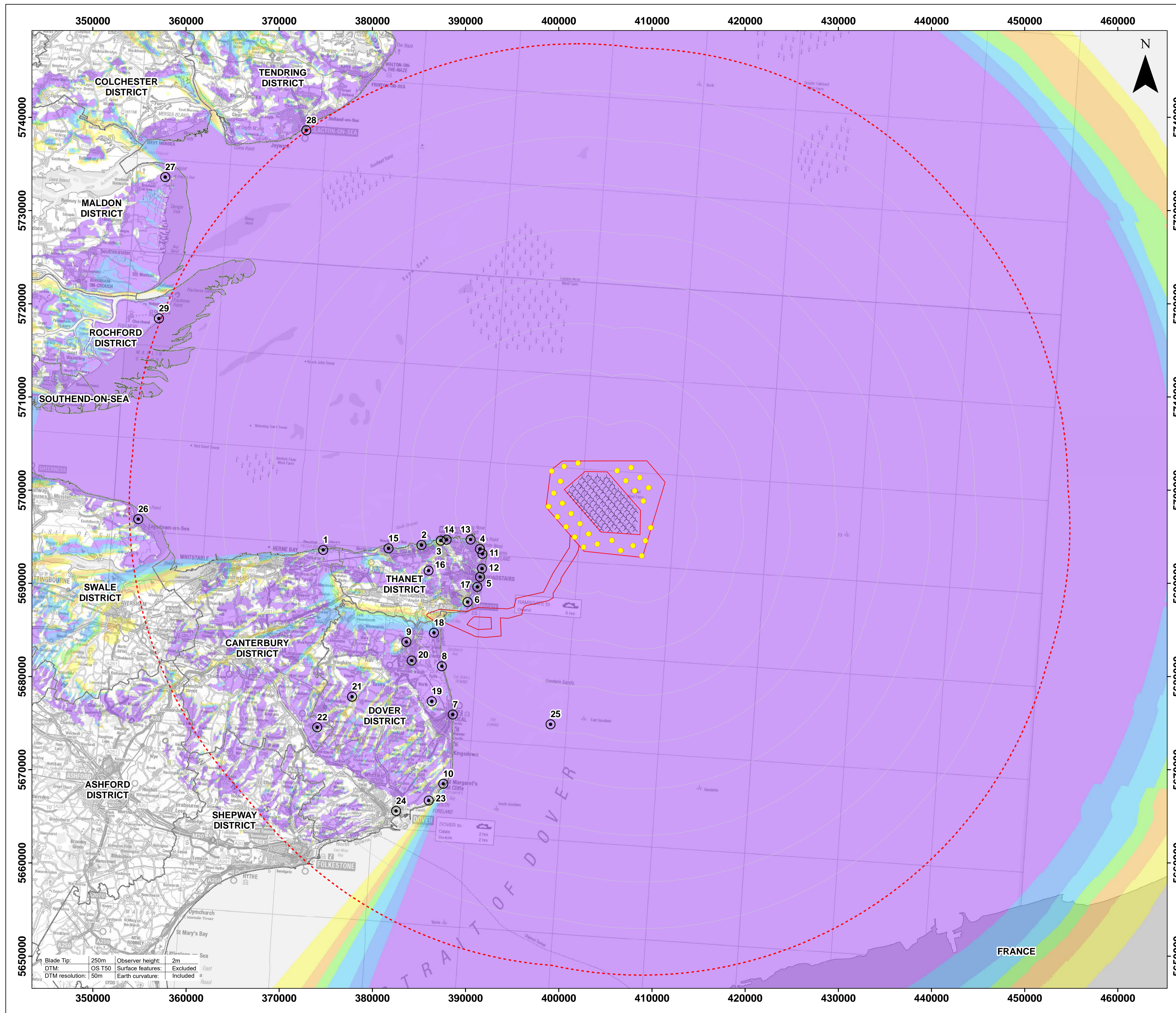


Drng No	... VIA_Fig12-4_ZTV_BT_45km	<b>Figure 12.4</b>
Rev	0.2 Date 17/05/2018	
By	JM Layout THET2018	



Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included





# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.5

### Blade Tip ZTV - 45km Study Area

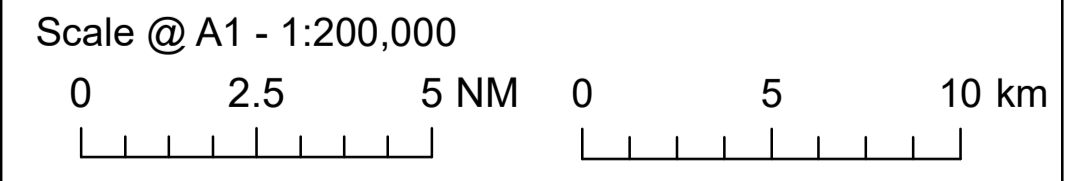
#### Legend

- Indicative WTG location
  - x TOWF
  - Offshore Red Line Boundary
  - 5km Radii
  - 45km SLVIA Study Area
  - Local Authority Boundary
- Blade Tip ZTV**  
No. of Blade Tips Visible
- |        |         |         |
|--------|---------|---------|
| 1 - 5  | 11 - 14 | 20 - 25 |
| 6 - 10 | 15 - 19 | 26 - 28 |

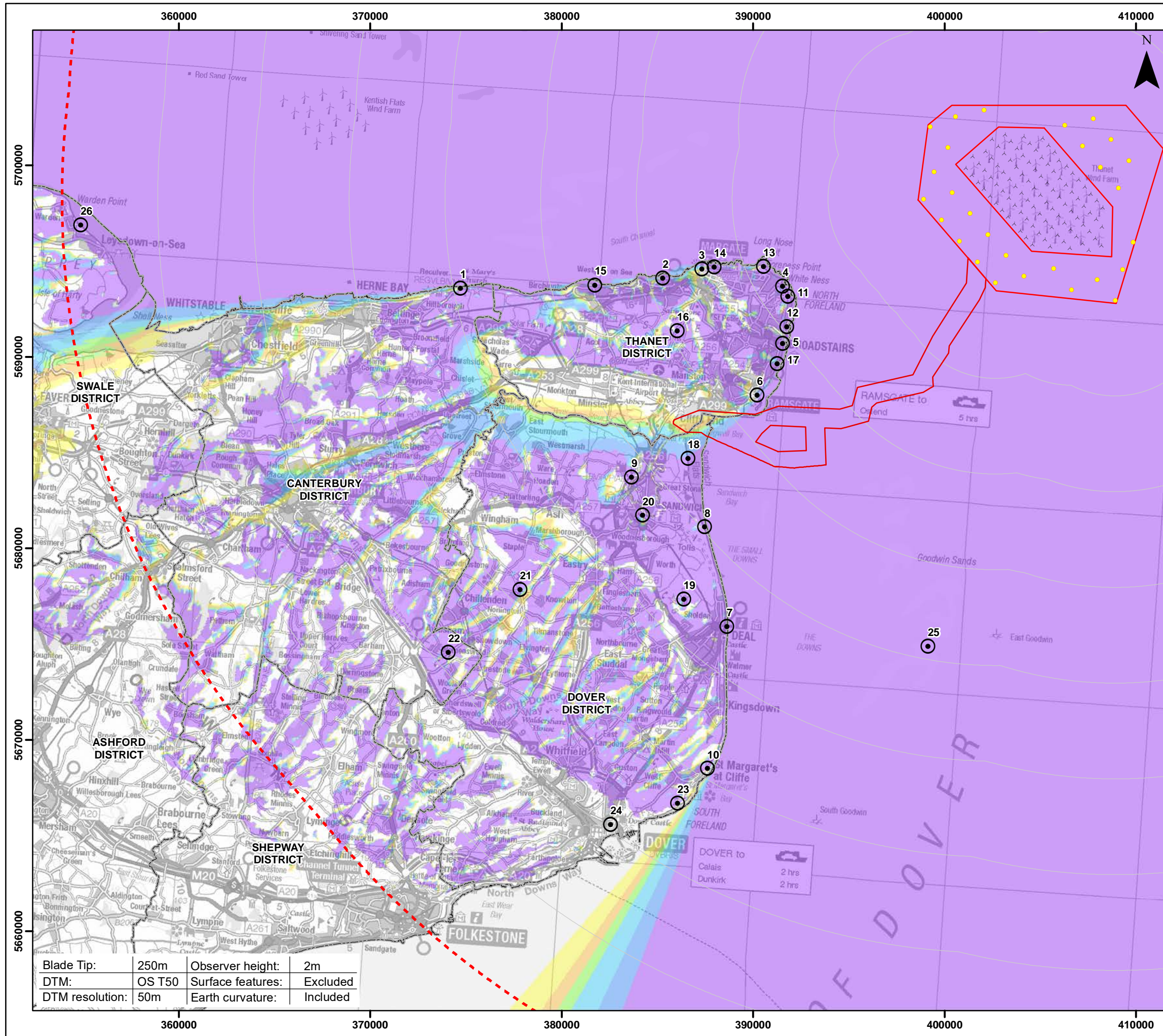
- Viewpoint Location:**
- 1 - Reculver Country Park, Thanet Coastal Path
  - 2 - West Brook POS (Margate)/Thanet Coastal Path
  - 3 - Margate Harbour Wall (Turner Arts Gallery)
  - 4 - Kingsgate/North Foreland, Coastal Path
  - 5 - Broadstairs Promenade
  - 6 - Wellington Crescent, Ramsgate
  - 7 - Deal Pier/Promenade
  - 8 - King's Avenue/Princes Drive, Sandwich Bay Estate
  - 9 - Richborough Castle
  - 10 - St. Margaret's at Cliffe (Coastguard Memorial)
  - 11 - Joss Bay/North Foreland
  - 12 - Stone Bay
  - 13 - Foreness Point/Palm Bay
  - 14 - Walpole Bay (Margate)
  - 15 - Birchington-on-Sea
  - 16 - Manston Road, Isle of Thanet
  - 17 - Broadstairs, Dumpton Gap
  - 18 - England Coastal Path, Sandwich Flats
  - 19 - Betteshanger Country Park
  - 20 - St Peter's Church, Sandwich
  - 21 - Chillenden Mill, PRoW
  - 22 - North Downs Way (Kent Downs AONB)
  - 23 - South Foreland Lighthouse
  - 24 - Dover Castle
  - 25 - Trinity Beacon, Goodwin Sands
  - 26 - Leysdown on Sea / Warden, Isle of Sheppy
  - 27 - Chapel of Saint Peter on the Wall (Maldon District)
  - 28 - Clacton-on-sea (Tending District)
  - 29 - Foulness Island (Rochford District)



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Drg No	...IA_Fig12-5_ZTV_BT_45km_A1	<b>Figure 12.5</b>	
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.6 Blade Tip ZTV - Kent

### Legend

- Indicative WTG location
- ⋈ TOWF
- Offshore Red Line Boundary
- 5km Radii
- - - 45km SLVIA Study Area
- ▭ Local Authority Boundary

### Blade Tip ZTV No. of Blade Tips Visible

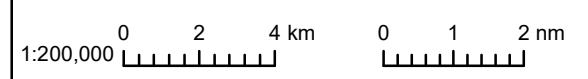
- |        |         |         |
|--------|---------|---------|
| 1 - 5  | 11 - 14 | 20 - 25 |
| 6 - 10 | 15 - 19 | 26 - 28 |

- ⊙ Viewpoint Location:
- 1 - Reculver Country Park, Thanet Coastal Path
  - 2 - West Brook POS (Margate)/Thanet Coastal Path
  - 3 - Margate Harbour Wall (Turner Arts Gallery)
  - 4 - Kingsgate/North Foreland, Coastal Path
  - 5 - Broadstairs Promenade
  - 6 - Wellington Crescent, Ramsgate
  - 7 - Deal Pier/Promenade
  - 8 - King's Avenue/Princes Drive, Sandwich Bay Estate
  - 9 - Richborough Castle
  - 10 - St. Margaret's at Cliffe (Coastguard Memorial)
  - 11 - Joss Bay/North Foreland
  - 12 - Stone Bay
  - 13 - Foreness Point/Palm Bay
  - 14 - Walpole Bay (Margate)
  - 15 - Birchington-on-Sea
  - 16 - Manston Road, Isle of Thanet
  - 17 - Broadstairs, Dumpton Gap
  - 18 - England Coastal Path, Sandwich Flats
  - 19 - Betteshanger Country Park
  - 20 - St Peter's Church, Sandwich
  - 21 - Chillenden Mill, PRoW
  - 22 - North Downs Way (Kent Downs AONB)
  - 23 - South Foreland Lighthouse
  - 24 - Dover Castle
  - 25 - Trinity Beacon, Goodwin Sands
  - 26 - Leysdown on Sea / Warden, Isle of Sheppey

Datum: ETRS 1989  
Projection: UTM31N

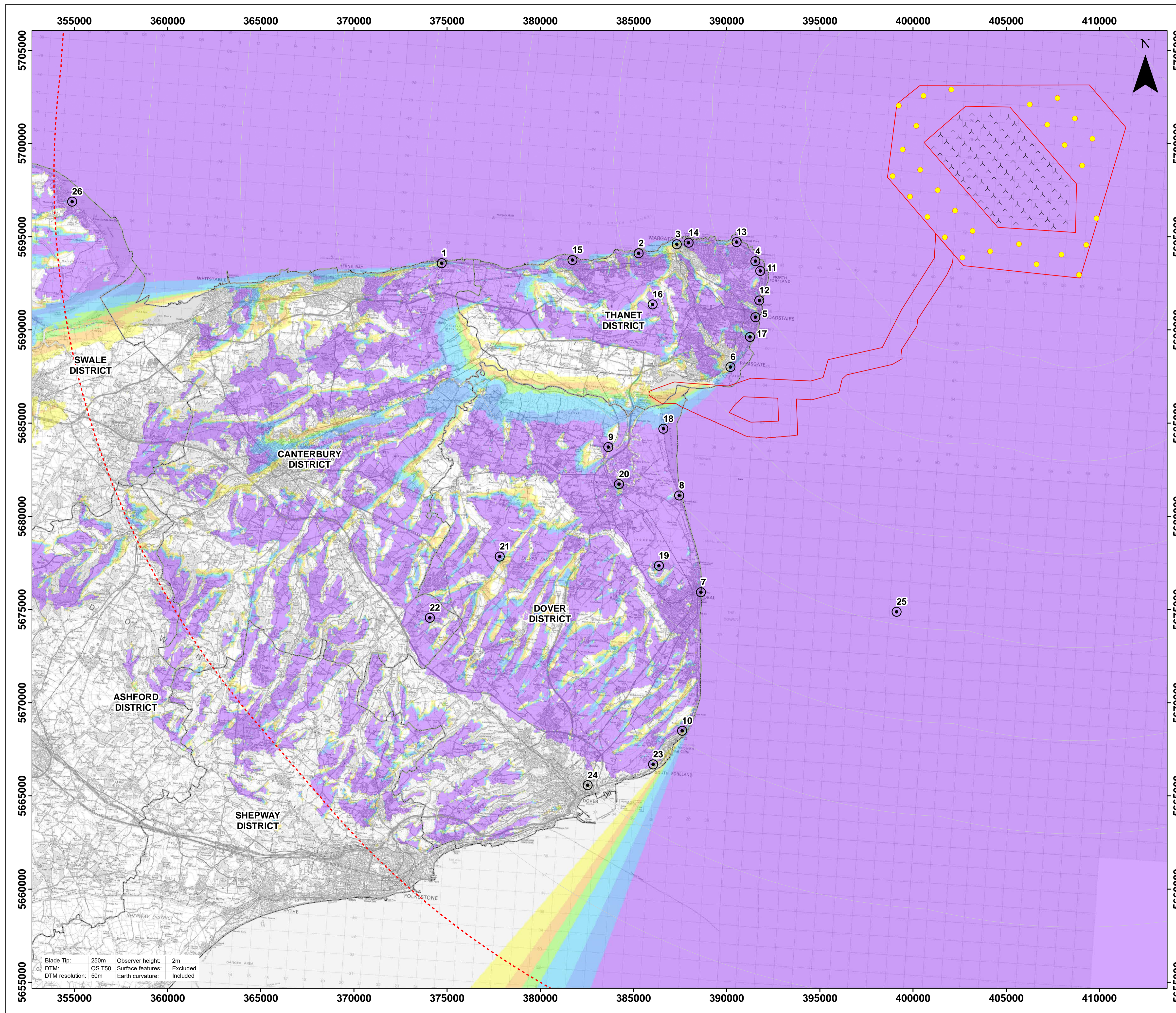


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Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included

