MORAY WEST
OFFSHORE WINDFARM

Offshore Wind Farm and Offshore Transmission Infrastructure (OfTI) Application Addendum

Moray Offshore Windfarm (West) Limited

Volume 3: SLVIA Figures and Wirelines

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MORAY WEST
OFFSHORE WINDFARM

KEY

- Alternative Moray West Site
- Current Moray West Site
- Proposed Variation Area
- Proposed Mitigation Area
- Offshore Export Cable Corridor
- 50km Study Area Boundary
- 10km Distance Radii
- Local Authority Boundary
- Model 3 (Mitigated) Layout
- BOWL Turbines (Under Construction)
- Moray East (Consented, DSLP Layout)
- Viewpoint Locations*

Zone of Theoretical Visibility
No. of Turbines (265m) Visible

1 - 12	37 - 48
13 - 24	49 - 60
25 - 36	61 - 72

Blade tip height:	265m
Observer height:	2m
DTM:	OS T5
Surface features:	Excluded
Earth curvature:	Included

Note:
* Viewpoint locations listed in Figure 11.1b

Horizontal Scale: 1:500,000 A3 Chart

0 10,000 20,000 Meters

N

Geodetic Parameters:	WGS84 UTM Zone 30N
Produced: JM Reviewed: LT Approved: JG	
Date: 22/11/2018	Revision: C
REF: 8460005-DBDD11C-OPN-MAP-000001	

Figure 11.1a Blade Tip ZTV with Viewpoints (Model 3)

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MORAY WEST
OFFSHORE WINDFARM

KEY

- Alternative Moray West Site
- Current Moray West Site
- Proposed Variation Area
- Proposed Mitigation Area
- Offshore Export Cable Corridor
- 50km Study Area Boundary
- 10km Distance Radii
- Local Authority Boundary
- Model 3 (Mitigated) Layout

Cumulative Wind Farms

- Operational / Under Construction
- Consented
- Appeal / Application
- Scoping

Designations

- National Scenic Areas
- Wild Land Areas
- Gardens and Designed Landscapes
- Special Landscape Areas
- Moray Area of Great Landscape Value

Viewpoint Locations

3	Wick (path south of South View)
4	Sarclet (Sarclet Haven Info Board)
7	Lybster (end of Main Street)
9a	Dunbeath (nr Heritage Centre)
12	Navidale
13a	Brora (picnic area off Salt Street)
16	Lossiemouth Harbour
19	Portnockie (Bow Fiddle Rock Info Point)
21	Findlater Castle
22	Sandend
23	Portsoy

Zone of Theoretical Visibility No. of Turbines (265m) Visible

1 - 12	37 - 48
13 - 24	49 - 60
25 - 36	61 - 72

Blade tip height:	265m
Observer height:	2m
DTM:	OS T5
Surface features:	Excluded
Earth curvature:	Included

Horizontal Scale: 1:150,000
0 2,500 5,000 Metres A0 Chart

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: JM
Reviewed: LT
Approved: JG

Date: 22/11/2018 | Revision: C
REF. 8460005-DBDD11C-OPN-MAP-000002

Figure 11.1b Blade Tip ZTV

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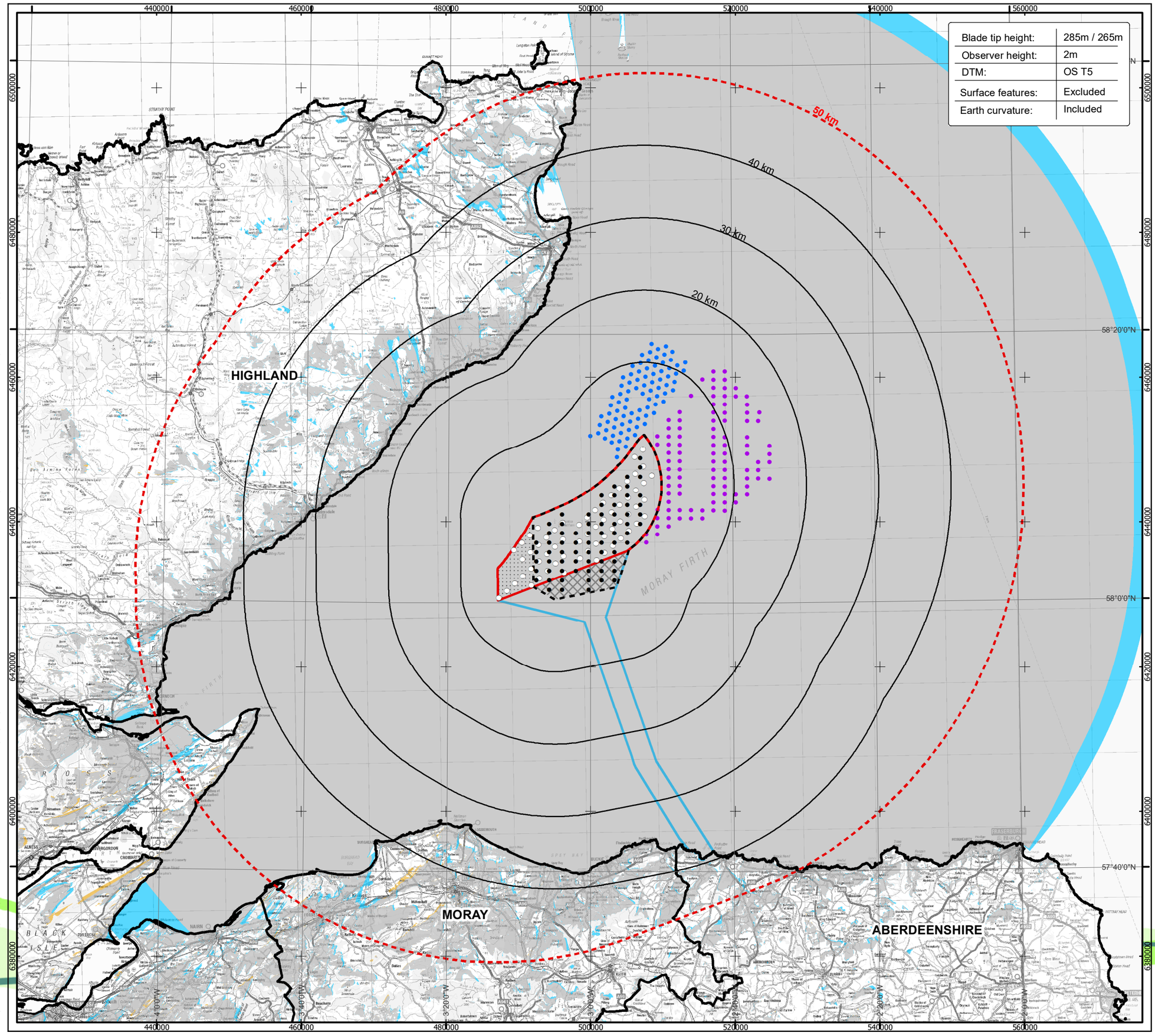

MORAY WEST
OFFSHORE WINDFARM

KEY

- Alternative Moray West Site
- Current Moray West Site
- Proposed Variation Area
- Proposed Mitigation Area
- Offshore Export Cable Corridor
- 50km Study Area Boundary
- 10km Distance Radii
- Local Authority Boundary
- SLVIA (WCS) Layout 4f (62 Turbines, 285m to tip)
- Model 3 (Mitigated) Layout (72 Turbines, 265m to tip)
- BOWL Turbines (Under Construction)
- Moray East (Consented, DSLP Layout)

Zone of Theoretical Visibility: Comparison of turbine visibility between Model 3 (Mitigated) Layout and SLVIA (WCS) Layout 4f

- Areas where only SLVIA (WCS) Layout 4f turbines would be visible
- Areas where only Model 3 (Mitigated) Layout turbines would be visible
- Areas where turbine visibility is unchanged between layouts

Horizontal Scale: 1:500,000 A3 Chart

0 10,000 20,000 Meters

N

Geodetic Parameters:	WGS84 UTM Zone 30N
Produced: JM Reviewed: LT Approved: JG	
Date: 22/11/2018	Revision: C
REF: 8460005-DBDD11C-OPN-MAP-000003	

Figure 11.2
Comparative ZTV - SLVIA 4f and Model 3 Layouts

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MORAY WEST
OFFSHORE WINDFARM

KEY

- Alternative Moray West Site
- Current Moray West Site
- Proposed Variation Area
- Proposed Mitigation Area
- Offshore Export Cable Corridor
- 50km Study Area Boundary
- 10km Distance Radii
- Local Authority Boundary
- Model 3 (Mitigated) Layout
- BOWL Turbines (Under Construction)
- Moray East (Consented, DSLP Layout)
- Viewpoint Locations*

Zone of Theoretical Visibility No. of Turbines (150m) Visible

- 1 - 12
- 13 - 24
- 25 - 36
- 37 - 48
- 49 - 60
- 61 - 72

Hub height:	150m
Observer height:	2m
DTM:	OS T5
Surface features:	Excluded
Earth curvature:	Included

Note:
* Viewpoint locations listed in Figure 11.1b

Horizontal Scale: 1:500,000 A3 Chart

0 10,000 20,000 Meters

N

Geodetic Parameters:	WGS84 UTM Zone 30N
Produced: JM Reviewed: LT Approved: JG	
Date: 22/11/2018	Revision: C
REF: 8460005-DBDD11C-OPN-MAP-000004	

Figure 11.3 Hub Height ZTV with Viewpoints (Model 3)

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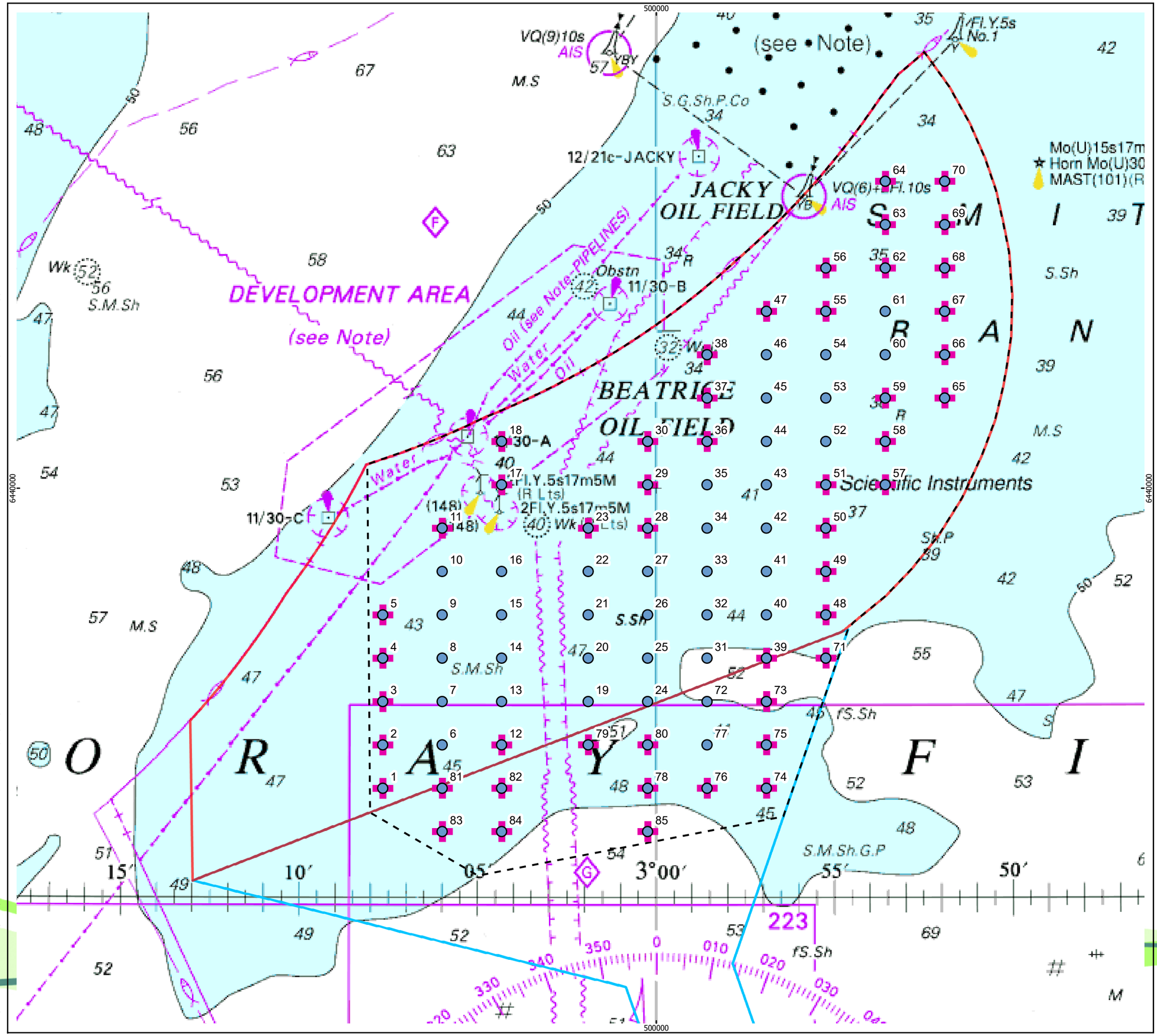

