



Offshore Wind Power Limited

West of Orkney Offshore EIA Report

Volume 2, Supporting Study 22: Marine Archaeology Onshore Setting Supporting Figures

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Document Control 13/09/2023

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DOCUMENT L-100632-S05-A-REPT-030



Aberdeen

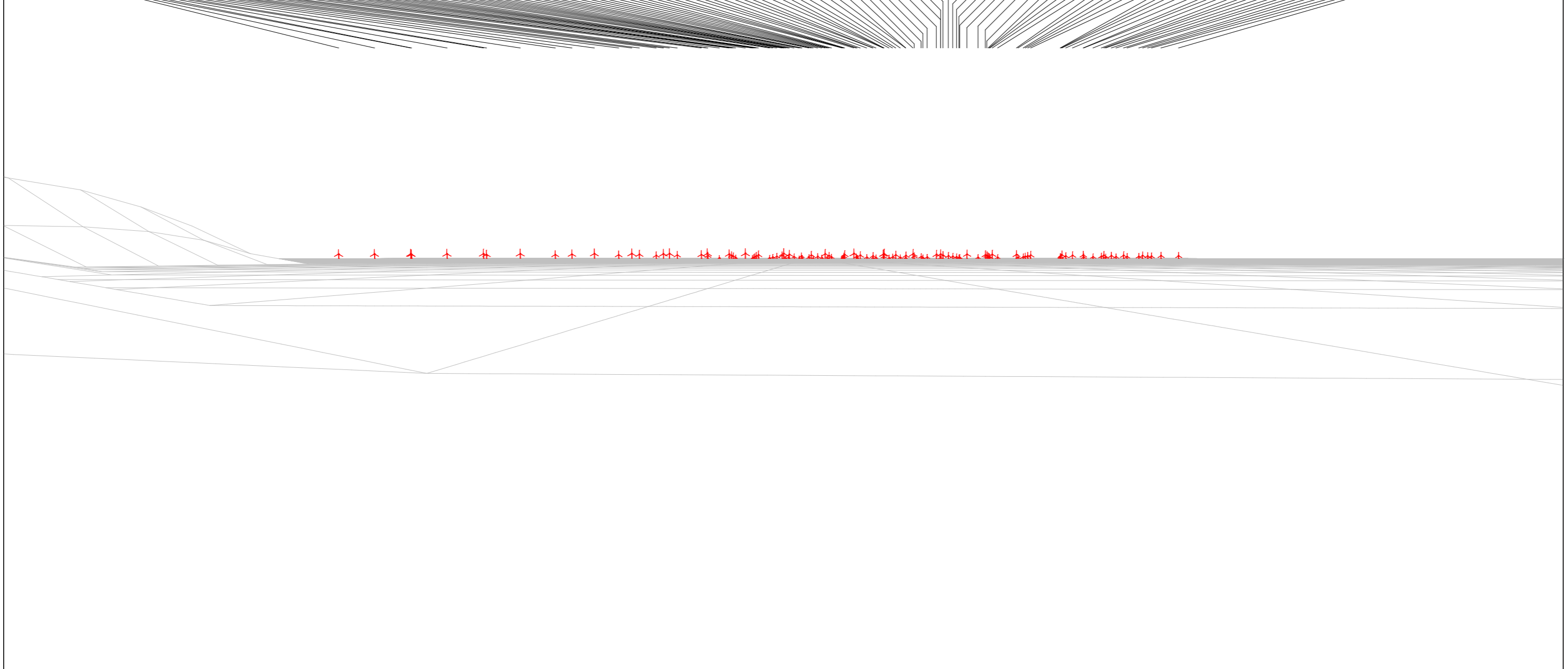
Xodus House
50 Huntly Street . Aberdeen
AB10 1RS . UK

T +44 (0)1224 628300

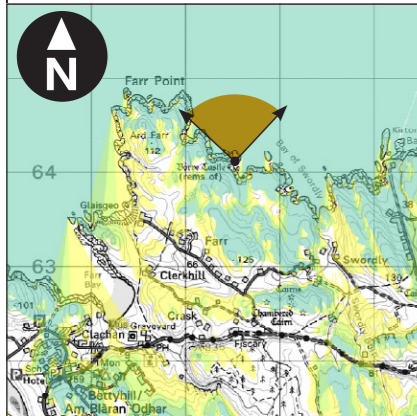
<Redacted>

www.xodusgroup.com

1 2 3 95 4 5 94 6 93 107 7 92 8 106 82 117 9 91 105 10 81 51 116 90 73 54 11 50 57 66 80 104 53 61 72 89 12 49 48 56 115 65 47 79 52 60 103 46 71 55 125 45 88 64 44 59 78 114 13 70 43 102 63 42 87 58 124 77 14 41 69 113 62 40 101 15 86 76 39 68 123 16 38 112 100 85 75 37 67 17 36 122 111 99 84 74 18 35 19 34 83 98 110 121 97 33 20 109 120 21 32 96 108 22 31 119 30 23 29 28 24 118 27 25 26