Drq No	...LVIA_Fig12-6_ZTV_BT_Kent	<b>Figure 12.6</b>
Rev	0.2 Date 17/05/2018	
By	JM Layout THET2018	



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.7 Blade Tip ZTV - Kent

**Legend**

- Indicative WTG location
- ⋈ TOWF
- ▭ Offshore Red Line Boundary
- ▭ 5km Radii
- ▭ 45km SLVIA Study Area
- ▭ Local Authority Boundary

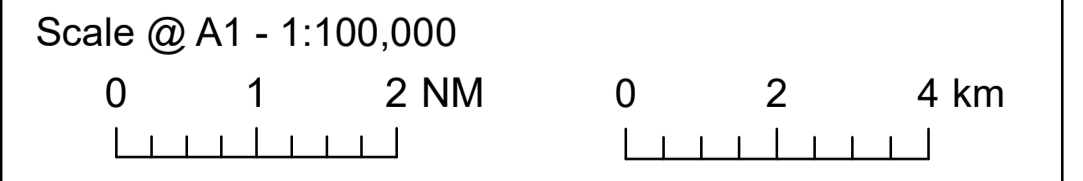
**Blade Tip ZTV**  
No. of Blade Tips Visible

1 - 5	11 - 14	20 - 25
6 - 10	15 - 19	26 - 28

- ⊙ Viewpoint Location:
- 1 - Reculver Country Park, Thanet Coastal Path
  - 2 - West Brook POS (Margate)/Thanet Coastal Path
  - 3 - Margate Harbour Wall (Turner Arts Gallery)
  - 4 - Kingsgate/North Foreland, Coastal Path
  - 5 - Broadstairs Promenade
  - 6 - Wellington Crescent, Ramsgate
  - 7 - Deal Pier/Promenade
  - 8 - King's Avenue/Princes Drive, Sandwich Bay Estate
  - 9 - Richborough Castle
  - 10 - St. Margaret's at Cliffe (Coastguard Memorial)
  - 11 - Joss Bay/North Foreland
  - 12 - Stone Bay
  - 13 - Foreness Point/Palm Bay
  - 14 - Walpole Bay (Margate)
  - 15 - Birchington-on-Sea
  - 16 - Manston Road, Isle of Thanet
  - 17 - Broadstairs, Dumpton Gap
  - 18 - England Coastal Path, Sandwich Flats
  - 19 - Betteshanger Country Park
  - 20 - St Peter's Church, Sandwich
  - 21 - Chillenden Mill, PRoW
  - 22 - North Downs Way (Kent Downs AONB)
  - 23 - South Foreland Lighthouse
  - 24 - Dover Castle
  - 25 - Trinity Beacon, Goodwin Sands
  - 26 - Leysdown on Sea / Warden, Isle of Sheppy

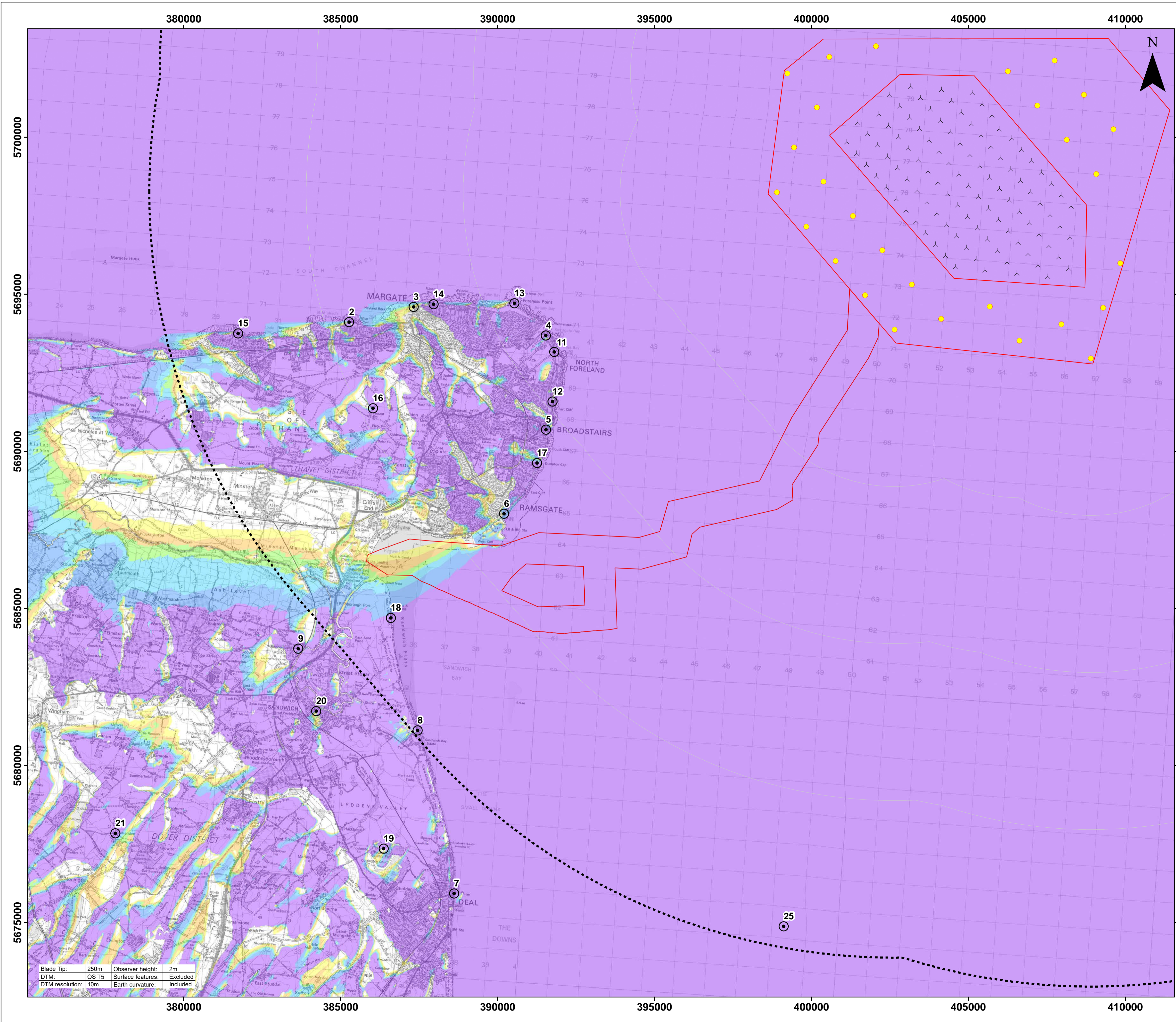


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Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included

Drg No	...IA_Fig12-7_ZTV_BT_Kent_A1	<b>Figure 12.7</b>	
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.8 Blade Tip ZTV - 20km

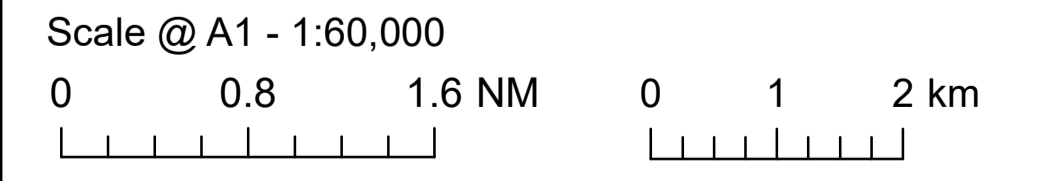
### Legend

- Indicative WTG location
  - ▲ TOWF
  - Offshore Red Line Boundary
  - 5km Radii
  - 20km Radius
- Blade Tip ZTV**  
No. of Blade Tips Visible
- |        |         |         |
|--------|---------|---------|
| 1 - 5  | 11 - 14 | 20 - 25 |
| 6 - 10 | 15 - 19 | 26 - 28 |

- Viewpoint Location:**
- 2 - West Brook POS (Margate)/Thanet Coastal Path
  - 3 - Margate Harbour Wall (Turner Arts Gallery)
  - 4 - Kingsgate/North Foreland, Coastal Path
  - 5 - Broadstairs Promenade
  - 6 - Wellington Crescent, Ramsgate
  - 7 - Deal Pier/Promenade
  - 8 - King's Avenue/Princes Drive, Sandwich Bay Estate
  - 9 - Richborough Castle
  - 11 - Joss Bay/North Foreland
  - 12 - Stone Bay
  - 13 - Foreness Point/Palm Bay
  - 14 - Walpole Bay (Margate)
  - 15 - Birchington-on-Sea
  - 16 - Manston Road, Isle of Thanet
  - 17 - Broadstairs, Dumpton Gap
  - 18 - England Coastal Path, Sandwich Flats
  - 19 - Betteshanger Country Park
  - 20 - St Peter's Church, Sandwich
  - 21 - Chillenden Mill, PRow
  - 25 - Trinity Beacon, Goodwin Sands



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Blade Tip:	250m	Observer height:	2m
DTM:	OS T5	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included

Drg No	...12-8_ZTV_BT_Kent_20km_A1	<b>Figure 12.8</b>	
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018

# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.9 Hub Height ZTV - Kent

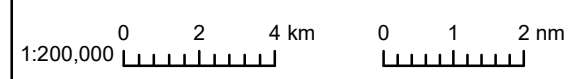
### Legend

- Indicative WTG location
  - △ TOWF
  - ▭ Offshore Red Line Boundary
  - ▭ 5km Radii
  - ▭ 45km SLVIA Study Area
  - ▭ Local Authority Boundary
- Blade Tip ZTV**  
No. of Blade Tips Visible
- |        |         |         |
|--------|---------|---------|
| 1 - 5  | 11 - 14 | 20 - 25 |
| 6 - 10 | 15 - 19 | 26 - 28 |
- ⊙ Viewpoint
- 1 - Reculver Country Park, Thanet Coastal Path
  - 2 - West Brook POS (Margate)/Thanet Coastal Path
  - 3 - Margate Harbour Wall (Turner Arts Gallery)
  - 4 - Kingsgate/North Foreland, Coastal Path
  - 5 - Broadstairs Promenade
  - 6 - Wellington Crescent, Ramsgate
  - 7 - Deal Pier/Promenade
  - 8 - King's Avenue/Princes Drive, Sandwich Bay Estate
  - 9 - Richborough Castle
  - 10 - St. Margaret's at Cliffe (Coastguard Memorial)
  - 11 - Joss Bay/North Foreland
  - 12 - Stone Bay
  - 13 - Foreness Point/Palm Bay
  - 14 - Walpole Bay (Margate)
  - 15 - Birchington-on-Sea
  - 16 - Manston Road, Isle of Thanet
  - 17 - Broadstairs, Dumpton Gap
  - 18 - England Coastal Path, Sandwich Flats
  - 19 - Betteshanger Country Park
  - 20 - St Peter's Church, Sandwich
  - 21 - Chillenden Mill, PROW
  - 22 - North Downs Way (Kent Downs AONB)
  - 23 - South Foreland Lighthouse
  - 24 - Dover Castle
  - 25 - Trinity Beacon, Goodwin Sands
  - 26 - Leysdown on Sea / Warden, Isle of Sheppy

