



Rampion Offshore Wind Farm



ES Section 12 – SLVIA Figures 12.48A -12.50

RSK Environmental Ltd

Document 6.2.12x

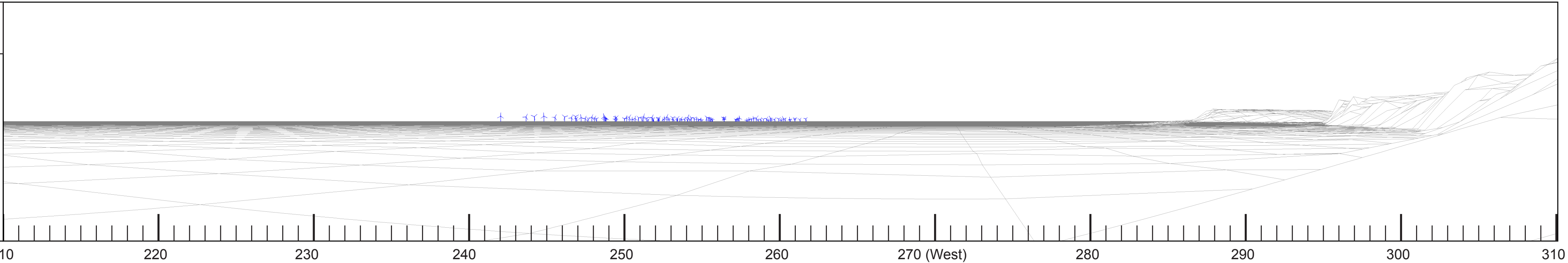
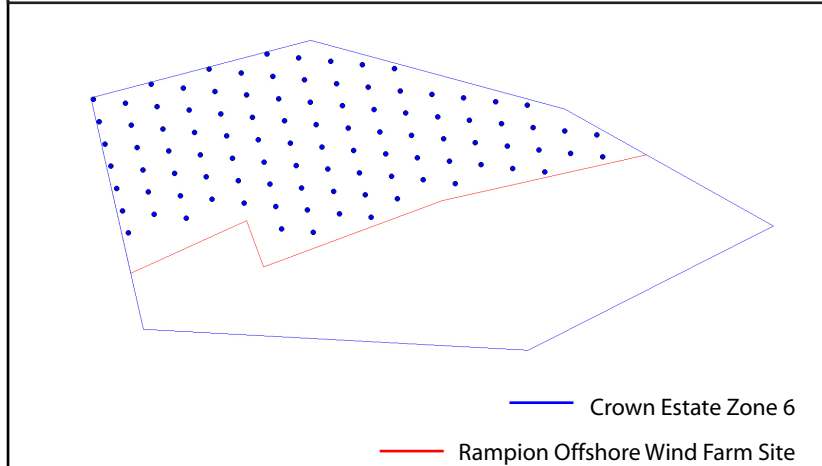
December 2012

APFP Regulation 5(2)(a)

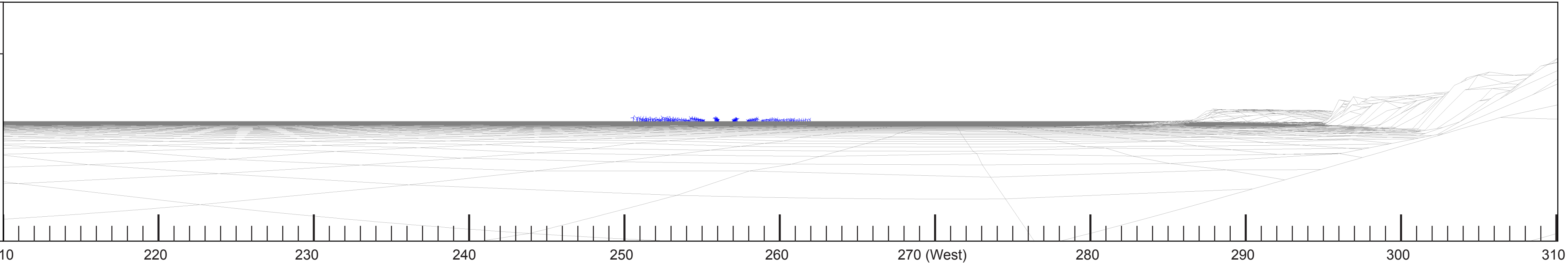
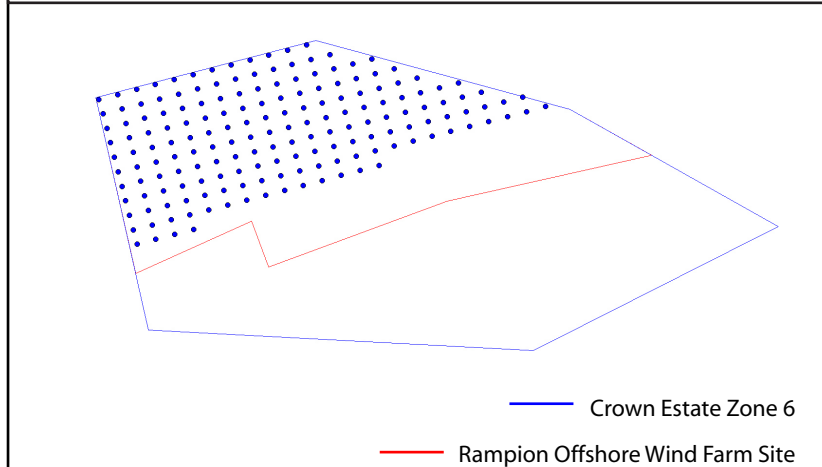
Revision A

