



macroworks

# VOLUME 7B1 SLVIA PHOTOMONTAGES

**NISA**

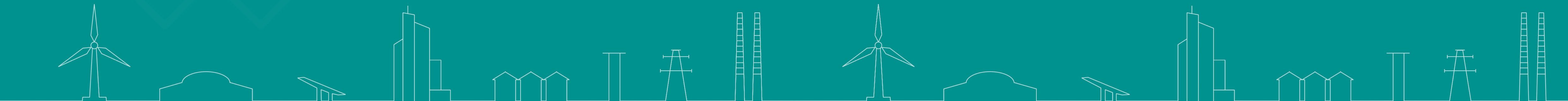
*North Irish Sea Array*

North Irish Sea Array Offshore Wind Farm

Book 2 of 4 (Project Option 1: 49 Turbine Layout) - VPs 24-47

This book contains imagery for the viewpoints chosen for the SLVIA study

May 2024



LVIA | TVIA | Landscape Design | Visibility Analysis | Glint and Glare | Verified Photomontages | CGI | Shadow Flicker Analysis

| EIAR Volume                          | Description                                   |
|--------------------------------------|---|
| Volume 1: Non-Technical Summary      |   |
| Volume 2: Introductory Chapters      |   |
| Volume 3: Offshore Chapters          |   |
| Volume 4: Onshore Chapters           |   |
| Volume 5: Wider Scheme Aspect        |   |
| Volume 6: Summary Chapters           |   |
| Volume 7A: Figures                   |   |
| Volume 7B: Photomontages             |   |
| Volume 7B1                           | SLVIA Photomontages (NISA Offshore Wind Farm) |
| Volume 7B2                           | LVIA Photomontages (NISA Grid Facility)       |
| Volume 8: Appendices (Introductory)  |   |
| Volume 9: Appendices (Offshore)      |   |
| Volume 10: Appendices (Onshore)      |   |
| Volume 11: Appendices (Wider Scheme) |   |
| Volume 12: Appendices (Summary)      |   |

| Volume 7B1: SLVIA Photomontages (NISA Offshore Wind Farm) |  |
|---|--|
| Book 1 of 4   | Project Option 1: 49 Turbine Layout. VP1 - VP23  |
| Book 2 of 4   | Project Option 1: 49 Turbine Layout. VP24 - VP47 |
| Book 3 of 4   | Project Option 2: 35 Turbine Layout. VP1 - VP23  |
| Book 4 of 4   | Project Option 2: 35 Turbine Layout. VP24 - VP47 |

## Volume 7B1: SLVIA Photomontages: North Irish Sea Array Offshore Wind Farm - Full Index of Imagery

**VP1: Knockree Summit Co. Down (NI)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP2: Ballymartin, Co. Down (NI)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP3: Kilkeel, Co. Down (NI)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP4: Greencastle Ferry Terminal, Co. Down (NI)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP5: Greenore Ferry Terminal, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP6: Aghameen, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP7: Barnevave Summit, Coolea Mountains, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP8: Cooley Pt, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP9: Gyles Quay, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP10: Blackrock Promenade, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP11: Dunany Bay Beach, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP12: Lurganboy Beach, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP13: Clogherhead Beach, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage  
Page 4: Night - Time Photomontage

**VP14: Local Road at Castlecoe Hill, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP15: Termonfeckin Beach, Co. Louth**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP16: Bettystown Beach, Co. Meath**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP17: Amenity Area, Laytown, Co. Meath**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP18: Dowth Passage Tomb, Co. Meath**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP19: Kennetstown, Co. Meath**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP20: Gormanston Beach, Co. Meath**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP21: Balbriggan Beach, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP22: R108 at Snowtown, Co. Meath**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP23: Ardgillan Castle grounds, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP24: Amenity Area, Skerries, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage  
Page 5: Night - Time Photomontage

**VP25: Loughshinny, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage  
Page 5: Night - Time Photomontage

**VP26: Coast Road, Rush, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP27: Portrane, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP28: Donabate Beach, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP29: Malahide, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP30: Portmarnock Beach, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP31: Sutton Promenade, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP32: Howth Harbour, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage  
Page 4: Night - Time Photomontage

**VP33: Howth Head, Co. Fingal**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP34: Great South Wall at Poolbeg Lighthouse (Dublin City County)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP35: Promenade, Sandymount (Dublin City County)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP36: Lambay Island - Summit, Co. Dublin (Fingal)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage

**VP37: Lambay Island - Pier, Co. Dublin (Fingal)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP38: Annalong, Co. Down (NI)**  
Page 1: Baseline (Contextual Wireline and Photo)

**VP39: Deer Park, Dublin (Dun Laoghaire-Rathdown)**  
Page 1: Baseline (Contextual Wireline and Photo)

**VP40: Blackrock Park, Dublin (Dun Laoghaire-Rathdown)**  
Page 1: Baseline (Contextual Wireline and Photo)

**VP41: Coast Road, Monkstown (Dun Laoghaire-Rathdown)**  
Page 1: Baseline (Contextual Wireline and Photo)

**VP42: East Pier, Dun Laoghaire (Dun Laoghaire-Rathdown)**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)

**VP43: Forty Foot, Sandycove, (Dun Laoghaire-Rathdown),**  
Page 1: Baseline (Contextual Wireline and Photo)

**VP44: Dalkey Hill, (Dun Laoghaire-Rathdown) Dublin**  
Page 1: Baseline (Contextual Wireline and Photo)

**VP45: Three Rock Mountain, (Dun Laoghaire-Rathdown County), Dublin**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)

**VP46: Bray Head, (Co. Wicklow)**  
Page 1: Baseline (Contextual Wireline and Photo)

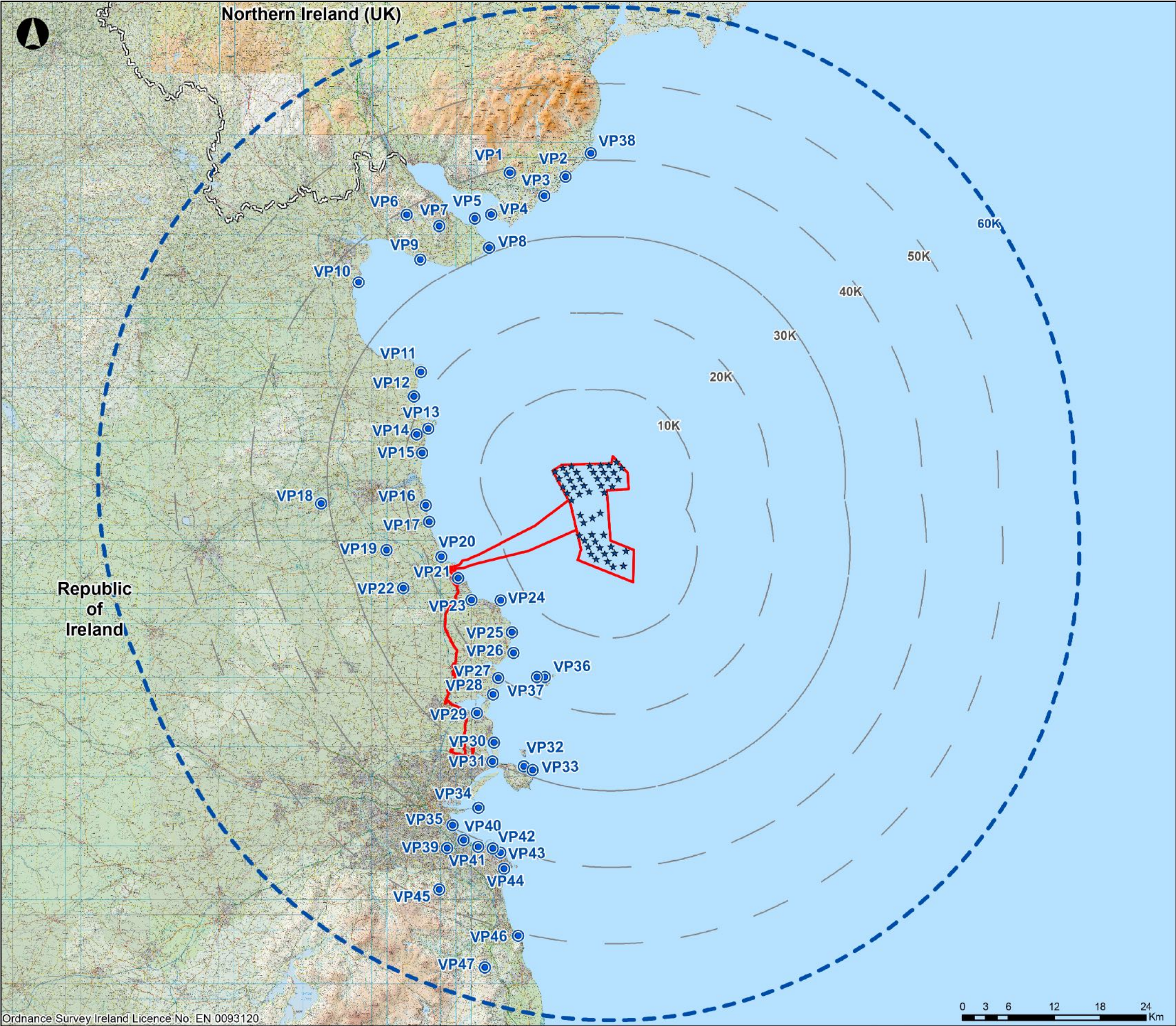
**VP47: Sugar Loaf Summit, (Co. Wicklow)**  
Page 1: Baseline (Contextual Wireline and Photo)