View flat at a comfortable arm's length



This figure has been based on the following parameters:

- Turbine layout file: LORKNEY001.WFL
- Hub height: 194.52m
- Rotor diameter: 330m
- Height to blade tip: 359.52m

OS reference: E272 518, N964 114
 Eye level: 5.5m AOD
 Direction of view: 358°
 Nearest turbine: 26,747m

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522mm
 Paper size: 420mm x 297mm (A3)
 Correct printed image size: 390 x 222mm

Client



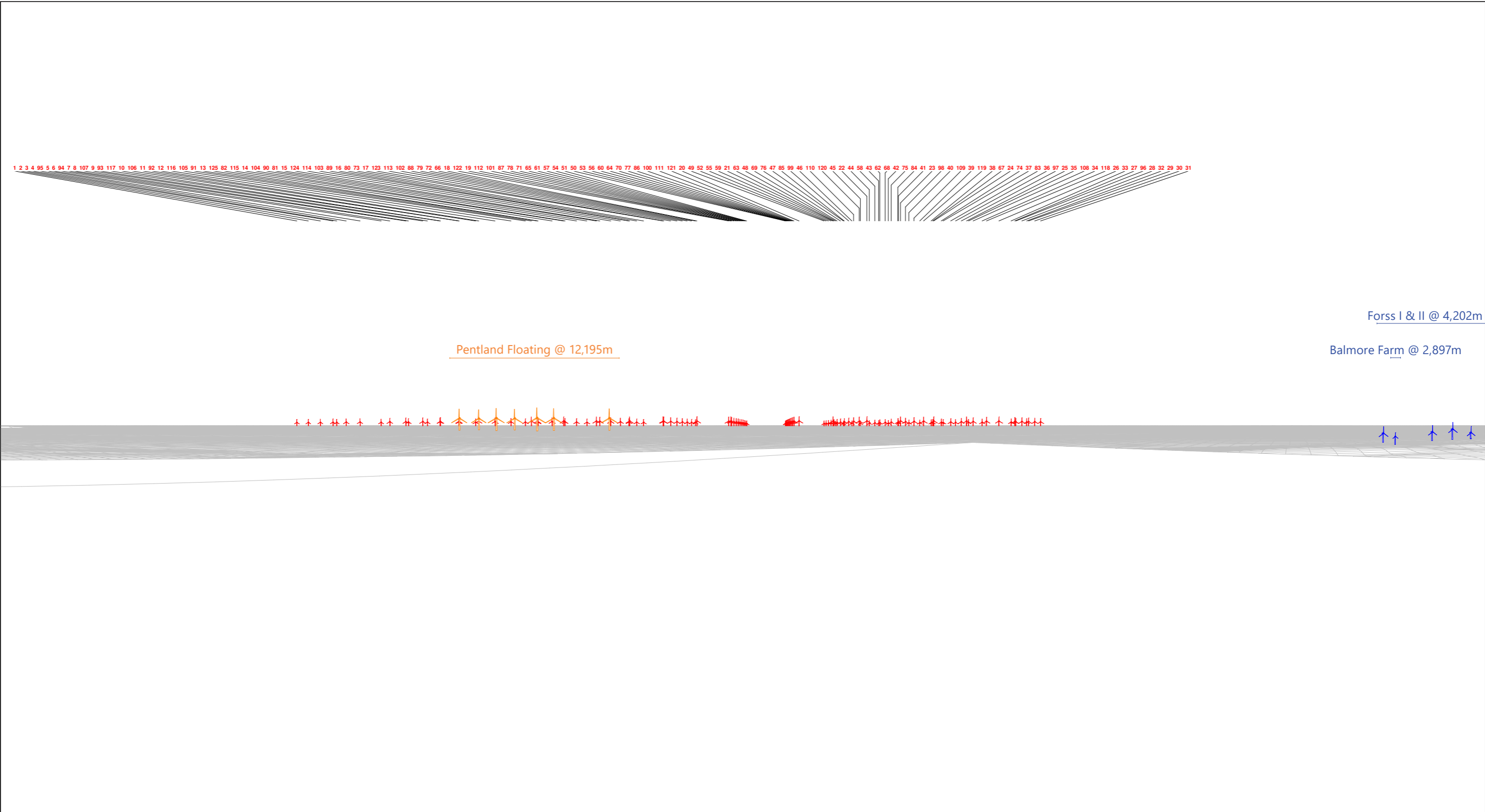
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EIA Report