E.ON Climate & Renewables UK Rampion Offshore Wind Limited

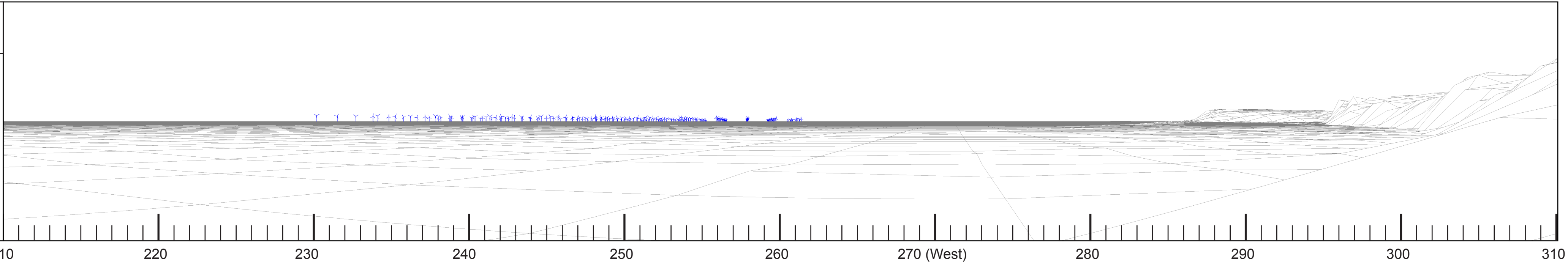
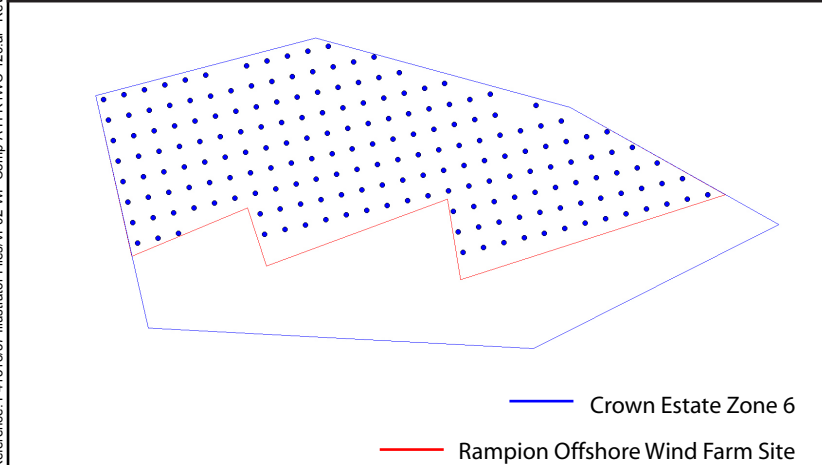
Wireline View from Birling Gap Cliff Top - Turbine Layout A,
100 x 7MW turbines, full layout, hexagonal grid,
1000m x 1300m turbine spacing.



Wireline View from Birling Gap Cliff Top - Turbine Layout H,
175 x 4MW turbines, compressed layout, orthogonal grid,
650m x 850m turbine spacing.



Wireline View from Birling Gap Cliff Top - Draft SLVIA worst case
assessment layout, 195 x 3.6MW turbines, full layout, orthogonal grid,
920m x 920m turbine spacing.



Viewpoint title : Birling Gap Cliff Top

Grid reference : 555382, 095992

Direction of view : 250°

Included angle of view : 120°

Correct viewing distance: 31cm

Number of turbine blade tips and hubs visible:

Layout A:

Number of turbine blade tips visible : 100

Number of turbine hubs visible : 100

Layout H:

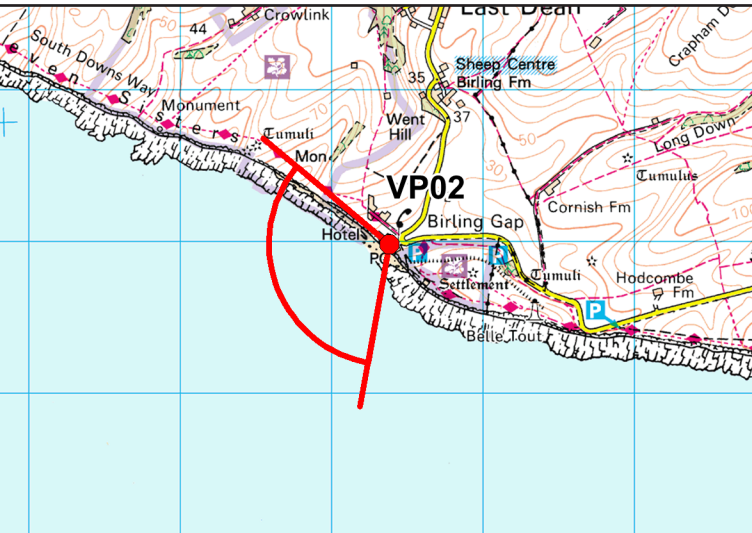
Number of turbine blade tips visible : 175

Number of turbine hubs visible : 175

Draft SLVIA worst case assessment layout:

Number of turbine blade tips visible : 195

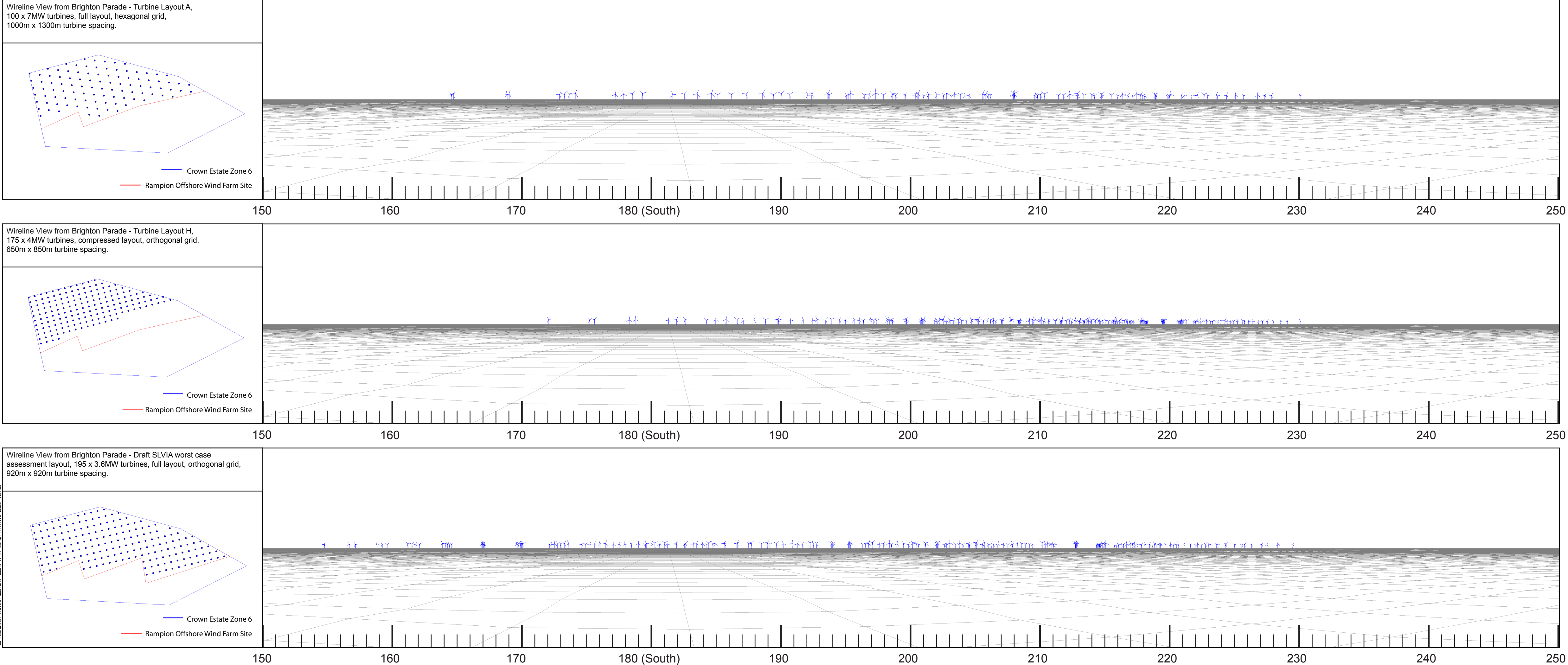
Number of turbine hubs visible : 195

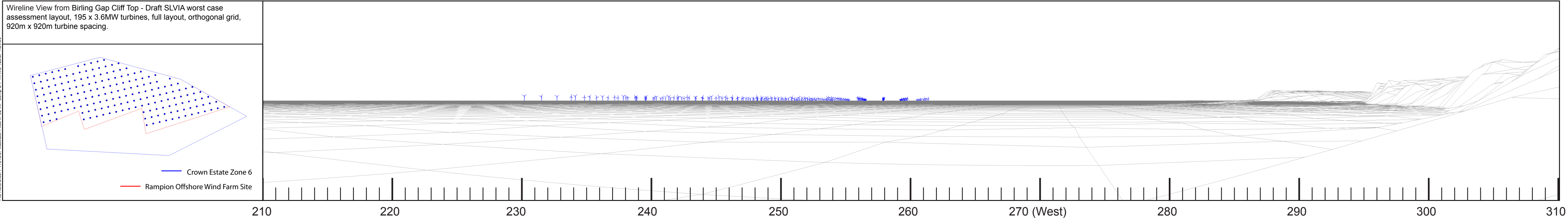
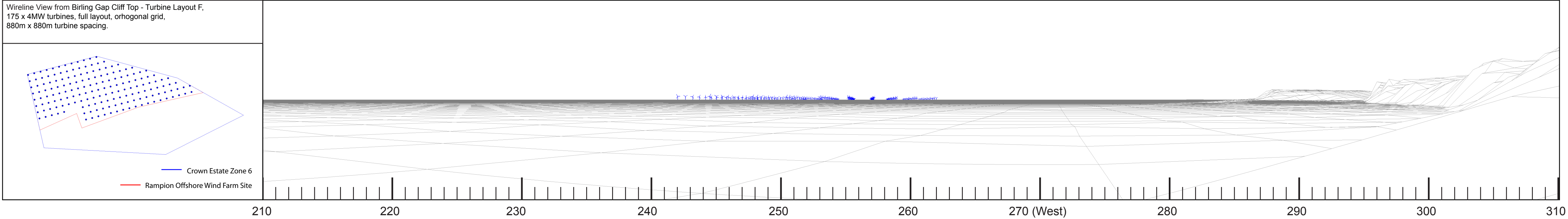
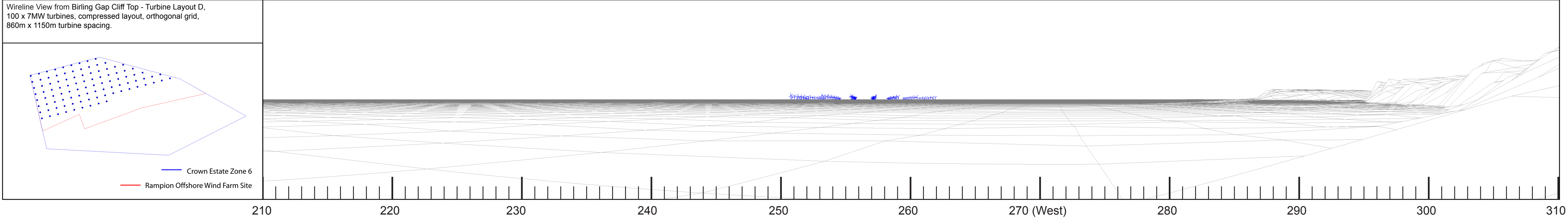