MORAY WEST
OFFSHORE WINDFARM

KEY

- 85 WTG 1640x1197m
- Medium Intensity Lighting
- Alternative Moray West Site
- Current Moray West Site
- Offshore Export Cable Corridor

Horizontal Scale: 1:100,000 A3 Chart

0 2,000 4,000 Meters

N

Geodetic Parameters:	WGS84 UTM Zone 30N
Produced: MG Reviewed: LT Approved: JG	
Date: 22/11/2018	Revision: C
REF: 8460005-DBDC11C-MWW-MAP-000005	

Figure 11.4: Model 2
Medium Intensity Lighting

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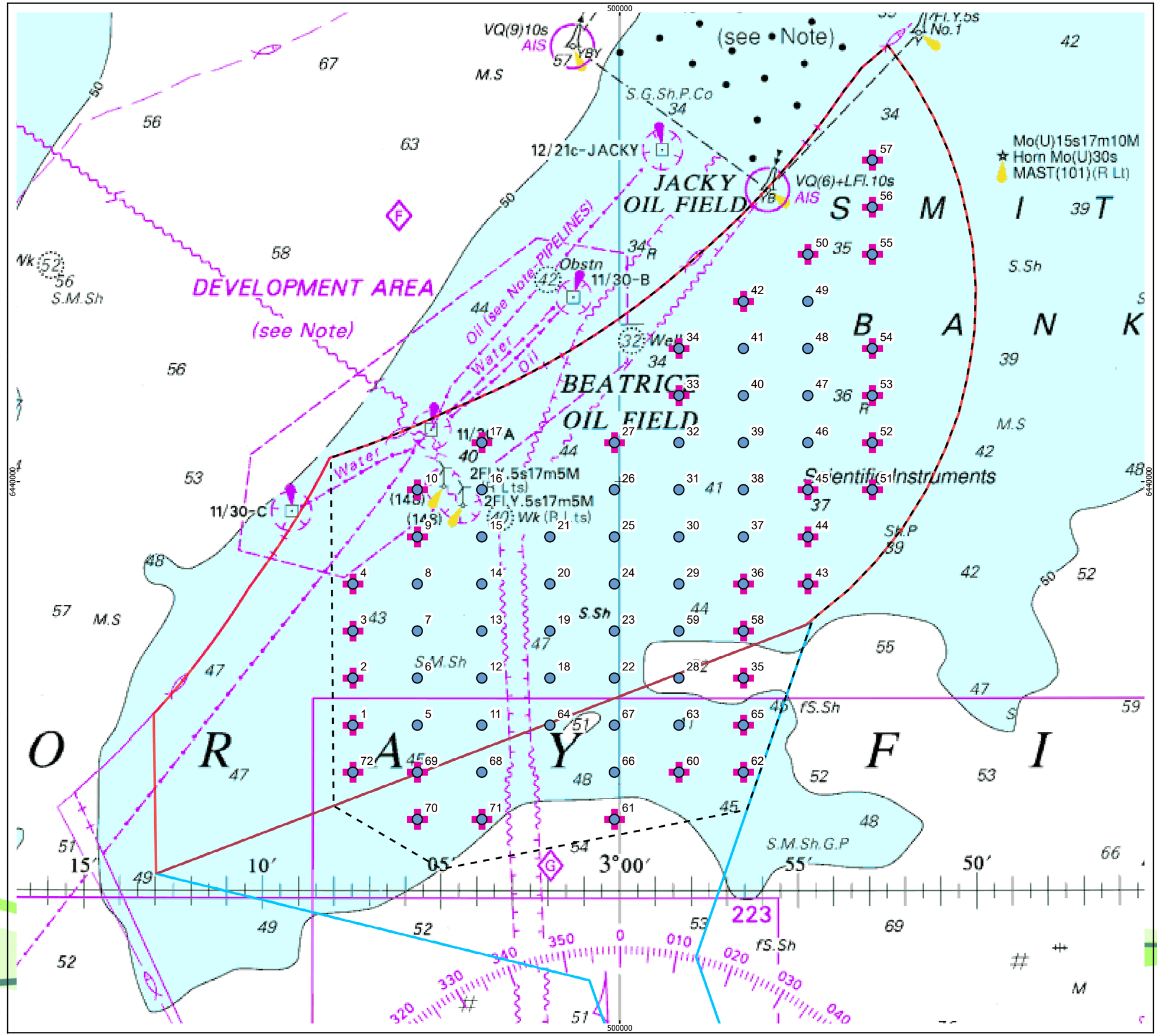

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MORAY WEST
OFFSHORE WINDFARM

KEY

- 72 WTG 1780x1300m
- Medium Intensity Lighting
- Alternative Moray West Site
- Current Moray West Site
- Offshore Export Cable Corridor

Horizontal Scale: 1:100,000 A3 Chart

0 2,000 4,000 Meters

N

Geodetic Parameters:	WGS84 UTM Zone 30N
Produced: MG Reviewed: LT Approved: JG	
Date: 22/11/2018	Revision: C
REF: 8460005-DBDC11C-MWW-MAP-000006	

Figure 11.5: Model 3
Medium Intensity Lighting

Moray Offshore
Windfarm (West) Ltd

04 / 06 / 2018 | 180904_VIDA1 180904_180909_WIDA_LVIA_SNH_THC_COMB_REVG

OS reference	**337892 E 950970 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**12 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**170°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**32.28 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**16/11/2017 09:09**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.11b

Viewpoint 3 : Wick (path south of South View) Panorama with Cumulative Wireline (view 1 of 2)

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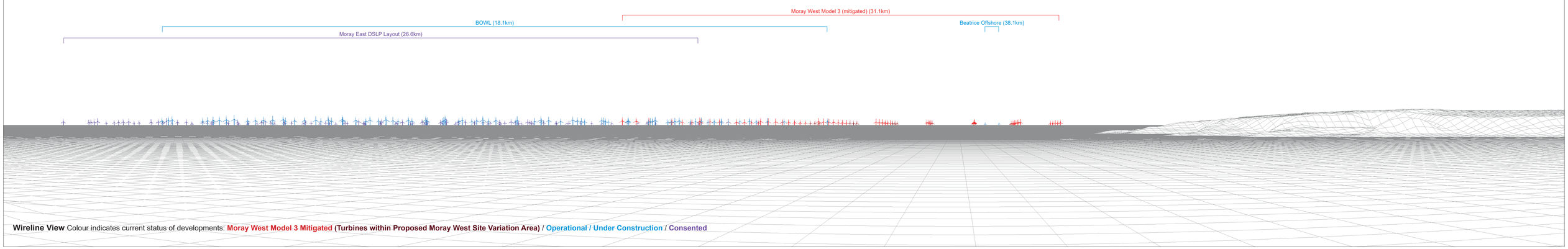

20 NOVEMBER 2018 10:41 AM | 180969_WDA1 180119_180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**337892 E 950970 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**12 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**170°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**31.06 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**16/11/2017 09:09**

Moray West EIA Addendum.

Figure 11.6a

Viewpoint 3 : Wick (path south of South View) Panorama with Cumulative Wireline - (Model 3)

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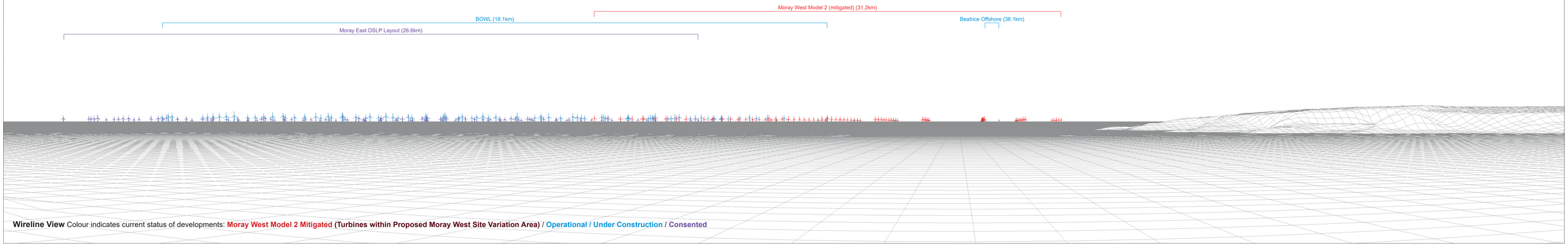

20 NOVEMBER 2018 10:41 AM | 180969_WDA1 180119_180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**337892 E 950970 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**12 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**170°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**31.22 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**16/11/2017 09:09**

Moray West EIA Addendum.

Figure 11.6b

Viewpoint 3 : Wick (path south of South View) Panorama with Cumulative Wireline - (Model 2)

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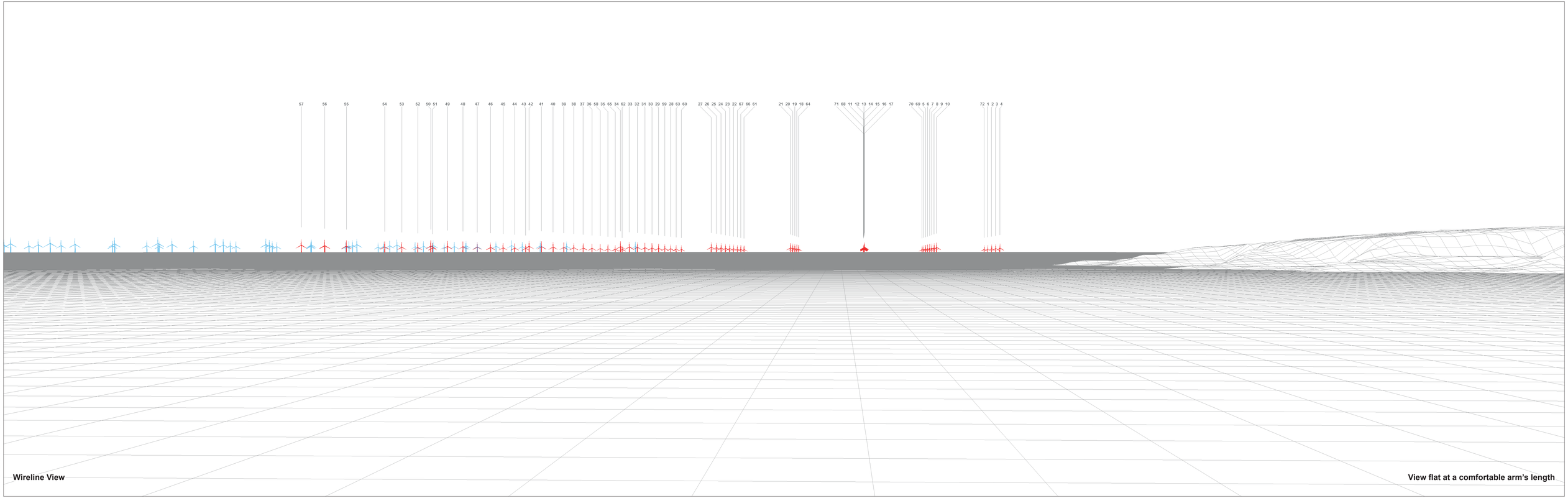

20 NOVEMBER 2018 10:41 AM | 180999_WDA | 181119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**337892 E 950970 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**12 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**178°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**31.06 km**	Correct printed image size	**820 x 260 mm**		

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Figure 11.6c

Viewpoint 3 : Wick (path south of South View) Wireline - (Model 3)

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OS reference	**334992 E 943334 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**39 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**154°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**26.55 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**16/11/2017 13:50**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.12b

Viewpoint 4 : Sarclet (Sarclet Haven Info Board) Panorama with Cumulative Wireline (view 1 of 2)

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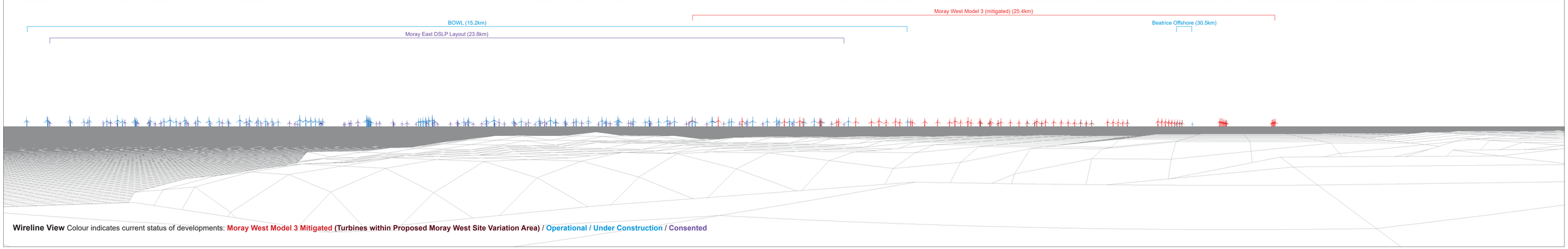

20 NOVEMBER 2018 10:41 AM | 160969_WDA1 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**334992 E 943334 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**39 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**154°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**25.37 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**16/11/2017 13:50**

Moray West EIA Addendum.

