

For correct perspective viewing, this image must be viewed at a distance of 300mm with one eye ,whilst curved through the same radius. These photoviews have been taken using a Nikon D7000 DSLR with a fixed 35mm lens. Document dimensions [425mm x 297mm]

S.0340_14-B ALPHA



Firth of Forth Offshore Wind Farm - Project Alpha

Fig 16.10A

Viewpoint 1-

Garron Point

Viewpoint Information

Date & time of photography : 18/10/11 @ 15:20 OS reference : 388592, 787597

Viewpoint height : 57m Distance to nearest WTG of Project Alpha : 37.699km No of hubs theoretically visible : 75 No of tips theoretically visible : 75 View bearing : 156.5 degrees Angle of view : 75 degrees



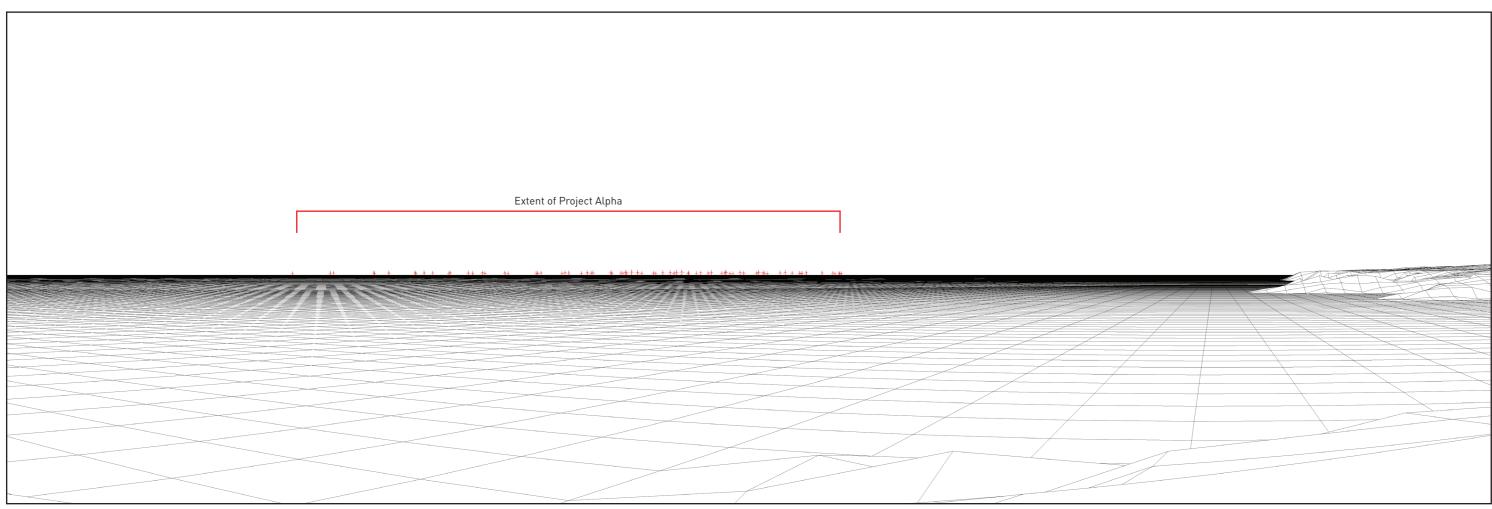


Fig 16.10B Viewpoint 1-Garron Point

Viewpoint Information

Turbine tip height : 209.7m

Turbine hub height : 126.2m

Date & time of photography : 18/10/11 @ 15:20

OS reference : 388592, 787597

Viewpoint height : 57m

Distance to nearest WTG of Project Alpha: 37.699km

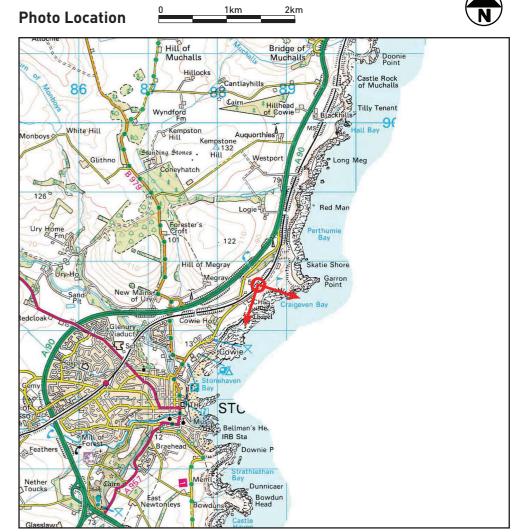
No of hubs theoretically visible : 75

No of tips theoretically visible : 75

View bearing : 156.5 degrees











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Firth of Forth Offshore Wind Fig 16.11A Viewpoint 2-