Wireline Comparison of Turbine Height/Plan Layout Variables (Viewpoint 2 Birling Gap Cliff Top)

Figure 12.48a

Rampion Wind Farm





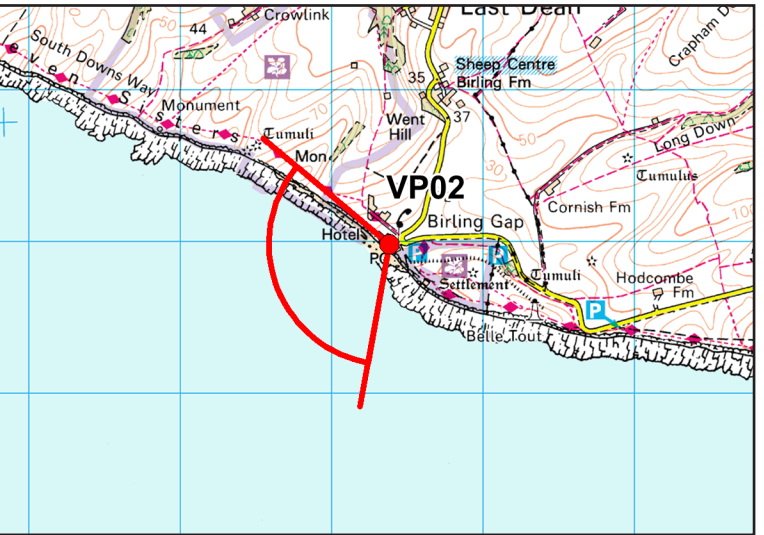
Viewpoint title : Birling Gap Cliff Top
Grid reference : 555382, 095992
Direction of view : 250°
Included angle of view : 120°
Correct viewing distance: 31cm

Number of turbine blade tips and hubs visible:

Layout D:
Number of turbine blade tips visible : 100
Number of turbine hubs visible : 100

Layout F:
Number of turbine blade tips visible : 175
Number of turbine hubs visible : 175

Draft SLVIA worst case assessment layout:
Number of turbine blade tips visible : 195
Number of turbine hubs visible : 195

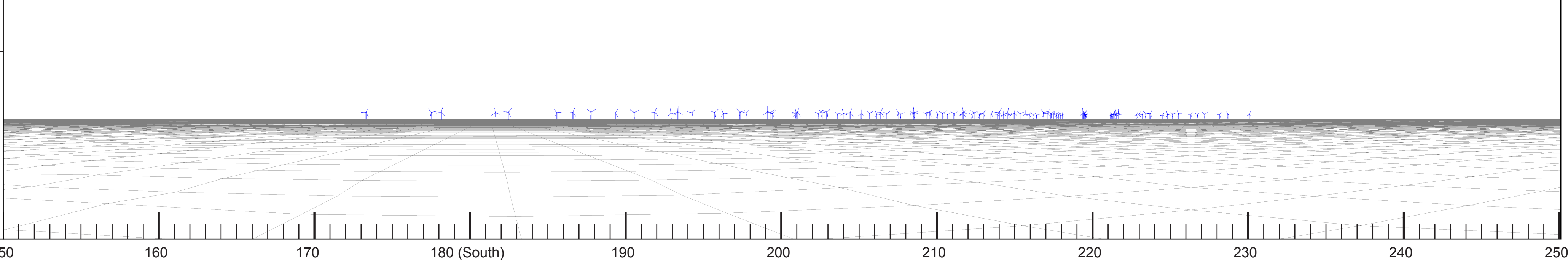
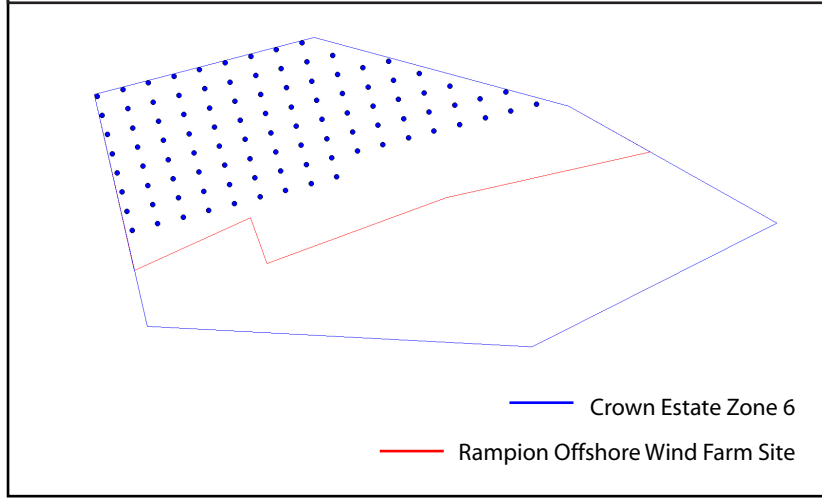


