



Rampion Offshore Wind Farm



ES Section 12 – SLVIA

Figures 12.1 -12.12

RSK Environmental Ltd

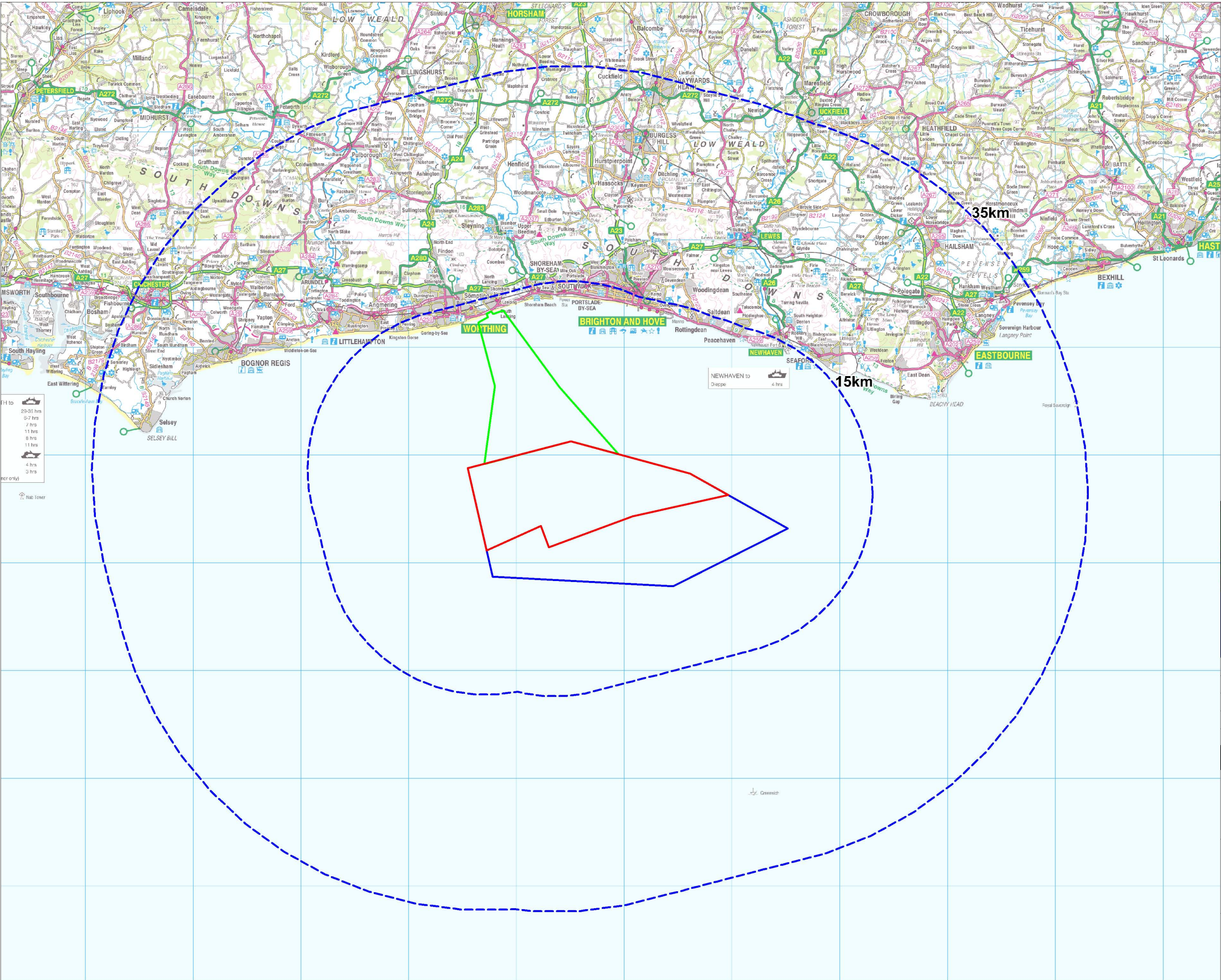
Document 6.2.12i

December 2012

APFP Regulation 5(2)(a)

Revision A

E.ON Climate & Renewables UK Rampion Offshore Wind Limited



- Legend**
- Distance Marker
 - The Crown Estate Zone 6
 - Rampion Offshore Wind Farm Site
 - Offshore Cable Corridor

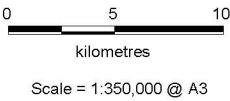


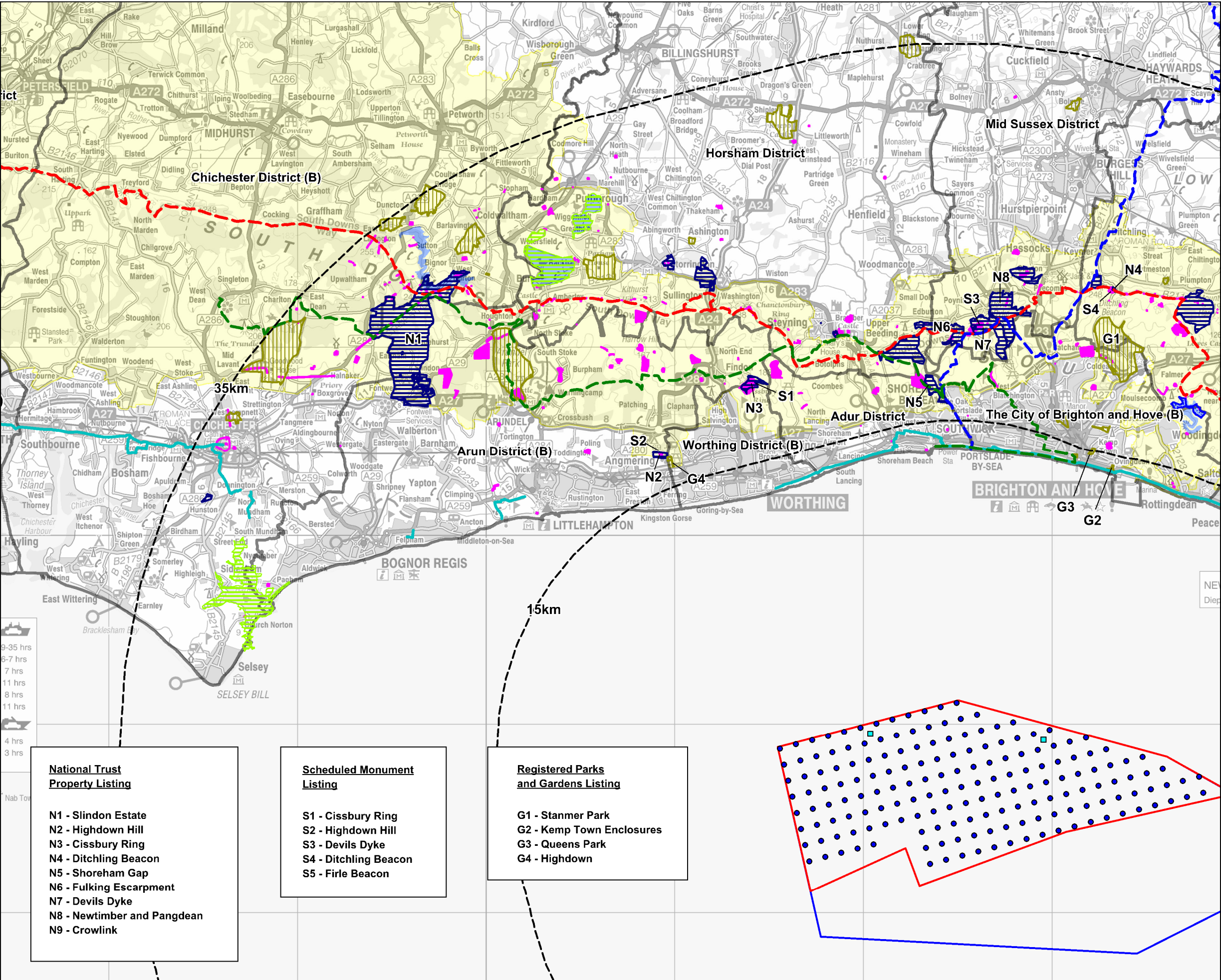
Rev	Date	Description	Drm	Chk	App
02	09.11.12	Layout F & cable corridor	NH	RM	DW
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Rampion Wind Farm