Figure 1
Cultural Heritage Wirelines
Viewpoint A
Borve Castle

August 2023



1 2 3 4 95 5 6 94 7 8 107 9 93 117 10 106 11 92 12 116 105 91 13 125 82 115 14 104 90 81 15 124 114 103 89 16 80 73 17 123 113 102 88 79 72 66 18 122 19 112 101 87 78 71 65 61 57 54 51 50 53 56 60 64 70 77 86 100 111 121 20 49 52 55 59 21 63 48 69 76 47 85 99 46 110 120 45 22 44 58 43 62 68 42 75 84 41 23 98 40 109 39 119 38 67 24 74 37 83 36 97 25 35 108 34 118 26 33 27 96 28 32 29 30 31

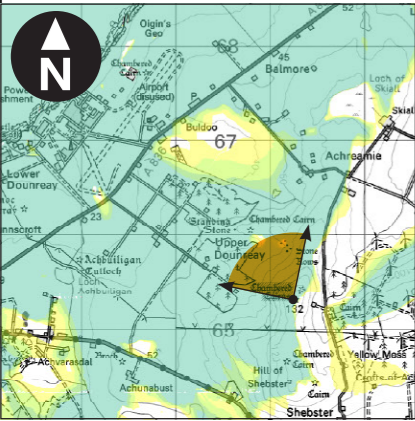


Forss I & II @ 4,202m

Pentland Floating @ 12,195m

Baltimore Farm @ 2,897m

View flat at a comfortable arm's length



This figure has been based on the following parameters:

- Turbine layout file: LORKNEY001.WFL
- Hub height: 194.52m
- Rotor diameter: 330m
- Height to blade tip: 359.52m

OS reference: E301 263, N965 313
 Eye level: 127.5m AOD
 Direction of view: 327°
 Nearest turbine: 36,648m

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522mm
 Paper size: 420mm x 297mm (A3)
 Correct printed image size: 390 x 222mm

Client



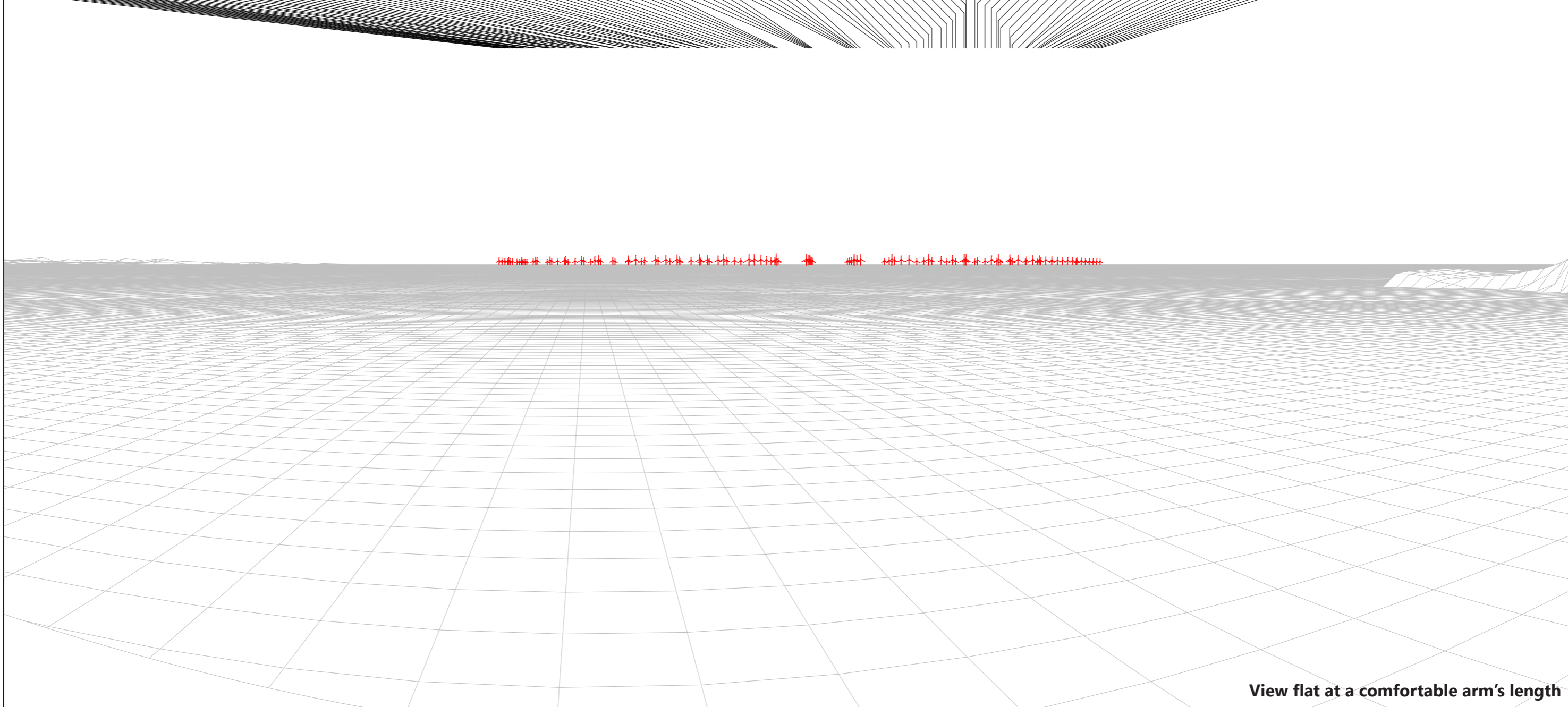
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EIA Report