### Marine and Aviation Transport Corridor Wireframes Index of Imagery

**Ferry - Dublin to Douglas**  
Page 1: Pt 1 & Pt 2 Wireline

**Ferry - Dublin to Hollyhead**  
Page 1: Pt 1 & Pt 2 Wireline

**Aircraft - London GTW to Dublin**  
Page 1: Pt 1 & Pt 2 Wireline



### Legend

- Proposed Development Boundary
- Viewpoint Locations (Offshore assessment)
- 60 Km Extent
- ROI - NI (UK) Border
- Project Option 1 Turbines

**NISA**  
North Irish Sea Array

**ARUP** **GoBe**

#### Project

**North Irish Sea Array Offshore Wind Farm**

#### Figure Title

### Viewpoint Location Map

Job No: 0000

Date: 2024/05/01

Scale: 1:470,000

Status: Final

Figure No:

**29.7a**

#### VP24: Amenity Area, Skerries, Co. Fingal

Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Baseline (Contextual Wireline and Photo)  
Page 3: Wireline  
Page 4: Photomontage  
Page 5: Night - Time Photomontage

#### VP25: Loughshinny, Co. Fingal

Page 1: Baseline (Contextual Wireline and Photo)  
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Page 1: Baseline (Contextual Wireline and Photo)

### Marine and Aviation Transport Corridor Wireframes Project Option 1: 49 Turbine Layout

#### Index of Imagery

##### Ferry - Dublin to Douglas

Page 1: Pt 1 & Pt 2 Wireline

##### Ferry - Dublin to Hollyhead

Page 1: Pt 1 & Pt 2 Wireline

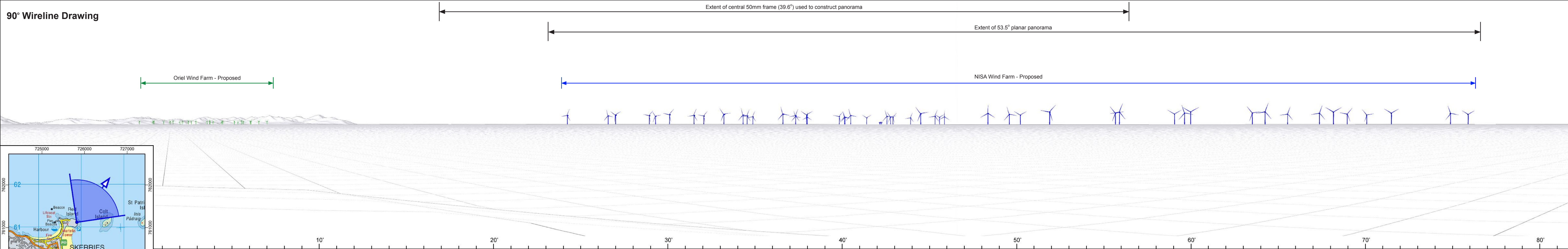
##### Aircraft - London GTW to Dublin

Page 1: Pt 1 & Pt 2 Wireline



90° Baseline Photograph

90° Wireline Drawing



VP24 (View 1) Baseline Photo and Wireline  
Amenity Area Skerries (Fingal),  
Co. Dublin

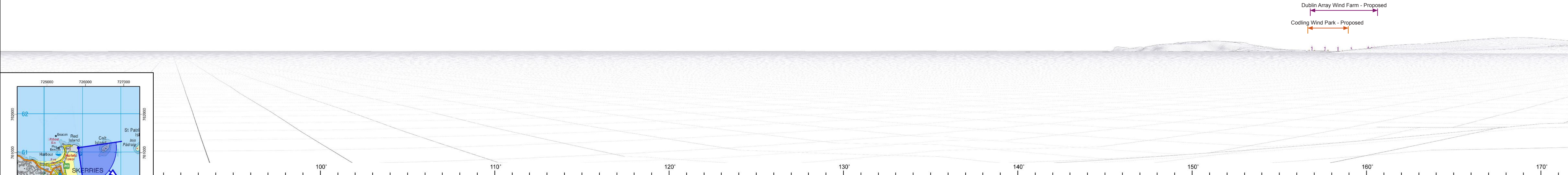
|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 725820  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 761125  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 8 m     | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 14-Apr-21 - 14:38     | Distance to Nearest | 13.2 km | Date        | January 2024 |

|   |                                      |   |
|---|--------------------------------------|---|
| Project:                                    | Client:                              | LVIA Consultant:  |
| North Irish Sea Array<br>Offshore Wind Farm | <b>NISA</b><br>North Irish Sea Array |  |