Title :
Figure 12.1 : Site Location





Legend

- Proposed Turbine Location (Option F - 175 turbines)
- Potential Substation Location
- Distance Marker
- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site
- Administrative Boundary
- National Park
- Heritage Coast
- Registered Historic Parks and Gardens (See table inset)
- National Trust Ownership (See table inset)
- Scheduled Monument (See table inset)
- Ramsar Site
- Special Area of Conservation
- National Nature Reserve

National Trails and other Long Distance Footpaths and cycle ways

- South Downs Way
- Vanguard Way
- Monarch's Way
- Sussex Border Path
- Sustrans Route 2

Rev	Date	Description	Drm	Chk	App
02	09.11.12	layout F added	NH	RM	DW
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00	06.03.12	First Draft	NH	RM	DW

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Title :
Figure 12.2a : Seascape and Landscape Designations (Western Area)

02.55

kilometres

Scale = 1:200,000 @ A3

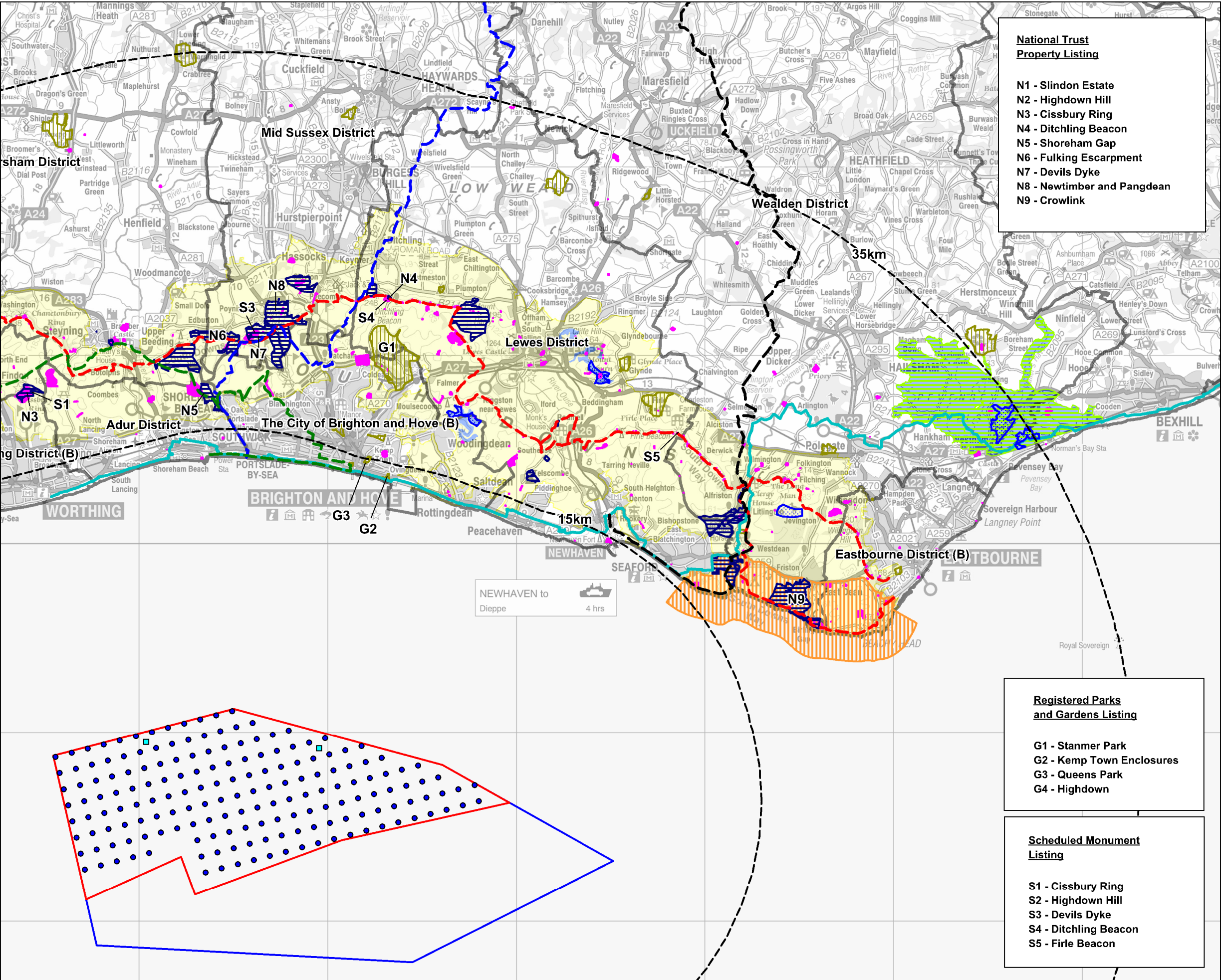
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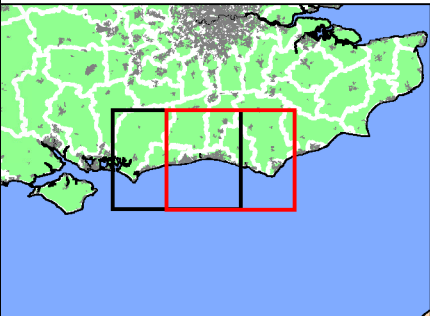
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- National Trust
Property Listing**
- N1 - Slindon Estate
 - N2 - Highdown Hill
 - N3 - Cissbury Ring
 - N4 - Ditchling Beacon
 - N5 - Shoreham Gap
 - N6 - Fulking Escarpment
 - N7 - Devils Dyke
 - N8 - Newtimber and Pangdean
 - N9 - Crowlink

- Legend**
- Proposed Turbine Location (Option F - 175 turbines)
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 - The Crown Estate Zone 6
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 - Administrative Boundary
 - National Park
 - Heritage Coast
 - Registered Historic Parks and Gardens (See table inset)
 - National Trust Ownership (See table inset)
 - Scheduled Monument (See table inset)
 - Ramsar Site
 - Special Area of Conservation
 - National Nature Reserve
- National Trails and other Long Distance Footpaths and cycle ways**
- South Downs Way
 - Vanguard Way
 - Monarch's Way
 - Sussex Border Path
 - Sustrans Route 2