Figure 2
Cultural Heritage Wirelines
Viewpoint B
Cnoc Freiceadain long cairns

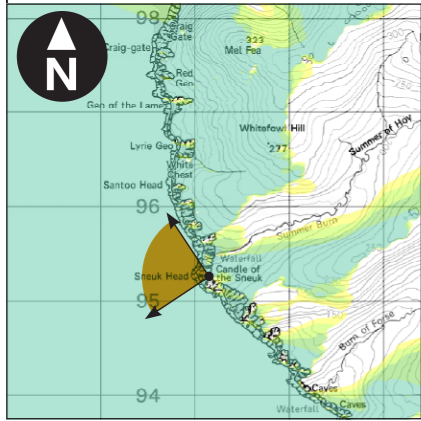
August 2023



12 11 10 9 13 8 7 6 5 4 14 3 2 1 117 15 125 95 16 107 116 124 17 94 106 18 115 93 123 19 105 114 92 104 122 20 91 113 21 103 121 90 22 112 82 102 23 89 120 81 111 24 101 88 80 25 119 110 100 87 79 26 73 118 109 99 86 78 72 66 71 77 85 27 98 108 65 70 28 76 84 97 61 64 29 69 75 57 83 60 30 63 96 54 68 56 74 59 31 51 32 62 53 33 55 67 34 50 35 58 36 52 37 38 39 40 41 49 42 43 44 45 46 47 48



View flat at a comfortable arm's length



This figure has been based on the following parameters:

Turbine layout file: LORKNEY001.WFL

- Hub height: 194.52m
- Rotor diameter: 330m
- Height to blade tip: 359.52m

OS reference:	E321 150, N995 260
Eye level:	150.5m AOD
Direction of view:	281°
Nearest turbine:	31,982m

Horizontal field of view:	90° (cylindrical projection)
Principal distance:	522mm
Paper size:	420mm x 297mm (A3)
Correct printed image size:	390 x 222mm

Client



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Figure 3
Cultural Heritage Wirelines
Viewpoint C
Sneuk Head

August 2023



H:\data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design_Technical\InDesign\2023-08 Extra for Xodus\Figure 1-9 Cultural Heritage Wirelines 853781-FG-SA-00049_R2.indd Originator: wilsc03

13 14 12 15 16 11 17 10 18 125 19 9 124 8 20 7 21 123 117 22 6 122 23 116 5 24 4 121 115 25 3 107 2 114 26 120 1 106 113 95 119 105 94 112 104 93 118 111 103 92 91 110 102 27 90 101 109 89 100 82 108 88 28 81 99 87 80 98 29 86 79 97 85 78 73 30 72 77 84 96 71 31 76 83 66 70 32 75 65 33 69 74 64 68 61 34 63 35 60 67 57 36 62 59 37 56 54 38 58 39 55 53 40 51 41 42 52 50 43 44 45 49 46 47 48