90° Baseline Photograph

90° Wireline Drawing



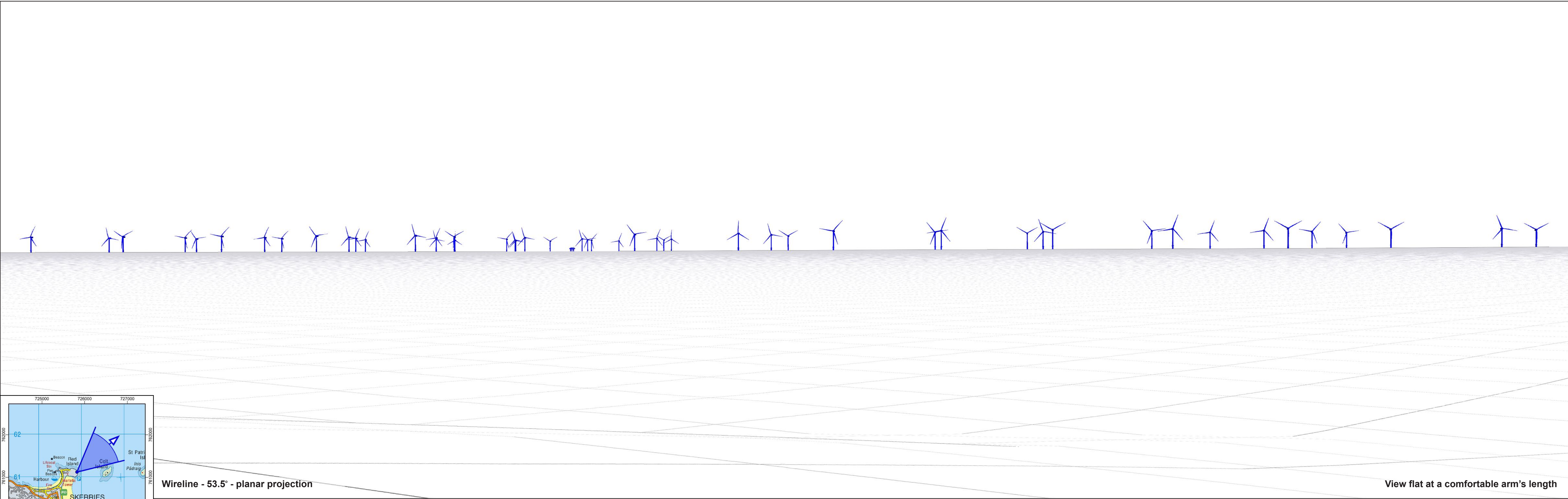
**VP24 (View 2)** Baseline Photo and Wireline  
**Amenity Area Skerries (Fingal),**  
**Co. Dublin**

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 725820  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 761125  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 8 m     | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 14-Apr-21 - 14:38     | Distance to Nearest | 13.2 km | Date        | January 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**


Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  

Wireline - 53.5° - planar projection


View flat at a comfortable arm's length

|   |                        |         |                         |             |                     |         |            |          |   |  |  |
|---|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|---|--|--|
| VP24<br>Wireline<br>Amenity Area Skerries (Fingal),<br>Co. Dublin | Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 725820  | Created by | NH       | Project:<br><br>North Irish Sea Array<br>Offshore Wind Farm | Client:<br><br><div>NISA<br/>North Irish Sea Array</div> | LVIA Consultant:<br><br><div></div> |
|   | Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 761125  | Checked by | RB       |   |  |  |
|   | Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 8 m     | Status     | Final    |   |  |  |
|   | Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 13.2 km | Date       | May 2024 |   |  |  |



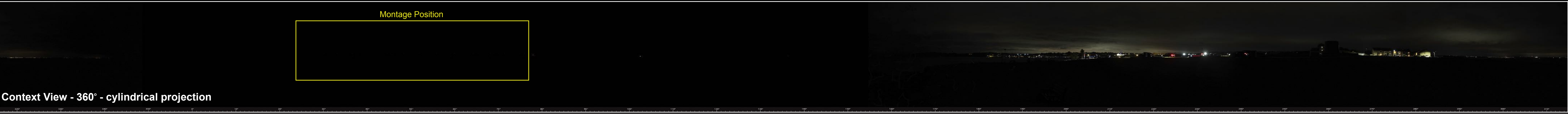
Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

|   |                        |         |                         |                       |                     |         |            |          |   |  |   |
|---|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|---|--|---|
| VP24<br>Photomontage<br>Amenity Area Skerries (Fingal),<br>Co. Dublin | Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 725820  | Created by | NH       | Project:<br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|   | Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 761125  | Checked by | RB       |   |  |   |
|   | Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 8 m     | Status     | Final    |   |  |   |
|   | Blade Tip Height       | 290.0 m | Date / Time of Capture  | 14-Apr-21 - 14:38     | Distance to Nearest | 13.2 km | Date       | May 2024 |   |  |   |

Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length



Context View - 360° - cylindrical projection

**VP24** Nighttime Photomontage  
**Amenity Area, Skerries (Fingal), Co. Dublin**

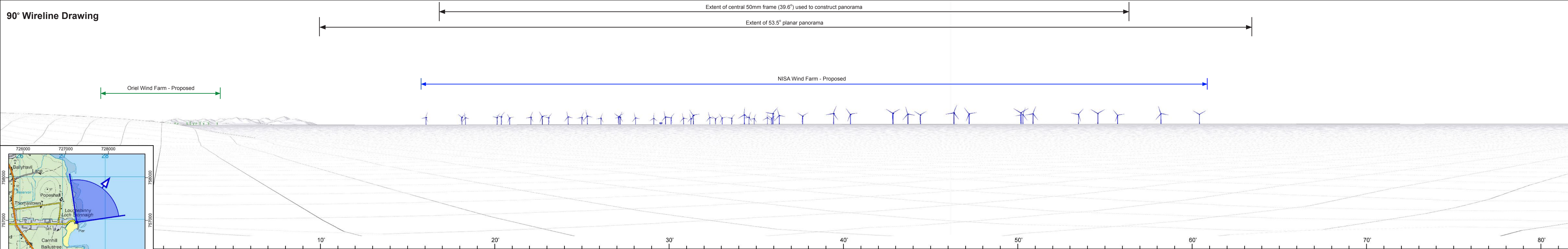
|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 725820  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 761125  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 8.0 m   | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 10-Oct-23 - 22:49     | <b>Distance to Nearest</b> | 13.2 km | <b>Date</b>       | May 2024 |

|   |  |   |
|---|--|---|
| Project:<br><b>North Irish Sea Array Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|---|--|---|



90° Baseline Photograph

90° Wireline Drawing



VP25 (View 1) Baseline Photo and Wireline  
Loughshinny (Fingal), Co. Dublin

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 727260  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 756955  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 4.8 m   | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 26-May-23 - 14:48     | Distance to Nearest | 14.5 km | Date        | January 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**

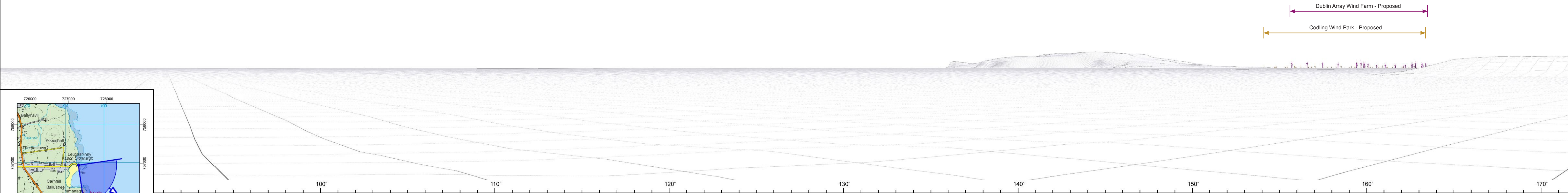
Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  