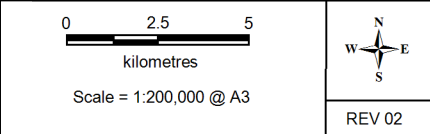


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02	09.11.12	Layout F added	NH	RM	DW
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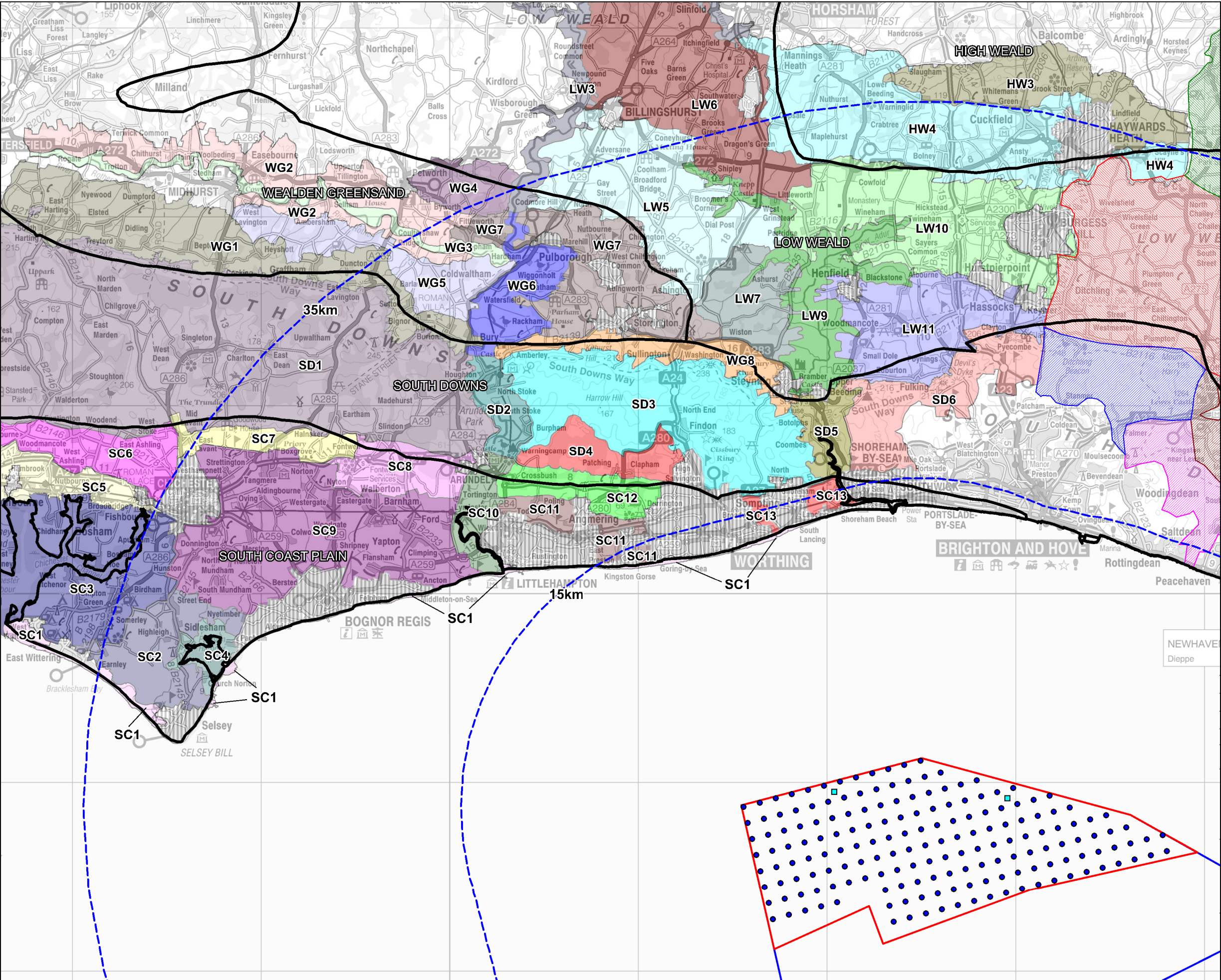


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Figure 12.2b : Seascape and Landscape Designations (Eastern Area)



- Registered Parks
and Gardens Listing**
- G1 - Stanmer Park
 - G2 - Kemp Town Enclosures
 - G3 - Queens Park
 - G4 - Highdown

- Scheduled Monument
Listing**
- S1 - Cissbury Ring
 - S2 - Highdown Hill
 - S3 - Devils Dyke
 - S4 - Ditchling Beacon
 - S5 - Firle Beacon



Legend

- Proposed Turbine Location (Option F - 175 turbines)
- Potential Substation Location
- Distance Marker
- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site

Character Areas :

- National Landscape Character Areas
- Built Up Areas

West Sussex Landscape Character Areas :

- HW3 Ouse Valley
- HW4 High Weald Fringes
- LW3 Upper Arun Valley
- LW5 Southern Low Weald
- LW6 Central Low Weald
- LW7 Wiston Low Weald
- LW9 Upper Arun Valley
- LW10 Eastern Low Weald
- LW11 Eastern Scarp Footslopes
- SC1 South Coast Shoreline
- SC2 Manhood Peninsula
- SC3 Chichester Harbour
- SC4 Pagham Harbour
- SC5 Southbourne Coastal Plain
- SC6 Ashlings Upper Coastal Plain
- SC7 Hainaker Upper Coastal Plain
- SC8 Fontwell Upper Coastal Plain
- SC9 Chichester to Yapton Coastal Plain
- SC10 Lower Arun Valley
- SC11 Littlehampton & Worthing Fringes
- SC12 Angmering Upper Coastal Plain
- SC13 Worthing & Adur Fringes
- SD1 Western Downs
- SD2 Downland Arun Valley
- SD3 Central Downs
- SD4 Angmering Park
- SD5 Downland Arun Valley
- SD6 Eastern Downs
- WG1 Western Scarp Footslopes
- WG2 Rother Farmlands
- WG3 Rother Valley
- WG4 North Western Ridges
- WG5 Rother Woods and Heaths
- WG6 Arun Wildbrooks
- WG7 Storrington Woods & Heaths
- WG8 Central Scarp Footslopes

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Title :

Figure 12.3a : Landscape Character Context (Western Area)

0 2.5 5

kilometres

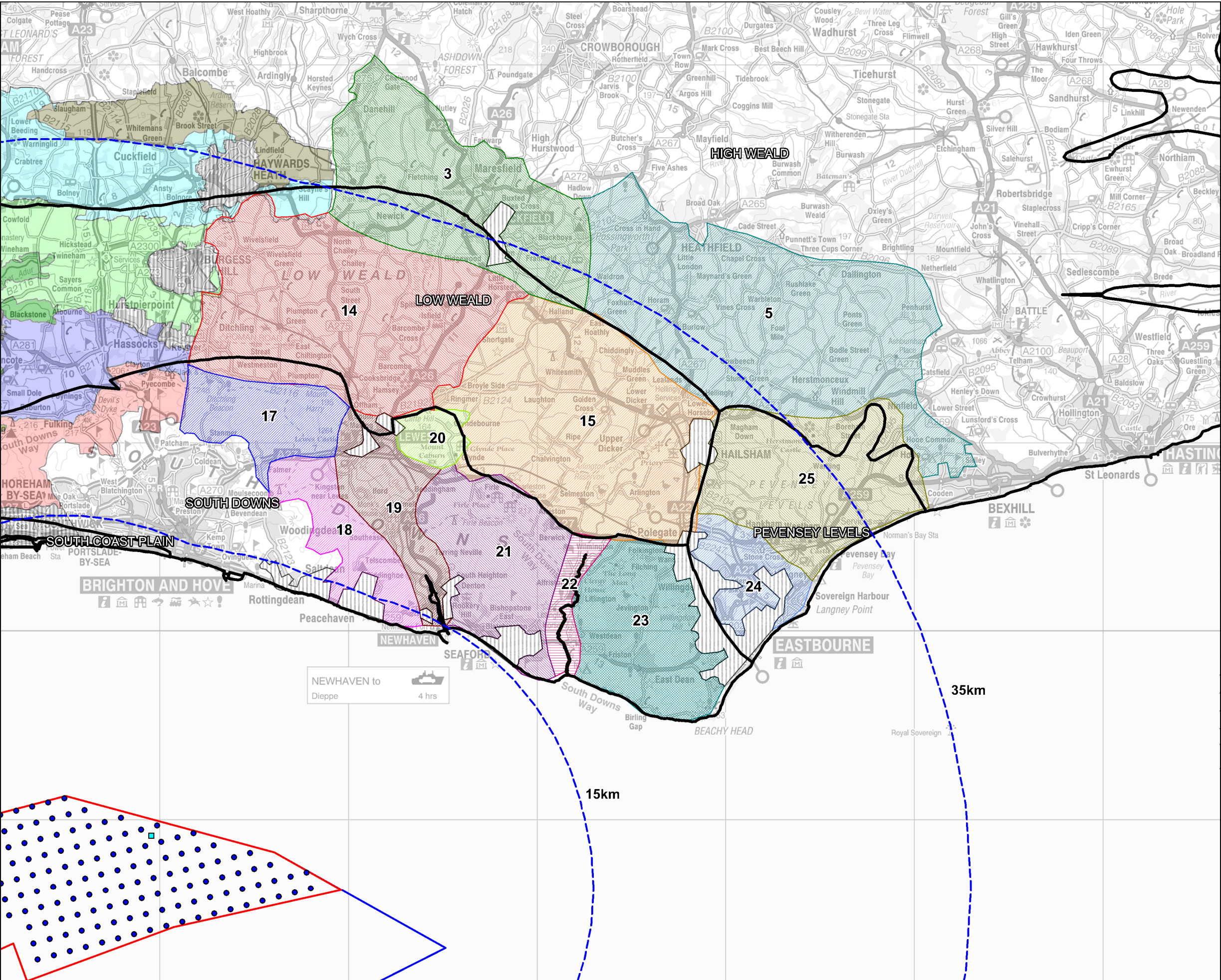
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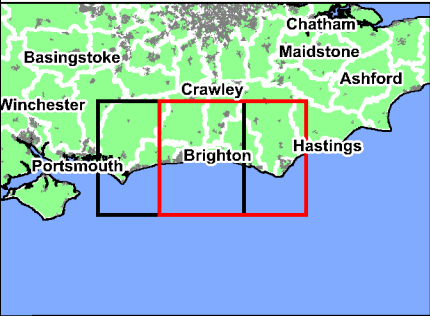
- Proposed Turbine Location (Option F - 175 turbines)
- Potential Substation Location
- Distance Marker
- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site