Figure 11.7a

Viewpoint 4 : Sarclet (Sarclet Haven Info Board) Panorama with Cumulative Wireline - (Model 3)

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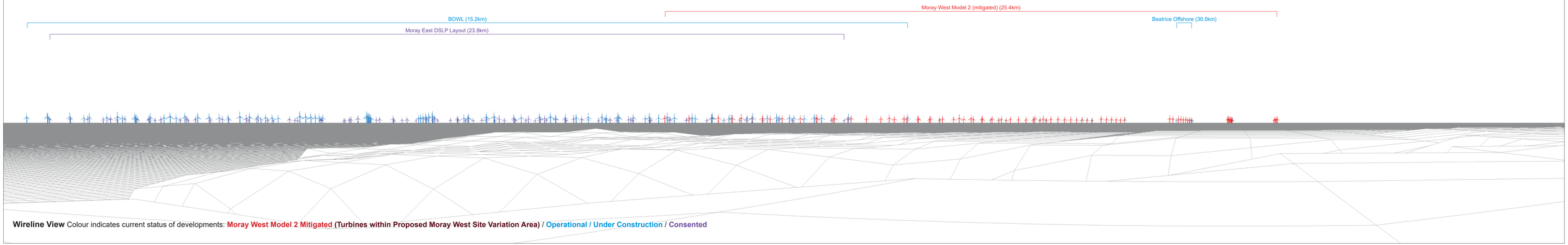

20 NOVEMBER 2018 10:41 AM | 160969_WDA | 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**334992 E 943334 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**39 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**154°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**25.39 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**16/11/2017 13:50**

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Figure 11.7b

Viewpoint 4 : Sarclet (Sarclet Haven Info Board) Panorama with Cumulative Wireline - (Model 2)

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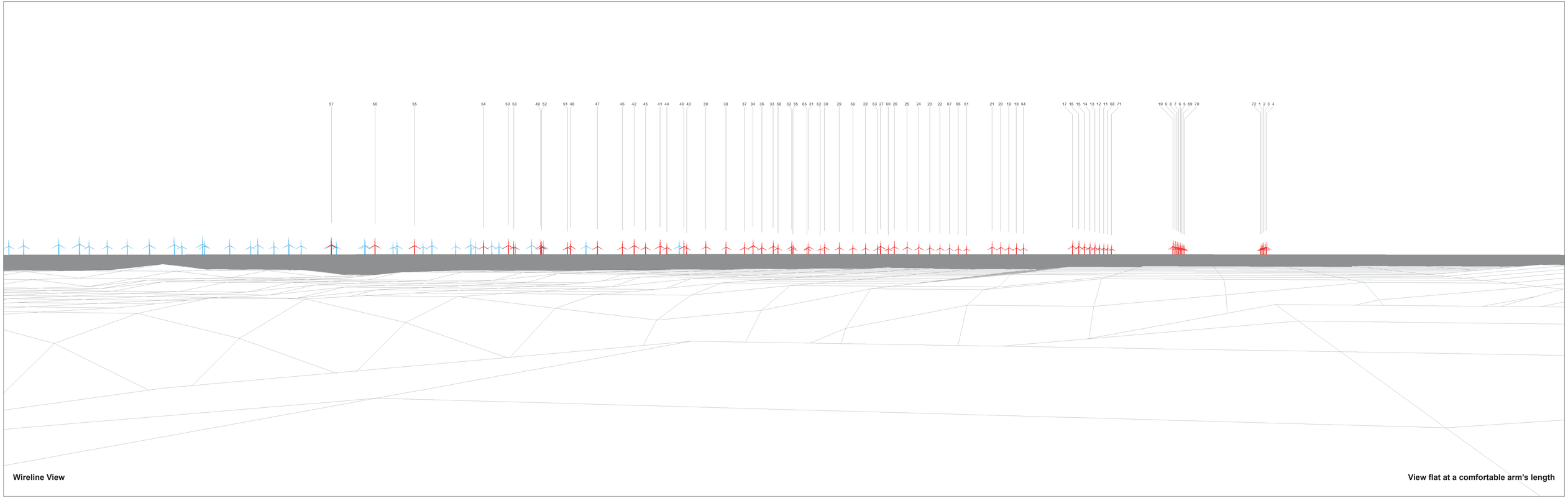

Wireline View

View flat at a comfortable arm's length

20 NOVEMBER 2018 10:41 AM | 165999_WDA | 181119_165999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**334992 E 943334 N**
Elevation	**39 m AOD**
Direction of view	**165°**
Nearest turbine	**25.37 km**

Horizontal field of view	**53.5° (planar projection)**
Principal distance	**812.5 mm**
Paper size	**841 x 297 mm (half A1)**
Correct printed image size	**820 x 260 mm**

Camera height	**1.5 m AGL**

Moray West EIA Addendum.

Figure 11.7c

Viewpoint 4 : Sarclet (Sarclet Haven Info Board) Wireline - (Model 3)

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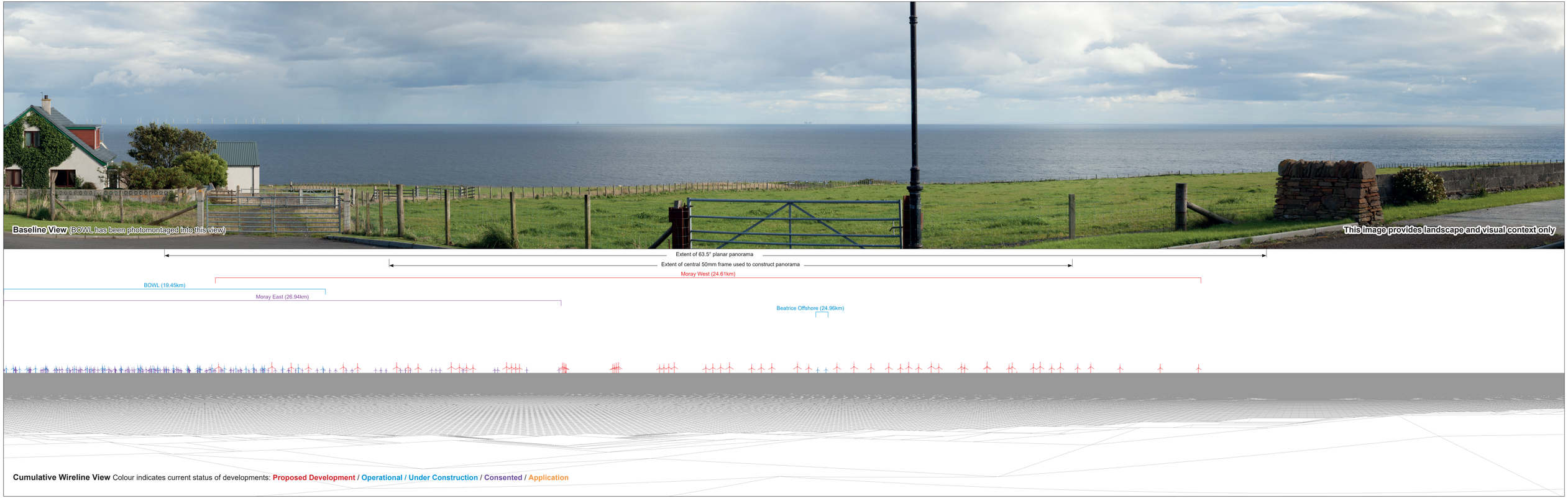

04 / 06 / 2018 | 180909_VIDA1 180904_180909_WIDA_LVIA_SNH_THC_COMB_REVG

OS reference	**324843 E 935082 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**55 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**150°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**24.61 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**08/09/2011 16:56**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.15c

Viewpoint 7 : Lybster (end of Main Street) Panorama with Cumulative Wireline (view 2 of 4)

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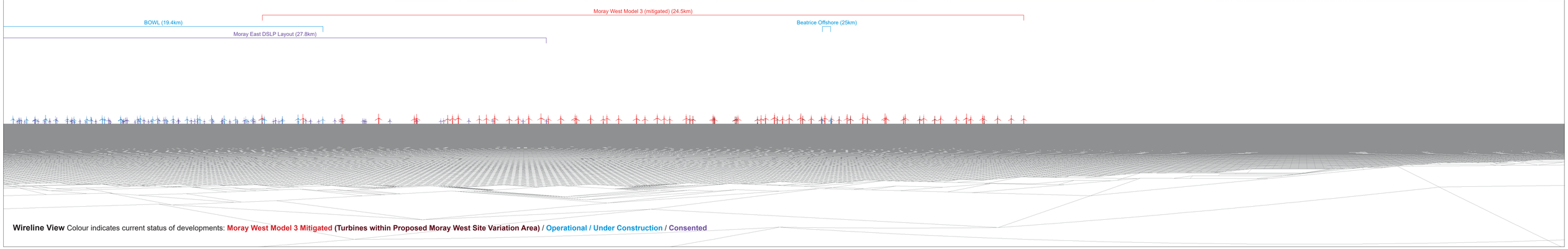

20 NOVEMBER 2018 10:41 AM | 160969_WDA | 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**324843 E 935082 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**55 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**150°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**24.46 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**08/09/2011 16:56**

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Figure 11.8a

Viewpoint 7 : Lybster (end of Main Street) Panorama with Cumulative Wireline - (Model 3)

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OS reference	**324843 E 935082 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**55 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**150°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**24.05 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**08/09/2011 16:56**

Moray West EIA Addendum.

Figure 11.8b

Viewpoint 7 : Lybster (end of Main Street) Panorama with Cumulative Wireline - (Model 2)

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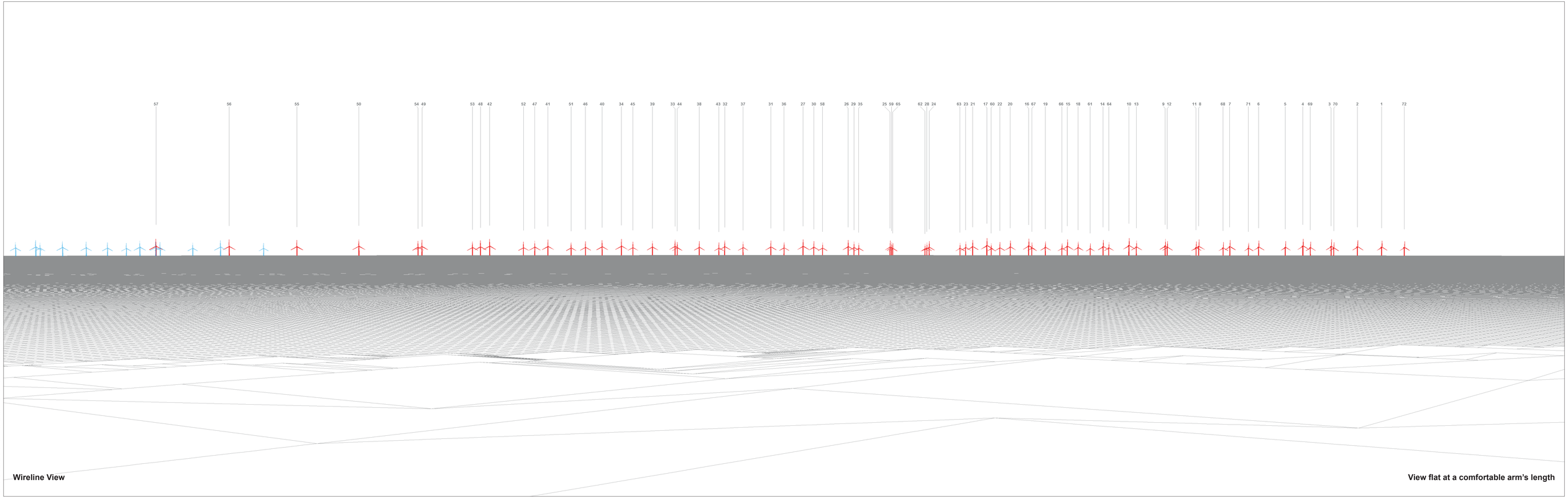

Wireline View

View flat at a comfortable arm's length

20 NOVEMBER 2018 10:41 AM | 180999_WDA | 180119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**324843 E 935082 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**55 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**142°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**24.46 km**	Correct printed image size	**820 x 260 mm**		

Moray West EIA Addendum.

Figure 11.8c

Viewpoint 7 : Lybster (end of Main Street) Wireline - (Model 3)

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04 / 06 / 2018 | 180906_VIDA1 | 180604_180906_WIDA_LVIA_SNH_THC_COMB_REV0

OS reference	**316071 E 929526 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**43 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**120°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**24.78 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**15/11/2017 14:56**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.17b

Viewpoint 9a : Dunbeath (nr Heritage Centre) Panorama with Cumulative Wireline

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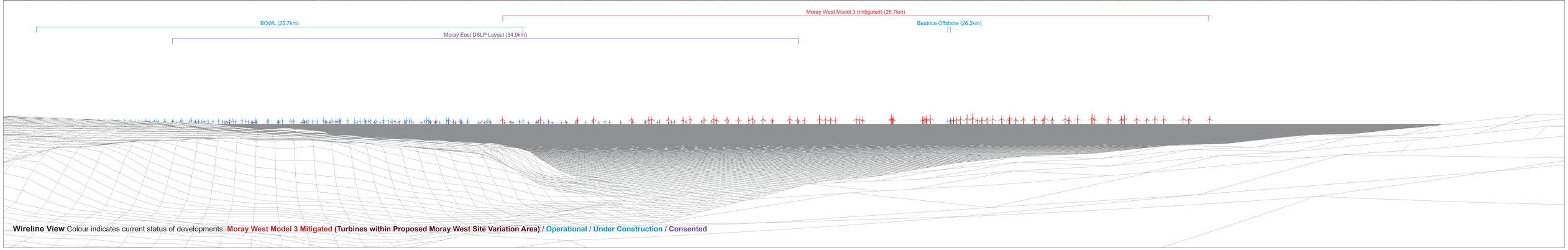

20 NOVEMBER 2018 10:41 AM | 160969_WDA | 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**316071 E 929526 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**43 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**120°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**25.65 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**15/11/2017 14:56**

Moray West EIA Addendum.