Strathy Wood @ 67,016m

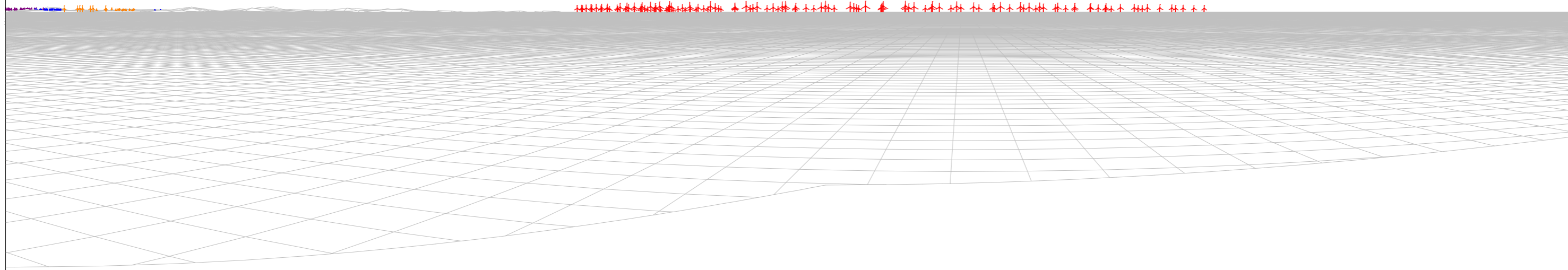
Armadale @ 64,470m

Strathy South @ 71,160m

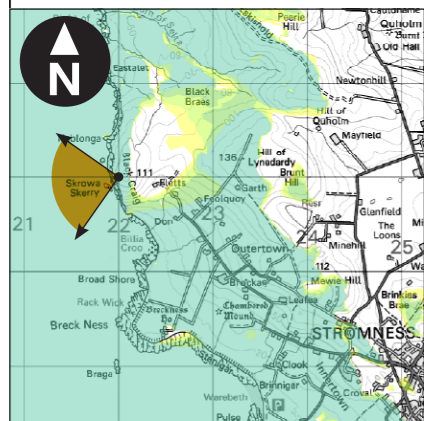
Pentland Floating @ 46,356m

Strathy North @ 65,883m

Bettyhill @ 69,575m



View flat at a comfortable arm's length



This figure has been based on the following parameters:

- Turbine layout file: LORKNEY001.WFL
- Hub height: 194.52m
- Rotor diameter: 330m
- Height to blade tip: 359.52m

OS reference: E322 001, N1011 007
 Eye level: 107.5m AOD
 Direction of view: 260°
 Nearest turbine: 32,742m

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522mm
 Paper size: 420mm x 297mm (A3)
 Correct printed image size: 390 x 222mm

Client



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Figure 4
Cultural Heritage Wirelines
Viewpoint D
Black Craig -
West side of Coastguard lookout post

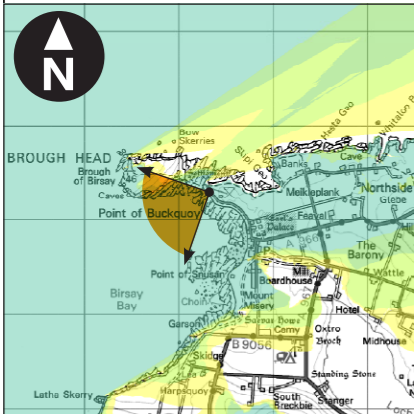
August 2023



26 25 24 23 22 21 20 19 18 17 16 15 14 13 118 119 120 12 121 122 27 123 124 11 125 10 28 9 8 108 109 110 111 112 113 114 115 116 117 7 29 6 5 30 107 106 105 4 104 103 102 101 100 99 3 98 97 96 2 31 1 95 94 93 92 91 90 89 88 32 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 34 72 71 70 35 69 68 66 36 67 65 64 37 63 62 38 61 60 39 59 40 58 57 56 41 55 42 54 53 43 52 44 51 45 50 46 49 47 48

Pentland Floating @ 61,873m

View flat at a comfortable arm's length



This figure has been based on the following parameters:

- Turbine layout file: LORKNEY001.WFL
- Hub height: 194.52m
- Rotor diameter: 330m
- Height to blade tip: 359.52m

OS reference: E324 329, N1028 297
 Eye level: 6.5m AOD
 Direction of view: 244°
 Nearest turbine: 39,905m

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522mm
 Paper size: 420mm x 297mm (A3)
 Correct printed image size: 390 x 222mm