St Cyrus

Viewpoint Information

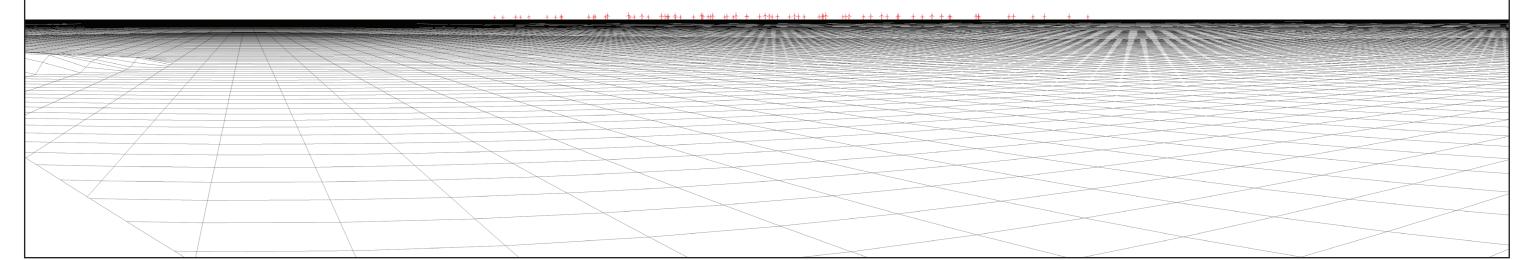
Offshore Wind Viewpoint 2- Date & time of photography: 7/9/11 @ 14:25
Farm - Project Alpha Beach Rd, Kirkton, OS reference: 375188, 764634

Viewpoint height : 74m Distance to nearest WTG of Project Alpha : 32.271km

No of hubs theoretically visible : 75 No of tips theoretically visible : 75

View bearing : 116.28 degrees Angle of view : 75 degrees

Extent of Project Alpha



Wireframe

Fig 16.11B

Viewpoint 2-Beach Rd, Kirkton, St Cyrus Viewpoint Information

Turbine tip height : 209.7m

Turbine hub height : 126.2m

Date & time of photography : 7/9/11 @ 14:25

OS reference : 375188, 764634

Viewpoint height: 74m

Distance to nearest WTG of Project Alpha: 32.271km

No of hubs theoretically visible: 75

No of tips theoretically visible : 75

View bearing : 116.28 degrees

Angle of view : 75 degrees





Photo Location 0 1km 2km







Existing View



Photomontage

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S.0340_14-B ALPHA



Firth of Forth Offshore Wind Farm - Project Alpha

Fig 16.12A
Viewpoint 3White Caterthun

Hill Fort

Viewpoint Information

Date & time of photography : 18/10/11 @ 13:30 OS reference : 345819, 766084

Viewpoint height : 292m Distance to nearest WTG of Project Alpha : 52.051km No of hubs theoretically visible : 75 No of tips theoretically visible : 75 View bearing : 109.65 degrees Angle of view : 75 degrees