Figure 11.9a

Viewpoint 9a : Dunbeath (nr Heritage Centre) Panorama with Cumulative Wireline - (Model 3)

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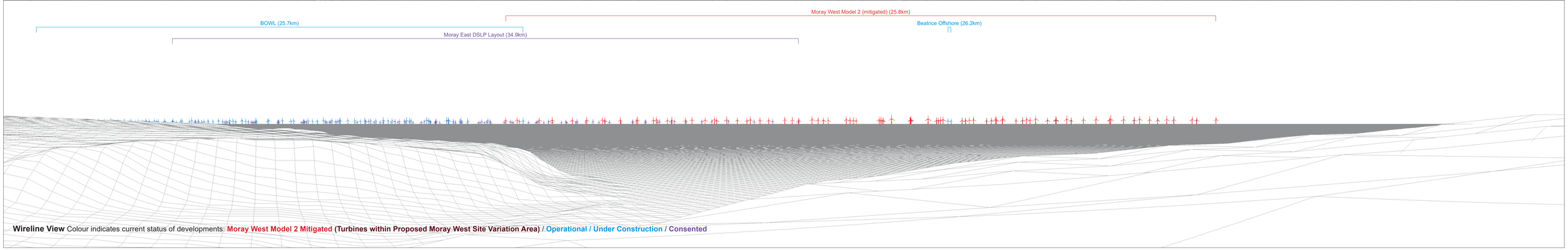

20 NOVEMBER 2018 10:41 AM | 160969_WDA | 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**316071 E 929526 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**43 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**120°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**25.82 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**15/11/2017 14:56**

Moray West EIA Addendum.

Figure 11.9b

Viewpoint 9a : Dunbeath (nr Heritage Centre) Panorama with Cumulative Wireline - (Model 2)

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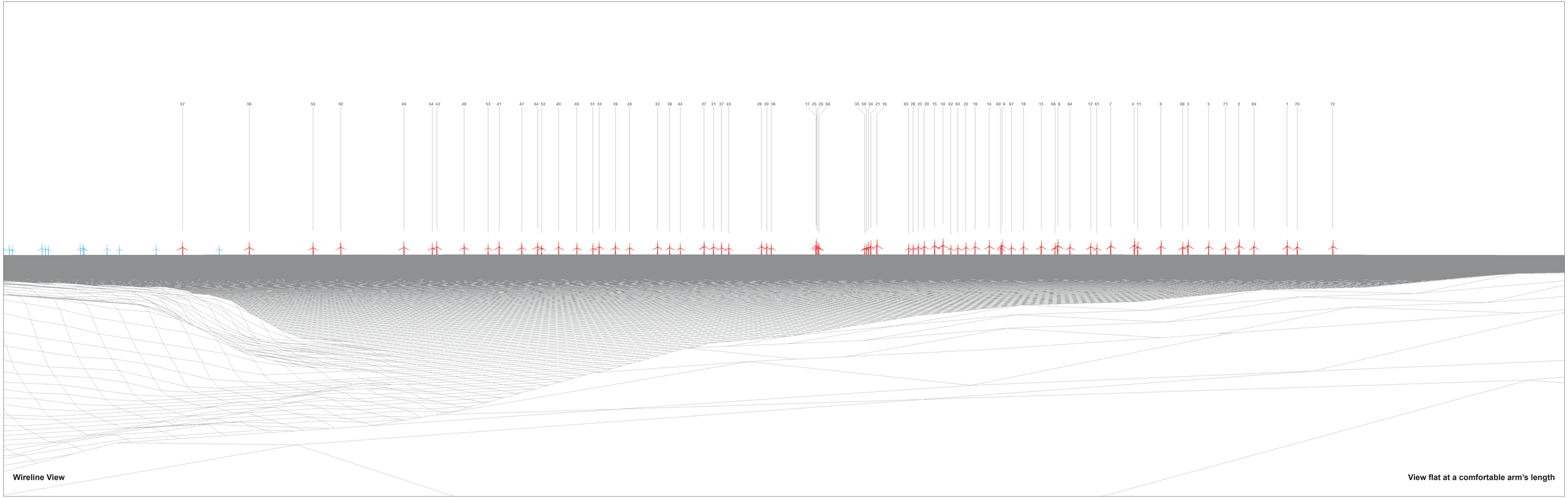

20 NOVEMBER 2018 10:41 AM | 180969_WDA | 180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**316071 E 929526 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**43 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**125°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**25.65 km**	Correct printed image size	**820 x 260 mm**		

Moray West EIA Addendum.

Figure 11.9c

Viewpoint 9a : Dunbeath (nr Heritage Centre) Wireline - (Model 3)

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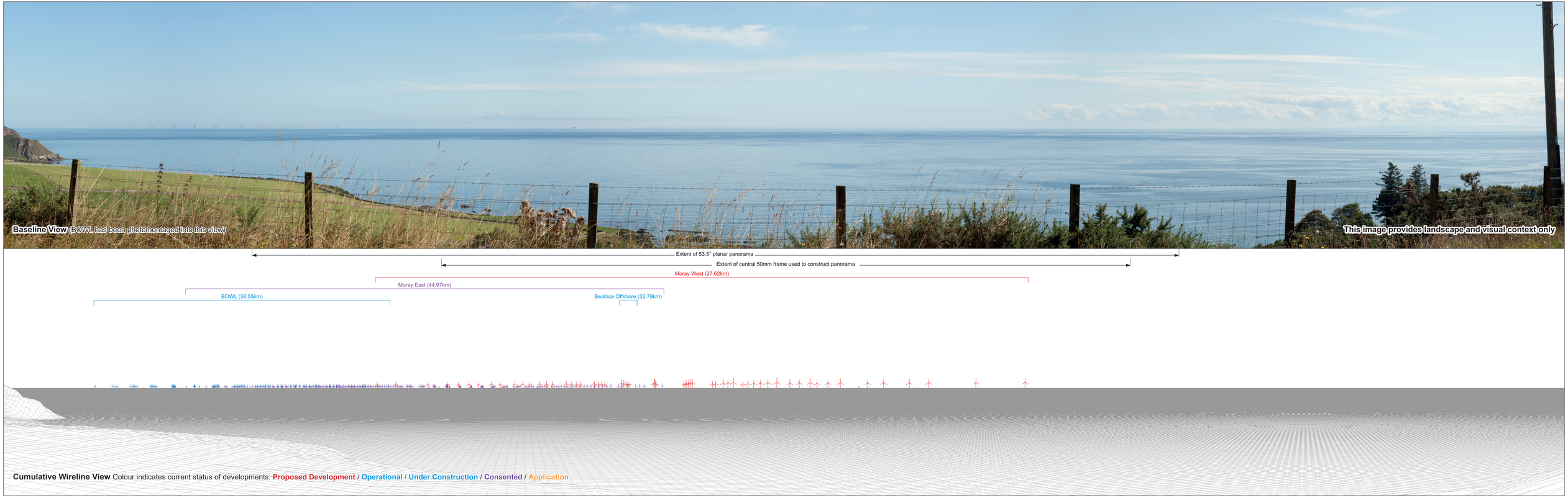

04 / 06 / 2018 | 180906_V1DA1 | 180904_180906_WD1A_LVIA_SNH_THC_COMB_REVG

OS reference	**303766 E 916161 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**82.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**105°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**27.62 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**04/09/2011 13:02**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.21c

Viewpoint 12 : Navidale Panorama with Cumulative Wireline (view 2 of 2)

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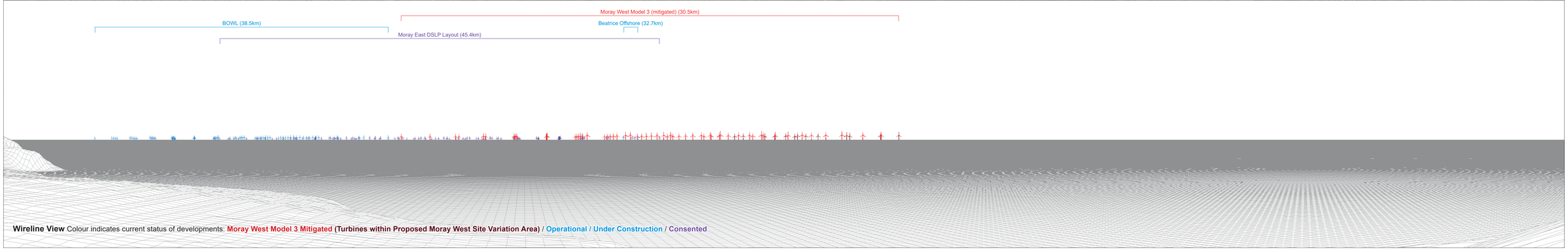

20 NOVEMBER 2018 10:41 AM | 160969_WDA | 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**303766 E 916161 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**82.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**105°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**30.49 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**04/09/2011 13:02**

Moray West EIA Addendum.

Figure 11.10a

Viewpoint 12 : Navidale Panorama with Cumulative Wireline - (Model 3)

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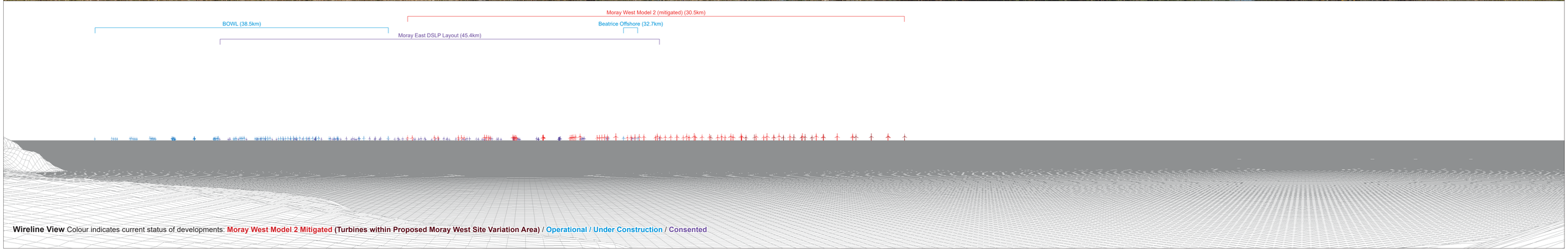

20 NOVEMBER 2018 10:41 AM | 160969_WDA | 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**303766 E 916161 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**82.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**105°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**30.52 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**04/09/2011 13:02**

Moray West EIA Addendum.

Figure 11.10b

Viewpoint 12 : Navidale Panorama with Cumulative Wireline - (Model 2)

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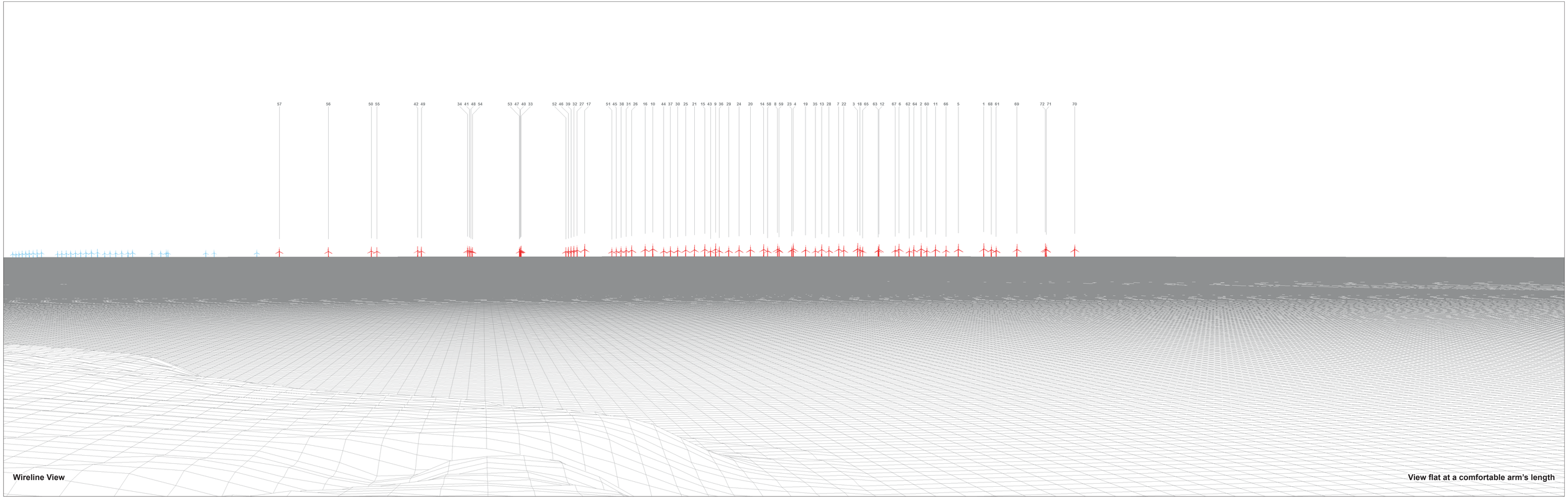