Character Areas:

- National Landscape Character Areas
- Built Up Areas

East Sussex Landscape Character Areas :

- 3 Upper Ouse Valley
- 5 South Slopes of High Weald
- 14 Western Low Weald
- 15 Eastern Low Weald
- 17 Ditchling-Mount Harry Downs
- 18 Falmer Telscombe Downs
- 19 Lower Ouse Valley
- 20 Lewes Downs
- 21 Firle Bishopstone Downs
- 22 Lower Cuckmere Valley
- 23 Wilmington Heritage Downs
- 24 Eastbourne Levels
- 25 Pevensey Levels



02	09.11.12	Layout F added	NH	RM	DW
01	04.04.12	distance marker	NH	RM	DW
00	07.03.12	First Draft	NH	RM	DW
Rev	Date	Description	Drm	Chk	App

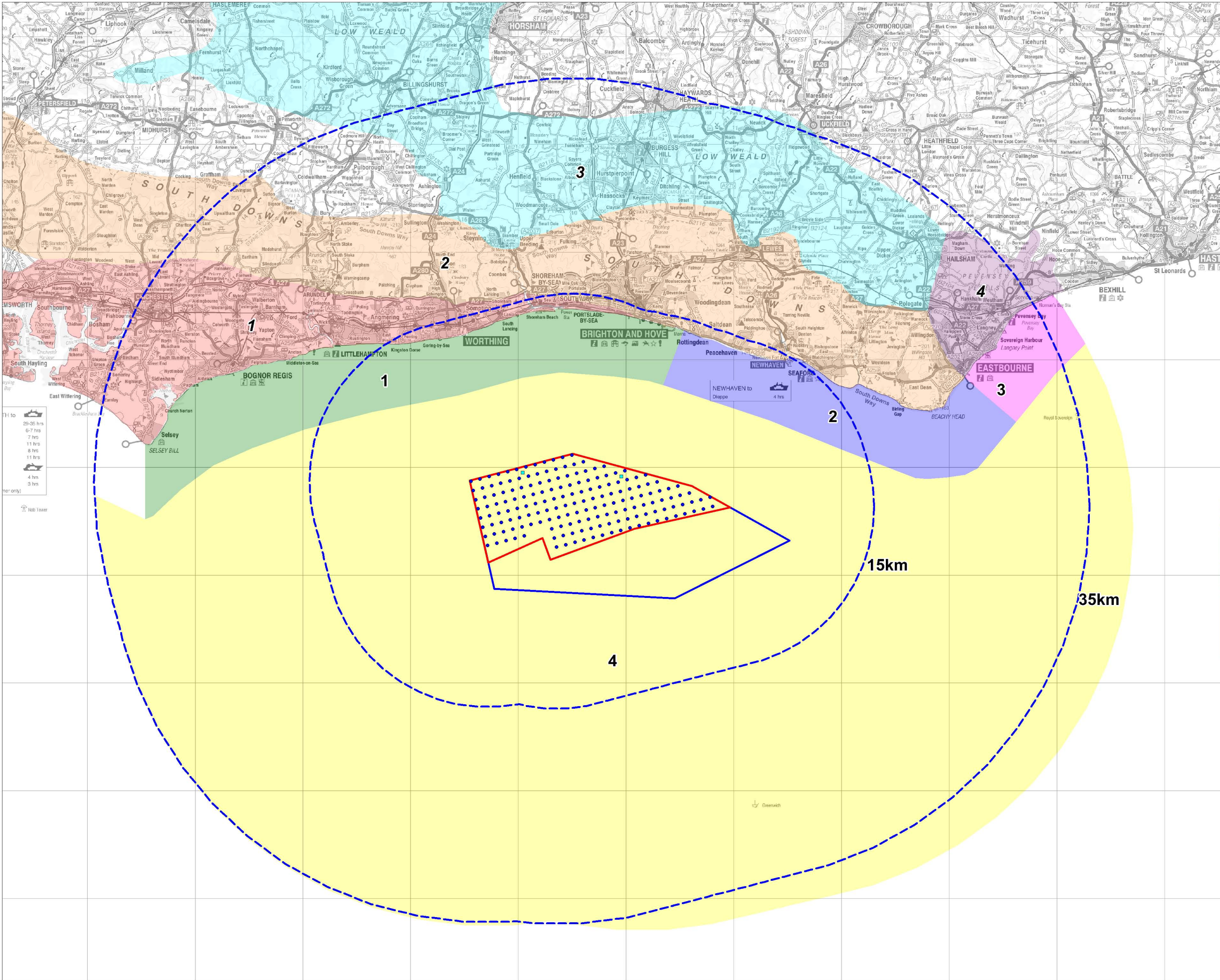
Rampion Wind Farm

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Figure 12.3b : Landscape Character Context (Eastern Area)

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- Legend**
- Proposed Turbine Location (Option F - 175 turbines)
 - Potential Substation Location
 - Distance Marker
 - The Crown Estate Zone 6
 - Rampion Offshore Wind Farm Site

- Seascape Character Areas**
- 1 South Coast Plain Coastal Waters
 - 2 South Downs Coastal Waters
 - 3 The Pevensey Levels Coastal Waters
 - 4 Beachy Head to Selsey Bill Offshore Waters

- Landscape Character Areas**
- 1 South Coast Plain
 - 2 South Downs
 - 3 Low Weald
 - 4 Pevensey Levels

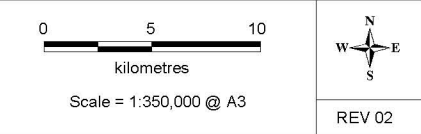


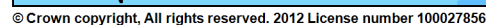
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01	04.04.12	distance marker	NH	RM	DW
00	06.03.12	First Draft	NH	RM	DW