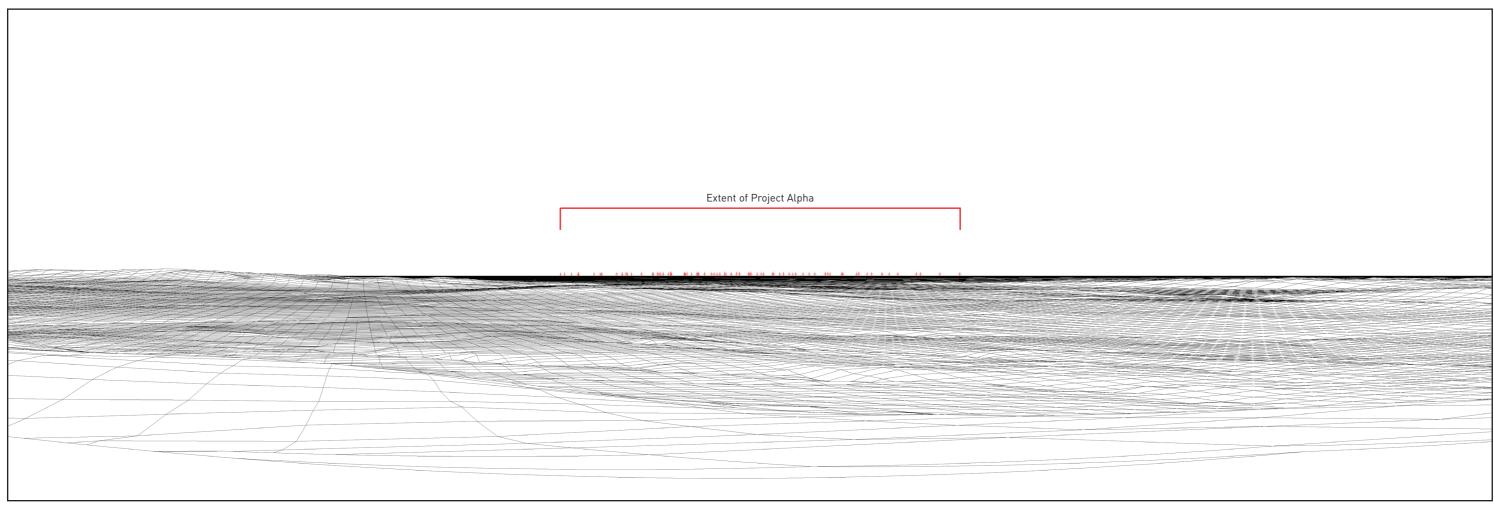


Fig 16.12B

Viewpoint 3-White Caterthun Hill Fort Viewpoint Information

Turbine tip height : 209.7m

Turbine hub height : 126.2m

Date & time of photography : 18/10/11 @ 13:30

OS reference : 345819, 766084

Viewpoint height : 292m

Distance to nearest WTG of Project Alpha: 52.051km

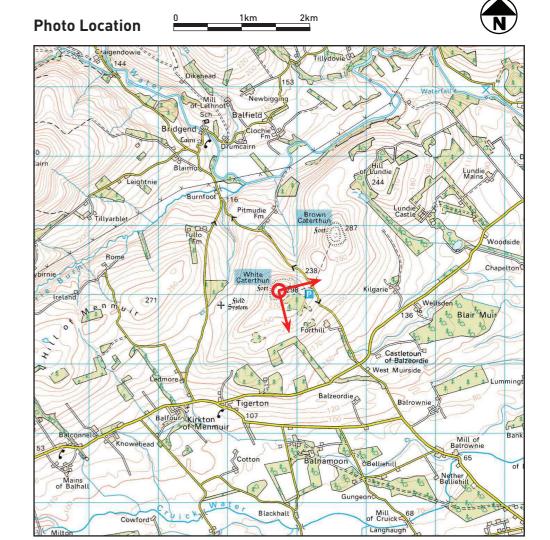
No of hubs theoretically visible: 75

No of tips theoretically visible : 75

View bearing : 109.65 degrees









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Firth of Forth Offshore Wind Farm - Project Alpha Fig 16.13A Viewpoint Information
Viewpoint 4
Date & time of photograph

Montrose

Date & time of photography : 7/9/11 @ 13:40 OS reference : 372684, 757958

Viewpoint height : 1m Distance to nearest WTG of Project Alpha : 32.709km No of hubs theoretically visible : 74 No of tips theoretically visible : 75 View bearing : 108.2 degrees Angle of view : 75 degrees