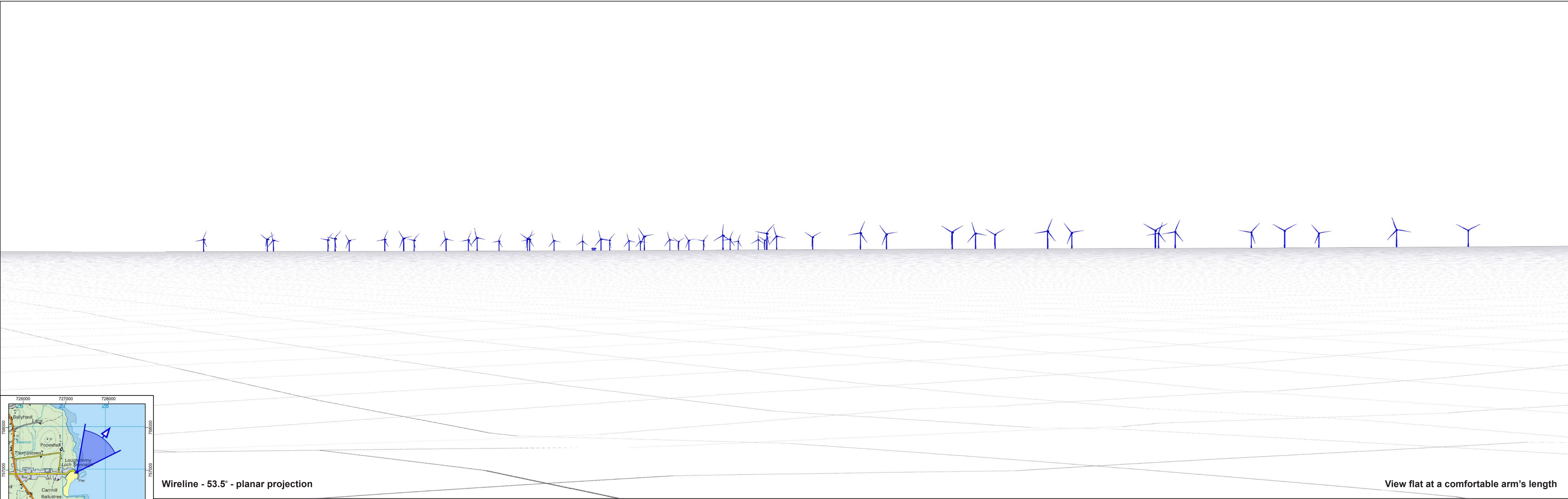



90° Baseline Photograph

90° Wireline Drawing



|   |                        |         |                         |                       |                     |         |             |              |   |   |  |
|---|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|---|---|--|
| VP25 (View 2) Baseline Photo and Wireline<br>Loughshinny (Fingal), Co. Dublin | Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 727260  | Prepared by | NH           | Project:<br><br>North Irish Sea Array<br>Offshore Wind Farm | Client:<br><br><div>NISA</div> <div>North Irish Sea Array</div> | LVIA Consultant:<br><br><div>macroworks</div> <div>APTEM Group</div> |
|   | Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 756955  | Checked by  | RB           |   |   |  |
|   | Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 4.8 m   | Status      | Final        |   |   |  |
|   | Blade Tip Height       | 290.0 m | Date / Time of Capture  | 26-May-23 - 14:48     | Distance to Nearest | 14.5 km | Date        | January 2024 |   |   |  |
|   |                        |         |                         |                       |                     |         |             |              |   |   |  |



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

|      |                                  |  |  |
|------|----------------------------------|--|--|
| VP25 | Wireline                         |  |  |
|      | Loughshinny (Fingal), Co. Dublin |  |  |
|      |                                  |  |  |
|      |                                  |  |  |

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 727260  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 756955  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 4.8 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 14.5 km | Date       | May 2024 |

|          |   |
|----------|---|
| Project: | North Irish Sea Array<br>Offshore Wind Farm |
|----------|---|

|         |                                      |
|---------|--------------------------------------|
| Client: | <b>NISA</b><br>North Irish Sea Array |
|---------|--------------------------------------|

|                  |   |
|------------------|---|
| LVIA Consultant: |  |
|------------------|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length



**VP25** Photomontage  
**Loughshinny (Fingal), Co. Dublin**

|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 727260  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 756955  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 4.8 m   | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 26-May-23 - 14:48     | <b>Distance to Nearest</b> | 14.5 km | <b>Date</b>       | May 2024 |

|          |   |         |   |                  |   |
|----------|---|---------|---|------------------|---|
| Project: | <b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|----------|---|---------|---|------------------|---|

Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length



Context View - 360° - cylindrical projection

**VP25** Nighttime Photomontage  
**Loughshinny (Fingal), Co. Dublin**

|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 727260  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 756955  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 6.5 m   | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 10-Oct-23 - 23:06     | <b>Distance to Nearest</b> | 14.5 km | <b>Date</b>       | May 2024 |

Project:

North Irish Sea Array  
Offshore Wind Farm

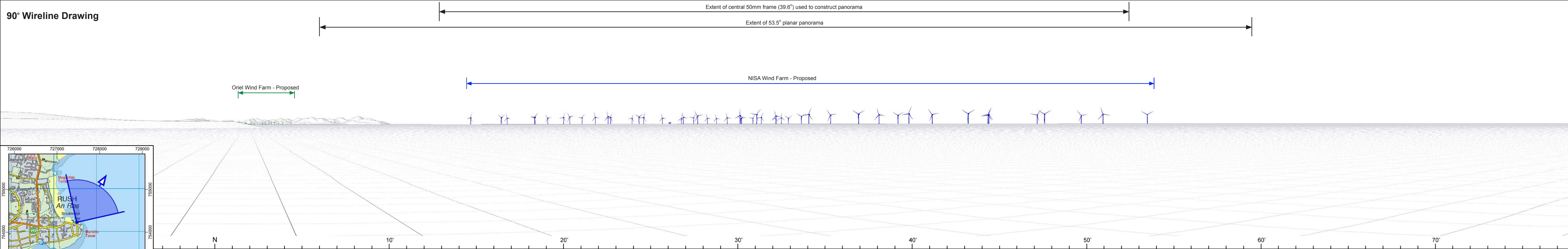
Client:

LVIA Consultant:



90° Baseline Photograph

90° Wireline Drawing



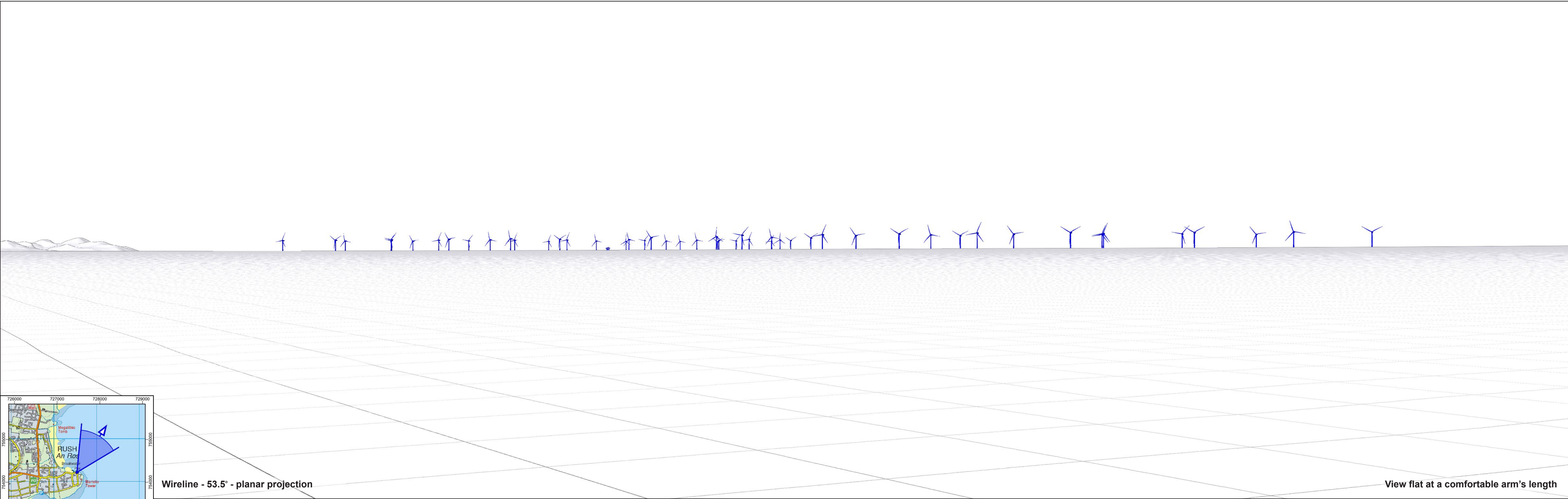
**VP26** Baseline Photo and Wireline  
**Coast Road Rush (Fingal),  
Co. Dublin**