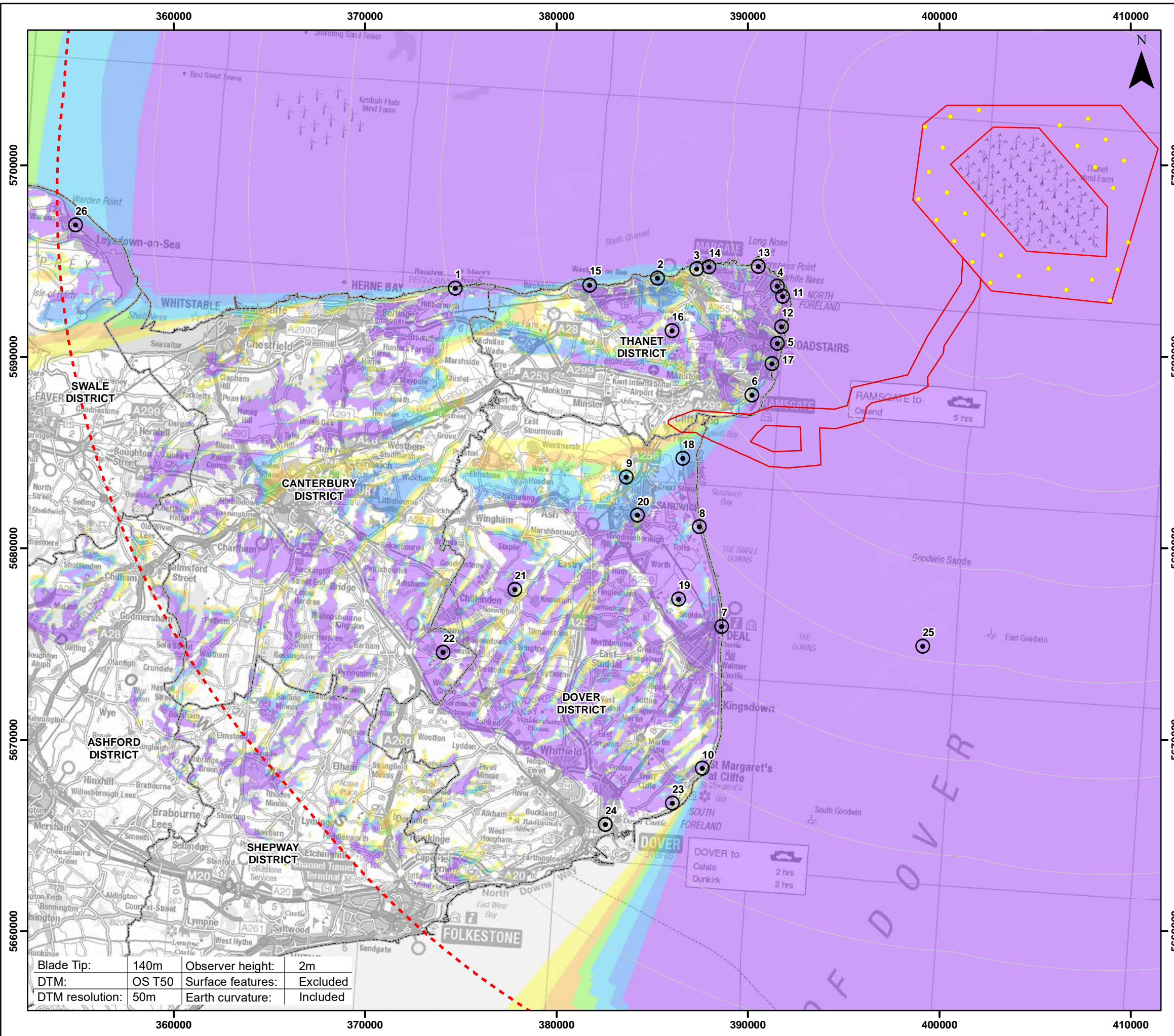
Datum: ETRS 1989  
Projection: UTM31N



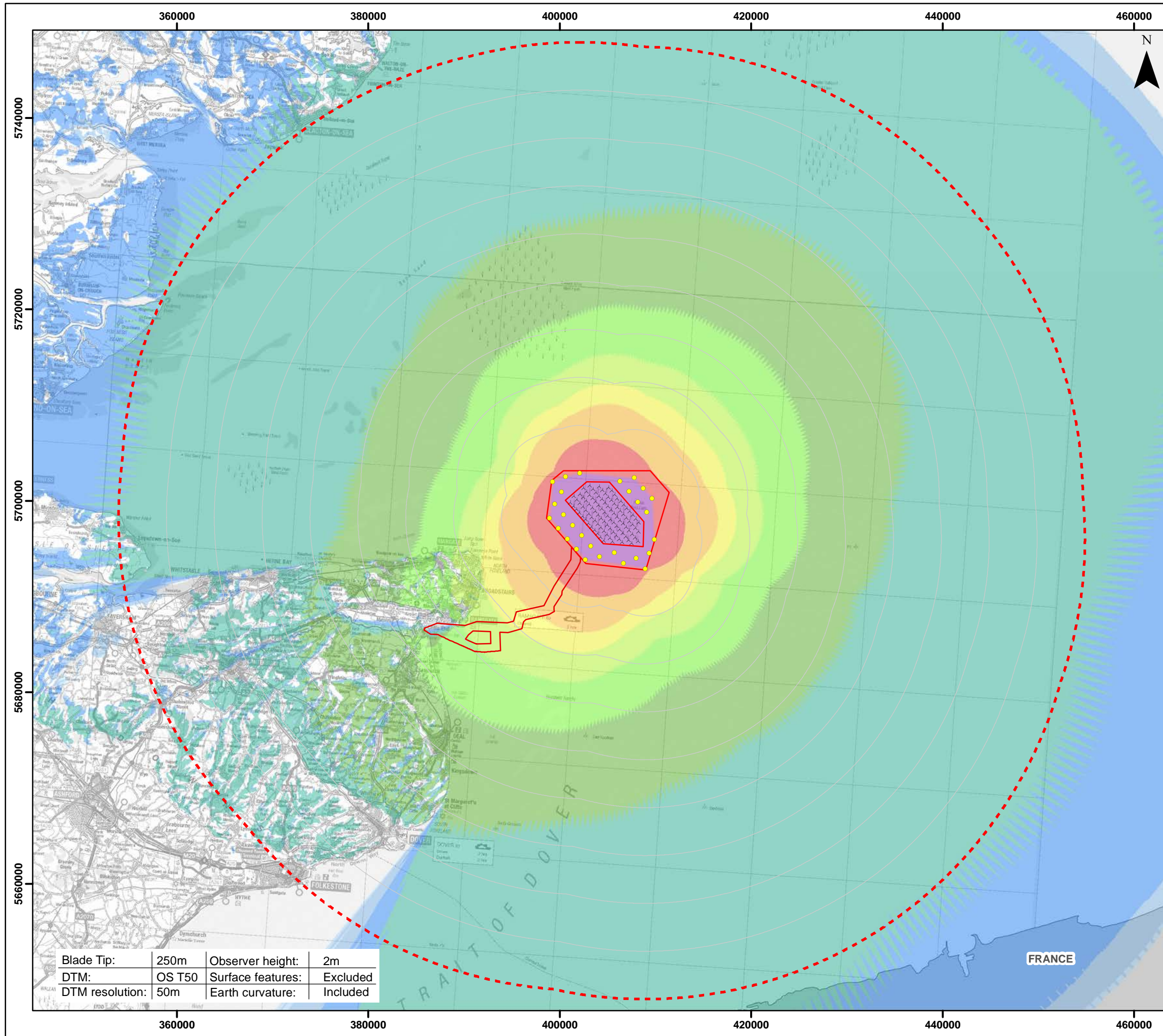
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Drq No	...	VIA_Fig12-9_ZTV_HH_Kent	<b>Figure 12.9</b>
Rev	0.2	Date 17/05/2018	
By	JM	Layout THET2018	



Blade Tip:	140m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.10 Horizontal Blade Tip ZTV

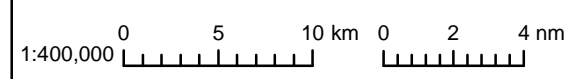
### Legend

- Indicative WTG location
  - ✕ TOWF
  - ▭ Offshore Red Line Boundary
  - 5km Radii
  - ▭ 45km SLVIA Study Area
- Horizontal Angle Blade Tip ZTV  
Angle in Degrees <sup>1</sup>
- |        |         |           |
|--------|---------|-----------|
| 0      | 10 - 20 | 50 - 60   |
| 0 - 1  | 20 - 30 | 60 - 90   |
| 1 - 5  | 30 - 40 | 90 - 180  |
| 5 - 10 | 40 - 50 | 180 - 360 |

Notes  
<sup>1</sup>The horizontal angle ZTV measures how much of the horizontal field of view is occupied by the Development. It is calculated from a grid of receptors in the study area and measures the maximum angle from the furthest left to the furthest right extent of the Development.

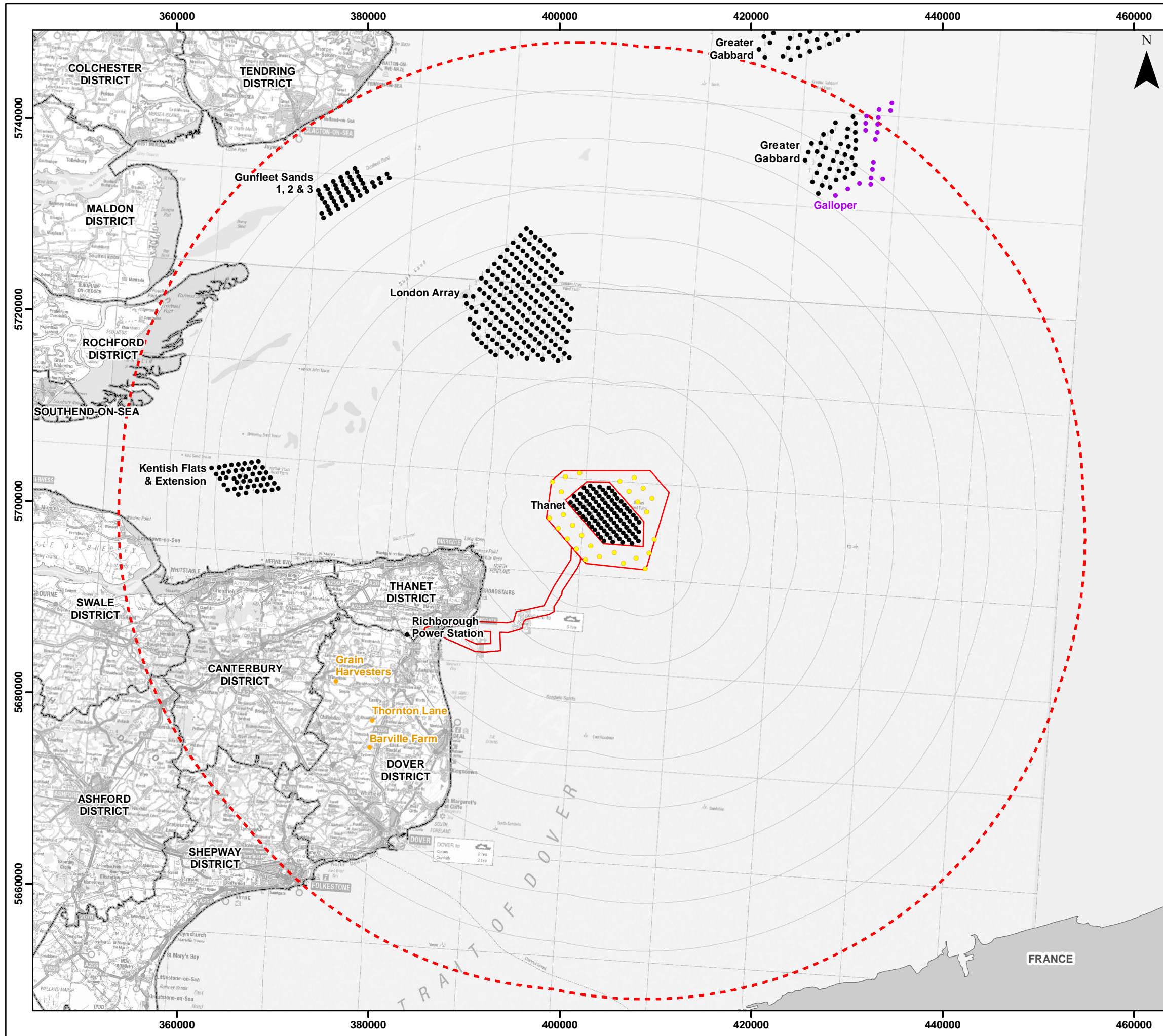
Datum: ETRS 1989  
 Projection: UTM31N

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Drg No	...	Fig12-10_HZTV_BT_45km	<b>Figure 12.10</b>
Rev	0.2	Date 17/05/2018	
By	JM	Layout THET2018	

Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included



# THANET EXTENSION OFFSHORE WIND FARM

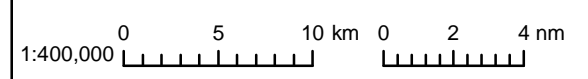
**Figure 12.11**  
Other Wind Energy Developments

- Legend**
- Indicative WTG location
  - ▭ Offshore Red Line Boundary
  - 5km Radii
  - ▭ 45km SLVIA Study Area
  - ▭ Local Authority Boundary
- Wind Farm Status**
- Operational
  - Under Construction
  - Scoping

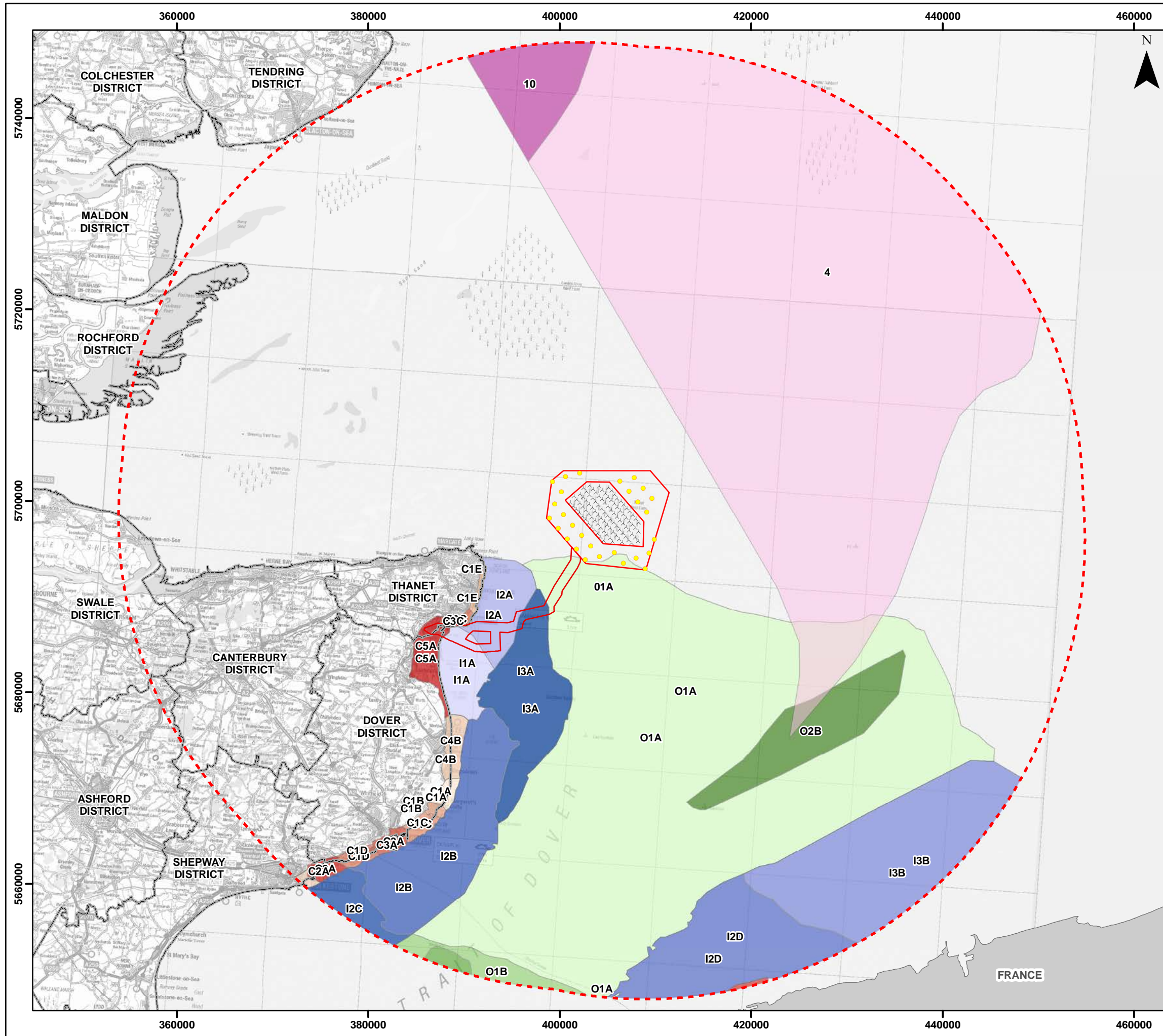
Datum: ETRS 1989  
Projection: UTM31N



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Drg No	...	SLVIA_Fig12-11_CWF_45km		<b>Figure 12.11</b>
Rev	0.2	Date	17/05/2018	
By	JM	Layout	THET2018	



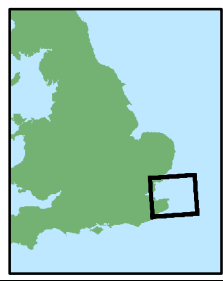
# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.12a**  
Seascape Character

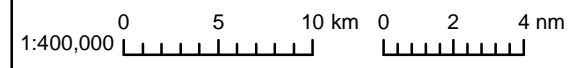
- Legend**
- Indicative WTG location
  - × TOWF
  - Offshore Red Line Boundary
  - - - 45km SLVIA Study Area

See Figure 12.12b for seascape character legend

Datum: ETRS 1989  
Projection: UTM31N



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Data Source: Dover Strait Seascape Assessment, 2015  
Seascape Characterisation around the English Coast, Oct 2012



Drg No	... SLVIA_Fig12-12a_Seascape	<b>Figure 12.12a</b>	
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018



# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.12b**  
Seascape Character  
Legend

Dover Strait Seascape Assessment, 2015


Offshore Shipping Channels

 O1A. Dover Strait Channel (North)

 O1B. Dover Strait Channel (South)

Offshore Sandbanks and Shoals

 O2A. The Varne - Le Colbart Ridge and Les Ridens

 O2B. Sandette Bank

Inshore Bays


 I1A. Sandwich & Pegwell Bays

Active Inshore Waters

 I2A. Broadstairs Knolls & Ramsgate Road

 I2B. Inshore Dover Strait, The Downs & Trinity Bay

 I2C. Folkestone Pomerania

 I2D. Zone d'approche de Calais

Inshore Sandbanks and Shoals

 I3A. Goodwin Sands, Gull Stream & North Sand Head

 I3B. Bancs Des Flandres

Chalk Cliffs and Reefs/Coastal Waters

 C1A. Kingsdown Chalk Cliffs

 C1B. St Margaret's Bay

 C1C. White Cliffs of Dover


 C1D. Shakespeare and Abbot's Cliffs


 C1E. Broadstairs to North Foreland

Greensand Cliffs and Reefs/Coastal Water

 C2A. Greensand Cliffs and Reefs/Coastal Waters

Ports, Harbours and Seafront Development

 C3A. Dover Port, Harbour and Historic Defences

 C3B. Folkestone Harbour & Seafront

 C3C. Ramsgate Harbour

Shingle Beaches and Coastal Waters

 C4B. Deal Seafront & Deal Bank

Tidal Estuaries and Flats

 C5A. Sandwich & Pegwell Bays

Seascape Characterisation around the  
English Coast, Oct 2012  
East Inshore Area