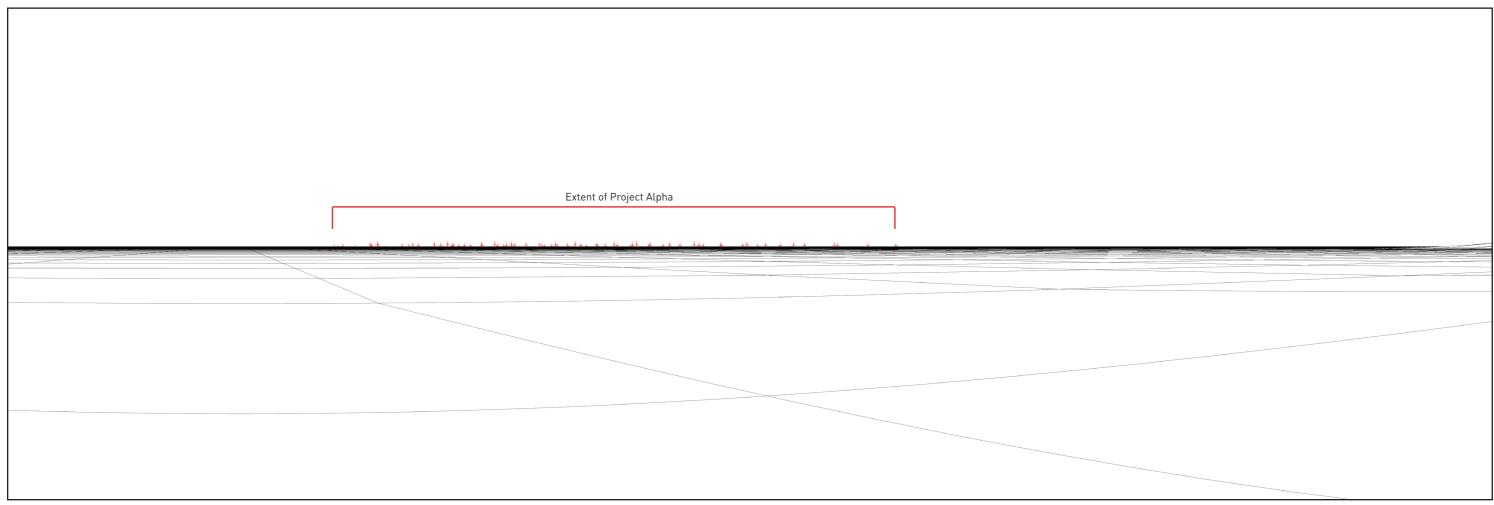


Fig 16.13B

Viewpoint 4-Montrose

Viewpoint Information

Turbine tip height : 209.7m

Turbine hub height : 126.2m

Date & time of photography: 7/9/11 @ 13:40

OS reference : 372684, 757958

Viewpoint height : 1m

Distance to nearest WTG of Project Alpha: 32.709km

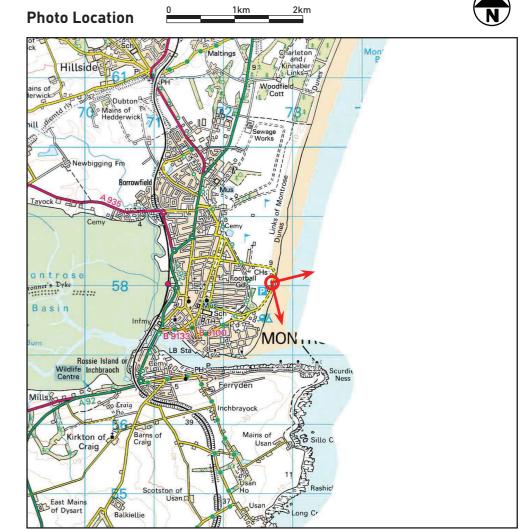
No of hubs theoretically visible: 74

No of tips theoretically visible : 75

View bearing : 108.2 degrees











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Firth of Forth Offshore Wind Farm - Project Alpha Fig 16.14A Viewpoint Information
Viewpoint 5- Date & time of photograph

Braehead of Lunan

Date & time of photography : 7/9/11 @ 13:05 OS reference : 368988, 752598

Viewpoint height : 72m Distance to nearest WTG of Project Alpha : 35.422km No of hubs theoretically visible : 75 No of tips theoretically visible : 75 View bearing : 103 .2 degrees Angle of view : 75 degrees