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 727465  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 754233  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 9.2 m   | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 14-Apr-21 - 15:19     | Distance to Nearest | 16.3 km | Date        | January 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**

Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  

**VP26** Wireline  
**Coast Road Rush (Fingal),  
Co. Dublin**

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 727465  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 754233  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 9.2 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 16.3 km | Date       | May 2024 |

|   |  |   |
|---|--|---|
| Project:<br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|---|--|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP26** Photomontage  
**Coast Road Rush (Fingal),**  
**Co. Dublin**

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 727465  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 754233  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 9.2 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 14-Apr-21 - 15:19     | Distance to Nearest | 16.3 km | Date       | May 2024 |

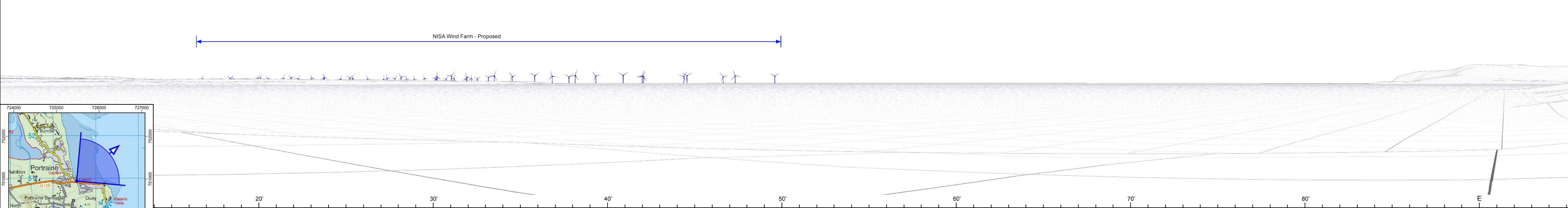
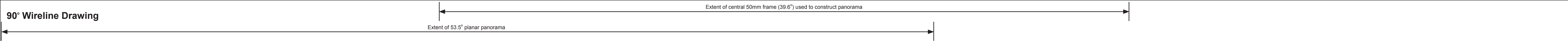
Project:  
**North Irish Sea Array**  
**Offshore Wind Farm**

Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  




90° Baseline Photograph



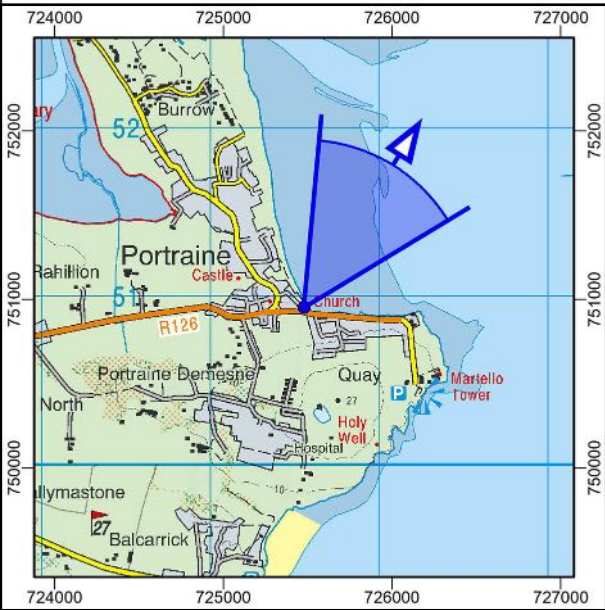
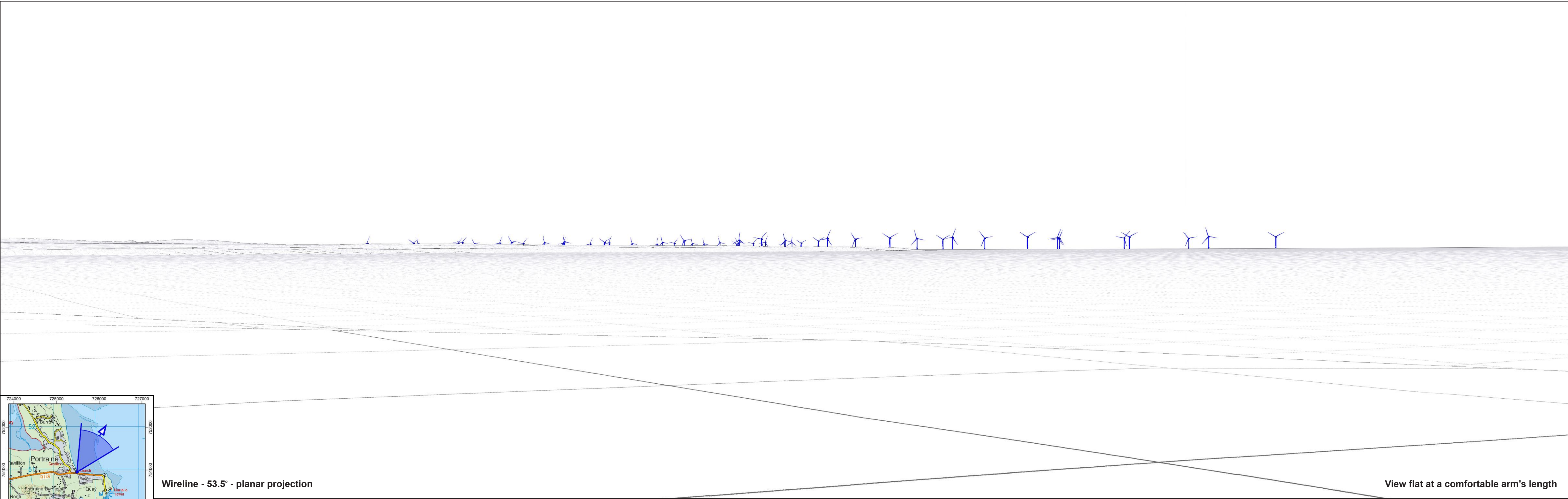
**VP27** Baseline Photo and Wireline  
**Portrane (Fingal), Co. Dublin**

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 725479  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 750952  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 5.8 m   | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 14-Apr-21 - 15:54     | Distance to Nearest | 20.1 km | Date        | January 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**

Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  

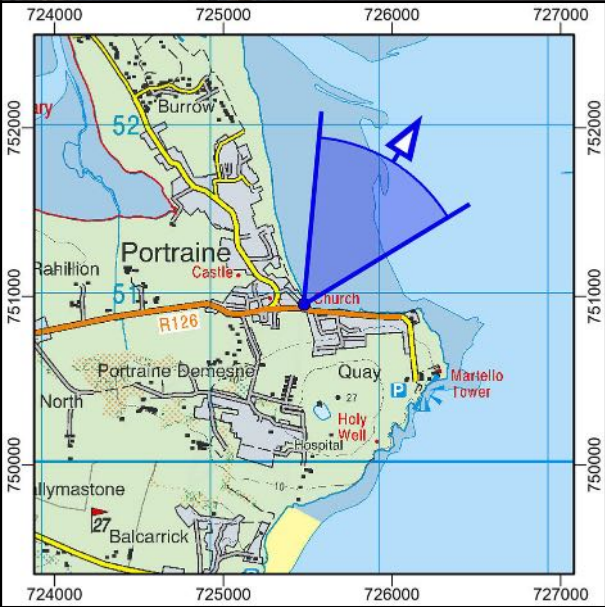
Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

**VP27** Wireline  
**Portrane (Fingal), Co. Dublin**

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 725479  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 750952  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 5.8 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 20.1 km | Date       | May 2024 |

|   |  |   |
|---|--|---|
| Project:<br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|---|--|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP27** Photomontage  
**Portrane (Fingal), Co. Dublin**