Client

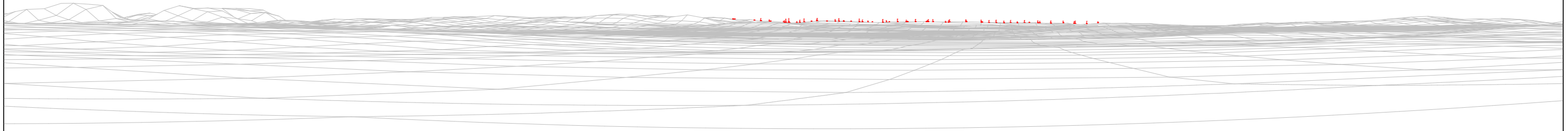
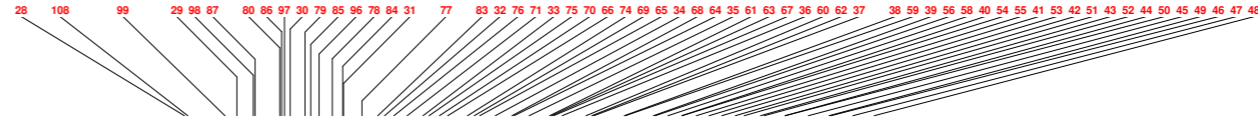


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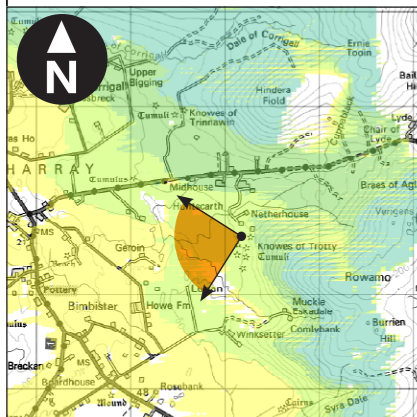
Figure 5
Cultural Heritage Wirelines
Viewpoint E
Brough of Birsay Car Park

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View flat at a comfortable arm's length



This figure has been based on the following parameters:

- Turbine layout file: LORKNEY001.WFL
- Hub height: 194.52m
- Rotor diameter: 330m
- Height to blade tip: 359.52m

OS reference: E334 176, N1017 620
 Eye level: 55.5m AOD
 Direction of view: 257°
 Nearest turbine: 45,655m

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522mm
 Paper size: 420mm x 297mm (A3)
 Correct printed image size: 390 x 222mm