**Wireline Comparison of
Scheme Layout Variables
(Viewpoint 2 Birling Gap Cliff Top)**

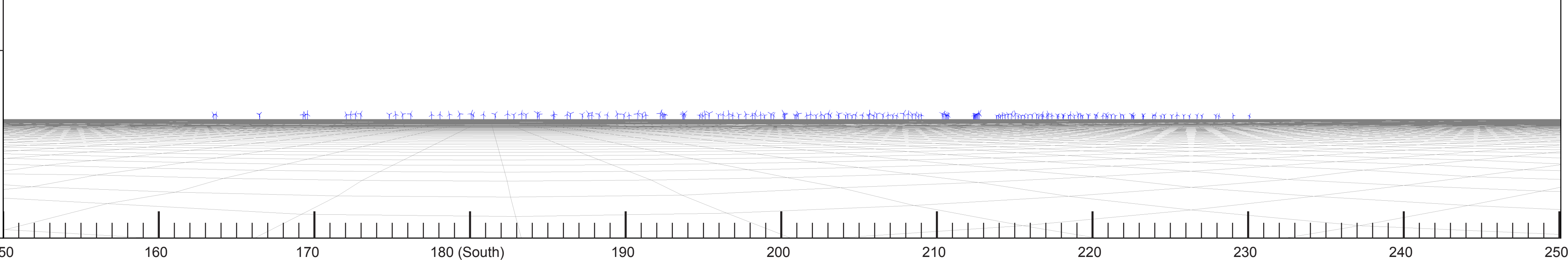
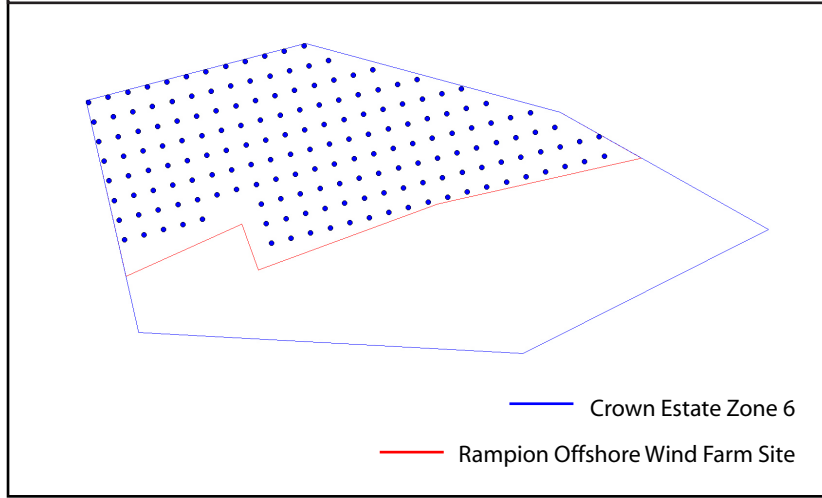
Figure 12.49a

Rampion Wind Farm

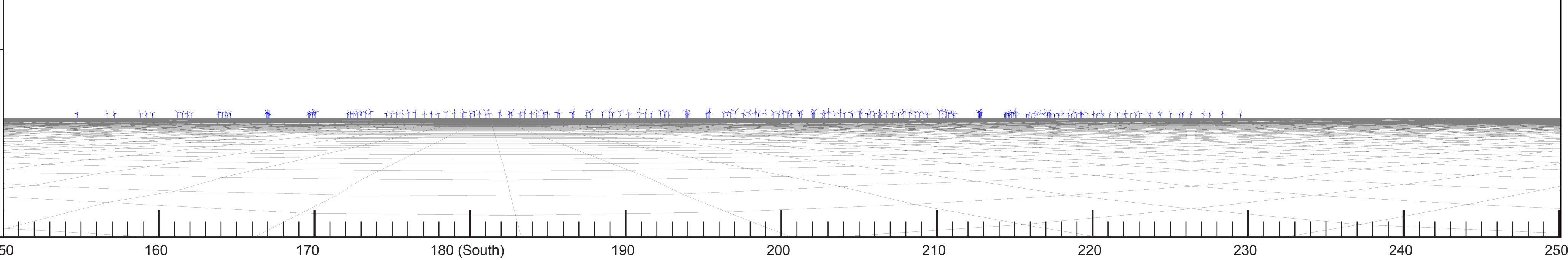
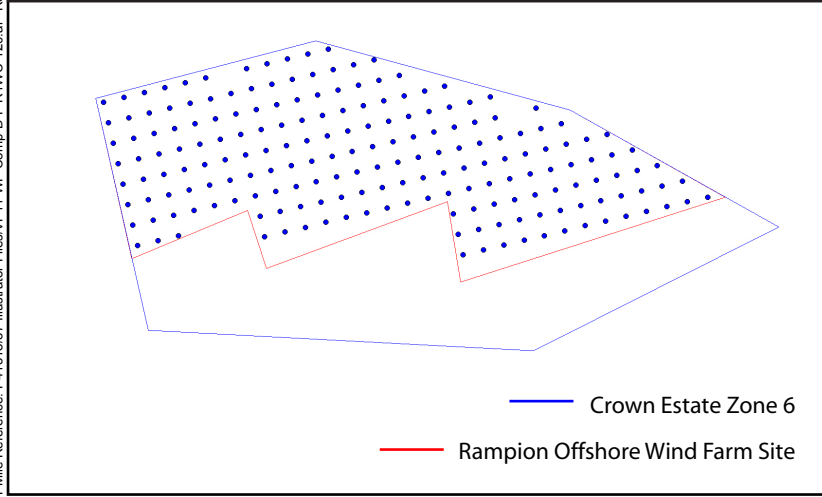
Wireline View from Brighton Parade - Turbine Layout D,
100 x 7MW turbines, compressed layout, orthogonal grid,
860m x 1150m turbine spacing.



Wireline View from Brighton Parade - Turbine Layout F,
175 x 4MW turbines, full layout, orthogonal grid,
880m x 880m turbine spacing.



Wireline View from Brighton Parade - Draft SLVIA worst case
assessment layout, 195 x 3.6MW turbines, full layout, orthogonal grid,
920m x 920m turbine spacing.