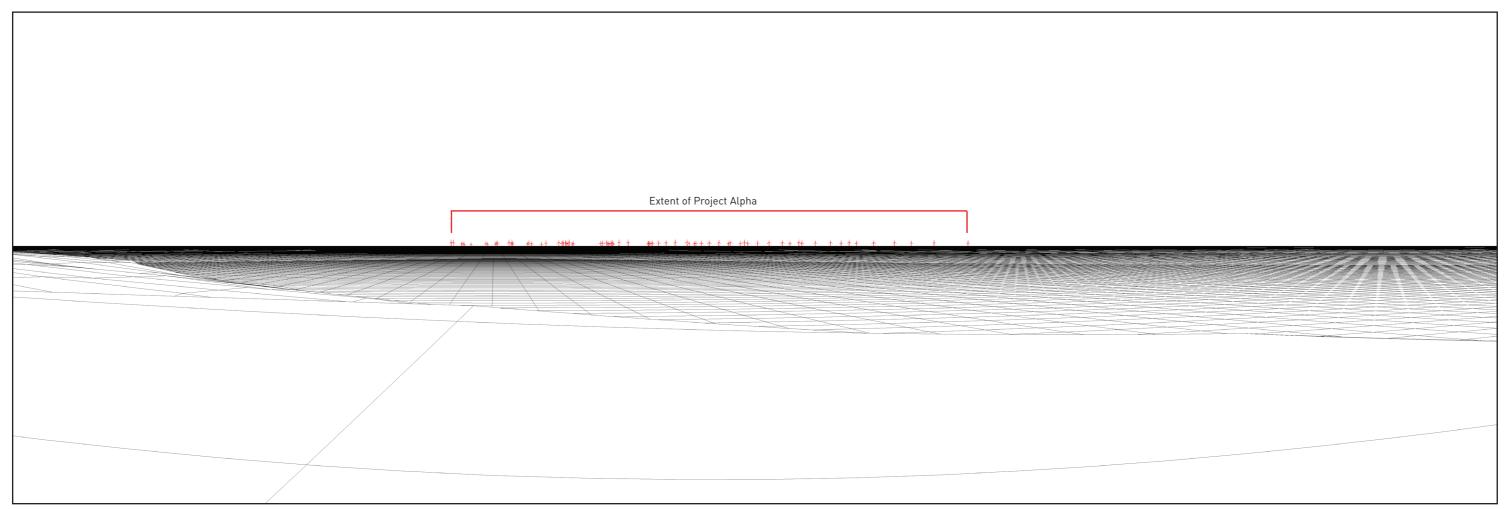


Fig 16.14B

Viewpoint 5-Braehead of Lunan Viewpoint Information

Turbine tip height : 209.7m

Turbine hub height : 126.2m

Date & time of photography : 7/9/11 @ 13:05

OS reference : 368988, 752598

Viewpoint height : 72m

Distance to nearest WTG of Project Alpha: 35.422km

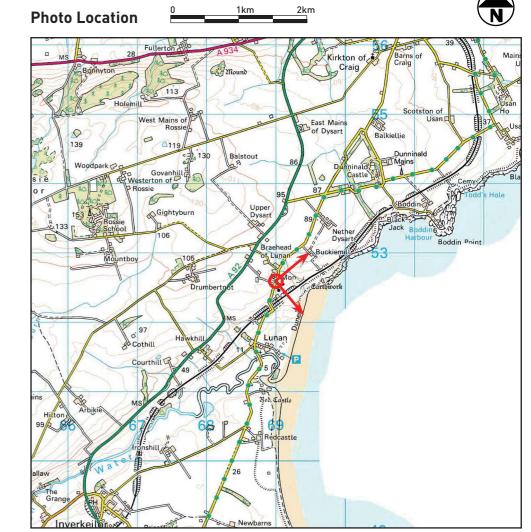
No of hubs theoretically visible : 75

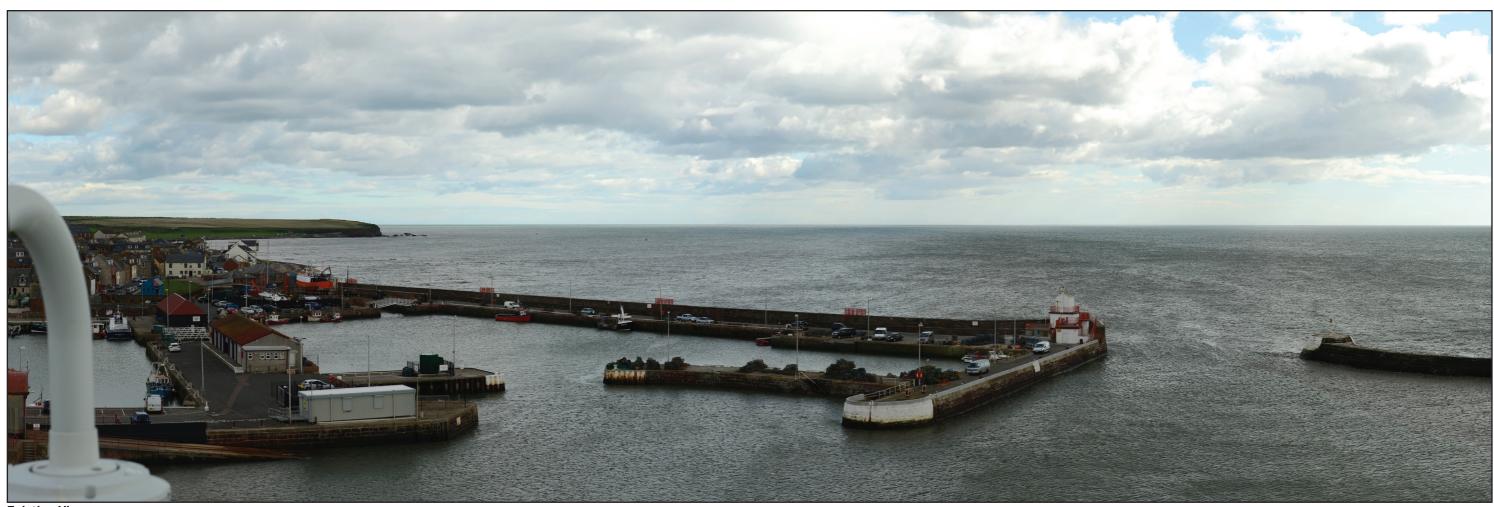
No of tips theoretically visible : 75

View bearing : 103 .2 degrees









Existing View



Photomontage

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S.0340_14-B ALPHA



Firth of Forth Offshore Wind Farm - Project Alpha

Fig 16.15A Viewpoint Information Viewpoint 6-

Arbroath Signal

Tower

Date & time of photography : 7/9/11 @ 12:05 OS reference : 364047, 740440

Viewpoint height : 18m Distance to nearest WTG of Project Alpha : 40.222km

No of hubs theoretically visible : 75 No of tips theoretically visible : 75