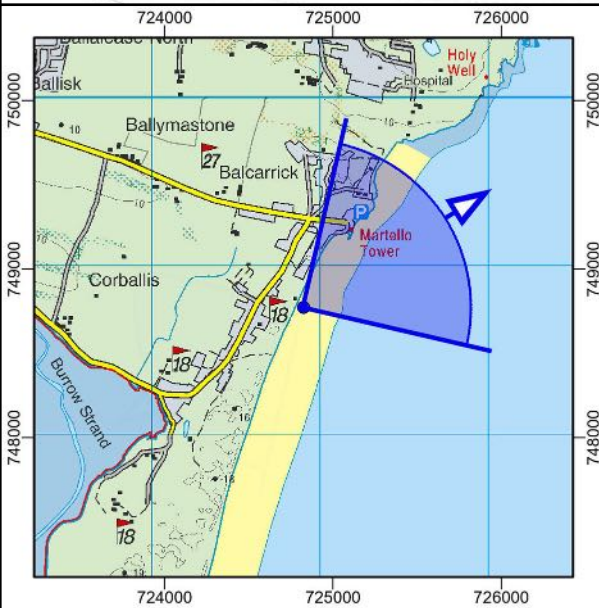
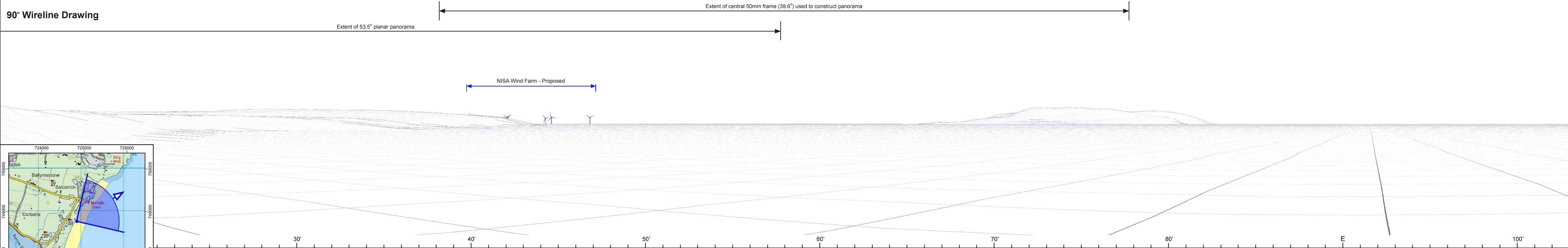
|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 725479  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 750952  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 5.8 m   | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 14-Apr-21 - 15:54     | <b>Distance to Nearest</b> | 20.1 km | <b>Date</b>       | May 2024 |

|          |   |         |   |                  |   |
|----------|---|---------|---|------------------|---|
| Project: | <b>North Irish Sea Array Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|----------|---|---------|---|------------------|---|



90° Baseline Photograph

90° Wireline Drawing



VP28 (View 1) Baseline Photo and Wireline  
Donabate Beach (Fingal), Co. Dublin

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 724825  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 748773  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 2.3 m   | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 26-May-23 - 13:49     | Distance to Nearest | 22.2 km | Date        | January 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**

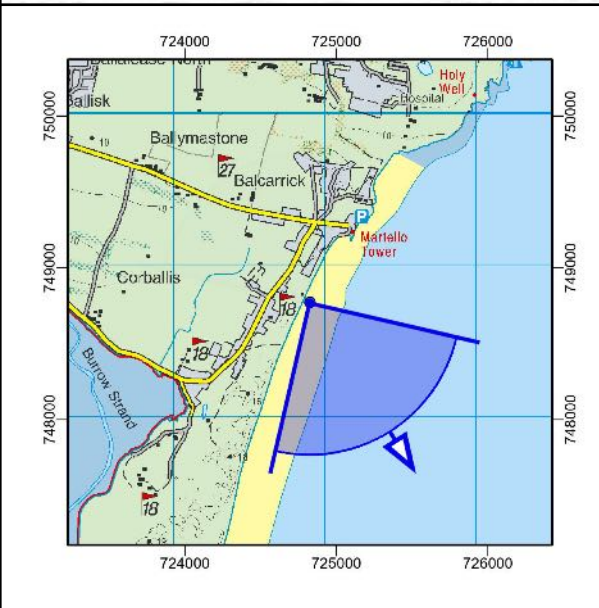
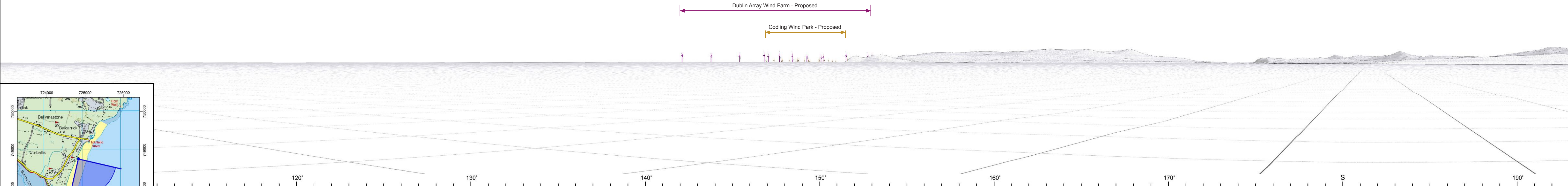
Client:  
**NISA**  
*North Irish Sea Array*


LVIA Consultant:  