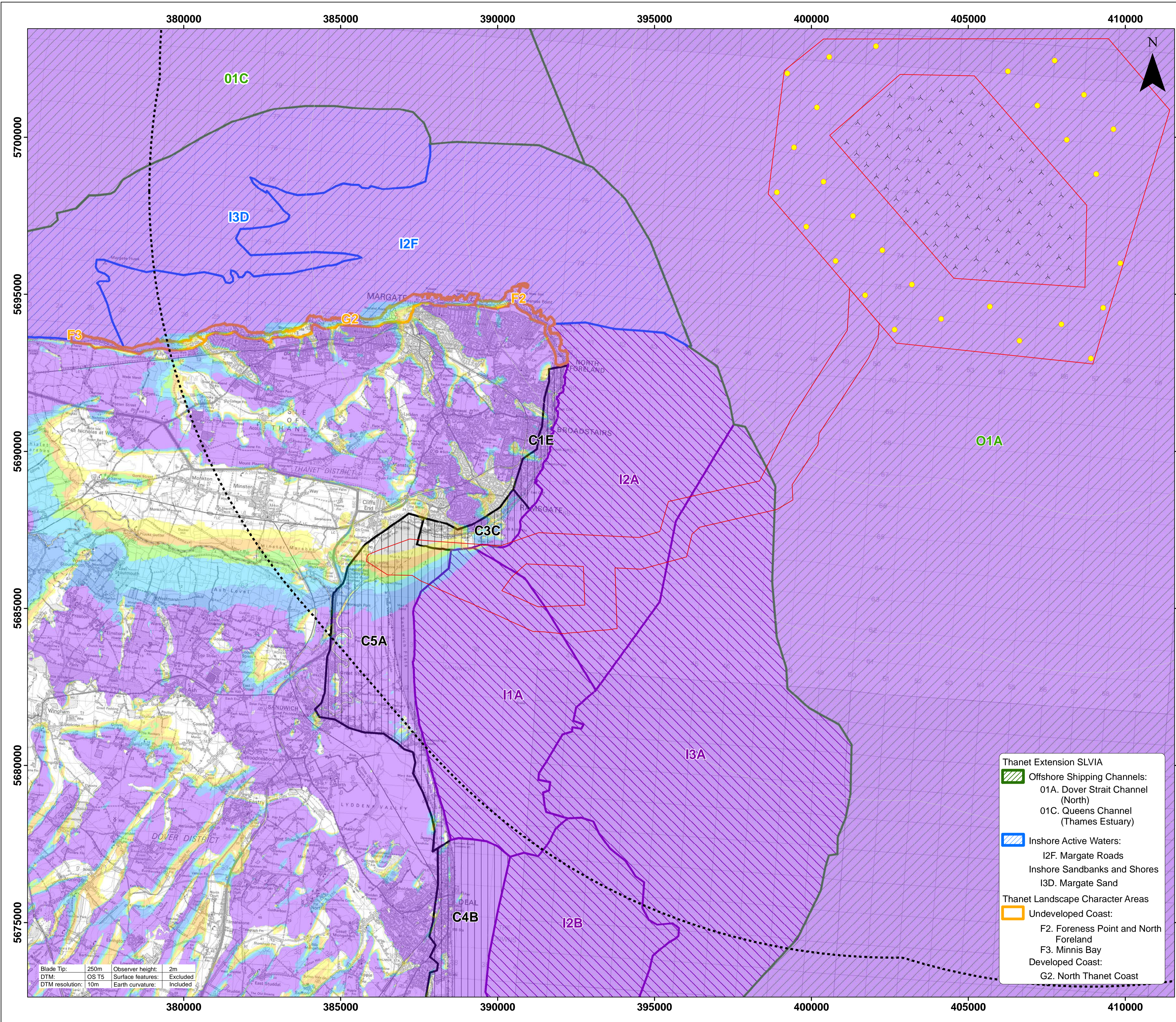
 4. East Anglian Shipping Waters

 10. Suffolk Coastal Waters

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Data Source: Dover Strait Seascape Assessment, 2015  
Seascape Characterisation around the English Coast,  
Oct 2012

Drg No	... ig12-12b_Seascape_Legend		
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018

**Figure  
12.12b**



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.13 Seascape Character - 20km

### Legend

- Indicative WTG location
  - ✶ TOWF
  - Offshore Red Line Boundary
  - 5km Radii
  - 20km Radius
- Blade Tip ZTV**  
No. of Blade Tips Visible
- |  |        |  |         |  |         |
|--|--------|--|---------|--|---------|
|  | 1 - 5  |  | 11 - 14 |  | 20 - 25 |
|  | 6 - 10 |  | 15 - 19 |  | 26 - 28 |

- Dover Strait Seascape Assessment, 2015**
- Offshore Shipping Channels  
O1A. Dover Strait Channel (North)
  - Inshore  
Inshore Bays:  
I1A. Sandwich & Pegwell Bays  
Active Inshore Waters:  
I2A. Broadstairs Knolls & Ramsgate Road  
I2B. Inshore Dover Strait, The Downs & Trinity Bay  
Inshore Sandbanks and Shoals:  
I3A. Goodwin Sands, Gull Stream & North Sand Head
  - Coastal:  
Chalk Cliffs and Reefs/Coastal Waters:  
C1E. Broadstairs to North Foreland  
Ports, Harbours & Seafront Development  
C3C. Ramsgate Harbour  
Shingle Beaches & Coastal Waters  
C4B. Deal Seafront & Deal Bank  
Tidal Estuaries and Flats  
C5A. Sandwich & Pegwell Bays

- Thanet Extension SLVIA**
- Offshore Shipping Channels:  
O1A. Dover Strait Channel (North)  
O1C. Queens Channel (Thames Estuary)
  - Inshore Active Waters:  
I2F. Margate Roads  
Inshore Sandbanks and Shores  
I3D. Margate Sand
  - Thanet Landscape Character Areas**
  - Undeveloped Coast:  
F2. Foreness Point and North Foreland  
F3. Minnis Bay  
Developed Coast:  
G2. North Thanet Coast



Datum: ETRS 1989  
Projection: UTM31N

Blade Tip: 250m Observer height: 2m  
DTM: OS T5 Surface features: Excluded  
DTM resolution: 10m Earth curvature: Included

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Scale @ A1 - 1:60,000  
0 0.8 1.6 NM 0 1 2 km

Drq No	...-13_Seascape_Kent_20km_A1	<b>Figure 12.13</b>	
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018

# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.14**  
Landscape Character Area (National & County)

**Legend**

- Indicative WTG location
- ⋈ TOWF
- Offshore Red Line Boundary
- - - 45km SLVIA Study Area
- - - National Character Area

**Essex Landscape Character Assessment, 2003**

- F3. Dengie & Foulness Coast
- F7. Brightlingsea-Clacton-Frinton Coast

**The Landscape Assessment of Kent, Oct. 2004**

**Kent Downs**

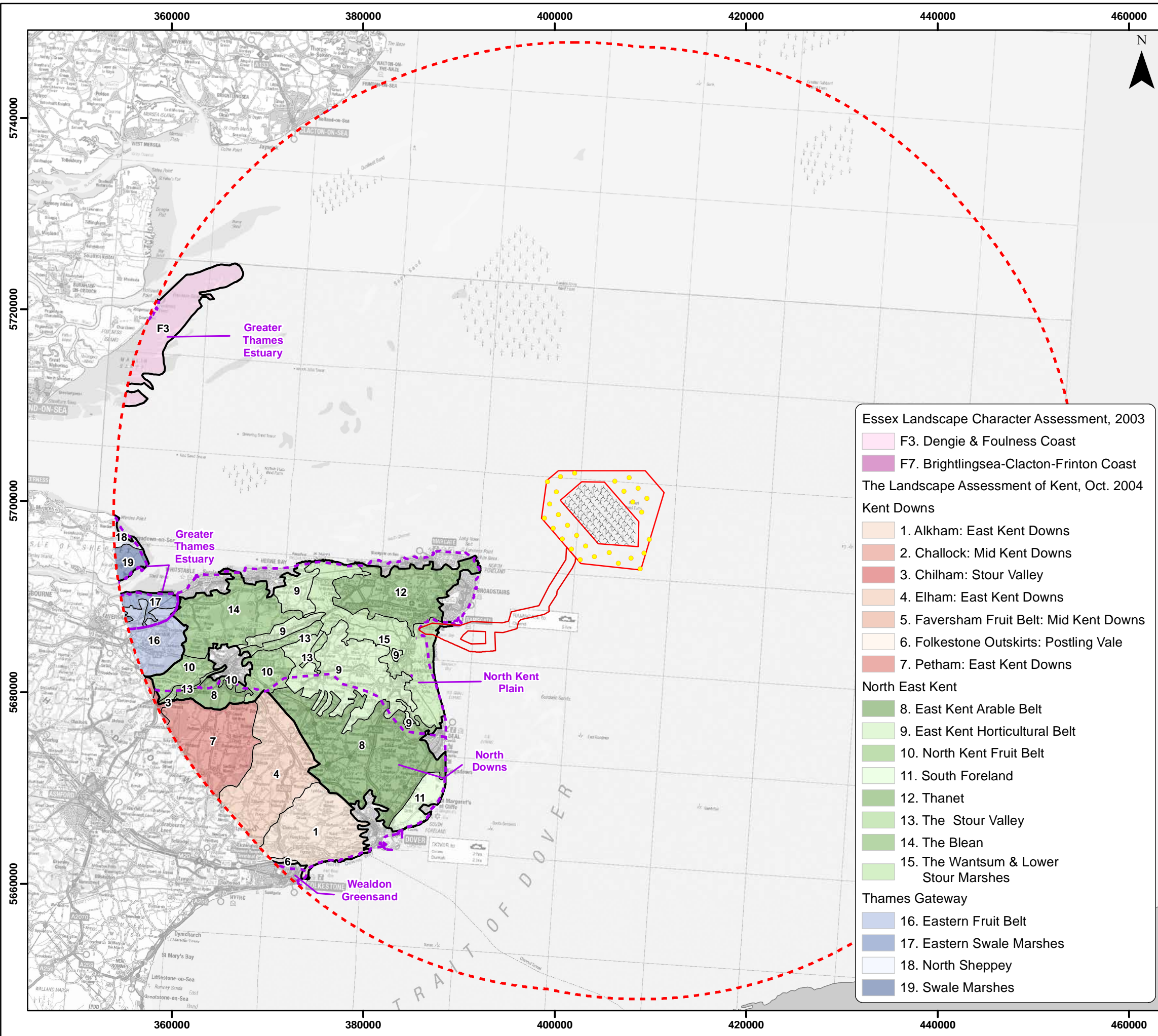
- 1. Alkham: East Kent Downs
- 2. Challock: Mid Kent Downs
- 3. Chilham: Stour Valley
- 4. Elham: East Kent Downs
- 5. Faversham Fruit Belt: Mid Kent Downs
- 6. Folkestone Outskirts: Postling Vale
- 7. Petham: East Kent Downs

**North East Kent**

- 8. East Kent Arable Belt
- 9. East Kent Horticultural Belt
- 10. North Kent Fruit Belt
- 11. South Foreland
- 12. Thanet
- 13. The Stour Valley
- 14. The Blean
- 15. The Wantsum & Lower Stour Marshes

**Thames Gateway**

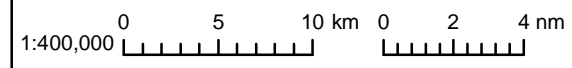
- 16. Eastern Fruit Belt
- 17. Eastern Swale Marshes
- 18. North Sheppey
- 19. Swale Marshes



Datum: ETRS 1989  
Projection: UTM31N

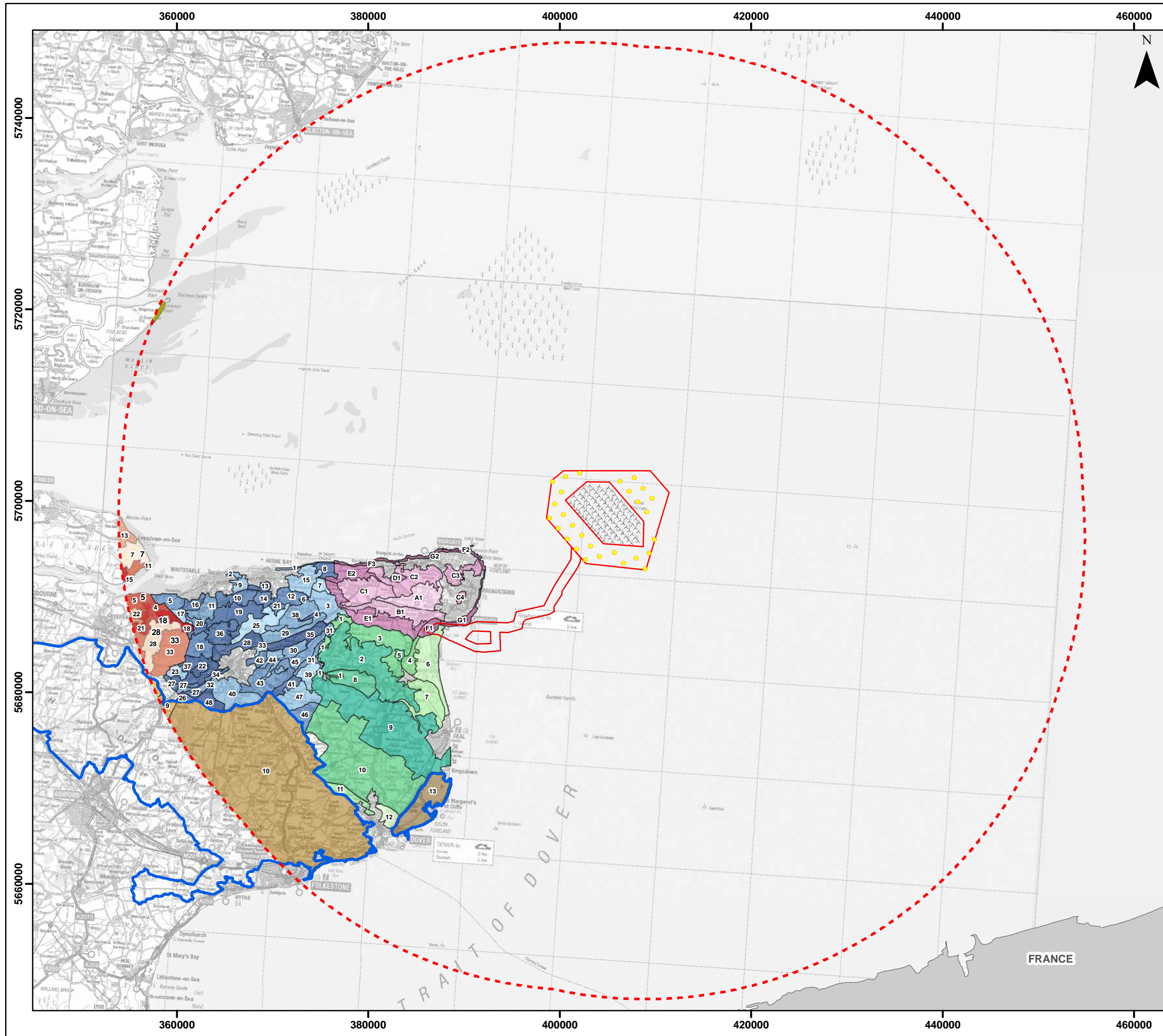


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Drg No	..._Fig12-14_LCA_Nat_County		
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018

**Figure 12.14**



# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.15a**  
Landscape Character  
Area (District)

**Legend**

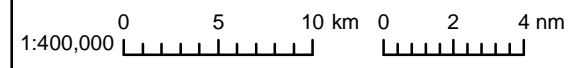
- Indicative WTG location
- x TOWF
- Offshore Red Line Boundary
- 45km SLVIA Study Area
- Kent Downs AONB <sup>1</sup>

See Figure 12.15b for district landscape character area legend

Datum: ETRS 1989  
Projection: UTM31N



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<sup>1</sup> Contains, or is based on, information supplied by Natural England, 2017



Drg No	...VIA_Fig12-15a_LCA_District	<b>Figure 12.15a</b>
Rev	0.2 Date 17/05/2018	
By	JM Layout THET2018	

# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.15b Landscape Character Area (District) Legend

- Chalk Plateau
  - A1. Manston Chalk Plateau
- Chalk Slopes
  - B1. Wantsum North Slopes
- Undulating Chalk Farmland
  - C1. St. Nicholas at Wade Undulating Chalk Farmland
  - C2. Central Thanet Undulating Chalk Farmland
  - C3. St. Peters Undulating Chalk Farmland
  - C4. Newland Farm
- Parklands & Estates
  - D1. Quex Park
- Marshes
  - E1. Stour Marshes
  - E2. Wade Marshes
- Undeveloped Coast
  - F1. Pegwell Bay
  - F2. Foreness Point & North Foreland
  - F3. Minnis Bay
- Developed Coast
  - G1. Ramsgate & Broadstairs Cliffs
  - G2. North Thanet Coast
- Swale Landscape Character and Biodiversity Appraisal, Supplementary Planning Document, September 2011
  - 3. Goodnestone Grasslands
  - 4. Graveney Grazing Lands
  - 5. Graveney Marshes
  - 6. Ham Marshes
  - 7. Leysdown and Eastchurch Marshes
  - 8. Luddenham and Conyer Marshes
  - 11. South Sheppey Saltmarshes and Mudflats
  - 13. Central Sheppey Farmlands
  - 15. Isle of Harty
  - 16. Minster and Warden Farmlands
  - 17. Stone Arable Farmlands
  - 18. Waterham Clay Farmlands
  - 20. Faversham and Ospringe Fruit Belt
  - 21. Graveney Arable Farmlands
  - 22. Graveney Fruit Farms
  - 28. Newington Fruit Belt
  - 30. Selling Fruit Belt
  - 33. Blean Woods West