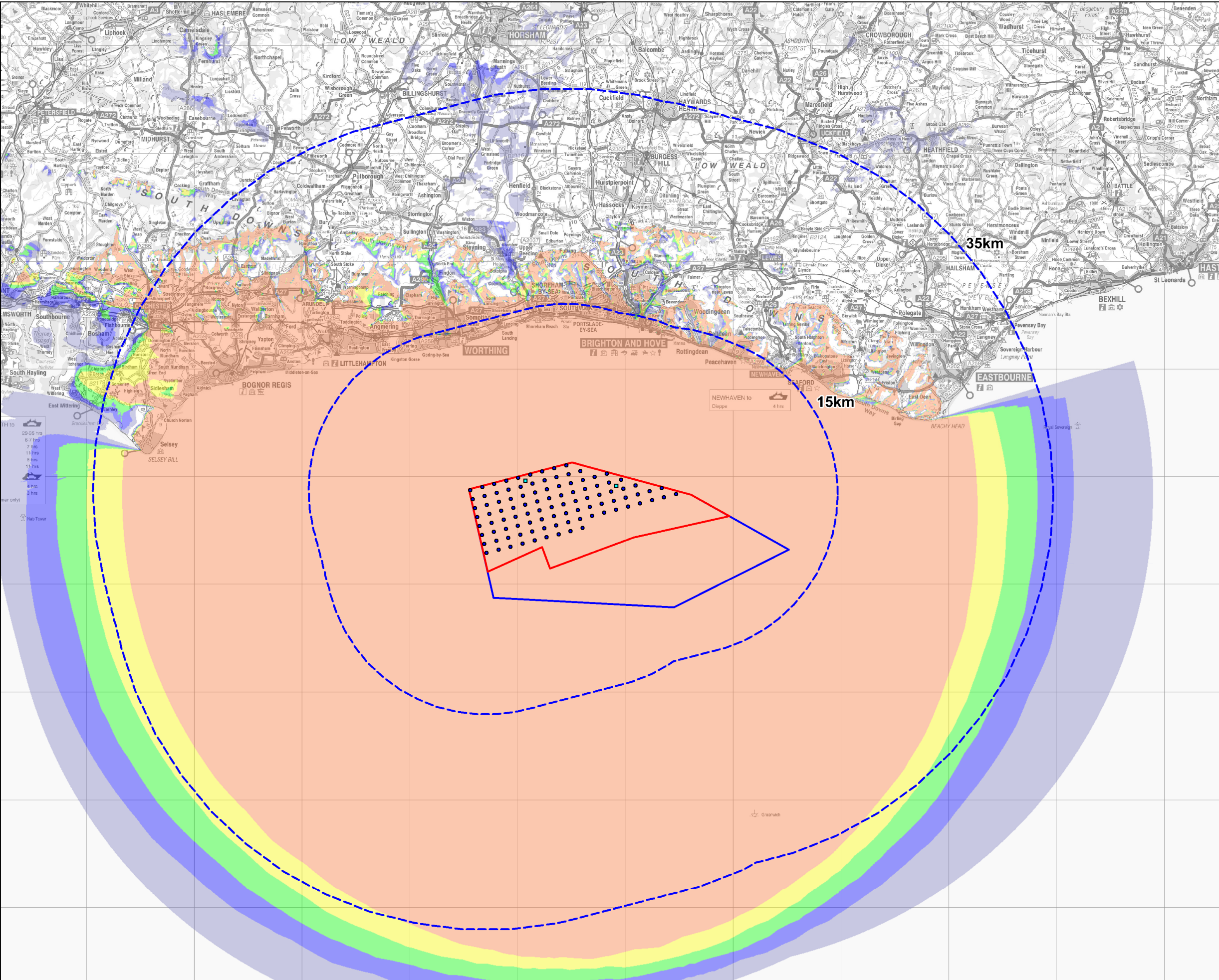
Rampion Wind Farm



Title :
Figure 12.4 : Assessment Seascape and Landscape Character Context







- Legend**
- Proposed Turbine Location (Option D - 100 Turbines)
 - Potential Substation Location
 - Distance Marker
 - The Crown Estate Zone 6
 - Rampion Offshore Wind Farm Site

Zone of Theoretical Visibility (ZTV):

- 1-20 turbines visible
- 21-40 turbines visible
- 41-60 turbines visible
- 61-80 turbines visible
- 81-100 turbines visible

*Based on Hub height being 124m above LAT and equivalent of 120.5m above OS datum



Rev	Date	Description	Drn	Chk	App
02	09.11.12	Layout D added	NH	RM	DW
01	04.04.12	distance marker	NH	RM	DW
00	06.03.12	First Draft	NH	RM	DW

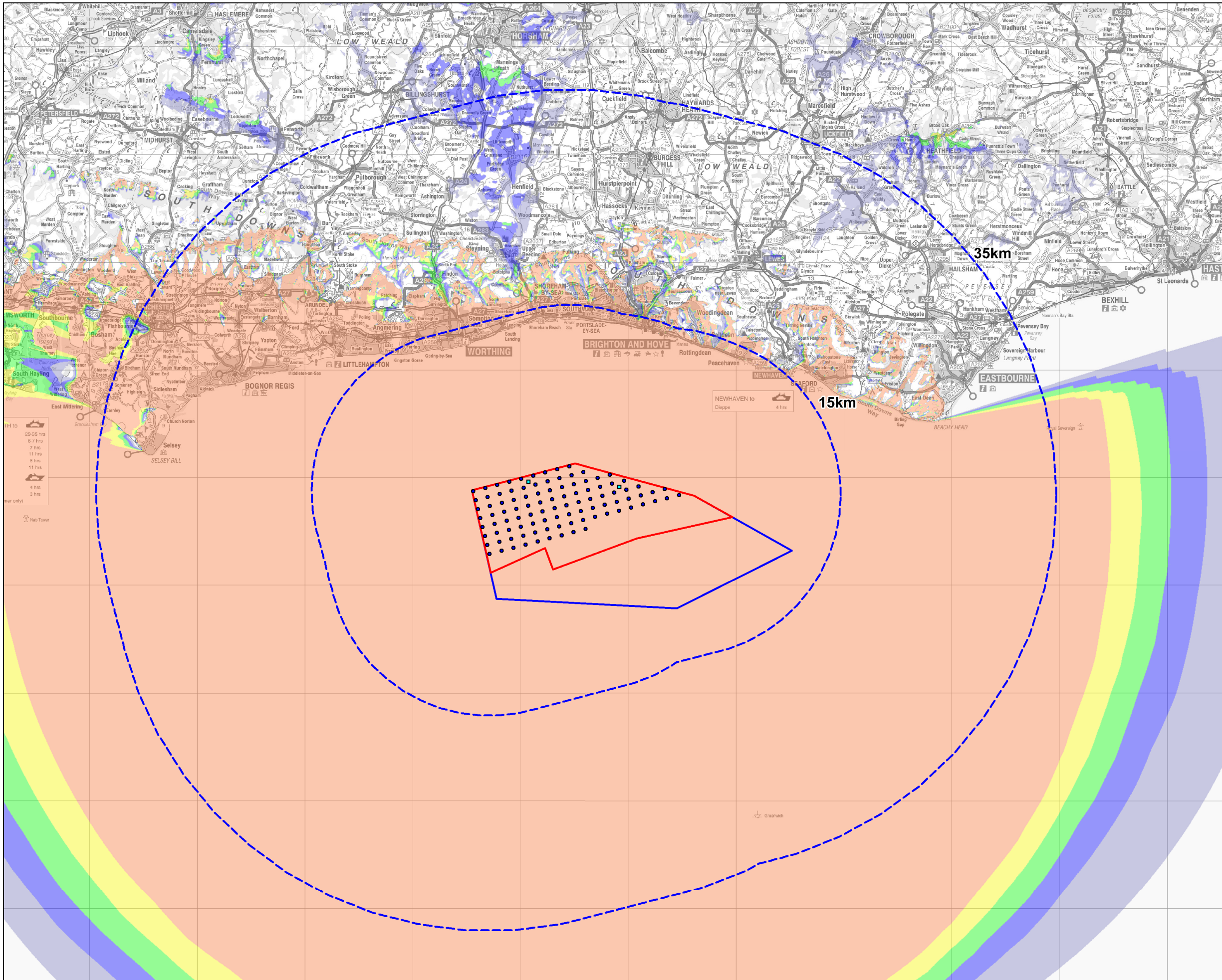
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Figure 12.6 - Zone of Theoretical Visibility (Hub at 124m) - Option D 100 Turbine Layout

0 5 10
kilometres
Scale = 1:350,000 @ A3

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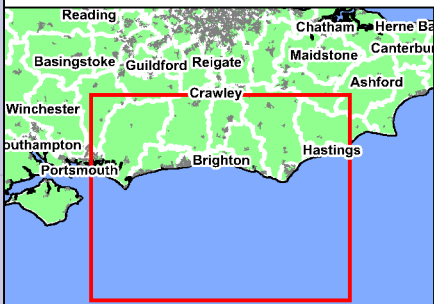
Legend