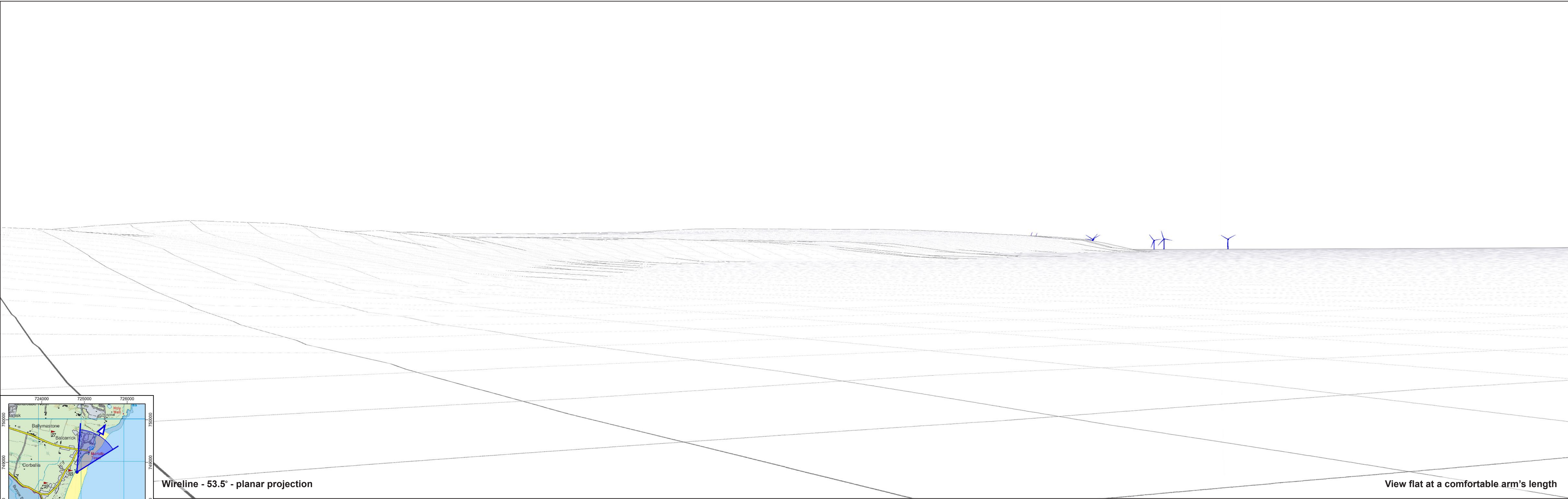



90° Baseline Photograph

90° Wireline Drawing



|  |  |                               |         |                                |                       |                            |         |                    |              |  |   |  |
|--|--|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|--------------------|--------------|--|---|--|
| <b>VP28 (View 2) Baseline Photo and Wireline<br/>Donabate Beach (Fingal), Co. Dublin</b> |  | <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 724825  | <b>Prepared by</b> | NH           | <b>Project:</b><br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | <b>Client:</b><br><b>NISA</b><br><i>North Irish Sea Array</i> | <b>LVIA Consultant:</b><br> |
|  |  | <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 748773  | <b>Checked by</b>  | RB           |  |   |  |
|  |  | <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 90.0 x 14.2           | <b>Elevation / Cam Ht</b>  | 2.3 m   | <b>Status</b>      | Final        |  |   |  |
|  |  | <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 26-May-23 - 13:49     | <b>Distance to Nearest</b> | 22.2 km | <b>Date</b>        | January 2024 |  |   |  |



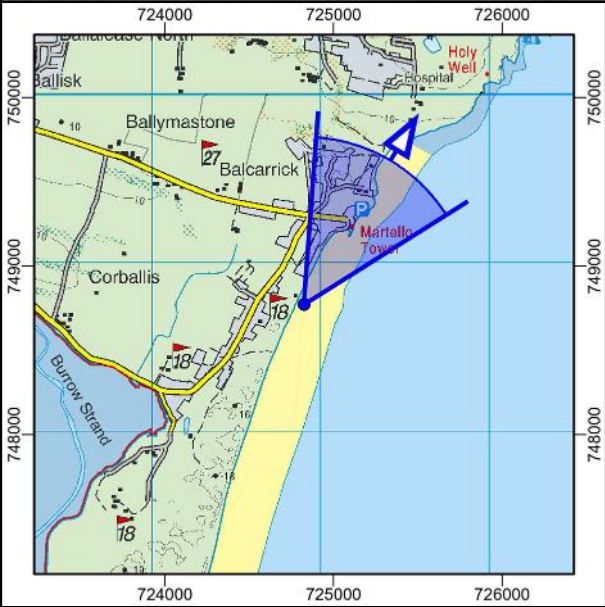
Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

|                                     |          |
|-------------------------------------|----------|
| VP28                                | Wireline |
| Donabate Beach (Fingal), Co. Dublin |          |

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 724825  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 748773  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 2.3 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 22.2 km | Date       | May 2024 |

|   |  |   |
|---|--|---|
| Project:                                    | Client:  | LVIA Consultant:  |
| North Irish Sea Array<br>Offshore Wind Farm | <br>North Irish Sea Array | <br>macroworks<br>APRM Group |



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

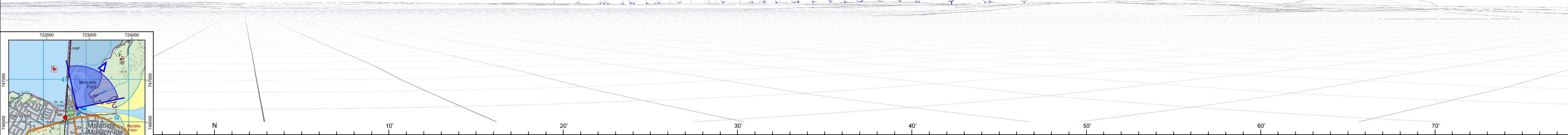
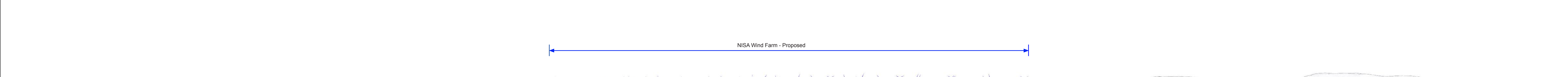
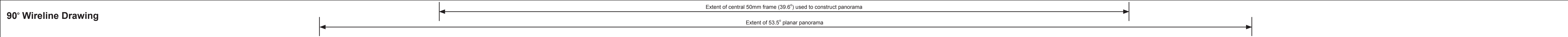
|      |                                     |  |
|------|-------------------------------------|--|
| VP28 | Photomontage                        |  |
|      | Donabate Beach (Fingal), Co. Dublin |  |
|      |                                     |  |
|      |                                     |  |

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 724825  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 748773  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 2.3 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 26-May-23 - 13:49     | Distance to Nearest | 22.2 km | Date       | May 2024 |

|          |  |
|----------|--|
| Project: | North Irish Sea Array Offshore Wind Farm |
|----------|--|

|         |                                      |
|---------|--------------------------------------|
| Client: | <b>NISA</b><br>North Irish Sea Array |
|---------|--------------------------------------|

|                  |   |
|------------------|---|
| LVIA Consultant: |  |
|------------------|---|



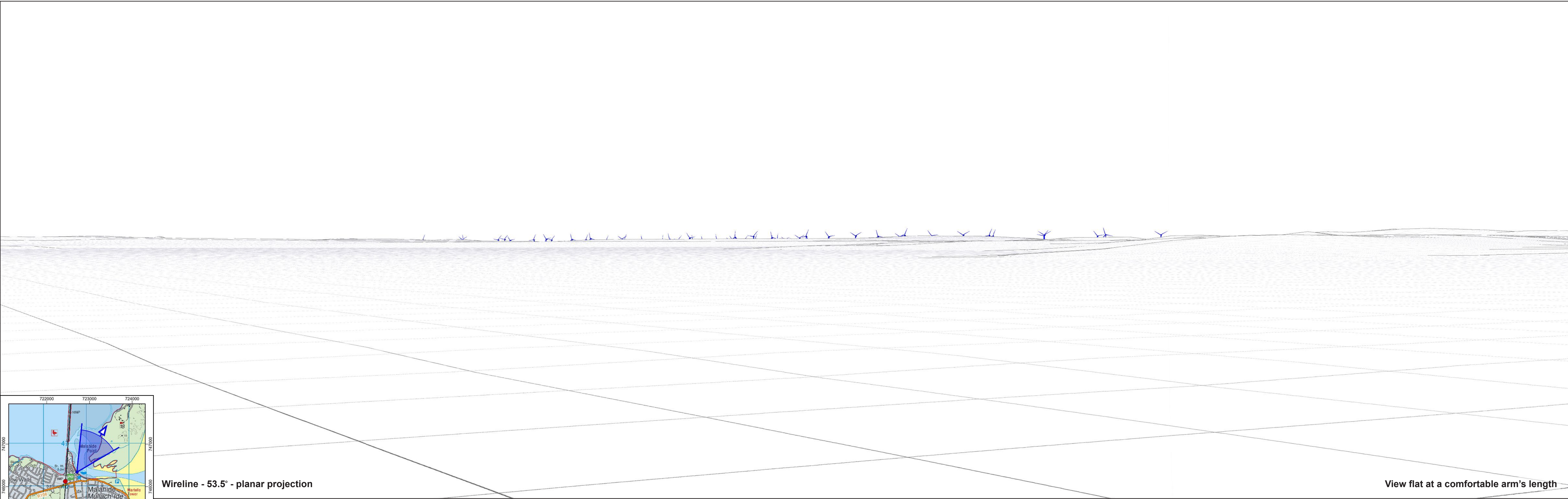
**VP29** Baseline Photo and Wireline  
**Malahide (Fingal), Co. Dublin**