Client

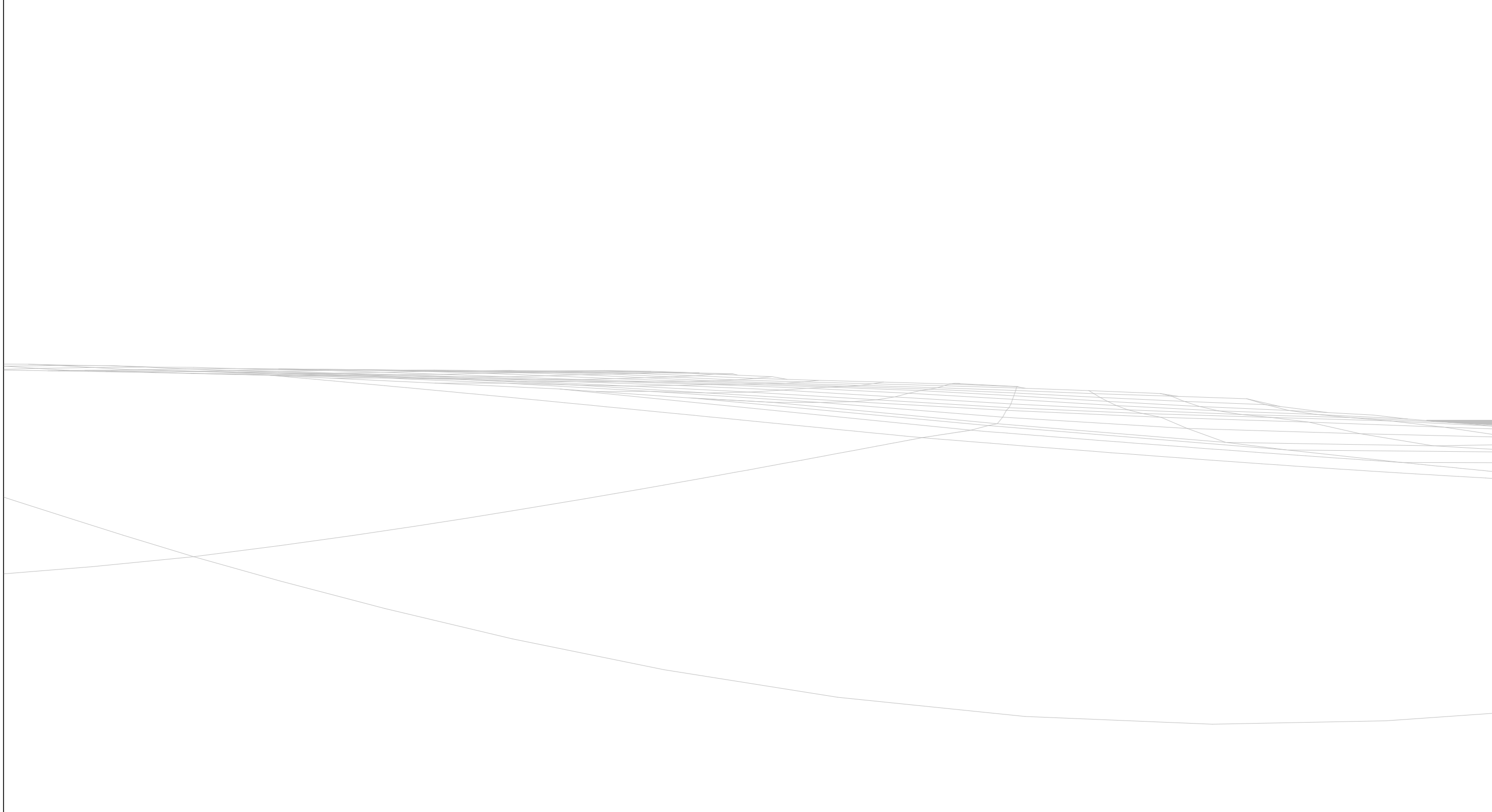


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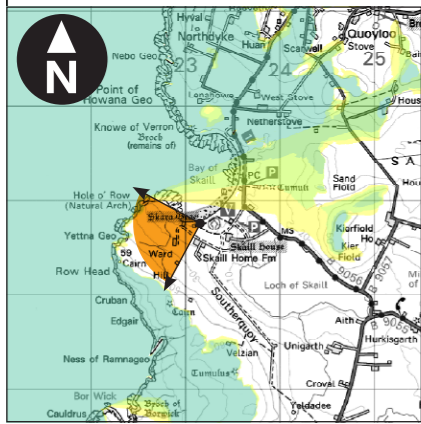
Figure 6
Cultural Heritage Wirelines
Viewpoint F
Knowes of Trotty /
WHS West Mainland Sensitive Area

August 2023





View flat at a comfortable arm's length



This figure has been based on the following parameters:

- Turbine layout file: LORKNEY001.WFL
- Hub height: 194.52m
- Rotor diameter: 330m
- Height to blade tip: 359.52m

OS reference:	E323 155, N1018 756	Horizontal field of view:	90° (cylindrical projection)
Eye level:	6.5m AOD	Principal distance:	522mm
Direction of view:	253°	Paper size:	420mm x 297mm (A3)
Nearest turbine:	35,178m	Correct printed image size:	390 x 222mm