- Proposed Turbine Location (Option D - 100 Turbines)
- Potential Substation Location
- Distance Marker
- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site

Zone of Theoretical Visibility (ZTV):

- 1-20 turbines visible
- 21-40 turbines visible
- 41-60 turbines visible
- 61-80 turbines visible
- 81-100 turbines visible

*Based on Tip height being 210m above LAT and equivalent of 206.5m above OS datum



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02	09.11.12	Layout D added	NH	RM	DW
01	04.04.12	distance markers	NH	RM	DW
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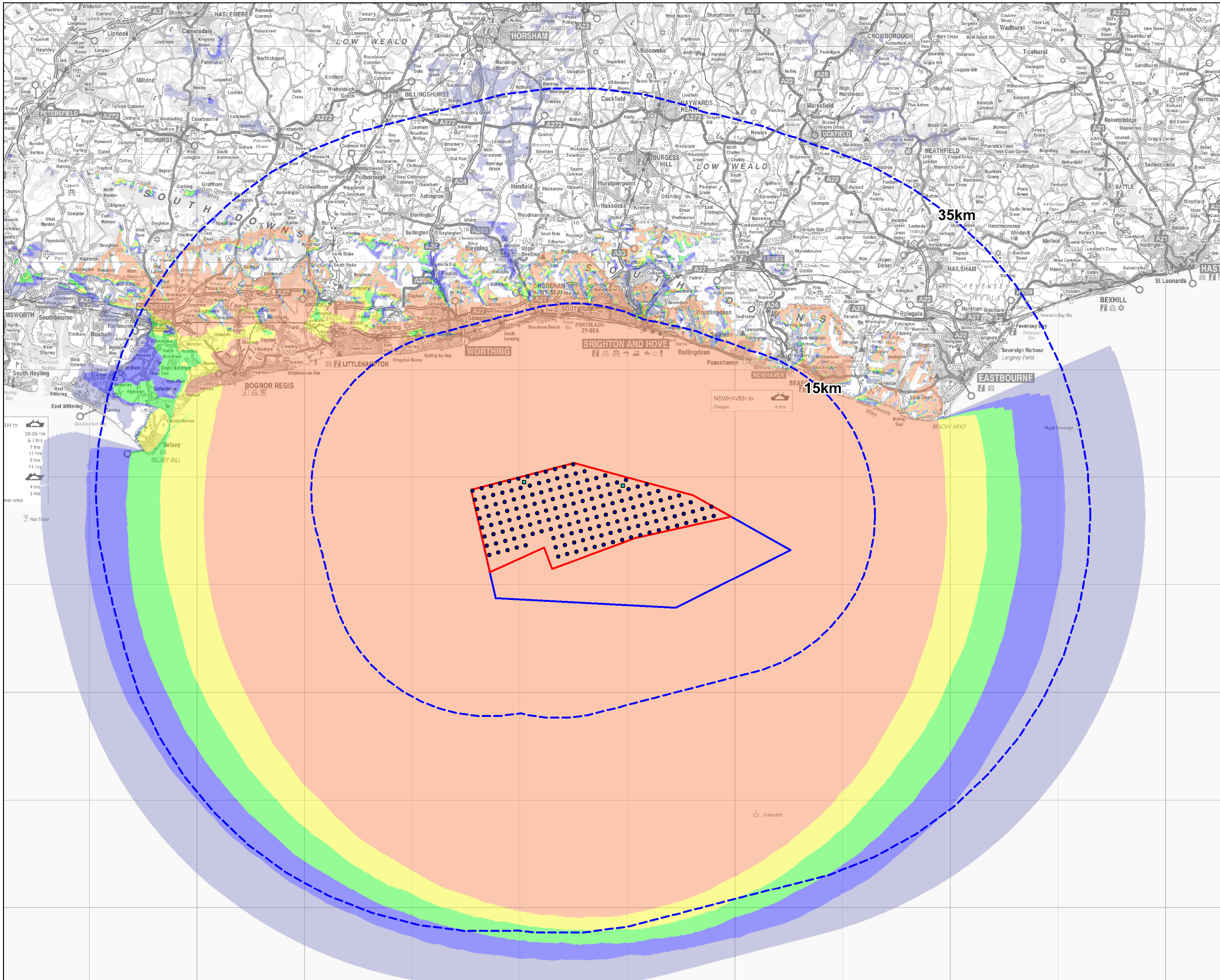


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Figure 12.7 - Zone of Theoretical Visibility (Tip at 210m) - Option D 100 Turbine Layout

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Legend

- Proposed Turbine Location (Option F - 175 turbine)
- Potential Substation Location
- Distance Marker
- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site

Zone of Theoretical Visibility (ZTV) :

- 1-35 turbines visible
- 36-70 turbines visible
- 71-105 turbines visible
- 106-140 turbines visible
- 141-175 turbines visible

*Based on Hub height being 100m above LAT and equivalent of 96.5m above OS datum

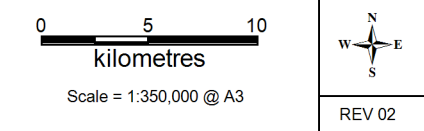


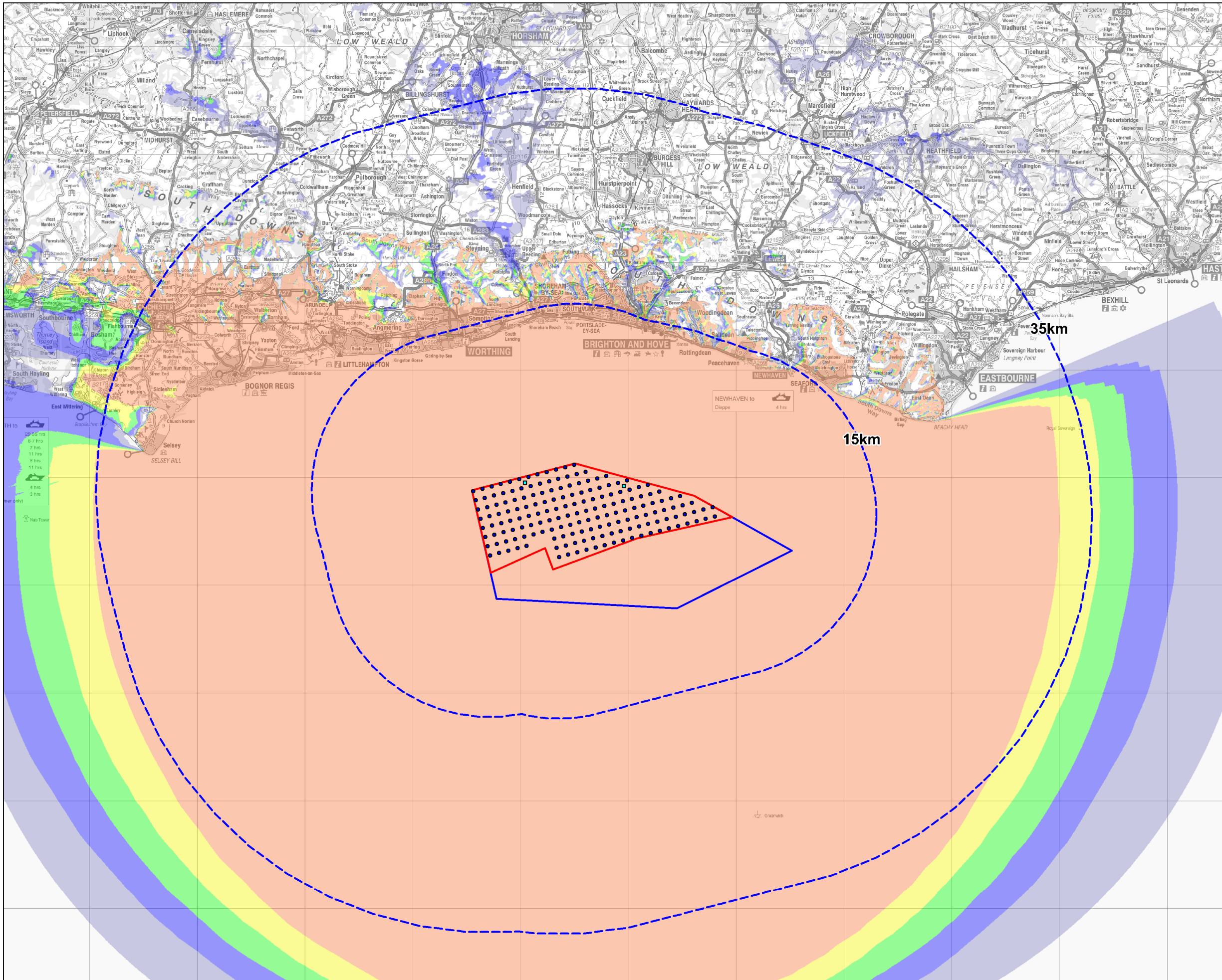
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02	09.11.12	Layout F added	NH	RM	DW
01	04.04.12	distance marker	NH	RM	DW
00	04.03.12	First Draft	NH	RM	DW