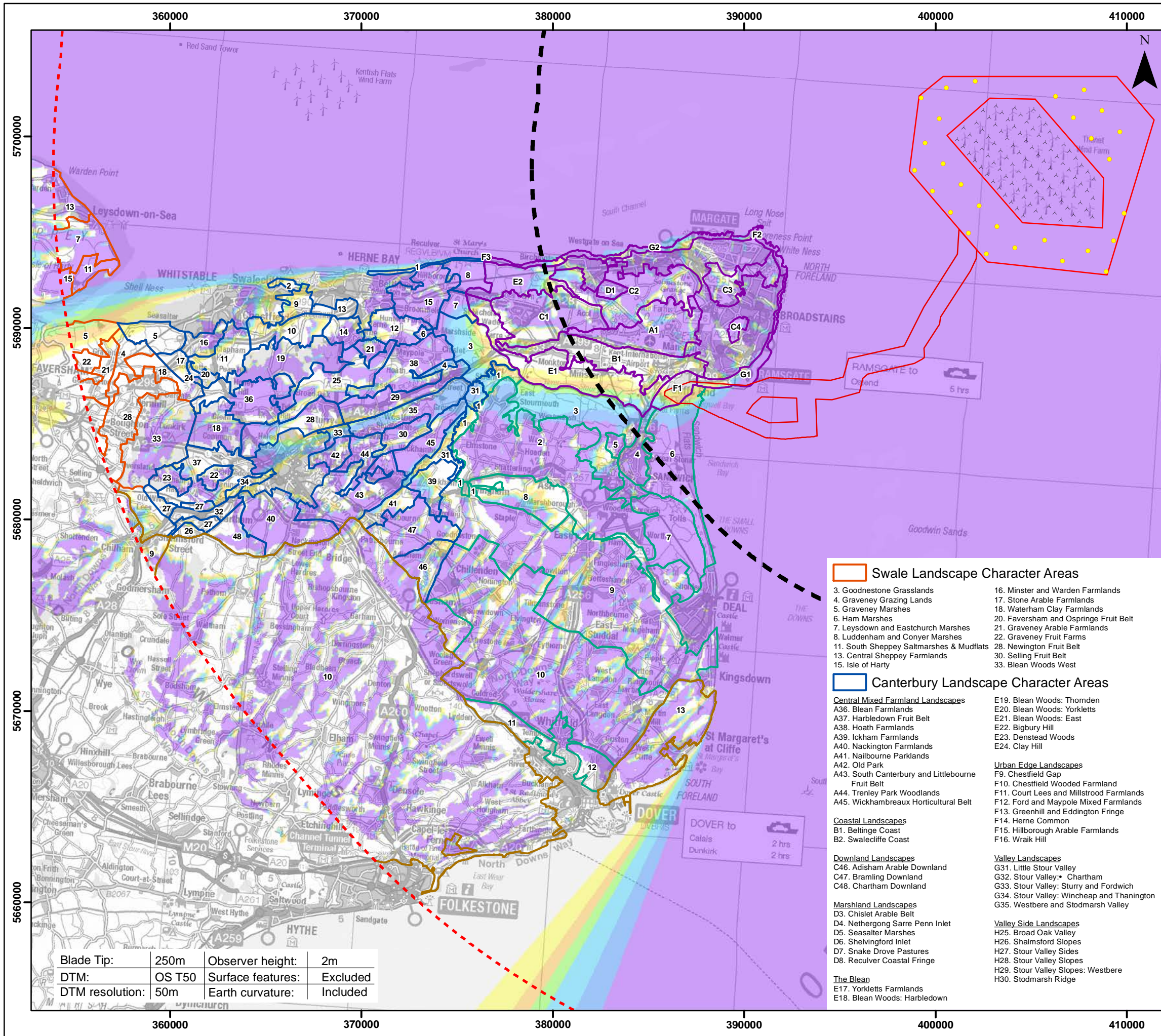
- Landscape Assessment of the Kent Downs AONB, 1995
  - 8. Mid Kent Downs
  - 9. Stour Valley
  - 10. East Kent Downs
  - 13. South Foreland
- Canterbury Landscape Character and Biodiversity Appraisal, August 2012
  - Coastal Landscapes
    - 1. Beltinge Coast
    - 2. Swalecliffe Coast
  - Marshland Landscapes
    - 3. Chislet Arable Belt
    - 4. Nethergong Sarre Penn Inlet
    - 5. Seasalter Marshes
    - 6. Shelvingford Inlet
    - 7. Snake Drove Pastures
    - 8. Reculver Coastal Fringe
  - Urban Edge Landscapes
    - 9. Chestfield Gap
    - 10. Chestfield Wooded Farmland
    - 11. Court Lees and Millstrood Farmlands
    - 12. Ford and Maypole Mixed Farmlands
    - 13. Greenhill and Eddington Fringe
    - 14. Herne Common
    - 15. Hillborough Arable Farmlands
    - 16. Wraik Hill
  - The Blean
    - 17. Yorkletts Farmlands
    - 18. Blean Woods: Harbledown
    - 19. Blean Woods: Thornden
    - 20. Blean Woods: Yorkletts
    - 21. Blean Woods: East
    - 22. bigbury Hill
    - 23. Denstead Woods
    - 24. Clay Hill
  - Valley Side Landscapes
    - 25. Broad Oak Valley
    - 26. Shalmsford Slopes
    - 27. Stour Valley Sides
    - 28. Stour Valley Slopes
    - 29. Stour Valley Slopes: Westbere
    - 30. Stodmarsh Ridge

- Valley Landscapes
  - 31. Little Stour Valley
  - 32. Stour Valley □ Chartham
  - 33. Stour Valley – Sturry and Fordwich
  - 34. Stour Valley – Wincheap and Thanington
  - 35. Westbere and Stodmarsh Valley
- Central Mixed Farmland Landscapes
  - 36. Blean Farmlands
  - 37. Harbledown Fruit Belt
  - 38. Hoath Farmlands
  - 39. Ickham Farmlands
  - 40. Nackington Farmlands
  - 41. Nailbourne Parklands
  - 42. Old Park
  - 43. South Canterbury and Littlebourne Fruit Belt
  - 44. Trenley Park Woodlands
  - 45. Wickhambreaux Horticultural Belt
- Downland Landscapes
  - 46. Adisham Arable Downland
  - 47. Bramling Downland
  - 48. Chartham Downland
- Dover District Landscape Character Assessment, Jan 2006
  - 1. Little Stour Marshes
  - 2. Preston & Ash Horticultural Belt
  - 3. Ash Level
  - 4. The Sandwich Corridor
  - 5. Richborough Castle
  - 6. Sandwich Bay
  - 7. Lydden Valley
  - 8. Staple Farmlands
  - 9. Eastry Arable & Woodland Clumps
  - 10. Eythorne Arable Mosaic with Parkland
  - 11. Lydden Hills
  - 12. Gusto Hills
- Landscape Character Assessment of the Essex Coast, 2005
  - Unvegetated Foreshore
    - 1. Dengie Coastlands
    - 2. Crouch Estuary and Foulness Archipelago

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Data Source: Contains, or is based on, information supplied by Natural England, 2017

Drg No	...12-15b_LCA_District_Legend		
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By	JM	Layout	THET2018

**Figure 12.15b**



# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.16**  
Blade Tip ZTV with Landscape Character Area (District)

### Legend

- Indicative WTG location
- × TOWF
- Offshore Red Line Boundary
- - - 20km Radius
- - - 45km SLVIA Study Area

Blade Tip ZTV (No. of Blade Tips Visible)

1 - 5	11 - 14	20 - 25
6 - 10	15 - 19	26 - 28

- Thanet Landscape Character Areas**
- Chalk Plateau
  - A1. Manston Chalk Plateau
  - Chalk Slopes
  - B1. Wantsum North Slopes
  - Undulating Chalk Farmland
  - C1. St. Nicholas at Wade Undulating Chalk Farmland
  - C2. Central Thanet Undulating Chalk Farmland
  - C3. St. Peters Undulating Chalk Farmland
  - C4. Newland Farm
  - Parklands and Estates
  - D1. Quex Park
  - Marshes
  - E1. Stour Marshes
  - E2. Wade Marshes
  - Undeveloped Coast
  - F1. Pegwell Bay
  - F2. Foreness Point and North Foreland
  - F3. Minnis Bay
  - Developed Coast
  - G1. Ramsgate and Broadstairs Cliffs
  - G2. North Thanet Coast
- Kent Downs Landscape Character Areas**
- 8. Mid Kent Downs
  - 9. Stour Valley
  - 10. East Kent Downs
  - 13. South Foreland

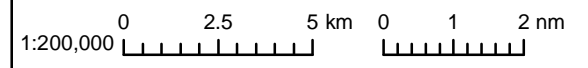
- Dover District Landscape Character Areas**
- 1. Little Stour Marshes
  - 2. Preston & Ash Horticultural Belt
  - 3. Ash Level
  - 4. The Sandwich Corridor
  - 5. Richborough Castle
  - 6. Sandwich Bay
  - 7. Lydden Valley
  - 8. Staple Farmlands
  - 9. Eastry Arable & Woodland Clumps
  - 10. Eythorne Arable Mosaic with Parkland
  - 11. Lydden Hills
  - 12. Gusto Hills

- Swale Landscape Character Areas**
- 3. Goodnestone Grasslands
  - 4. Graveney Grazing Lands
  - 5. Graveney Marshes
  - 6. Ham Marshes
  - 7. Leysdown and Eastchurch Marshes
  - 8. Luddenham and Conyer Marshes
  - 11. South Sheppey Saltmarshes & Mudflats
  - 13. Central Sheppey Farmlands
  - 15. Isle of Harty
  - 16. Minster and Warden Farmlands
  - 17. Stone Arable Farmlands
  - 18. Waterham Clay Farmlands
  - 20. Faversham and Ospringe Fruit Belt
  - 21. Graveney Arable Farmlands
  - 22. Graveney Fruit Farms
  - 28. Newington Fruit Belt
  - 30. Selling Fruit Belt
  - 33. Blean Woods West
- Canterbury Landscape Character Areas**
- Central Mixed Farmland Landscapes
- A36. Blean Farmlands
  - A37. Harbledown Fruit Belt
  - A38. Hoath Farmlands
  - A39. Ickham Farmlands
  - A40. Nackington Farmlands
  - A41. Nailbourne Parklands
  - A42. Old Park
  - A43. South Canterbury and Littlebourne Fruit Belt
  - A44. Trenley Park Woodlands
  - A45. Wickhambreaux Horticultural Belt
- Coastal Landscapes
- B1. Beltinge Coast
  - B2. Swalecliffe Coast
- Downland Landscapes
- C46. Adisham Arable Downland
  - C47. Bramling Downland
  - C48. Chartham Downland
- Marshland Landscapes
- D3. Chislet Arable Belt
  - D4. Nethergong Sarre Penn Inlet
  - D5. Seasalter Marshes
  - D6. Shelvingford Inlet
  - D7. Snake Drove Pastures
  - D8. Reculver Coastal Fringe
- The Blean
- E17. Yorklets Farmlands
  - E18. Blean Woods: Harbledown
  - E19. Blean Woods: Thornden
  - E20. Blean Woods: Yorklets
  - E21. Blean Woods: East
  - E22. Bigbury Hill
  - E23. Denstead Woods
  - E24. Clay Hill
- Urban Edge Landscapes
- F9. Chestfield Gap
  - F10. Chestfield Wooded Farmland
  - F11. Court Lees and Millstrood Farmlands
  - F12. Ford and Maypole Mixed Farmlands
  - F13. Greenhill and Eddington Fringe
  - F14. Herne Common
  - F15. Hillborough Arable Farmlands
  - F16. Wraik Hill
- Valley Landscapes
- G31. Little Stour Valley
  - G32. Stour Valley: Chartham
  - G33. Stour Valley: Sturry and Fordwich
  - G34. Stour Valley: Wincheap and Thanington
  - G35. Westbere and Stodmarsh Valley
- Valley Side Landscapes
- H25. Broad Oak Valley
  - H26. Shalmstord Slopes
  - H27. Stour Valley Sides
  - H28. Stour Valley Slopes
  - H29. Stour Valley Slopes: Westbere
  - H30. Stodmarsh Ridge

Datum: ETRS 1989  
Projection: UTM31N

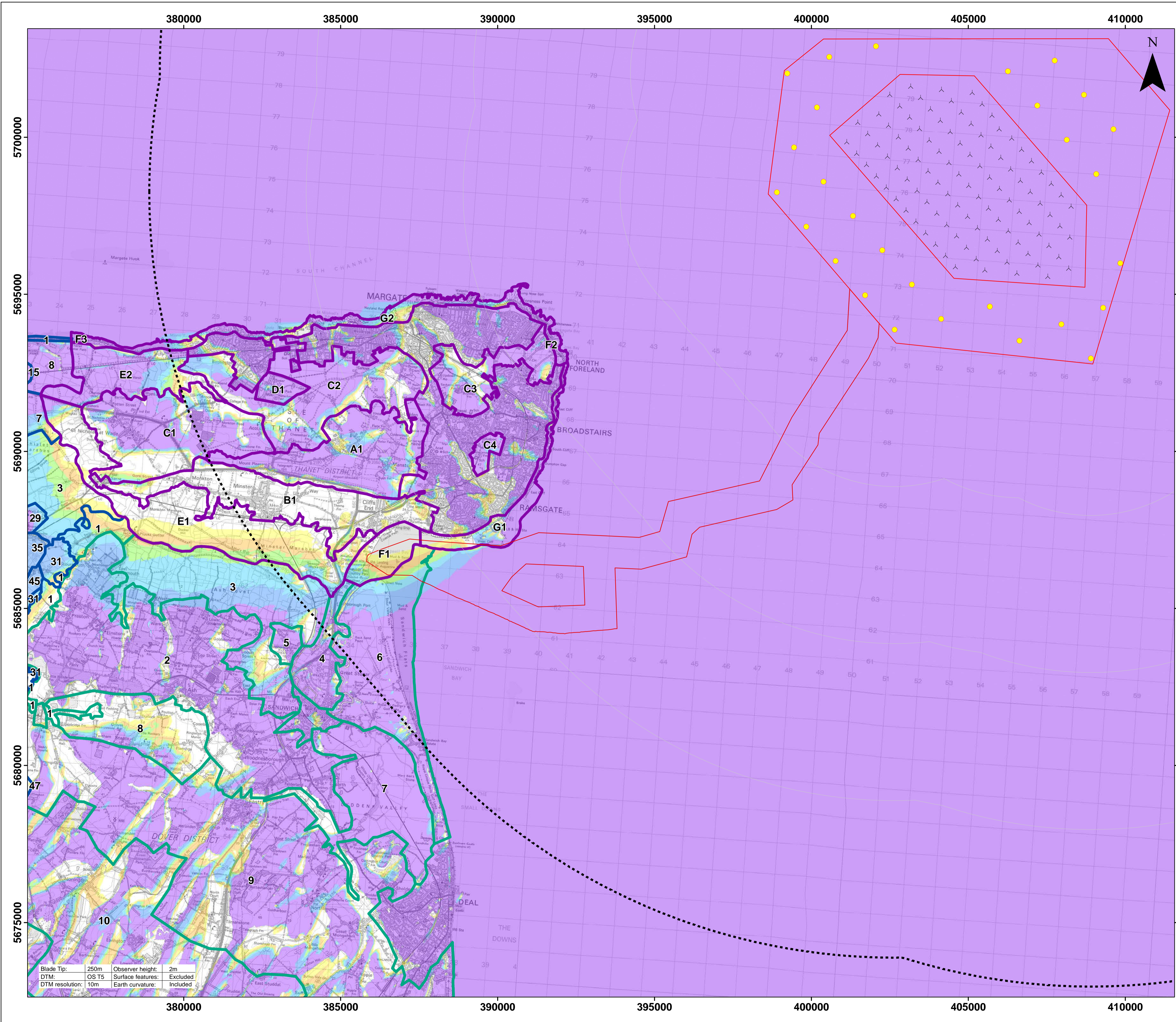
Data Source:  
<sup>1</sup> Thanet District Council Landscape Character Areas February 2017  
<sup>2</sup> Landscape Assessment of the Kent Downs AONB, 1995  
<sup>3</sup> Dover District Landscape Character Assessment, Jan 2006  
<sup>4</sup> Swale Landscape Character and Biodiversity Appraisal, Supplementary Planning Document, September 2011  
<sup>5</sup> Canterbury Landscape Character and Biodiversity Appraisal, August 2012