20 NOVEMBER 2018 10:41 AM | 160969_WDA_181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**303766 E 916161 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**82.5 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**101°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**30.49 km**	Correct printed image size	**820 x 260 mm**		

Figure 11.10c

Viewpoint 12 : Navidale Wireline - (Model 3)

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20 NOVEMBER 2018 10:41 AM | 180999_WDA | 181119_180999_WDA_LVIA_ADDENDUM_SMH_VISUALS_RVD

OS reference	**303766 E 916161 N**	Horizontal field of view	**53.5° (planar projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**82.5 m AOD**	Principal distance	**812.5 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**101°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**30.49 km**	Correct printed image size	**820 x 260 mm**	Date & time taken	**16/12/2017 16:28**

Figure 11.10d

Viewpoint 12 : Navidale Photomontage (Night View) - (Model 3)

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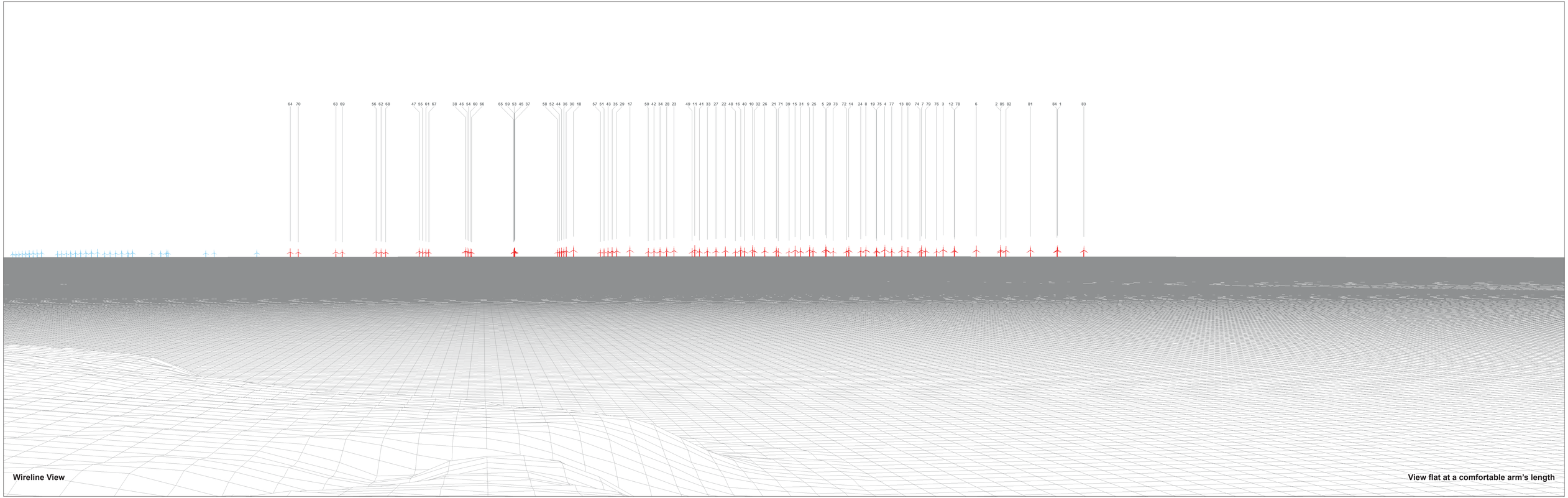

20 NOVEMBER 2018 10:41 AM | 180969_WDA_180119_180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**303766 E 916161 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**82.5 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**101°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**30.52 km**	Correct printed image size	**820 x 260 mm**		

Figure 11.10e

Viewpoint 12 : Navidale Wireline - (Model 2)

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20 NOVEMBER 2018 10:41 AM | 180999_WDA | 181119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**303766 E 916161 N**	Horizontal field of view	**53.5° (planar projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**82.5 m AOD**	Principal distance	**812.5 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**101°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**30.52 km**	Correct printed image size	**820 x 260 mm**	Date & time taken	**16/12/2017 16:28**

Figure 11.10f

Viewpoint 12 : Navidale Photomontage (Night View) - (Model 2)

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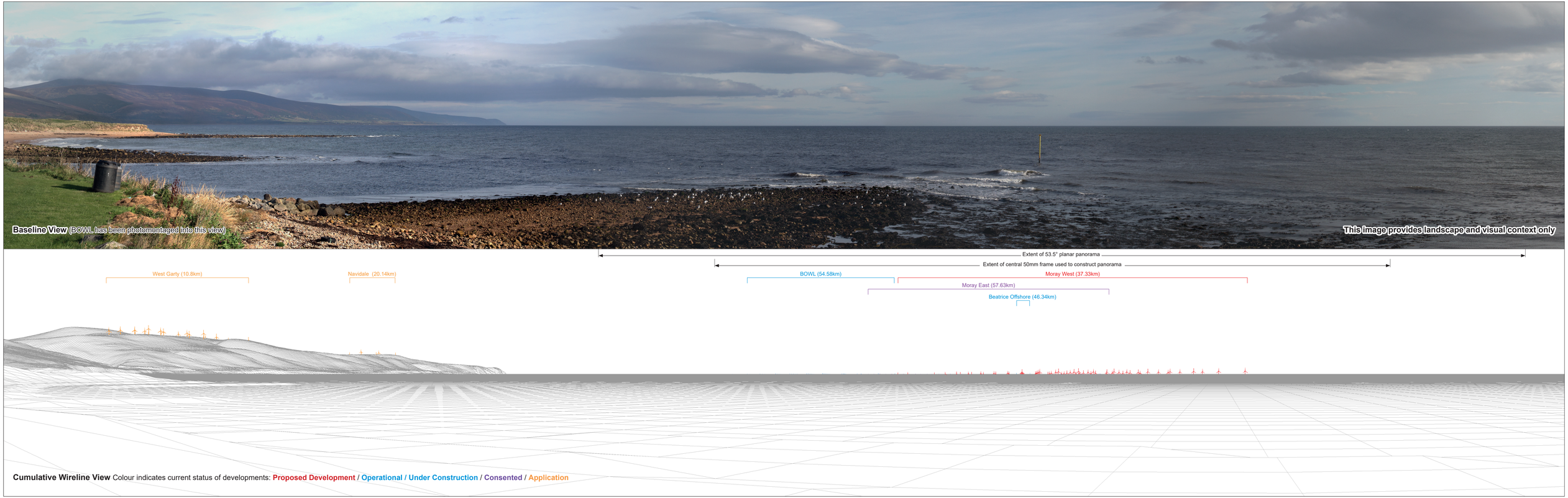

04 / 06 / 2018 | 180904_WDA1 | 180904_WDA_LVIA_SNH_THC_COMB_REVG

OS reference	**291013 E 903634 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**65°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**37.33 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**15/10/2017 11:10**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.22b

Viewpoint 13a : Brora (picnic area off Salt Street) Panorama with Cumulative Wireline (view 1 of 2)

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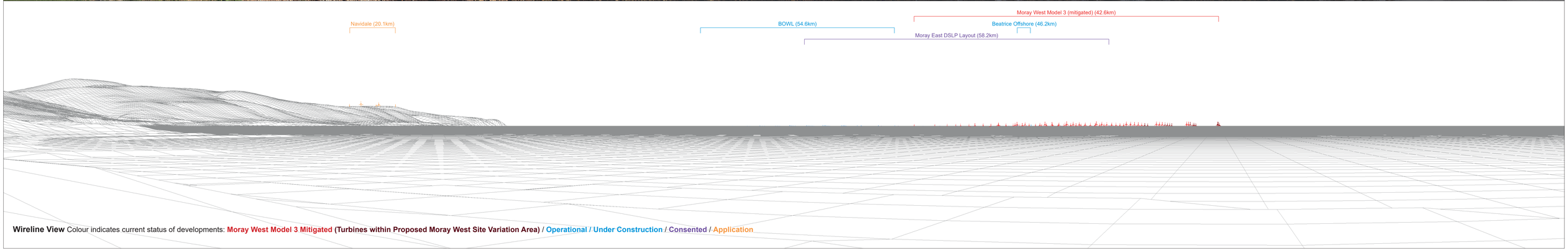

20 NOVEMBER 2018 10:41 AM | 180969_WDA_180119_180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**291013 E 903634 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**65°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**42.6 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**15/10/2017 11:10**

Moray West EIA Addendum.

Figure 11.11a

Viewpoint 13a : Brora (picnic area off Salt Street) Panorama with Cumulative Wireline - (Model 3)

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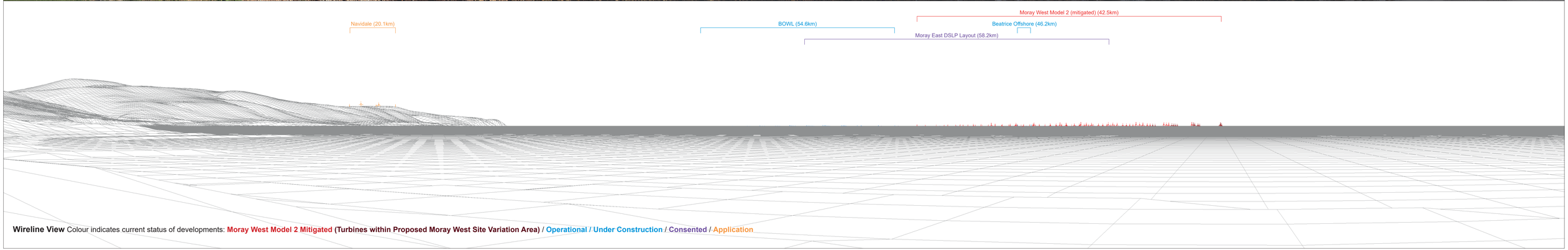

20 NOVEMBER 2018 10:41 AM | 180999_WDA | 180119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**291013 E 903634 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**65°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**42.5 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**15/10/2017 11:10**

Moray West EIA Addendum.

Figure 11.11b

Viewpoint 13a : Brora (picnic area off Salt Street) Panorama with Cumulative Wireline - (Model 2)

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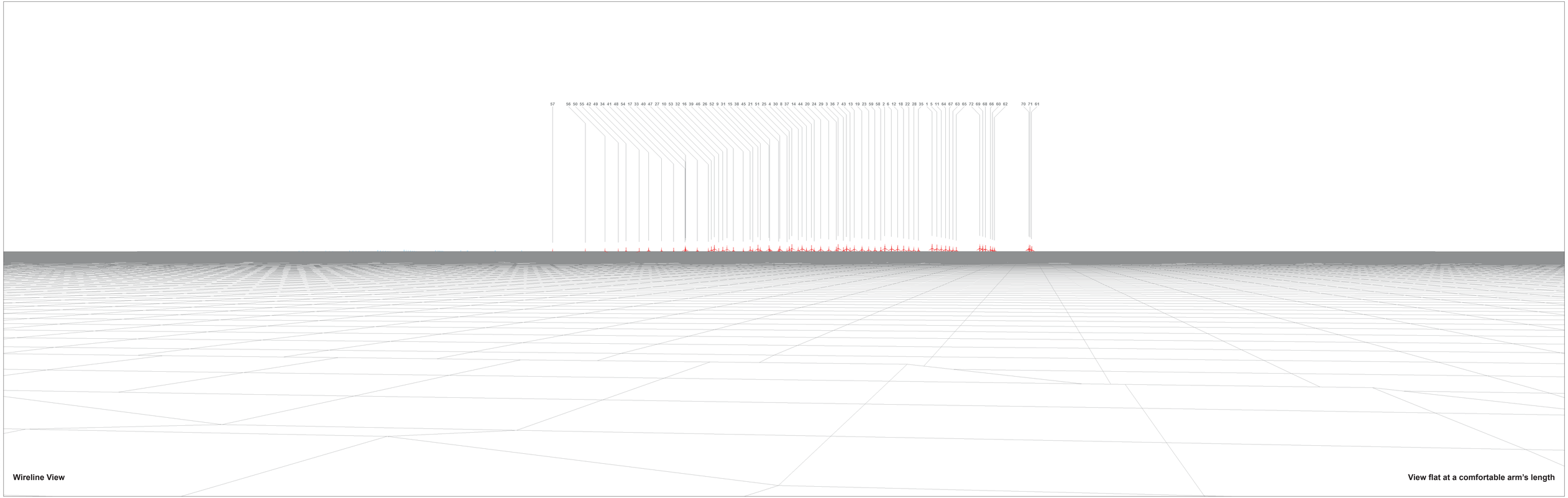

Wireline View

View flat at a comfortable arm's length

OS reference	**291013 E 903634 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**5 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**81°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**42.6 km**	Correct printed image size	**820 x 260 mm**		

Moray West EIA Addendum.