Rampion Wind Farm



Title :
Figure 12.8 - Zone of Theoretical Visibility (Hub at 100m) - Option F 175 Turbine Layout





- Legend**
- Proposed Turbine Location (Option F - 175 turbines)
 - Potential Substation Location
 - Distance Marker
 - The Crown Estate Zone 6
 - Rampion Offshore Wind Farm Site

Zone of Theoretical Visibility (ZTV) :

- 1-35 turbines visible
- 36-70 turbines visible
- 71-105 turbines visible
- 106-140 turbines visible
- 141-175 turbines visible

*Based on Tip height being 165m above LAT and equivalent of 161.5m above OS datum



Rev	Date	Description	Drn	Chk	App
02	09.11.12	Layout F added	NH	RM	DW
01	04.04.12	distance marker	NH	RM	DW
00	07.03.12	First Draft	NH	RM	DW

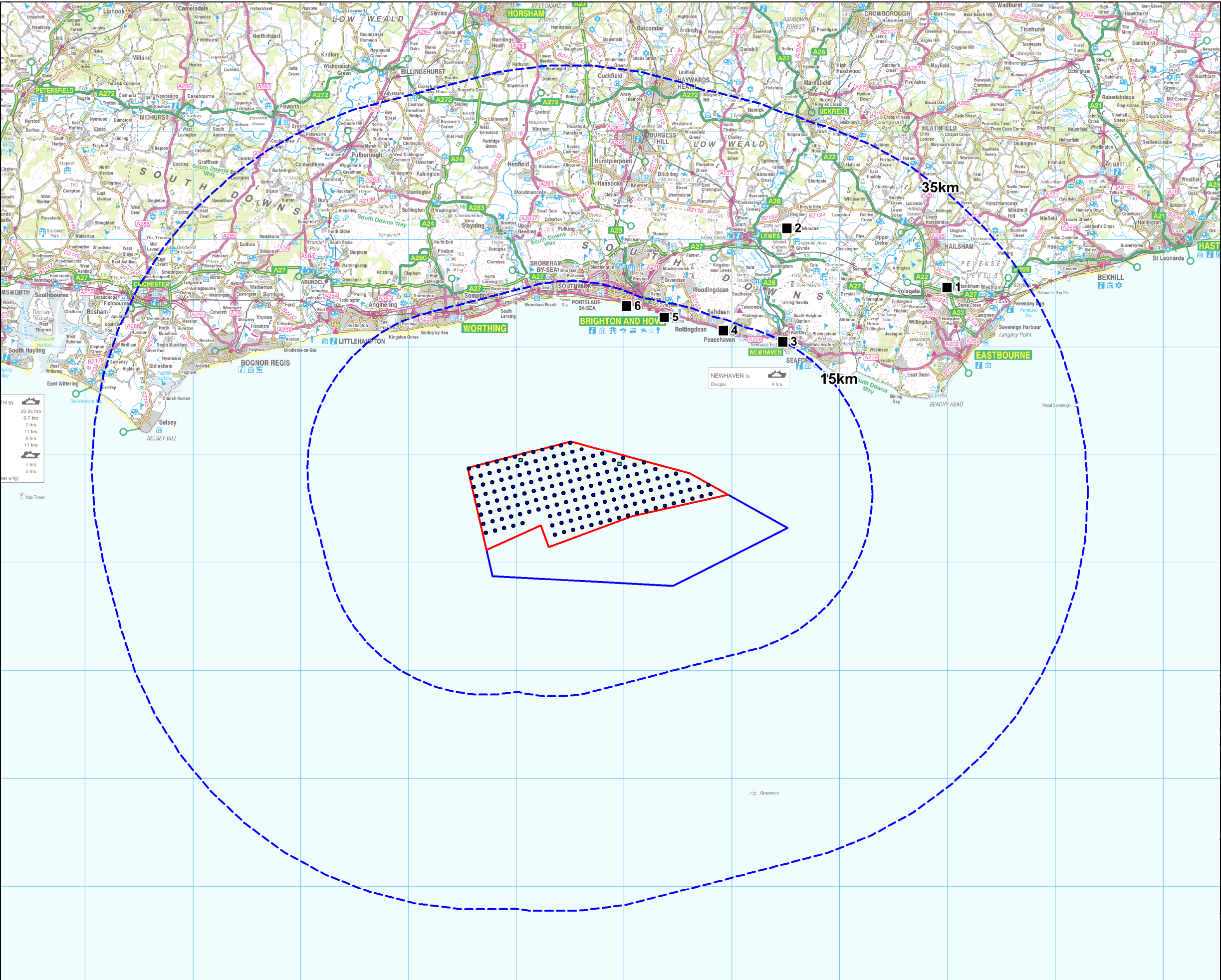
Rampion Wind Farm

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Figure 12.9 - Zone of Theoretical Visibility (Tip at 165m) - Option F 175 Turbine Layout

0 5 10
kilometres
Scale = 1:350,000 @ A3

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Legend

- Proposed Turbine Location (Option F - 175 turbine option)
- Potential Substation Location
- Distance Marker
- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site

- Cumulative Developments**
- Shepham Wind Farm (In Planning)
 - Glyndebourne Wind Turbine (Operational)
 - Newhaven Port Masterplan
 - Peacehaven Waste Water Treatment Works (Approved Application)
 - Outer Harbour, Brighton Marina (Approved Application)
 - Brighton i360 and West Pier Heritage Centre (Approved Application)



Rev	Date	Description	Drm	Chk	App
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01	04.04.12	distance marker	NH	RM	DW
00	06.03.12	First Draft	NH	RM	DW