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Drg No	...	Fig12-16_ZTV_LCA_District	<b>Figure 12.16</b>
Rev	0.2	Date 17/05/2018	
By	JM	Layout THET2018	

Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.17 Blade Tip ZTV with Landscape Character (District) - 20km

**Legend**

- Indicative WTG location
- ⋈ TOWF
- Offshore Red Line Boundary
- 5km Radii
- - - 20km Radius

**Blade Tip ZTV  
No. of Blade Tips Visible**

1 - 5	11 - 14	20 - 25
6 - 10	15 - 19	26 - 28

□ Thanet Landscape Character Areas

**Chalk Plateau**

- A1. Manston Chalk Plateau Chalk Slopes
- B1. Wantsum North Slopes Undulating Chalk Farmland
- C1. St. Nicholas at Wade Undulating Chalk Farmland
- C2. Central Thanet Undulating Chalk Farmland
- C3. St. Peters Undulating Chalk Farmland
- C4. Newland Farm Parklands and Estates
- D1. Quex Park

**Marshes**

- E1. Stour Marshes
- E2. Wade Marshes

**Undeveloped Coast**

- F1. Pegwell Bay
- F2. Foreness Point and North Foreland
- F3. Minnis Bay

**Developed Coast**

- G1. Ramsgate and Broadstairs Cliffs
- G2. North Thanet Coast

□ Dover District Landscape Character Areas

1. Little Stour Marshes
2. Preston & Ash Horticultural Belt
3. Ash Level
4. The Sandwich Corridor
5. Richborough Castle
6. Sandwich Bay
7. Lydden Valley
8. Staple Farmlands
9. Easby Arable & Woodland Clumps
10. Eythorne Arable Mosaic with Parkland

□ Canterbury Landscape Character Areas

**Central Mixed Farmland Landscapes**

- A39. Ickham Farmlands
- A45. Wickhambreaux Horticultural Belt

**Coastal Landscapes**

- B1. Bellingham Coast

**Downland Landscapes**

- C47. Bramling Downland

**Marshland Landscapes**

- D3. Chislet Arable Belt
- D4. Nethergoing Sarre Penn Inlet
- D7. Snake Drove Pastures
- D8. Reculver Coastal Fringe

**Urban Edge Landscapes**

- F16. Hillborough Arable Farmlands

**Valley Landscapes**

- G31. Little Stour Valley
- G35. Westbere and Stodmarsh Valley

**Valley Side Landscapes**

- H29. Stour Valley Slopes: Westbere

Datum: ETRS 1989  
Projection: UTM31N



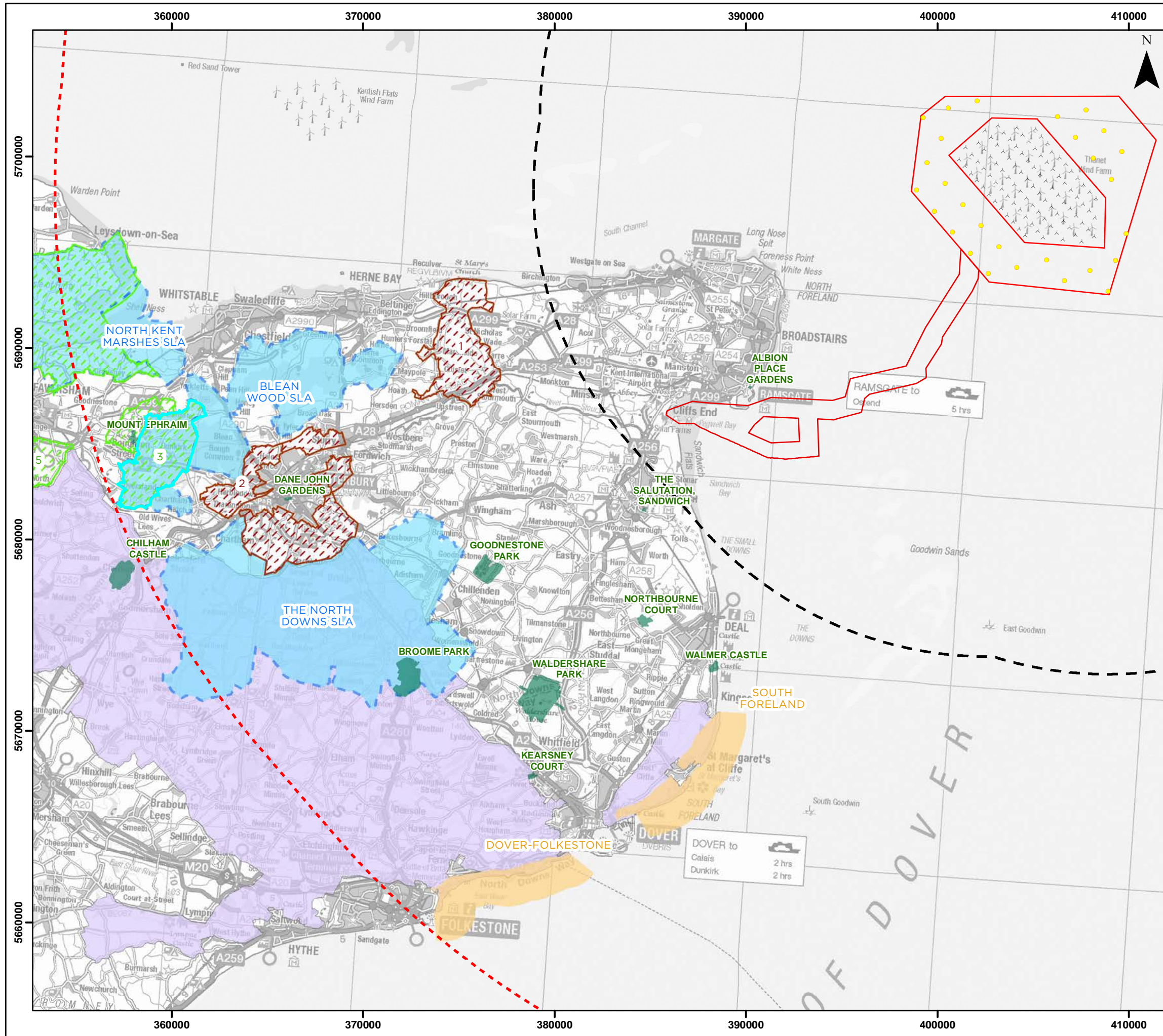
Blade Tip:	250m	Observer height:	2m
DTM:	OS T5	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included

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Scale @ A1 - 1:60,000

0 0.8 1.6 NM 0 1 2 km

Drg No	...-17_ZTV_LCA_Kent_20km_A1	<b>Figure 12.17</b>	
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.18 Landscape Designations

### Legend

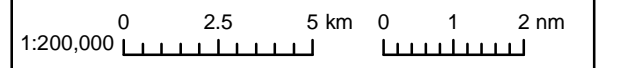
- Indicative WTG location
  - ⋈ TOWF
  - Offshore Red Line Boundary
  - ⋯ 45km SLVIA Study Area
  - - - 20km Radius
  - Registered Parks and Gardens <sup>2</sup>
  - Special Landscape Area <sup>3/4</sup>
  - Heritage Coast <sup>1</sup>
  - Kent Downs AONB <sup>1</sup>
  - Canterbury Area of High Landscape Value <sup>3</sup>
  - Swale Area of High Landscape Value <sup>4</sup>
1. Chislet Marshes & Reculver Coastal Fringe
  2. Canterbury Fringes
  3. Blean Woods
  4. North Kent Marshes
  5. North Downs

Datum: ETRS 1989  
Projection: UTM31N

Data Source:  
<sup>1</sup> Contains, or is based on, information supplied by Natural England, 2017  
<sup>2</sup> © Historic England 2017  
<sup>3</sup> Canterbury Local Plan, 2007  
<sup>4</sup> Swale Borough Local Plan, 2008

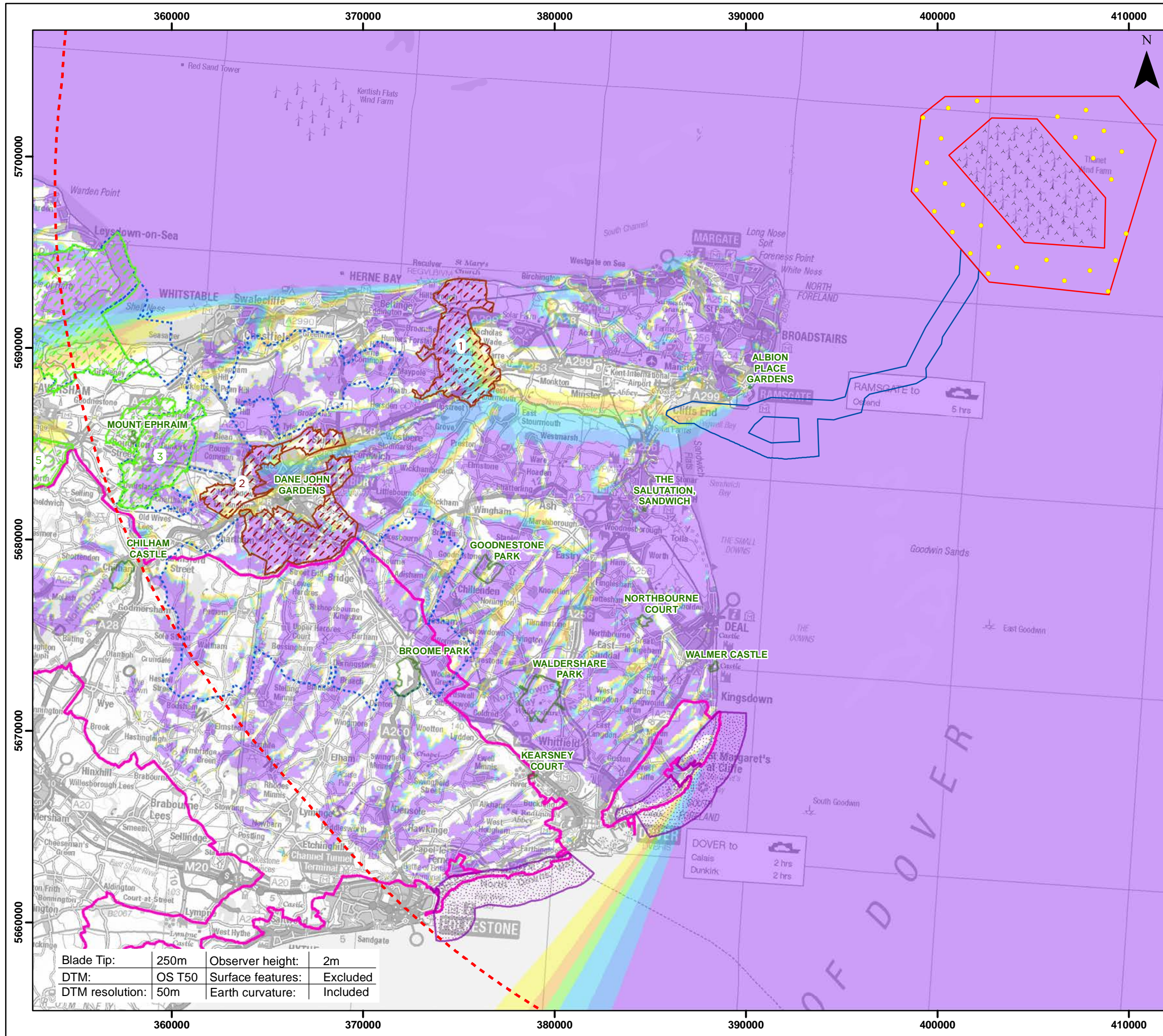


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Drg No	...LVIA_Fig12-18_Designations			<b>Figure 12.18</b>
Rev	0.2	Date	17/05/2018	
By	JM	Layout	THET2018	





# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.19**  
Blade Tip ZTV with Landscape Designations

**Legend**

- Indicative WTG location
- ✕ TOWF
- Offshore Red Line Boundary
- - - 45km SLVIA Study Area
- Registered Parks and Gardens <sup>2</sup>
- Special Landscape Area <sup>3/4</sup>
- Heritage Coast <sup>1</sup>
- Kent Downs AONB <sup>1</sup>
- Canterbury Area of High Landscape Value <sup>3</sup>
- 1. Chislet Marshes & Reculver Coastal Fringe
- 2. Canterbury Fringes
- Swale Area of High Landscape Value <sup>4</sup>
- 3. Blean Woods
- 4. North Kent Marshes
- 5. North Downs

Blade Tip ZTV  
No. of Blade Tips Visible

1 - 5	11 - 14	20 - 25
6 - 10	15 - 19	26 - 28

Datum: ETRS 1989  
Projection: UTM31N

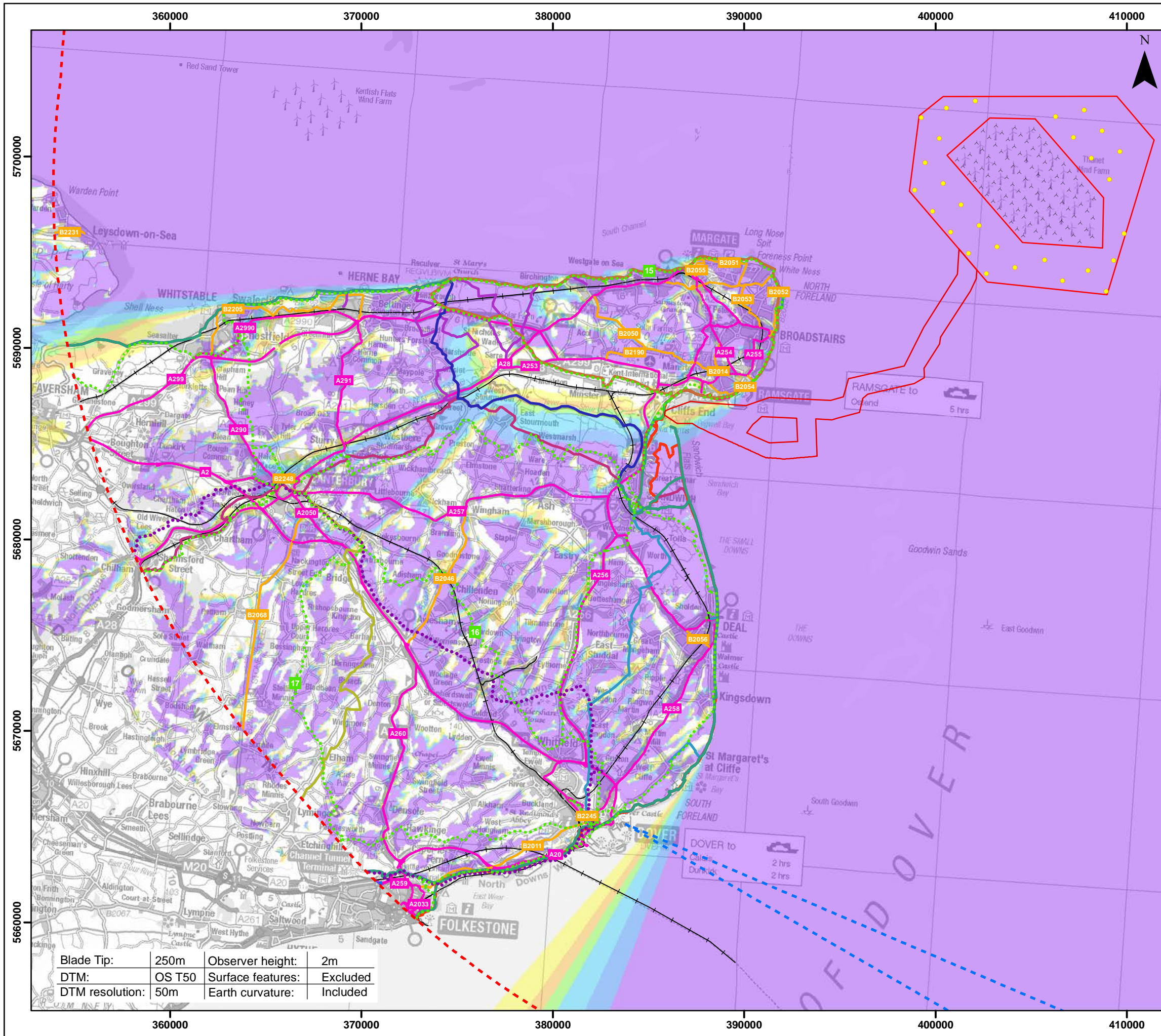
Data Source:  
<sup>1</sup> Contains, or is based on, information supplied by Natural England, 2017  
<sup>2</sup> © Historic England 2017  
<sup>3</sup> Canterbury Local Plan, 2007  
<sup>4</sup> Swale Borough Local Plan, 2008