Figure 11.11c

Viewpoint 13a : Brora (picnic area off Salt Street) Wireline - (Model 3)

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20 NOVEMBER 2018 10:41 AM | 185999_WDA | 185119_185999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

04 / 06 / 2018 | 180904_VIDA1 180904_180909_WIDA_LVIA_SNH_THC_COMB_REVG

OS reference	**323654 E 871295 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**4 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**0°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**31.66 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**13/10/2017 17:28**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.26c

Viewpoint 16 : Lossiemouth Harbour Panorama with Cumulative Wireline (view 2 of 3)

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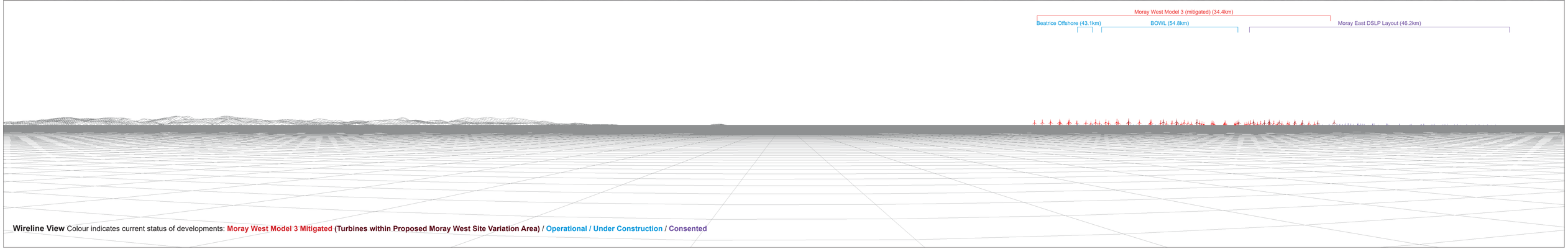

20 NOVEMBER 2018 10:41 AM | 180569_WDA | 180119_180569_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**323654 E 871295 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**4 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**0°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**34.4 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**13/10/2017 17:28**

Moray West EIA Addendum.

Figure 11.12a

Viewpoint 16 : Lossiemouth Harbour Panorama with Cumulative Wireline - (Model 3)

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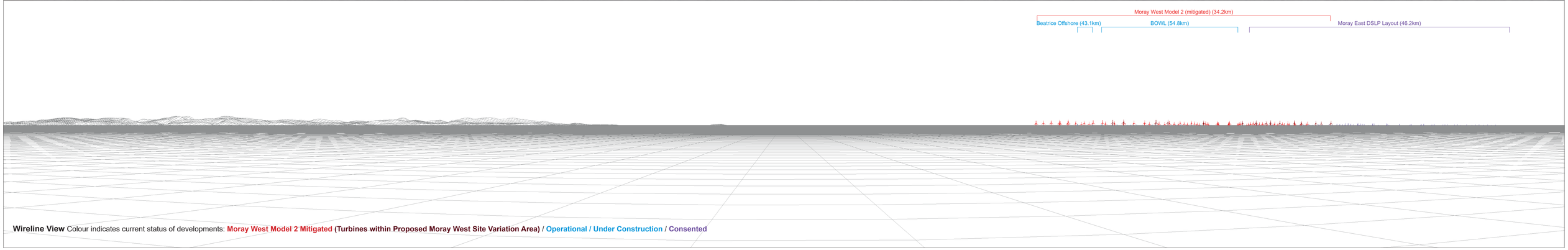

20 NOVEMBER 2018 10:41 AM | 180569_WDA | 180119_180569_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**323654 E 871295 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**		
Elevation	**4 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**		
Direction of view	**0°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**		
Nearest turbine	**34.2 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**13/10/2017 17:28**		

Moray West EIA Addendum.

Figure 11.12b

Viewpoint 16 : Lossiemouth Harbour Panorama with Cumulative Wireline - (Model 2)

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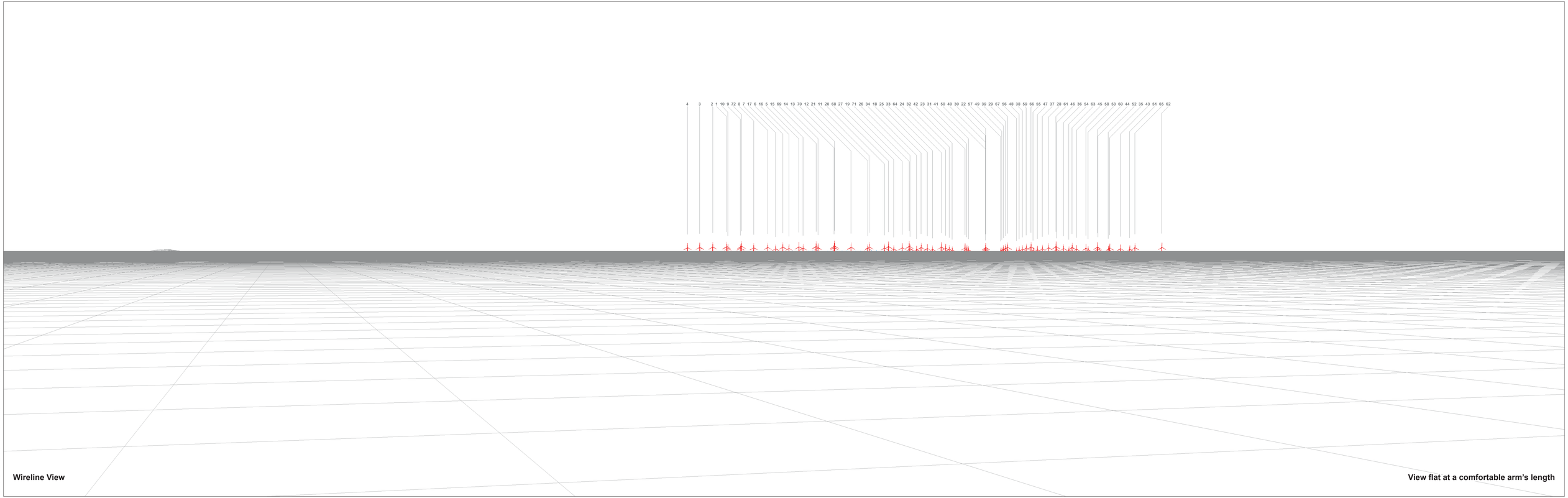

Wireline View

View flat at a comfortable arm's length

OS reference	**323654 E 871295 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**4 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**18°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**34.4 km**	Correct printed image size	**820 x 260 mm**		

Figure 11.12c

Viewpoint 16 : Lossiemouth Harbour Wireline - (Model 3)

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20 NOVEMBER 2018 10:41 AM | 180999_WDA | 181119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

20 NOVEMBER 2018 10:41 AM | 180999_WDA | 180119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**323654 E 871295 N**	Horizontal field of view	**53.5° (planar projection)**	Camera	**Canon EOS 6D**
Elevation	**4 m AOD**	Principal distance	**812.5 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**18°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**34.4 km**	Correct printed image size	**820 x 260 mm**	Date & time taken	**13/10/2017 18:48**

Figure 11.12d

Viewpoint 16 : Lossiemouth Harbour Photomontage (Night View) - (Model 3)

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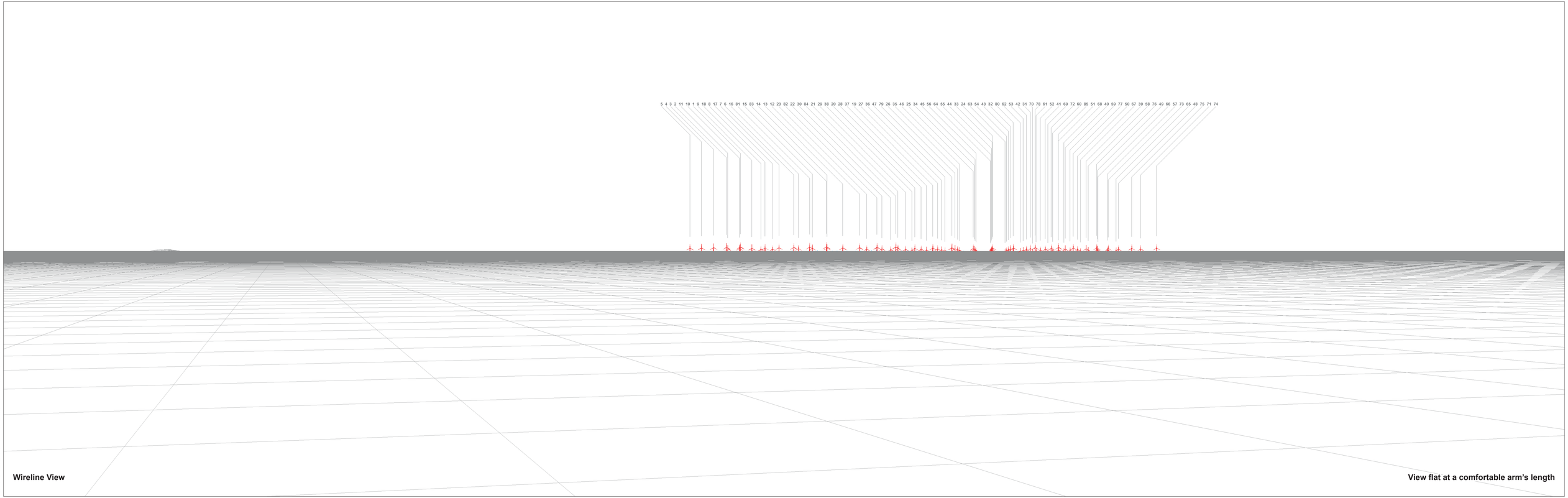

20 NOVEMBER 2018 10:41 AM | 180999_WDA | 181119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**323654 E 871295 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**4 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**18°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**34.2 km**	Correct printed image size	**820 x 260 mm**		

Figure 11.12e
Viewpoint 16 : Lossiemouth Harbour Wireline - (Model 2)

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20 NOVEMBER 2018 10:41 AM | 180969_WDA | 180119_180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**323654 E 871295 N**	Horizontal field of view	**53.5° (planar projection)**	Camera	**Canon EOS 6D**
Elevation	**4 m AOD**	Principal distance	**812.5 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**18°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**34.2 km**	Correct printed image size	**820 x 260 mm**	Date & time taken	**13/10/2017 18:48**

Figure 11.12f

Viewpoint 16 : Lossiemouth Harbour Photomontage (Night View) - (Model 2)

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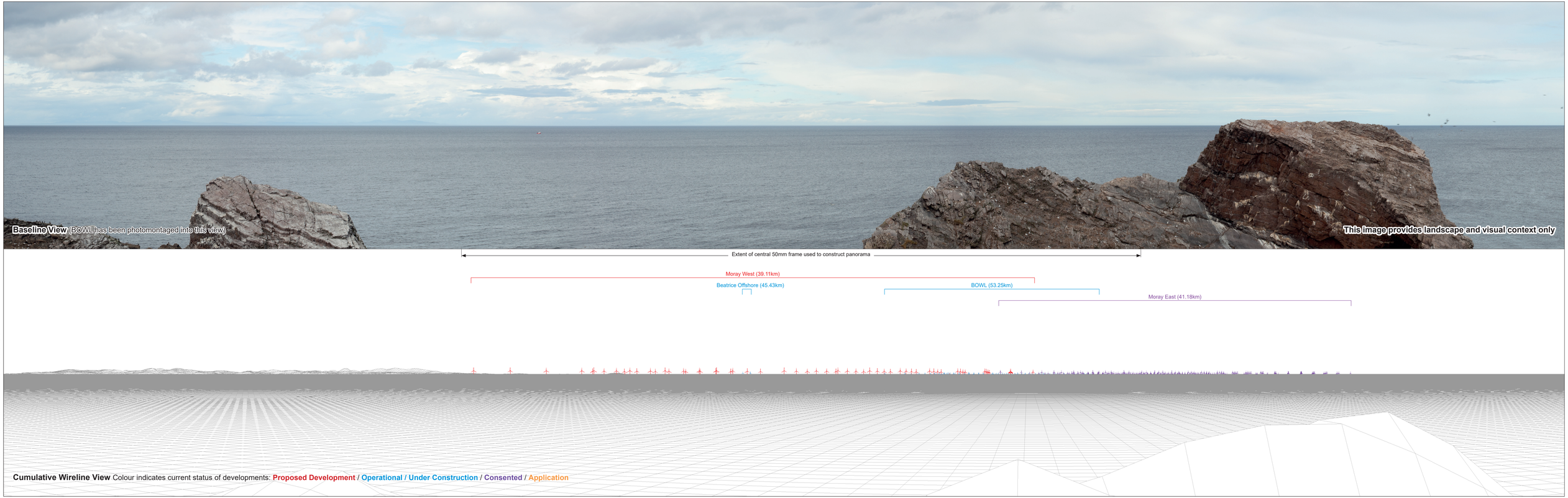

04 / 06 / 2018 | 180906_WD0A1 180604_180906_WD0A_LVIA_SNH_THC_COMB_REVG

OS reference	**349411 E 868741 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**27 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**346°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**39.11 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 13:55**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.29b

Viewpoint 19 : Portnockie (Bow Fiddle Rock Info Point) Panorama with Cumulative Wireline

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20 NOVEMBER 2018 10:41 AM | 180999_WDA1 180119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**349411 E 868741 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**27 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**346°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**35.9 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 13:55**

Moray West EIA Addendum.