Client

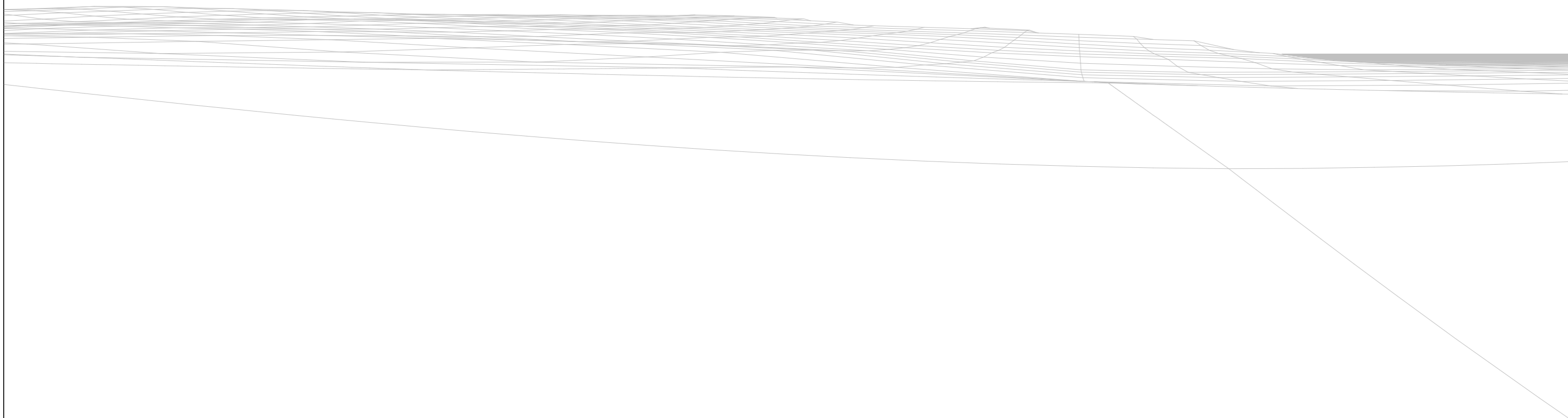


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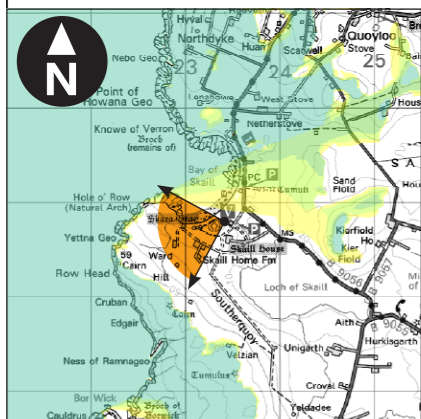
Figure 7
Cultural Heritage Wirelines
Viewpoint G
Skara Brae -
At the east side of the settlement

August 2023





View flat at a comfortable arm's length



This figure has been based on the following parameters:
 Turbine layout file: LORKNEY001.WFL
 • Hub height: 194.52m
 • Rotor diameter: 330m
 • Height to blade tip: 359.52m

OS reference:	E323 413, N1018 798	Horizontal field of view:	90° (cylindrical projection)
Eye level:	9.5m AOD	Principal distance:	522mm
Direction of view:	253°	Paper size:	420mm x 297mm (A3)
Nearest turbine:	35,437m	Correct printed image size:	390 x 222mm

Client



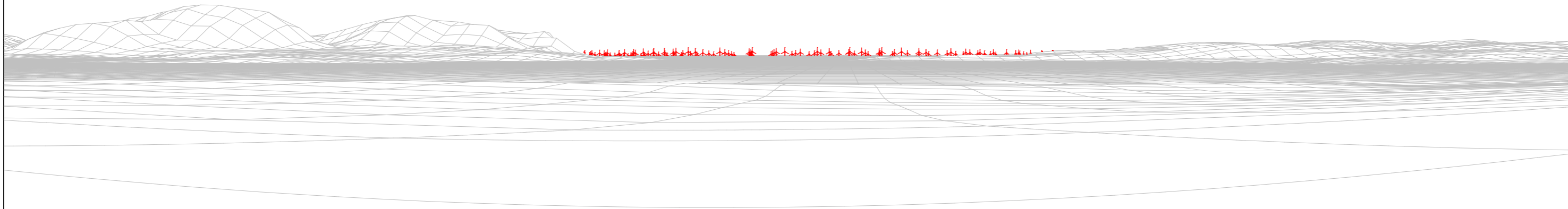
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Figure 8
Cultural Heritage Wirelines
Viewpoint H
Skara Brae -
At gate on north side of visitor centre

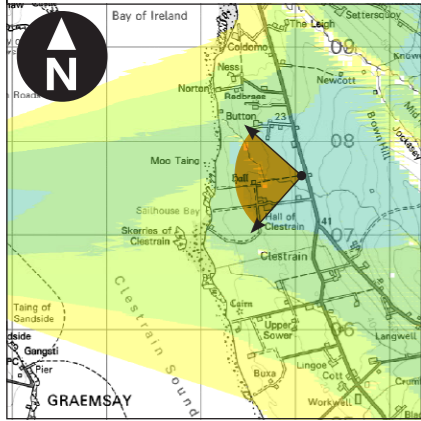
August 2023



9 16 6 125 17 7 18 124 6 117 19 5 4 116 123 3 2 20 1 107 115 21 122 95 22 106 114 121 23 94 105 24 113 93 120 104 25 92 112 26 103 119 91 111 102 90 118 110 101 89 82 109 100 88 81 27 80 87 99 108 28 79 86 98 73 78 29 85 97 72 77 84 30 71 96 76 66 83 70 31 65 75 32 69 64 33 74 61 68 63 34 60 57 35 67 62 36 59 56 37 54 38 58 39 55 53 51 40 41 42



View flat at a comfortable arm's length



This figure has been based on the following parameters:
 Turbine layout file: LORKNEY001.WFL
 • Hub height: 194.52m
 • Rotor diameter: 330m
 • Height to blade tip: 359.52m

OS reference:	E330 068, N1007 633	Horizontal field of view:	90° (cylindrical projection)
Eye level:	37.5m AOD	Principal distance:	522mm
Direction of view:	267°	Paper size:	420mm x 297mm (A3)
Nearest turbine:	40,606m	Correct printed image size:	390 x 222mm

Client



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Figure 9
Cultural Heritage Wirelines
Viewpoint 1
Hall of Clestrain - top of access track

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