View bearing : 89.5 degrees Angle of view : 75 degrees



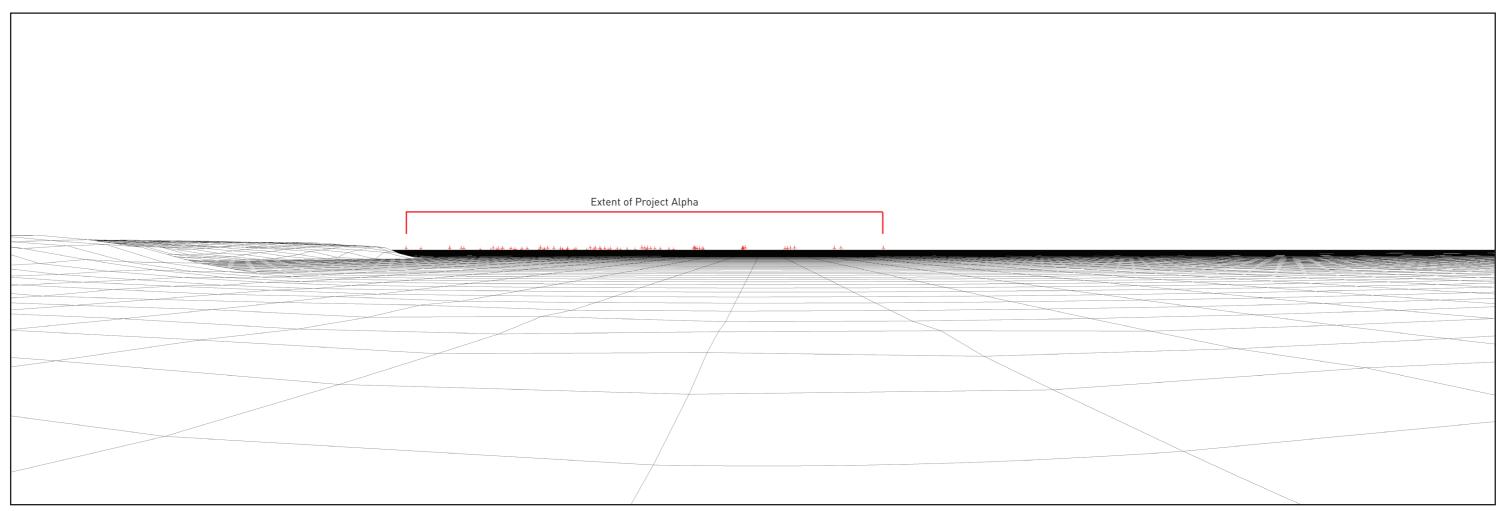


Fig 16.15B

Viewpoint 6-Arbroath Signal Tower Viewpoint Information

Turbine tip height : 209.7m

Turbine hub height : 126.2m

Date & time of photography : 7/9/11 @ 12:05

OS reference : 364047, 740440

Viewpoint height: 18m

Distance to nearest WTG of Project Alpha: 40.222km

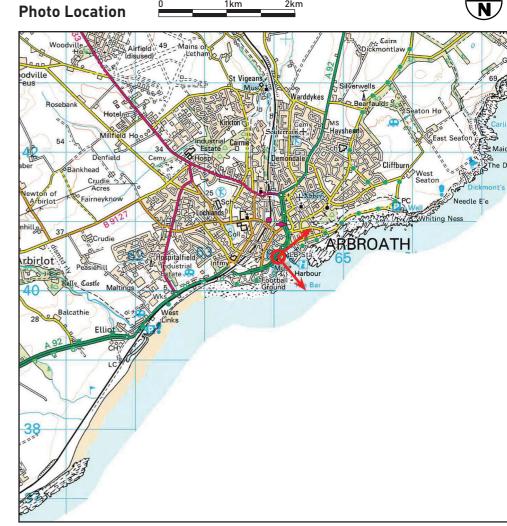
No of hubs theoretically visible: 74

No of tips theoretically visible : 75

View bearing: 89.5 degrees











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S.0340_14-B ALPHA



Firth of Forth Offshore Wind Farm - Project Alpha

Viewpoint Information

Fig 16.16A

Viewpoint 7-Carnoustie Date & time of photography : 7/10/11 @ 16:35 OS reference : 356249, 7340930

Viewpoint height : 1m Distance to nearest WTG of Project Alpha : 48.774km No of hubs theoretically visible : 7 No of tips theoretically visible : 60 View bearing : 74.4 degrees Angle of view : 75 degrees