Figure 11.13a

Viewpoint 19 : Portnockie (Bow Fiddle Rock Info Point) Panorama with Cumulative Wireline - (Model 3)

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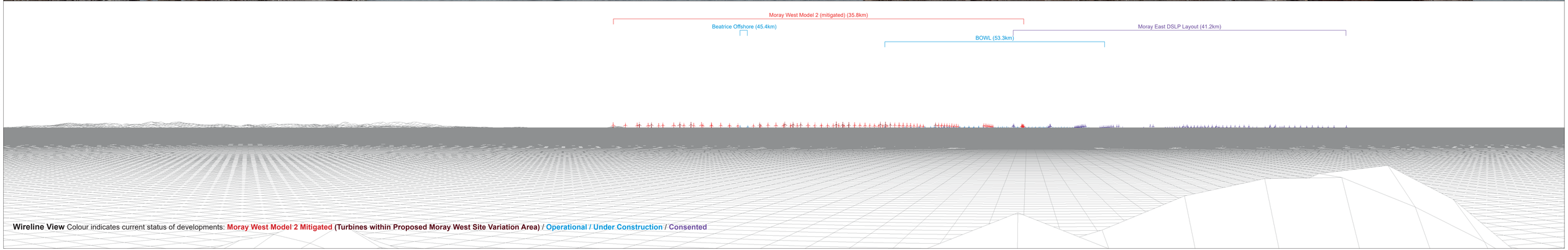

20 NOVEMBER 2018 10:41 AM | 180999_WDA1 180119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**349411 E 868741 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**27 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**346°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**35.8 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 13:55**

Moray West EIA Addendum.

Figure 11.13b

Viewpoint 19 : Portnockie (Bow Fiddle Rock Info Point) Panorama with Cumulative Wireline - (Model 2)

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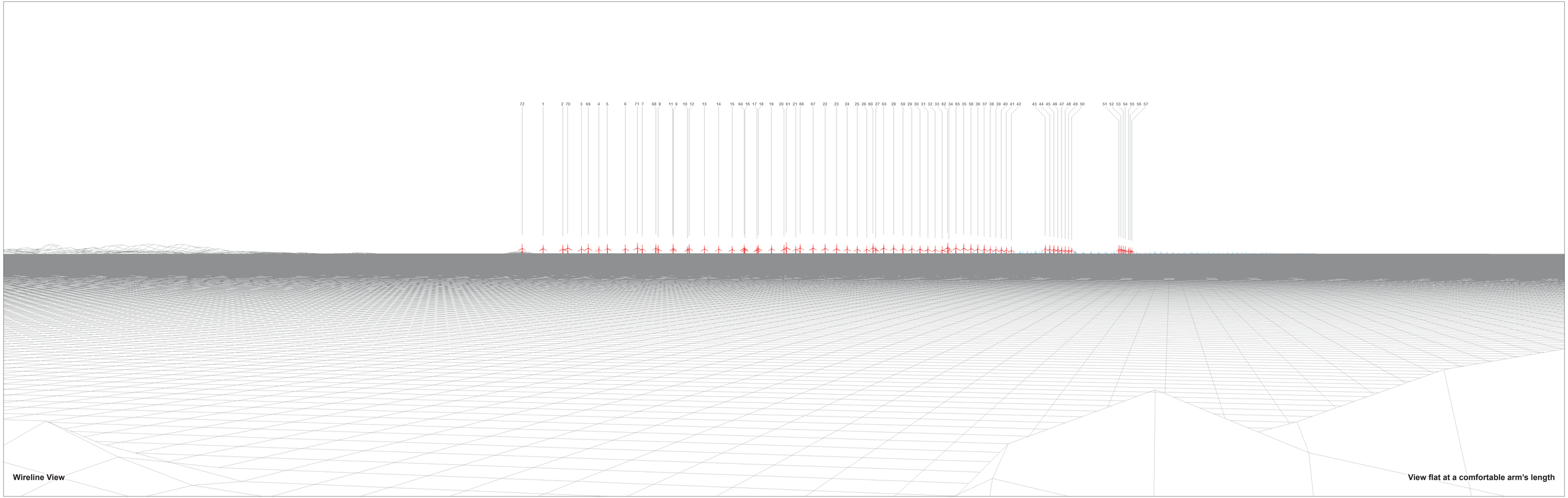

20 NOVEMBER 2018 10:41 AM | 180999_WDA| 181119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**349411 E 868741 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**27 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**346°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**35.9 km**	Correct printed image size	**820 x 260 mm**		

Moray West EIA Addendum.

Figure 11.13c

Viewpoint 19 : Portnockie (Bow Fiddle Rock Info Point) Wireline - (Model 3)

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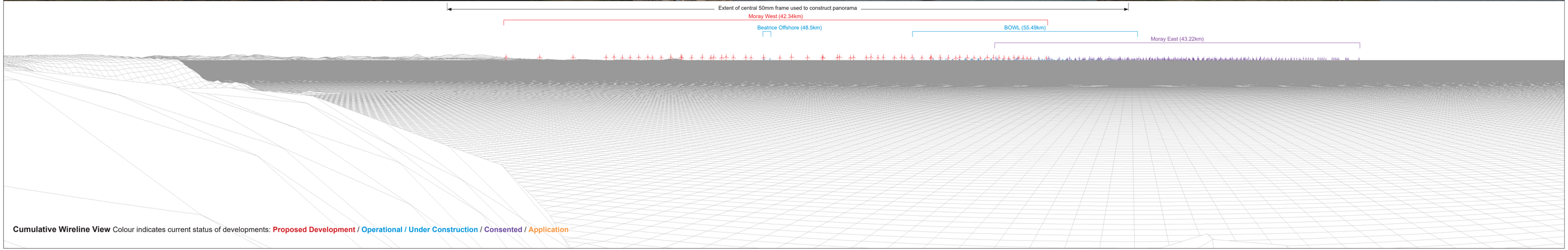

Cumulative Wireline View Colour indicates current status of developments: **Proposed Development** / **Operational** / **Under Construction** / **Consented** / **Application**

04 / 06 / 2018 | 180969_VP21 | 180924_180969_WDA_LVIA_SNH_THC_COMB_REVG

OS reference	**354169 E 867086 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**	**Note:**	
Elevation	**53.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**	Pitch of view has been altered in order to display Castle location.	
Direction of view	**340°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**		
Nearest turbine	**42.34 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 12:54**		

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.31b
Viewpoint 21 : Findlater Castle Panorama with Cumulative Wireline

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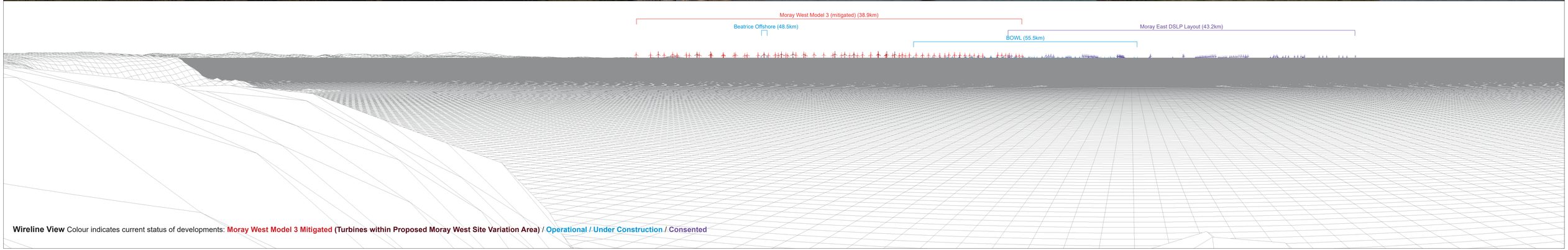

Wireline View Colour indicates current status of developments: **Moray West Model 3 Mitigated (Turbines within Proposed Moray West Site Variation Area)** / **Operational** / **Under Construction** / **Consented**

20 NOVEMBER 2018 10:41 AM | 180969_WDA | 180119_180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**354169 E 867086 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**53.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**340°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**38.9 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 12:54**

Moray West EIA Addendum.

Figure 11.14a

Viewpoint 21 : Findlater Castle Panorama with Cumulative Wireline - (Model 3)

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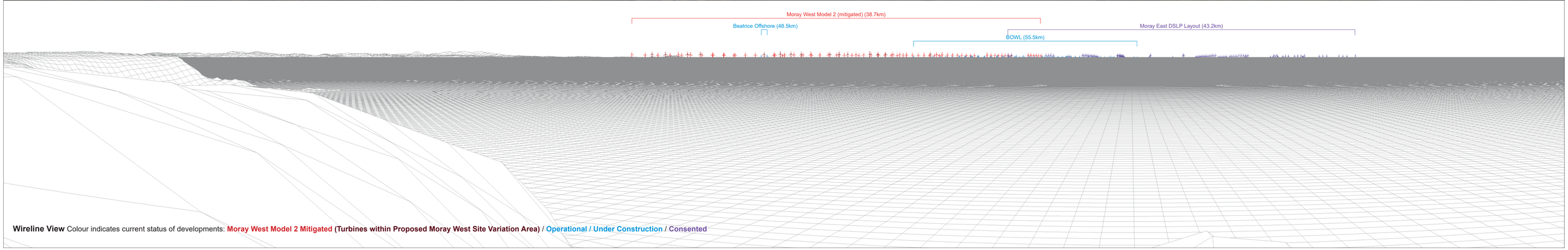

20 NOVEMBER 2018 10:41 AM | 180999_WDA | 180119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**354169 E 867086 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**53.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**340°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**38.7 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 12:54**

Moray West EIA Addendum.

Figure 11.14b

Viewpoint 21 : Findlater Castle Panorama with Cumulative Wireline - (Model 2)

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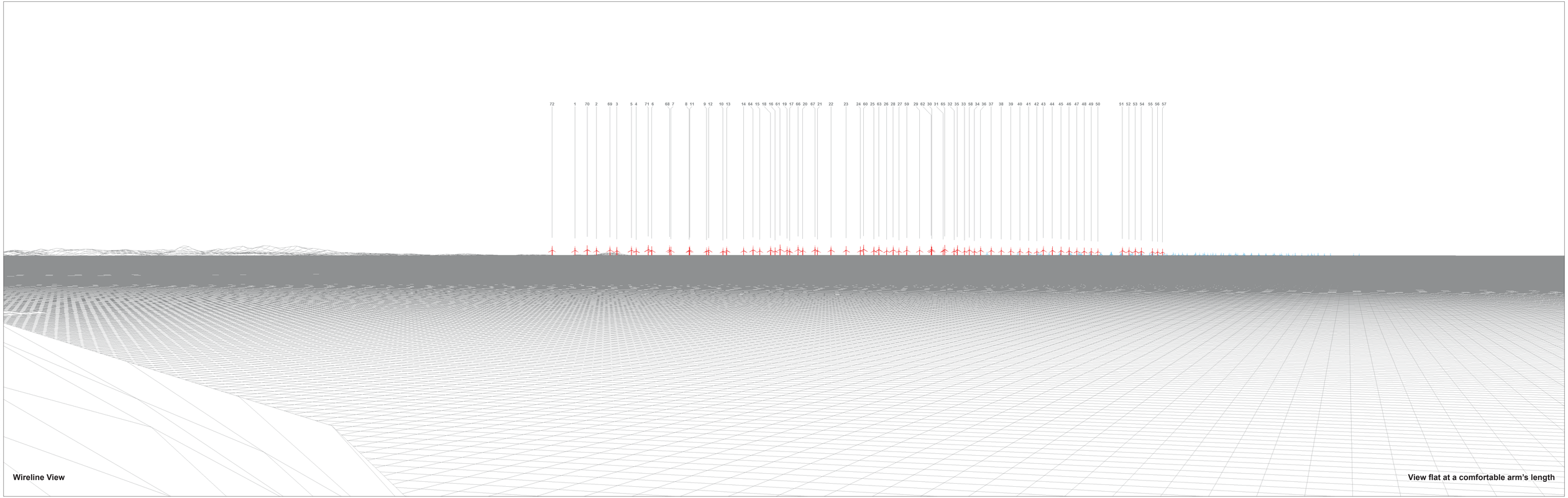

20 NOVEMBER 2018 10:41 AM | 180999_WDA | 181119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**354169 E 867086 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**53.5 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**340°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**38.9 km**	Correct printed image size	**820 x 260 mm**		

Moray West EIA Addendum.