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Viewpoint title : Brighton Parade
Grid reference : 532556, 103606
Direction of view : 190°
Included angle of view : 120°
Correct viewing distance: 31cm

Number of turbine blade tips and hubs visible:

Layout D:
Number of turbine blade tips visible : 100
Number of turbine hubs visible : 100

Layout F:
Number of turbine blade tips visible : 175
Number of turbine hubs visible : 175

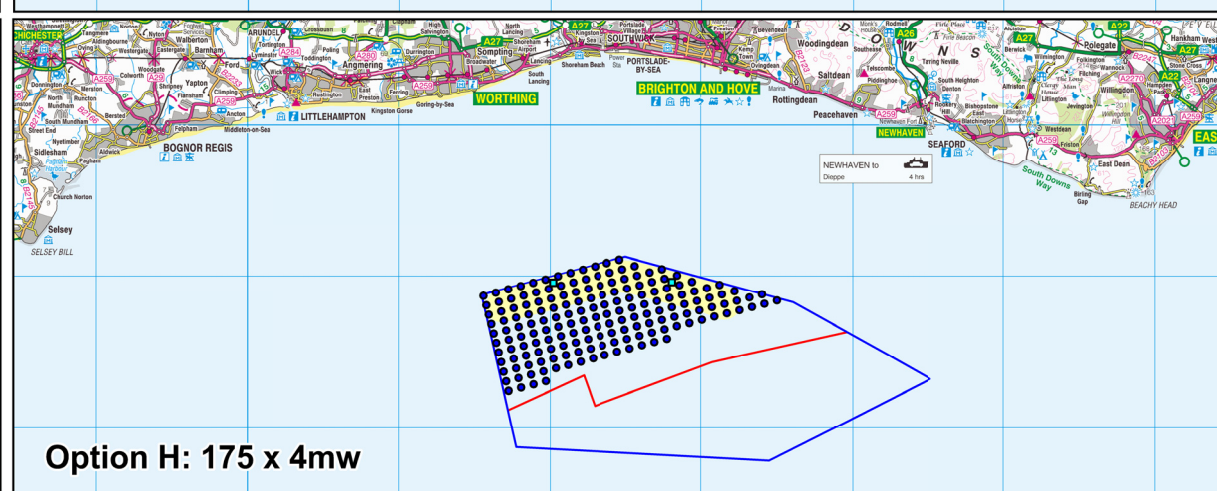
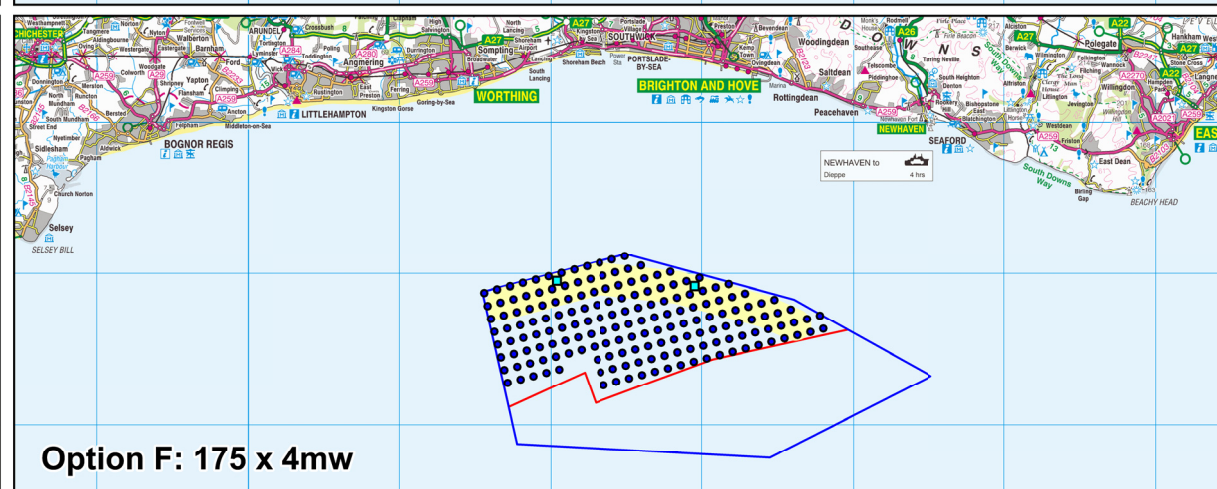
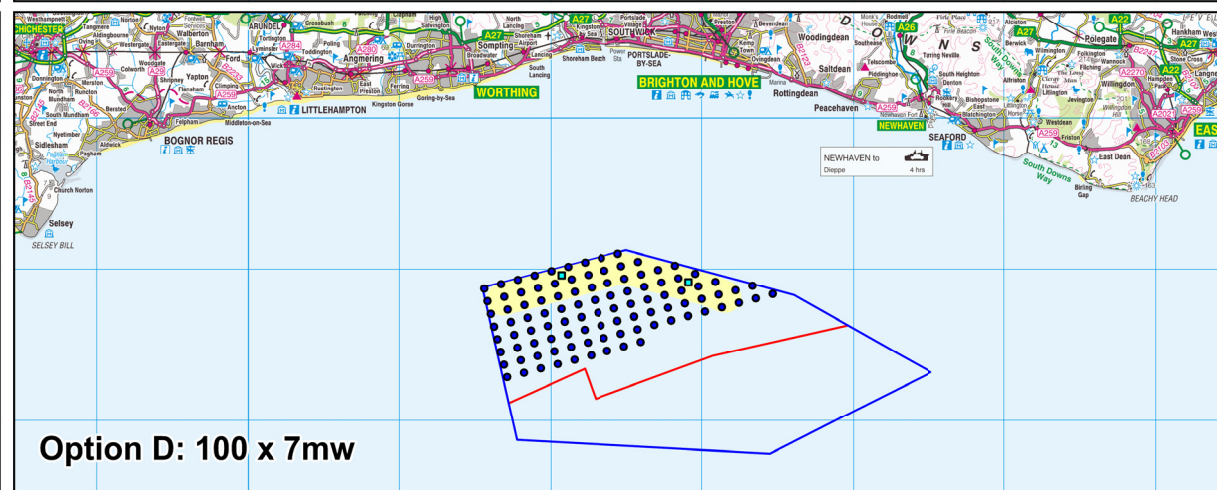
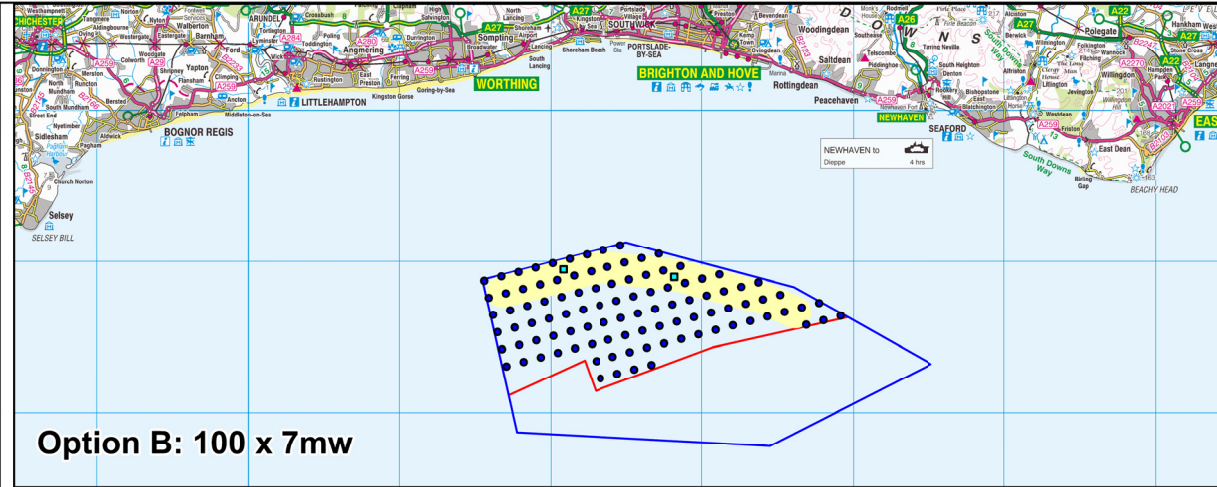
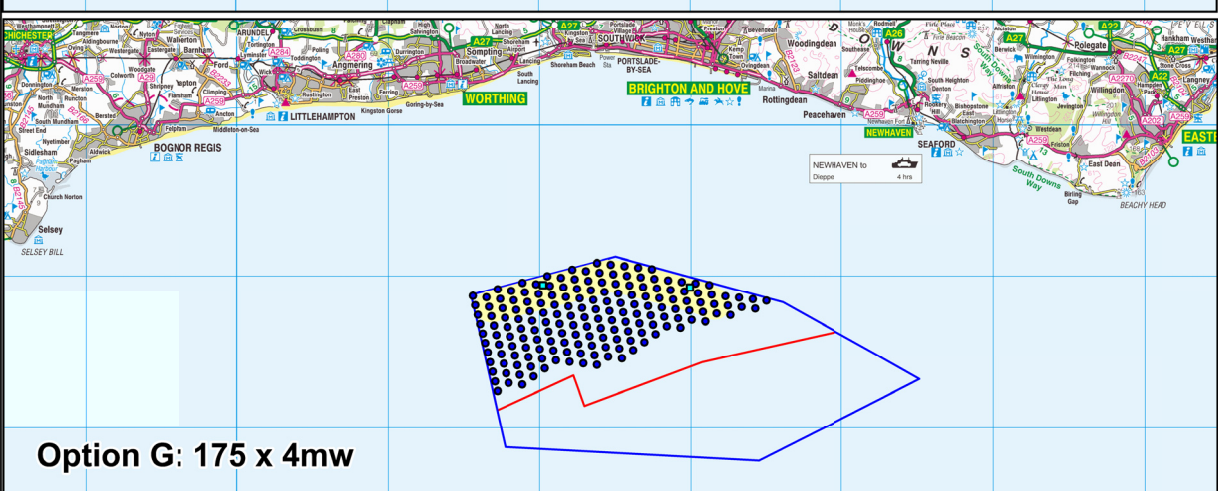
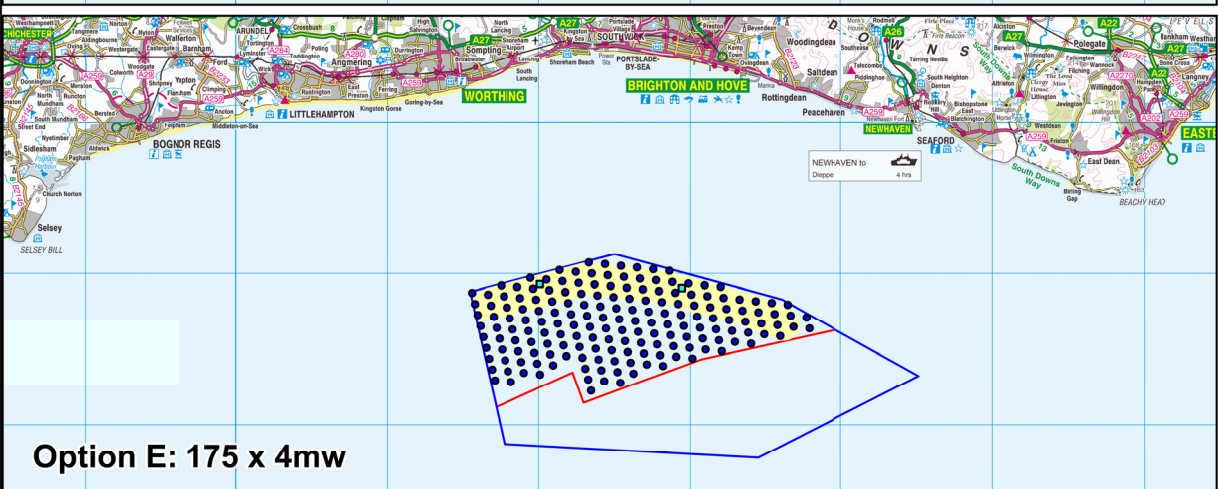
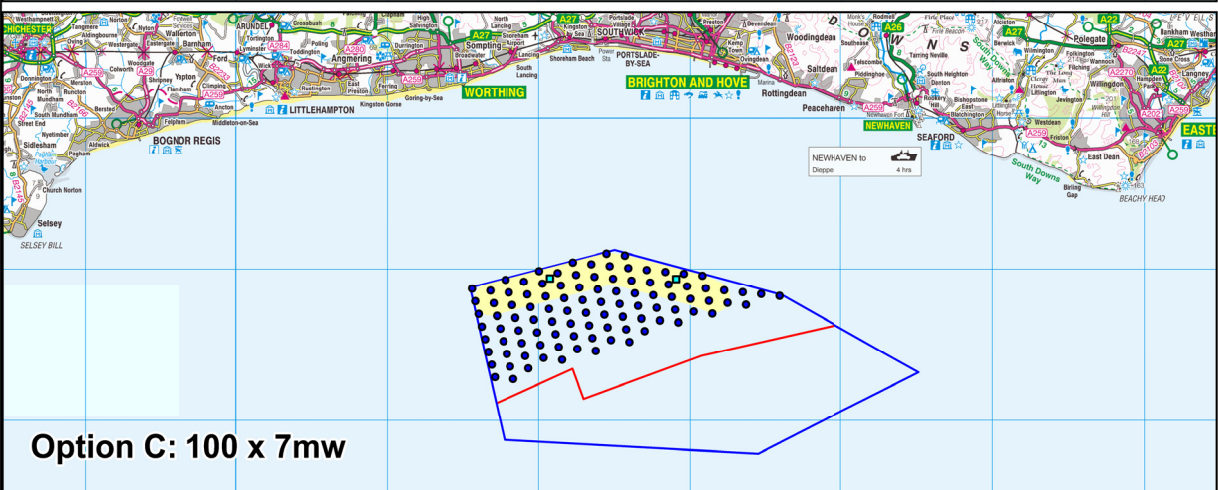
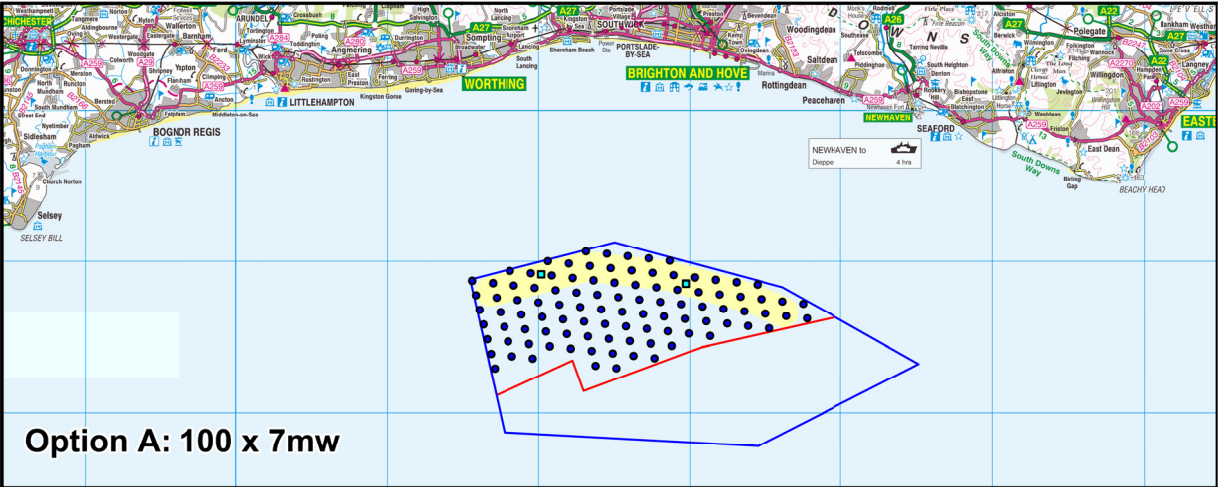
Draft SLVIA worst case assessment layout:
Number of turbine blade tips visible : 195
Number of turbine hubs visible : 195



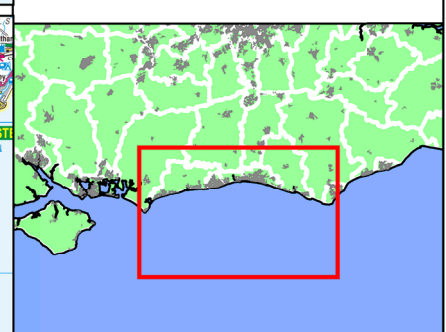
**Wireline Comparison of
Scheme Layout Variables
(Viewpoint 11 Brighton Parade)**

Figure 12.49b

Rampion Wind Farm



- Legend :
- Turbine
 - Sub-station
 - Crown Estate Zone 6
 - Rampion Offshore Wind Farm Site
 - Sub-station Buffer Zone



00	19.10.20	First Draft	AW	RM	DW
Rev	Date	Description	Drm	Chk	App

Rampion Offshore Wind Farm

e-on RSK

Figure 12.50: Turbine Layout Options