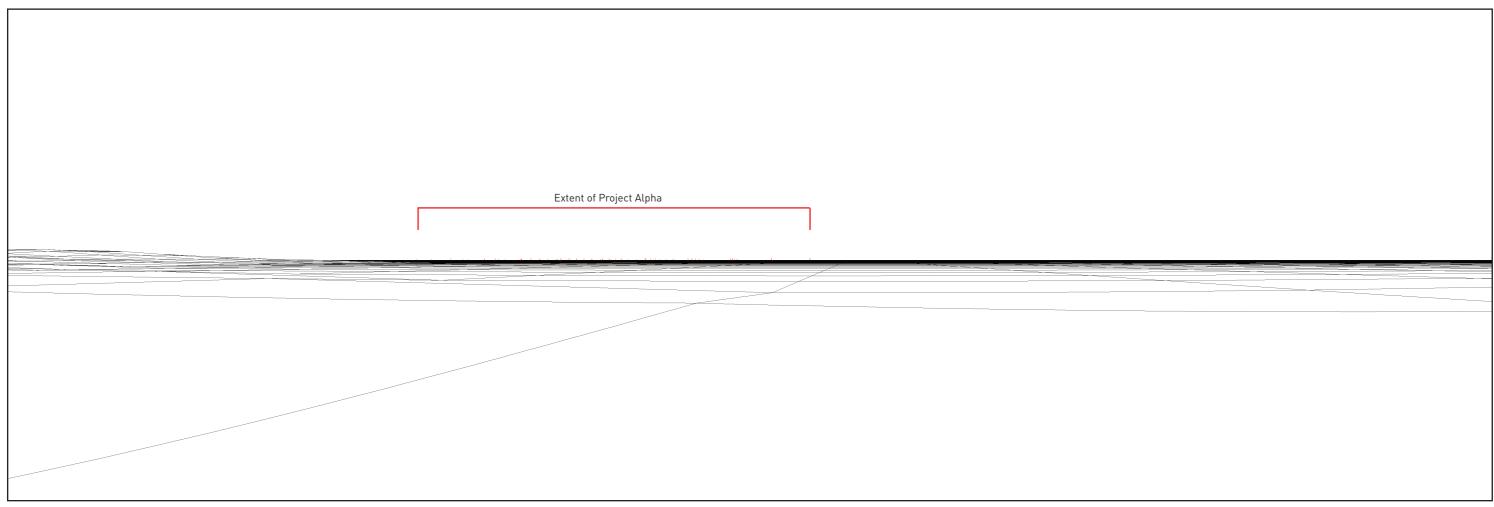


Fig 16.16B

Viewpoint 7-Carnoustie

Viewpoint Information

Turbine tip height : 209.7m

Turbine hub height : 126.2m

Date & time of photography: 7/10/11 @ 16:35

OS reference : 356249, 7340930

Viewpoint height : 1m

Distance to nearest WTG of Project Alpha: 48.774km

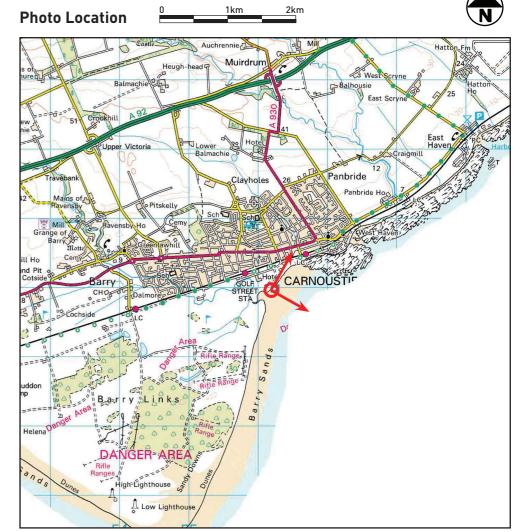
No of hubs theoretically visible : 7

No of tips theoretically visible : 60

View bearing: 74.4 degrees









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Firth of Forth Offshore Wind Farm - Project Alpha

Fig 16.17A Viewpoint 8-Fife Ness, Lochaber Rock

Viewpoint Information

Date & time of photography : 11/10/11 @ 16:00 OS reference : 363844, 709759