Figure 11.14c

Viewpoint 21 : Findlater Castle Wireline - (Model 3)

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04 / 06 / 2018 | 180906_VIDA1 180904_180906_WIDA_LVIA_SNH_THC_COMB_REV2

OS reference	**355619 E 866117 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**7.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**0°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**43.71 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**14/10/2017 09:37**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.32b

Viewpoint 22 : Sandend Panorama with Cumulative Wireline (view 1 of 2)

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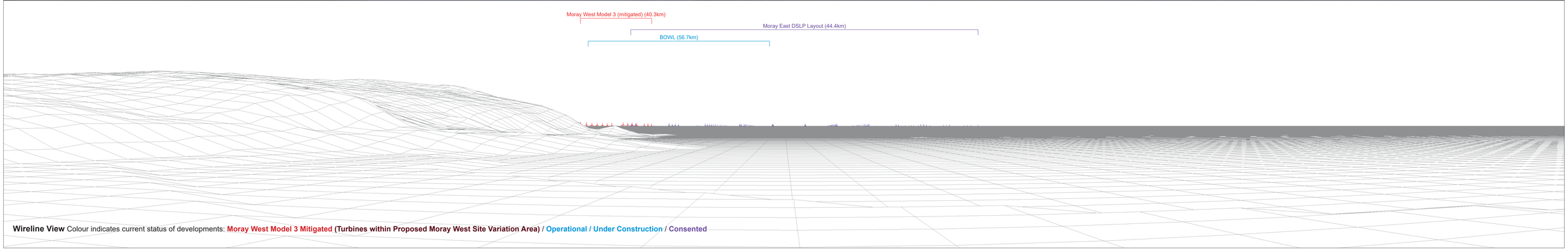

20 NOVEMBER 2018 10:41 AM | 180969_WDA | 181119_180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**355619 E 866117 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**
Elevation	**7.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**0°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**40.28 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**14/10/2017 09:37**

Moray West EIA Addendum.

Figure 11.15a

Viewpoint 22 : Sandend Panorama with Cumulative Wireline - (Model 3)

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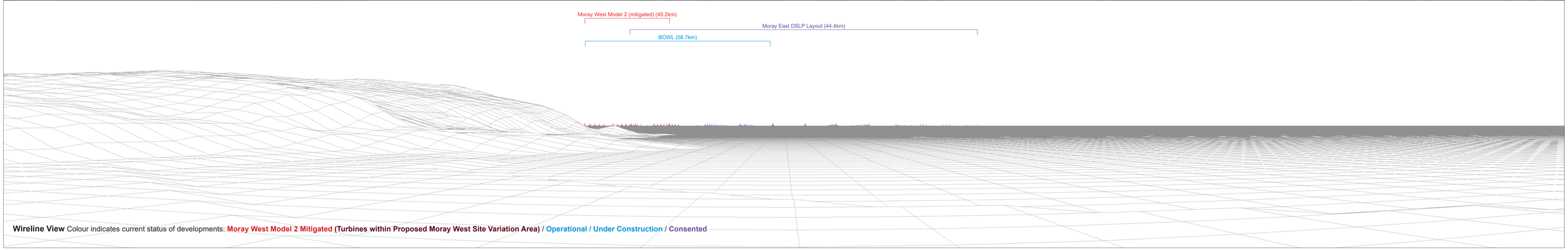

20 NOVEMBER 2018 10:41 AM | 180969_WDA | 181119_180969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**355619 E 866117 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 6D**		
Elevation	**7.5 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**		
Direction of view	**0°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**		
Nearest turbine	**40.17 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**14/10/2017 09:37**		

Moray West EIA Addendum.

Figure 11.15b

Viewpoint 22 : Sandend Panorama with Cumulative Wireline - (Model 2)

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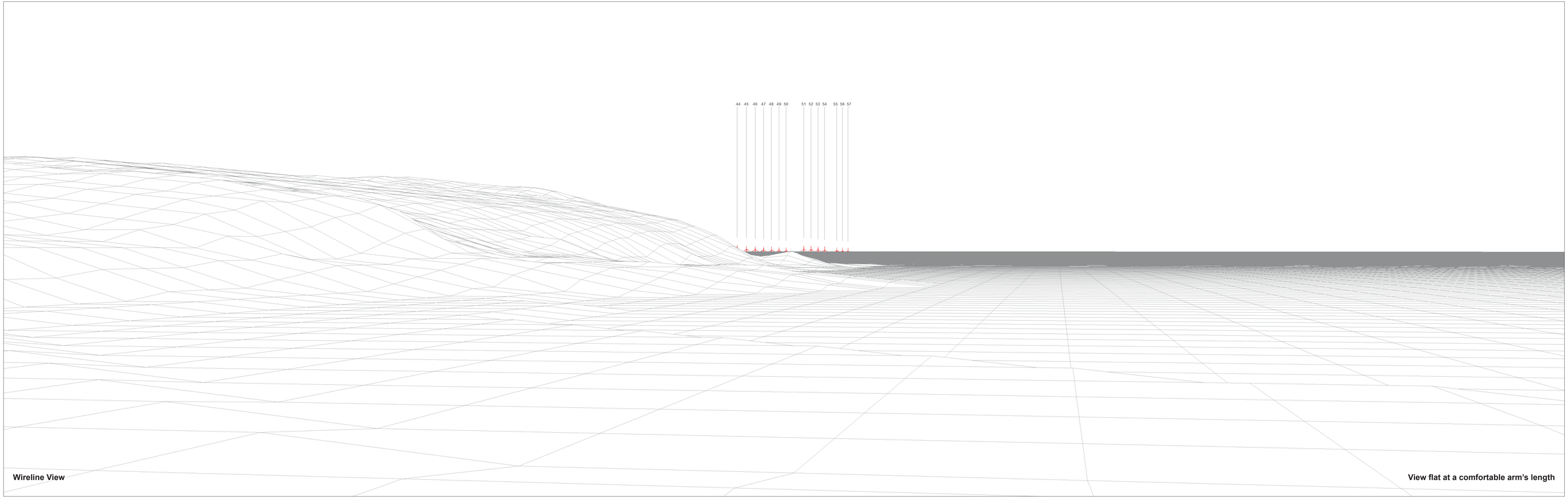

20 NOVEMBER 2018 10:41 AM | 180999_WDA | 180119_180999_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**355619 E 866117 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**7.5 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**350°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**40.28 km**	Correct printed image size	**820 x 260 mm**		

Moray West EIA Addendum.

Figure 11.15c

Viewpoint 22 : Sandend Wireline - (Model 3)

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Cumulative Wireline View Colour indicates current status of developments: **Proposed Development** / **Operational** / **Under Construction** / **Consented** / **Application**

04 / 06 / 2018 | 180909_VIDA1 180904_180909_WIDA_LVIA_SNH_THC_COMB_REVG

OS reference	**359071 E 866382 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**
Elevation	**9 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**
Direction of view	**335°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**
Nearest turbine	**44.67 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 12:26**

Image extracted from EIA Report 2018 SLVIA showing Model 4f WCS layout.

Figure 14.7.33b
Viewpoint 23 : Portsoy Panorama with Cumulative Wireline

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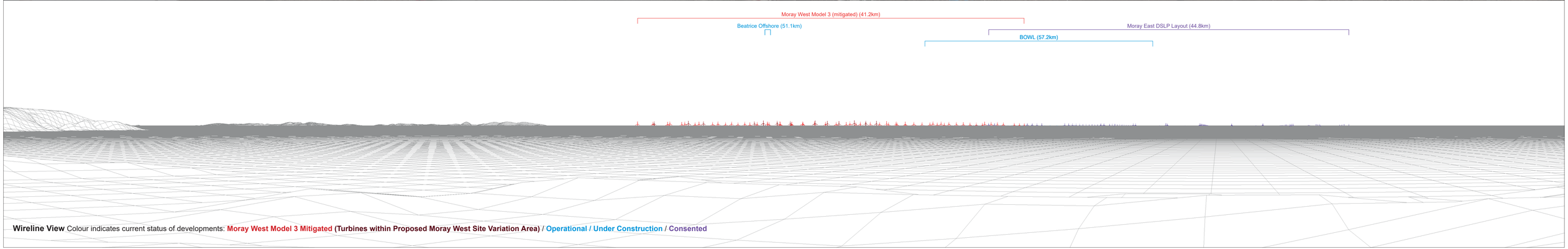

20 NOVEMBER 2018 10:41 AM | 160969_WDA | 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**359071 E 866382 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**	**Moray West EIA Addendum.**	**Figure 11.16a**
Elevation	**9 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**		
Direction of view	**335°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**	**Viewpoint 23 : Portsoy**	Panorama with Cumulative Wireline - (Model 3)
Nearest turbine	**41.15 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 12:26**		

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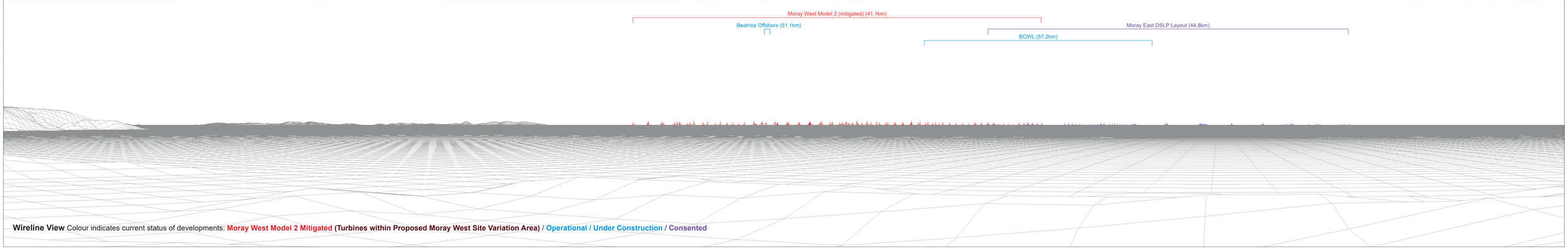

20 NOVEMBER 2018 10:41 AM | 160969_WDA | 181119_160969_WDA_LVIA_ADDENDUM_SNH_VISUALS_RVD

OS reference	**359071 E 866382 N**	Horizontal field of view	**90° (cylindrical projection)**	Camera	**Canon EOS 5D Mark II**	**Moray West EIA Addendum.**	**Figure 11.16b**
Elevation	**9 m AOD**	Principal distance	**522 mm**	Lens	**EF50mm f/1.4 USM**		**Viewpoint 23 : Portsoy** Panorama with Cumulative Wireline - (Model 2)
Direction of view	**335°**	Paper size	**841 x 297 mm (half A1)**	Camera height	**1.5 m AGL**		
Nearest turbine	**41.05 km**	Correct printed image size	**820 x 130 mm**	Date & time taken	**06/09/2011 12:26**		

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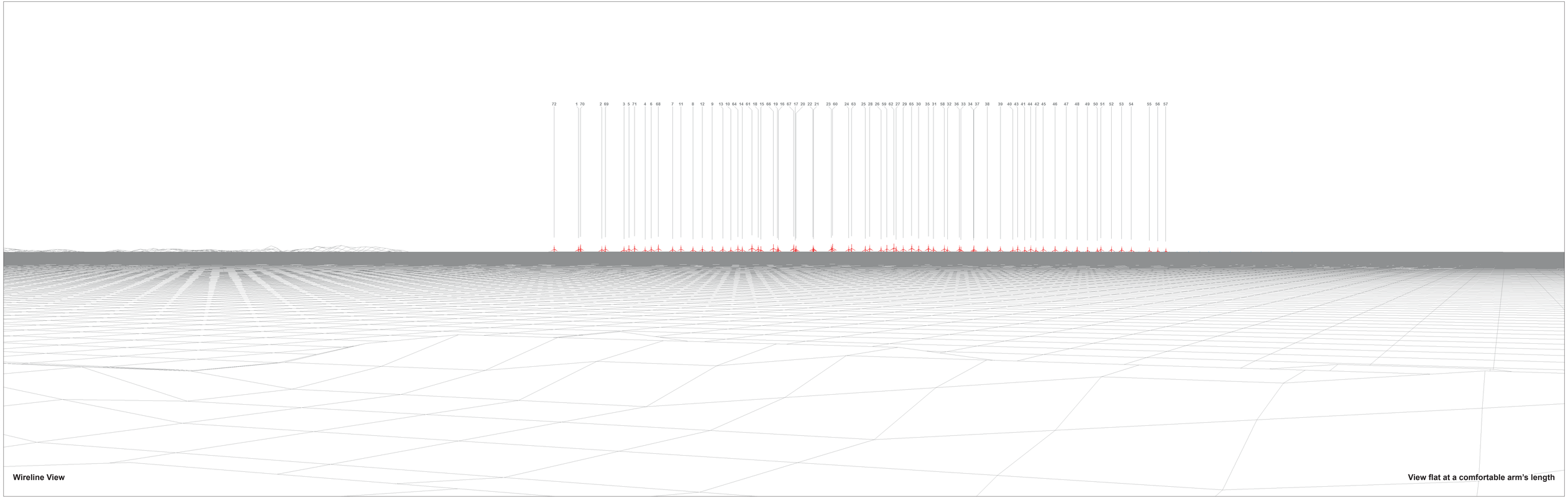

Wireline View

View flat at a comfortable arm's length

OS reference	**359071 E 866382 N**	Horizontal field of view	**53.5° (planar projection)**	Camera height	**1.5 m AGL**
Elevation	**9 m AOD**	Principal distance	**812.5 mm**		
Direction of view	**335°**	Paper size	**841 x 297 mm (half A1)**		
Nearest turbine	**41.15 km**	Correct printed image size	**820 x 260 mm**		

Moray West EIA Addendum.

Figure 11.16c
Viewpoint 23 : Portsoy Wireline - (Model 3)

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