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1:200,000

Drg No	... Fig12-19_ZTV_Designations			<b>Figure 12.19</b>
Rev	0.2	Date	17/05/2018	
By	JM	Layout	THET2018	

Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included



# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.20**  
Blade Tip ZTV with Visual Receptors

**Legend**

- Indicative WTG location
- x TOWF
- ▭ Offshore Red Line Boundary
- ▭ 45km SLVIA Study Area
- ⋯ National Cycle Route
- ⋯ North Downs Way
- Elham Valley Way
- Kent Coastline Walk
- Saxon Shore Way
- Stour Valley Walk
- Thanet Coastal Path
- Viking Coastal Trail
- Wantsum Walk
- White Cliffs Country Trail
- England Coastal Path
- - - Ferry Route
- A Road
- B Road
- Motorway
- Railway

**Blade Tip ZTV**

No. of Blade Tips Visible

- 1 - 5
- 6 - 10
- 11 - 14
- 15 - 19
- 20 - 25
- 26 - 28

Datum: ETRS 1989  
Projection: UTM31N

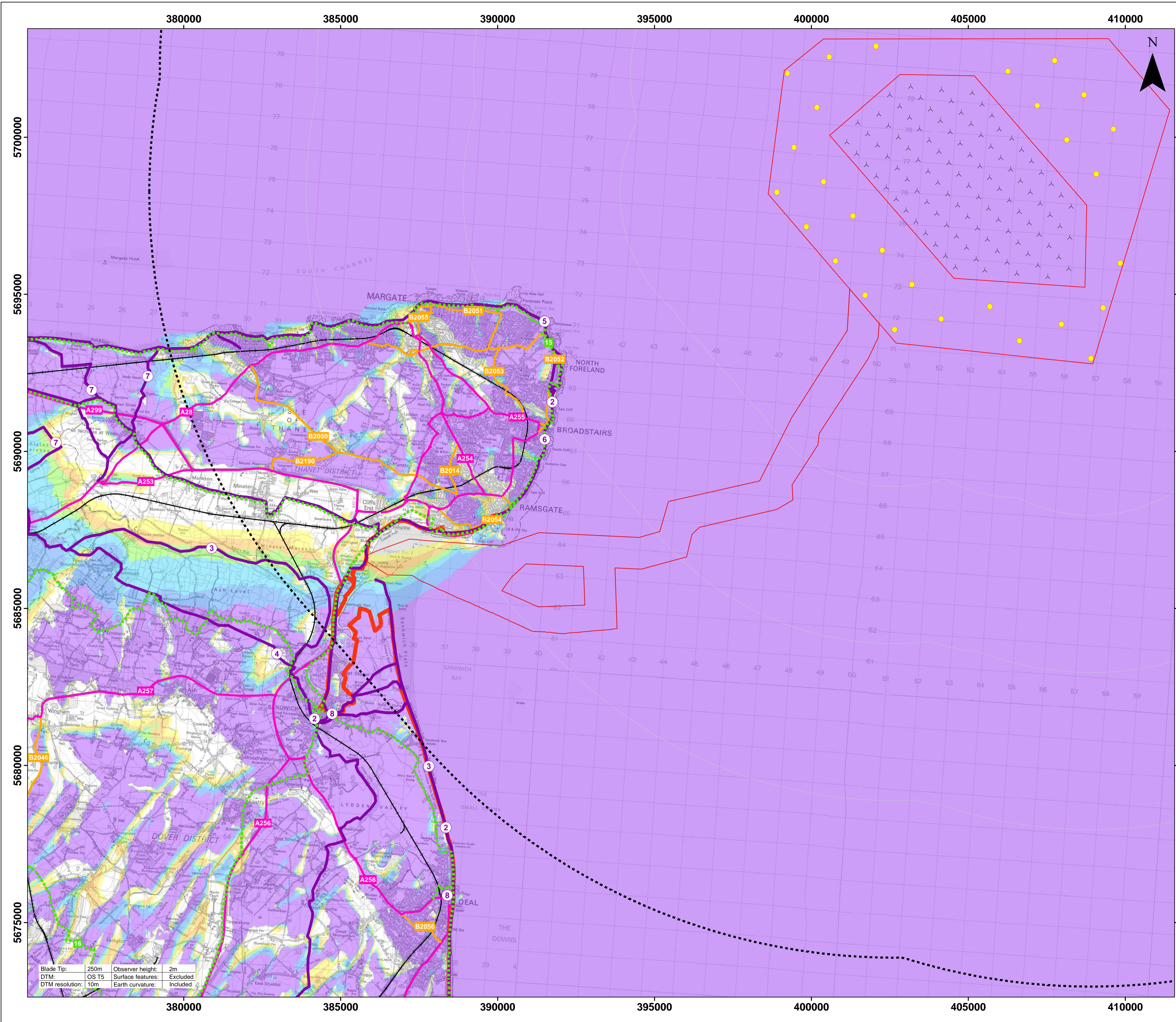


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Sustrans UK National Cycle Routes Dataset (2017)  
1:200,000

Drg No	...	Fig12-20_ZTV_VisReceptors
Rev	0.2	Date 17/05/2018
By	JM	Layout THET2018

**Figure 12.20**

Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.21 Blade Tip ZTV with Visual Receptors - 20km

**Legend**

- Indicative WTG location
- △ TOWF
- ▭ Offshore Red Line Boundary
- ▭ 5km Radii
- ▭ 20km Radius

**Blade Tip ZTV  
No. of Blade Tips Visible**

1 - 5	11 - 14	20 - 25
6 - 10	15 - 19	26 - 28

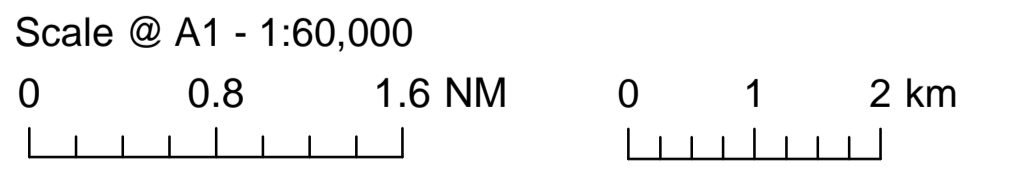
- A Road
- B Road
- Railway
- National Cycle Route
- England Coastal Path
- Walking Routes

2. Kent Coastline Walk
3. Saxon Shore Way
4. Stour Valley Walk
5. Thanet Coastal Path
6. Viking Coastal Trail
7. Wantsum Walk
8. White Cliffs Country Trail

Datum: ETRS 1989  
Projection: UTM31N

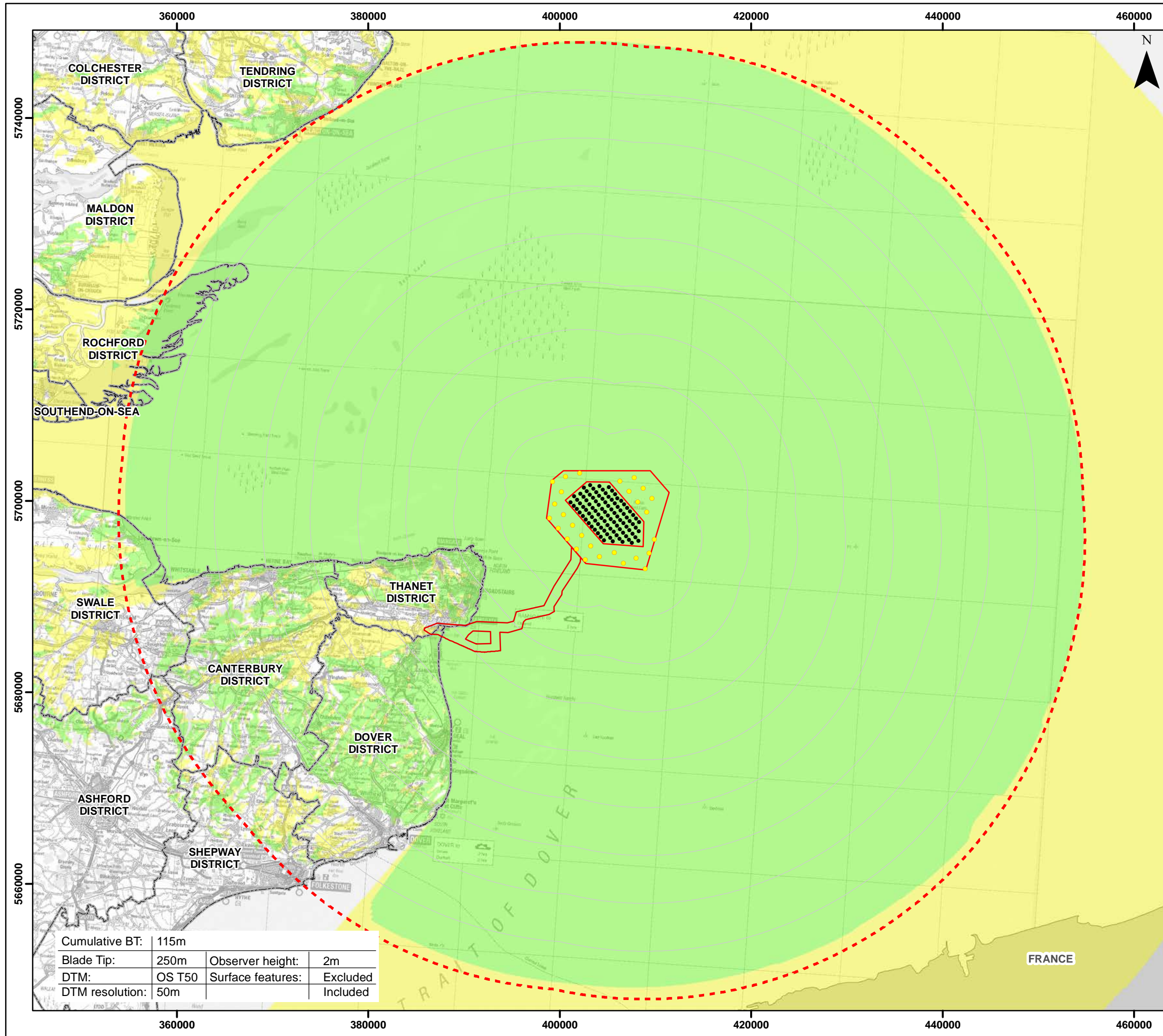


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Blade Tip:	250m	Observer height:	2m
DTM:	OS T5	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included

Drng No	...	_ZTV_VisRec_Kent_20km_A1	<b>Figure 12.21</b>	
Rev	0.2	Date		17/05/2018
By	JM	Layout		THET2018



# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.22**  
Cumulative ZTV - Thanet Offshore Wind Farm

- Legend**
- Indicative WTG location
  - ▭ Offshore Red Line Boundary
  - 5km Radii
  - ▭ 45km SLVIA Study Area
  - ▭ Local Authority Boundary
  - Thanet WTG
  - Thanet Theoretical Visibility
  - Thanet Extension Theoretical Visibility
  - Cumulative Theoretical Visibility

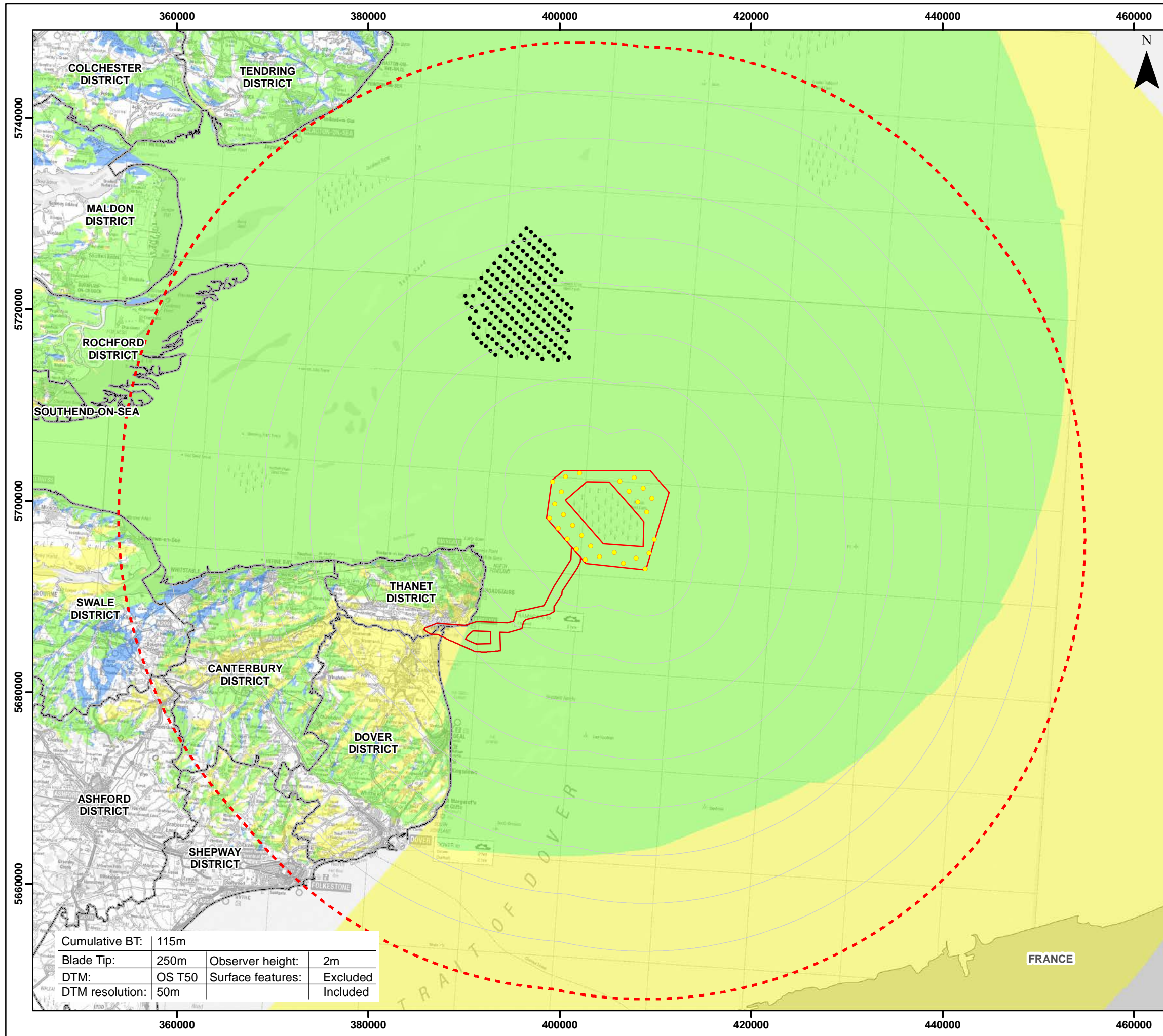
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Projection: UTM31N