Viewpoint height : 0m Distance to nearest WTG of Project Alpha : 50.081km No of hubs theoretically visible : 0 No of tips theoretically visible : 44 View bearing : 53.7 degrees Angle of view : 75 degrees



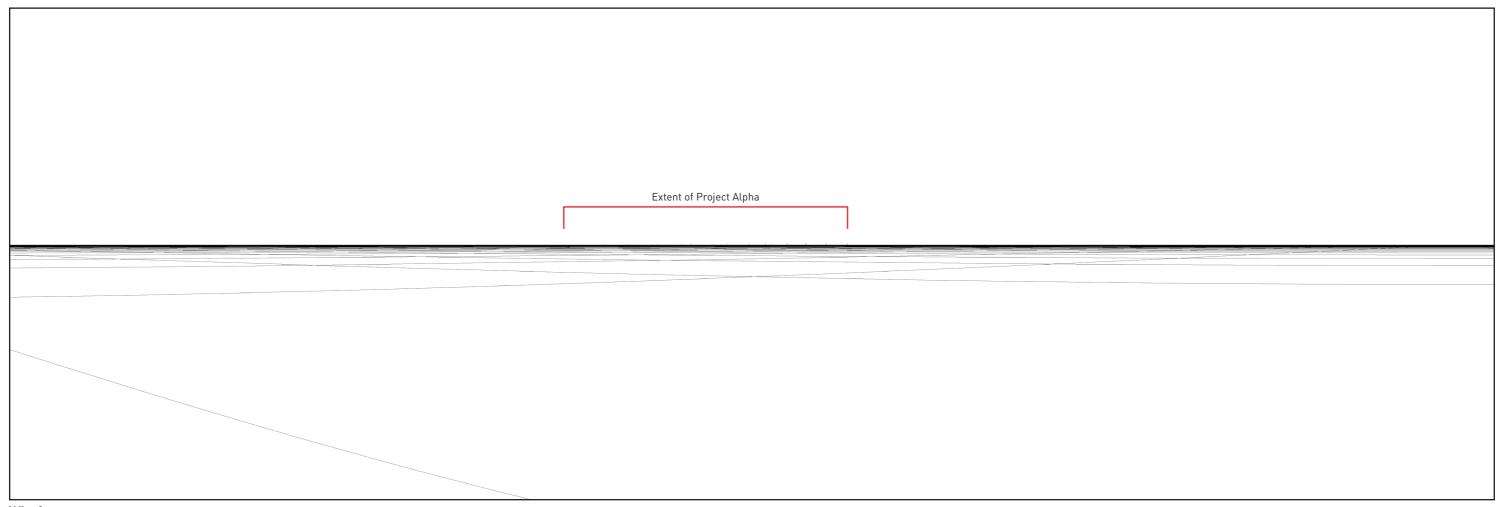


Fig 16.17B

Viewpoint 8-Fife Ness, Lochaber Rock Viewpoint Information

Turbine tip height : 209.7m

Turbine hub height : 126.2m

Date & time of photography : 11/10/11 @ 16:00

OS reference : 363844, 709759

Viewpoint height : 0m

Distance to nearest WTG of Project Alpha: 50.081km

No of hubs theoretically visible : 0

No of tips theoretically visible : 44

View bearing : 53.7 degrees