Rampion Wind Farm

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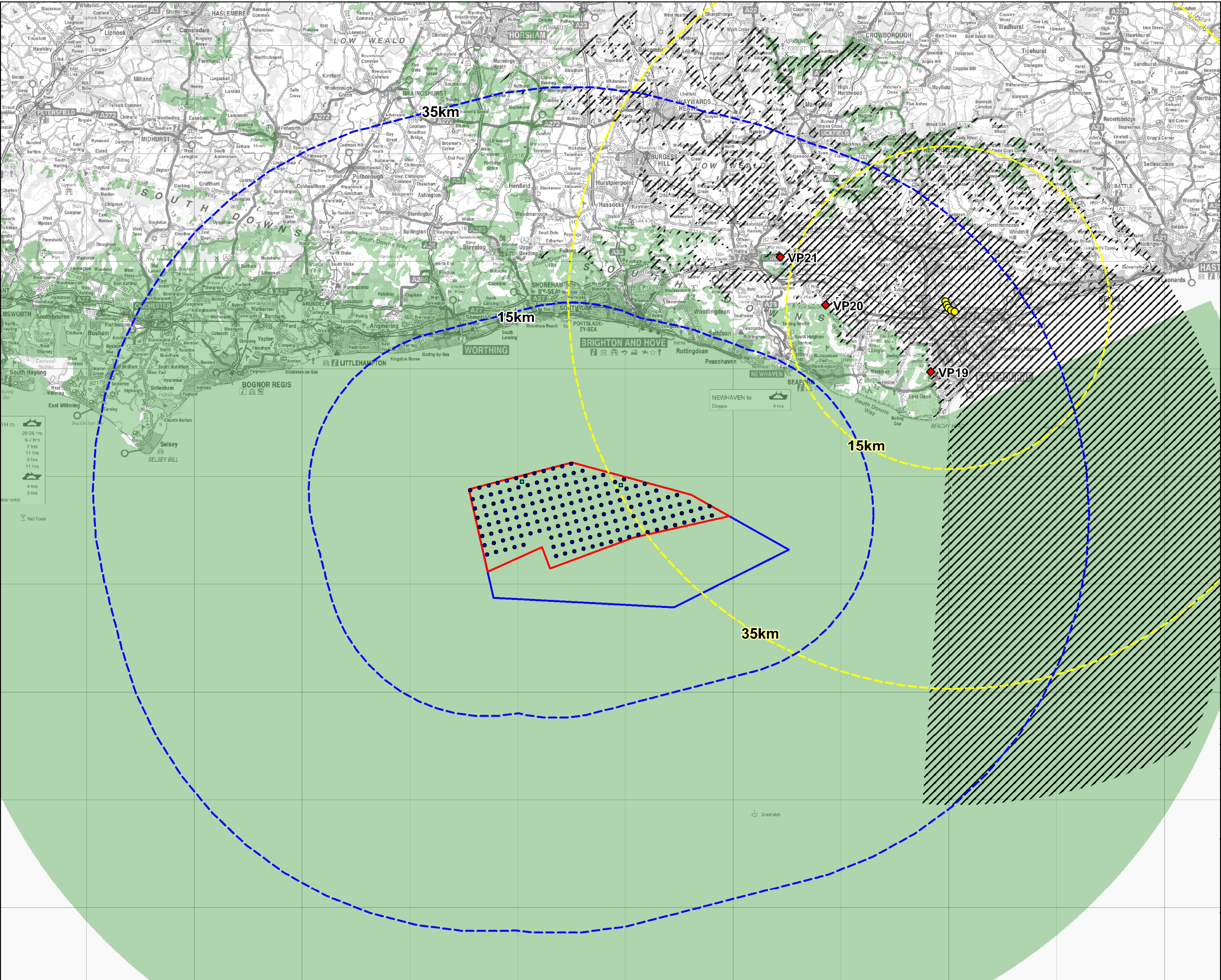
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Figure 12.10 : Cumulative Development Locations

0 5 10 kilometres

Scale = 1:350,000 @ A3

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Legend

- Proposed Turbine Location (Option F - 175 turbines)
- Potential Substation Location
- Distance Marker for Proposed Rampion Offshore Wind Farm
- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site
- ZTV for Proposed Rampion Wind Farm (Tip at 165m) *
- Proposed Shepham Wind Farm (5 turbines, In planning)
- Distance Marker for Shepham Wind Farm (In planning)
- ZTV for Shepham Wind Farm (In planning) - 126.25m Tip
- Cumulative Viewpoint Location

* Based on Tip height being 165m above LAT and equivalent of 161.5m above OS datum



Rev	Date	Description	Drn	Chk	App
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01	04.04.12	distance marker	NH	RM	DW
00	07.03.12	First Draft	NH	RM	DW

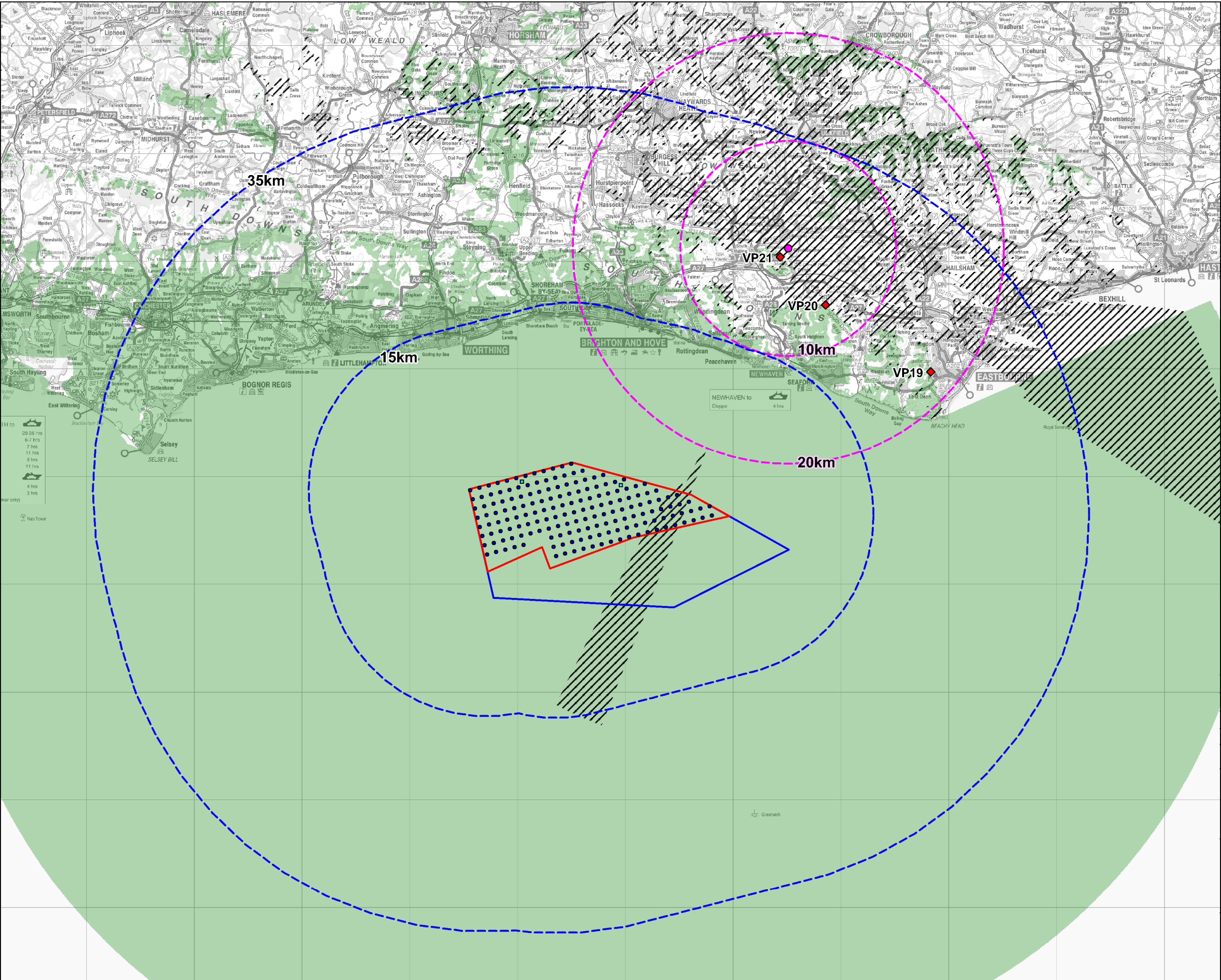
Rampion Wind Farm

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Title :
Figure 12.11: Cumulative Wind Farm
Zone of Theoretical Visibility and
Viewpoints - Shepham

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kilometres
Scale = 1:350,000 @ A3

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Legend

- Proposed Turbine Location (Layout F - 175 turbines)
- Potential Substation Location
- Distance Marker for Proposed Rampion Offshore Wind Farm
- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site
- ZTV for Proposed Rampion Wind Farm (Tip at 165m) *
- Glyndebourne Wind Turbine
- Distance Marker for Glyndebourne Wind Turbine (Operational)
- ZTV for Glyndebourne Wind Turbine (Operational) - 70m Tip
- Cumulative Viewpoint Location

* Based on Tip height being 165m above LAT and equivalent of 161.5m above OS datum



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Rampion Wind Farm

Title :

Figure 12.12: Cumulative Wind Farm Zone of Theoretical Visibility and Viewpoints - Glyndebourne

05 kilometres

Scale = 1:350,000 @ A3

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