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1:400,000

Drg No	... VIA_Fig12-22_CZTV_Thanet	<b>Figure 12.22</b>	
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018

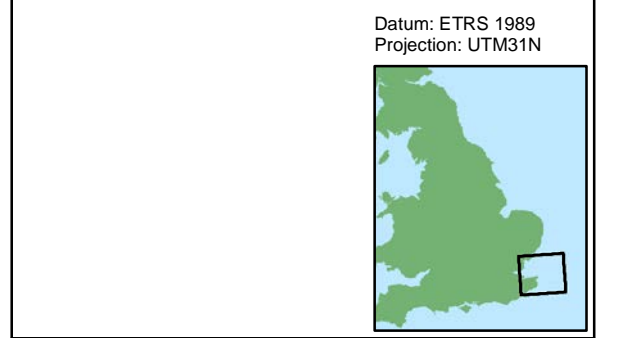
Cumulative BT:	115m	Observer height:	2m
Blade Tip:	250m	Surface features:	Excluded
DTM:	OS T50	DTM resolution:	Included
DTM resolution:	50m		



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.23 Cumulative ZTV - London Array

- Legend**
- Indicative WTG location
  - ▭ Offshore Red Line Boundary
  - 5km Radii
  - ▭ 45km SLVIA Study Area
  - ▭ Local Authority Boundary
  - London Array WTG
  - ▭ London Array Theoretical Visibility
  - ▭ Thanet Extension Theoretical Visibility
  - ▭ Cumulative Theoretical Visibility

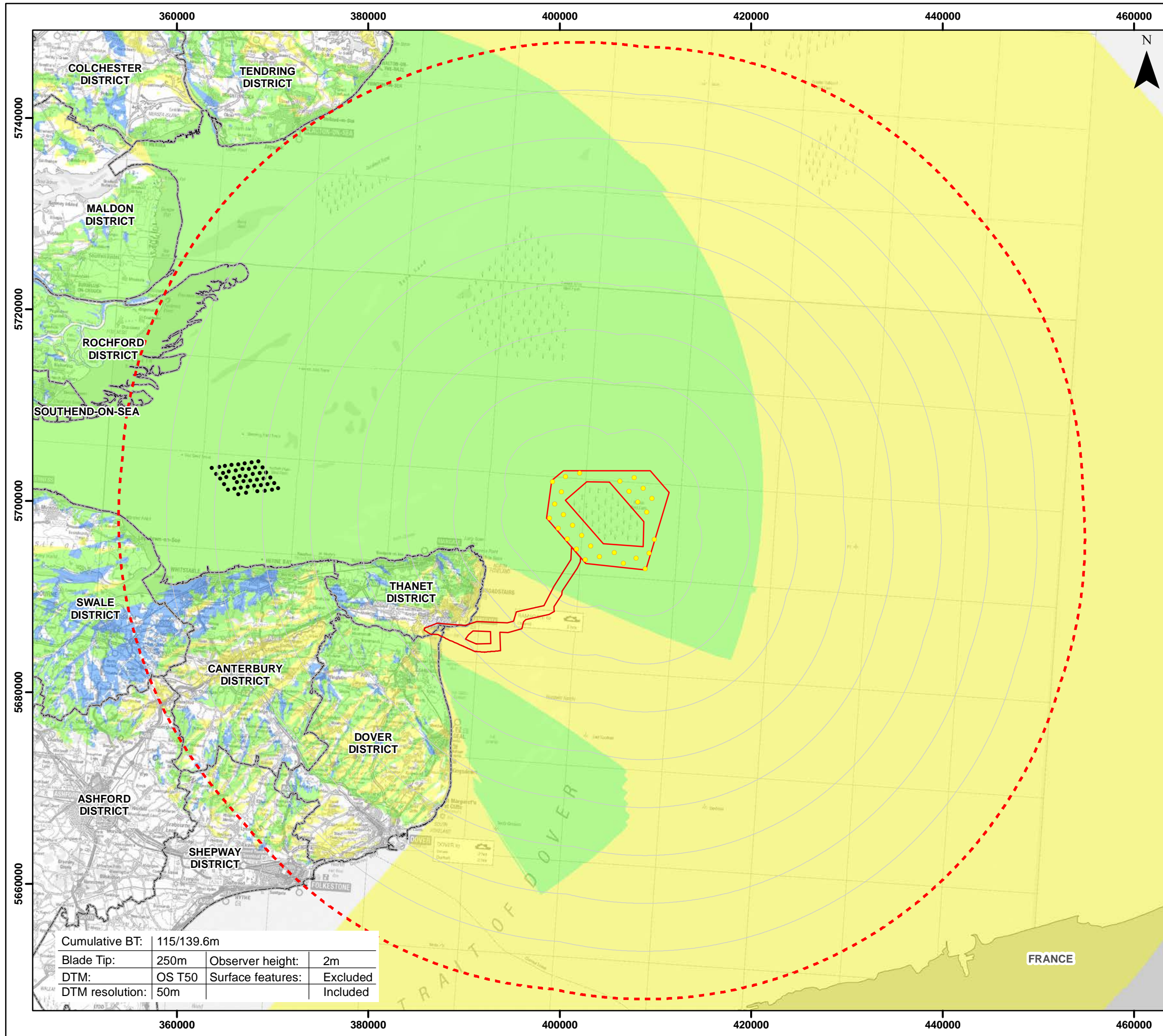


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1:400,000 0 5 10 km 0 2 4 nm

Drg No	...	ig12-23_CZTV_LondonArray	<b>Figure 12.23</b>
Rev	0.2	Date 17/05/2018	
By	JM	Layout THET2018	

Cumulative BT:	115m	Observer height:	2m
Blade Tip:	250m	Surface features:	Excluded
DTM:	OS T50	DTM resolution:	50m
			Included



# THANET EXTENSION OFFSHORE WIND FARM

## Figure 12.24 Cumulative ZTV - Kentish Flats & Extension

- Legend**
- Indicative WTG location
  - ▭ Offshore Red Line Boundary
  - 5km Radii
  - ▭ 45km SLVIA Study Area
  - ▭ Local Authority Boundary
  - Kentish Flats & Extension WTG
  - ▭ Kentish Flats & Extension Theoretical Visibility
  - ▭ Thanet Extension Theoretical Visibility
  - ▭ Cumulative Theoretical Visibility

Datum: ETRS 1989  
Projection: UTM31N

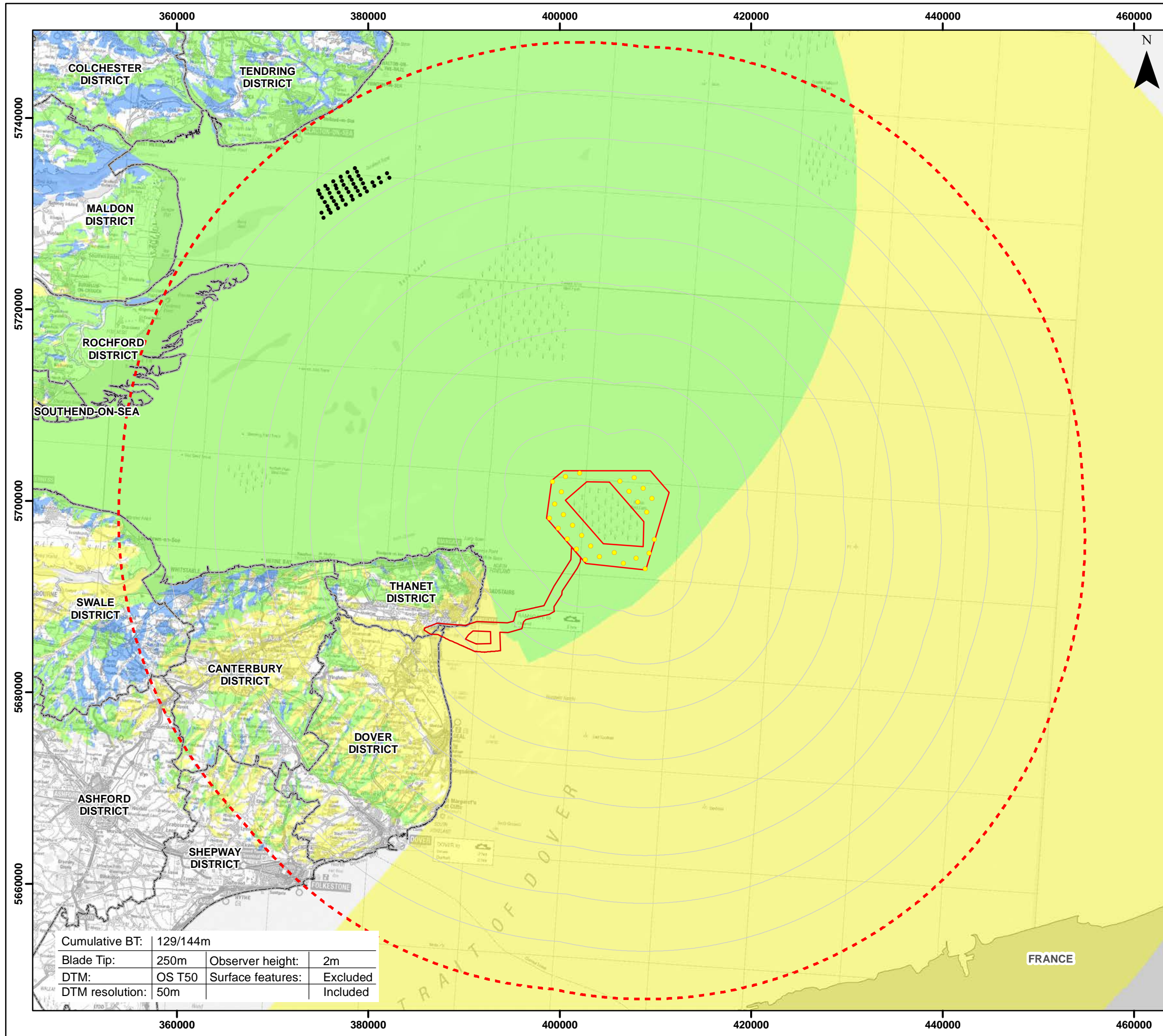
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1:400,000

0 5 10 km 0 2 4 nm

Drg No	...24_CZTV_KentishFlats&Extrn	<b>Figure 12.24</b>
Rev	0.2 Date 17/05/2018	
By	JM Layout THET2018	

Cumulative BT:	115/139.6m		
Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m		Included



# THANET EXTENSION OFFSHORE WIND FARM

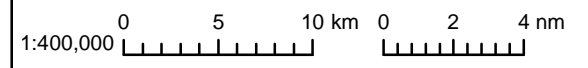
**Figure 12.25**  
Cumulative ZTV - Gunfleet Sands I/II/III

- Legend**
- Indicative WTG location
  - ▭ Offshore Red Line Boundary
  - 5km Radii
  - ▭ 45km SLVIA Study Area
  - ▭ Local Authority Boundary
  - Gunfleet Sands I/II/III WTG
  - ▭ Gunfleet Sands I/II/III Theoretical Visibility
  - ▭ Thanet Extension Theoretical Visibility
  - ▭ Cumulative Theoretical Visibility

Datum: ETRS 1989  
Projection: UTM31N

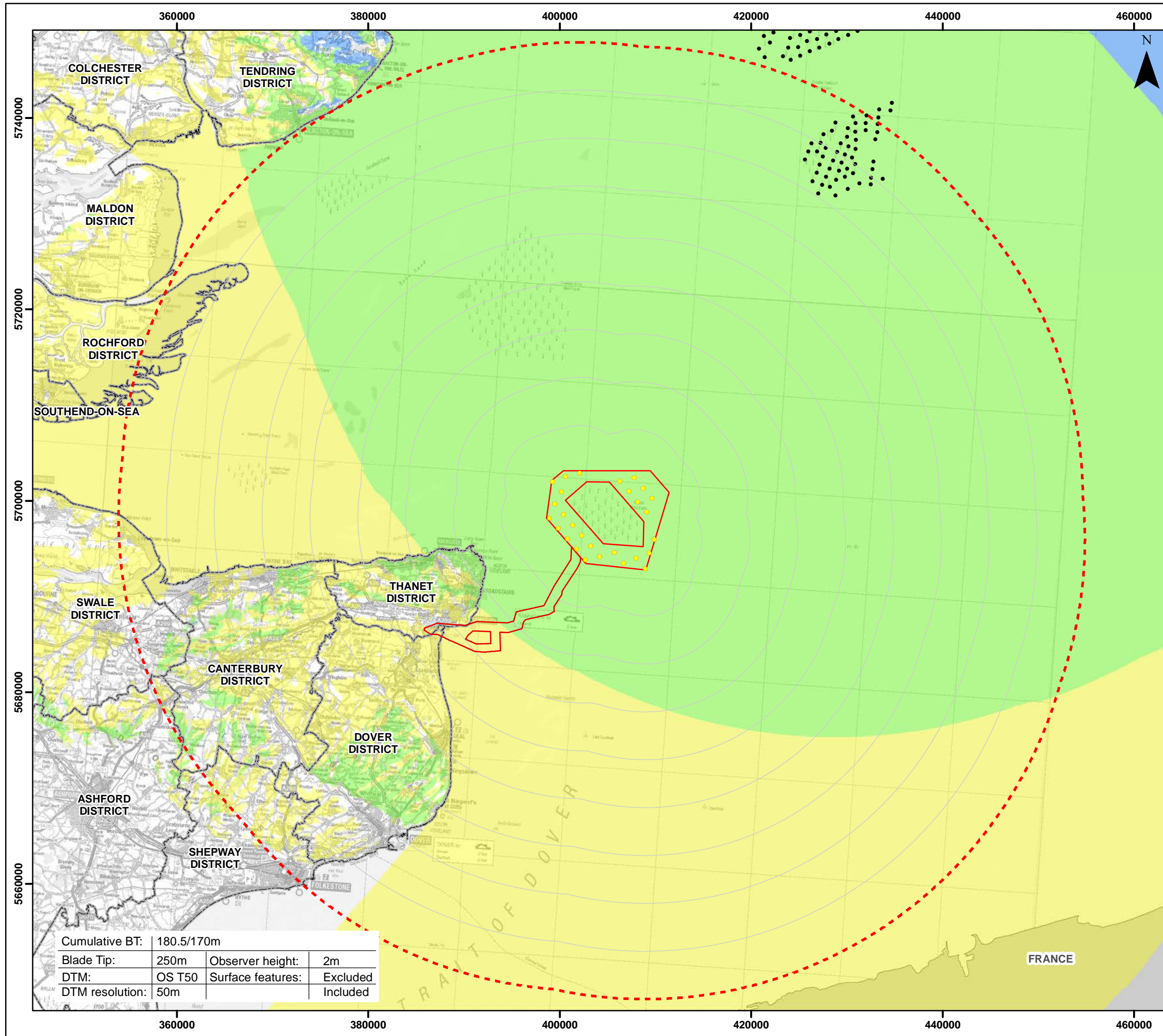


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Drg No	... 12-25_CZTV_GunfleetSands	<b>Figure 12.25</b>
Rev	0.2 Date 17/05/2018	
By	JM Layout THET2018	

Cumulative BT:	129/144m		
Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m		Included



# THANET EXTENSION OFFSHORE WIND FARM

**Figure 12.26**  
Cumulative ZTV - Greater Gabbard & Galloper

**Legend**

- Indicative WTG location
- Offshore Red Line Boundary
- 5km Radii
- 45km SLVIA Study Area
- Local Authority Boundary
- Greater Gabbard & Galloper WTG
- Greater Gabbard & Galloper Theoretical Visibility
- Thanet Extension Theoretical Visibility
- Cumulative Theoretical Visibility

Datum: ETRS 1989  
Projection: UTM31N

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1:400,000

0 5 10 km 0 2 4 nm

Drg No	...:6_CZTV_Gabbard&Galloper	<b>Figure 12.26</b>	
Rev	0.2	Date	17/05/2018
By	JM	Layout	THET2018

Cumulative BT:	180.5/170m		
Blade Tip:	250m	Observer height:	2m
DTM:	OS T50	Surface features:	Excluded
DTM resolution:	50m		Included