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 722708  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 746343  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 3.1 m   | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 18-Nov-22 - 12:40     | Distance to Nearest | 25.4 km | Date        | January 2024 |

Project: **North Irish Sea Array  
Offshore Wind Farm**

Client: **NISA**  
*North Irish Sea Array*

LVIA Consultant:



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP29

Wireline  
Malahide (Fingal), Co. Dublin

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 722708  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 746343  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 3.1 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 25.4 km | Date       | May 2024 |

Project:

North Irish Sea Array  
Offshore Wind Farm

Client:

NISA

North Irish Sea Array

LVIA Consultant:

macroworks

APRM Group



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP29**      Photomontage  
**Malahide (Fingal), Co. Dublin**

|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 722708  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 746343  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 3.1 m   | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 18-Nov-22 - 12:40     | <b>Distance to Nearest</b> | 25.4 km | <b>Date</b>       | May 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**

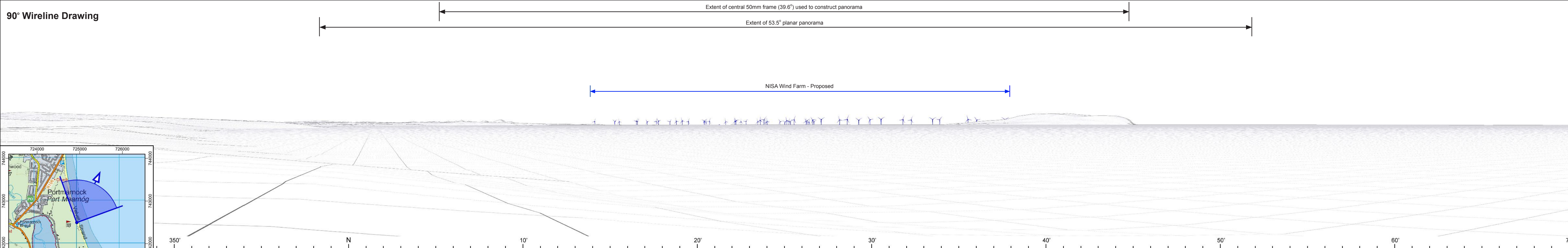
Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  

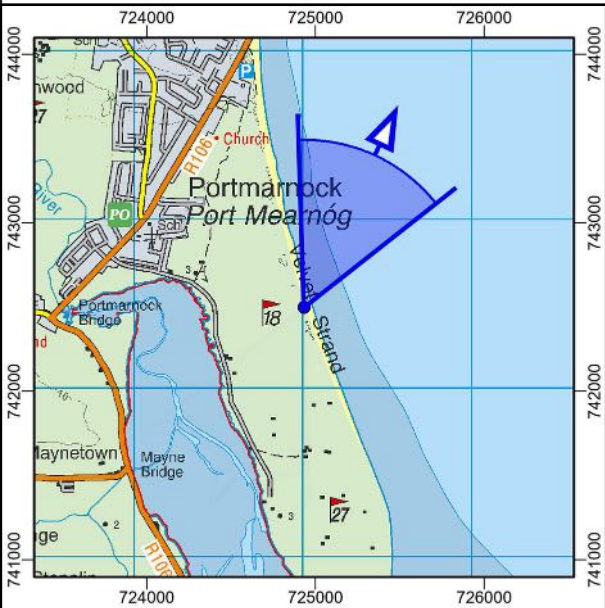
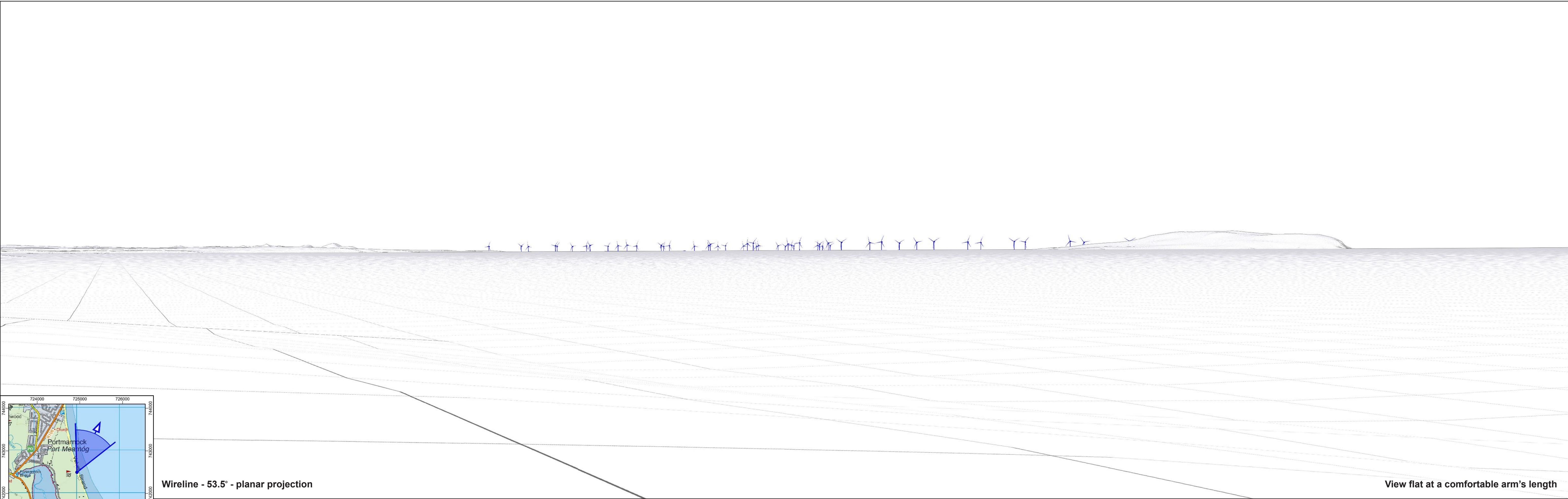



90° Baseline Photograph

90° Wireline Drawing



|   |                        |         |                         |                       |                     |         |             |              |   |  |  |
|---|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|---|--|--|
| VP30 Baseline Photo and Wireline<br>Portmarnock Beach (Fingal),<br>Co. Dublin | Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 724933  | Prepared by | NH           | Project:<br><br>North Irish Sea Array<br>Offshore Wind Farm | Client:<br><br><div>NISA<br/>North Irish Sea Array</div> | LVIA Consultant:<br><br><div>macroworks<br/>APEM Group</div> |
|   | Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 742498  | Checked by  | RB           |   |  |  |
|   | Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 7.75 m  | Status      | Final        |   |  |  |
|   | Blade Tip Height       | 290.0 m | Date / Time of Capture  | 14-Apr-21 - 16:59     | Distance to Nearest | 27.4 km | Date        | January 2024 |   |  |  |
|   |                        |         |                         |                       |                     |         |             |              |   |  |  |



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

**VP30** Wireline  
**Portmarnock Beach (Fingal),**  
**Co. Dublin**

|                               |         |                                |             |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | N/A         | <b>Easting (ITM)</b>       | 724933  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | N/A         | <b>Northing (ITM)</b>      | 742498  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2 | <b>Elevation / Cam Ht</b>  | 7.75 m  | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | N/A         | <b>Distance to Nearest</b> | 27.4 km | <b>Date</b>       | May 2024 |

|          |   |         |   |                  |   |
|----------|---|---------|---|------------------|---|
| Project: | <b>North Irish Sea Array</b><br><b>Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|----------|---|---------|---|------------------|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP30** Photomontage  
**Portmarnock Beach (Fingal),**  
**Co. Dublin**

|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 724933  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 742498  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 7.75 m  | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 14-Apr-21 - 16:59     | <b>Distance to Nearest</b> | 27.4 km | <b>Date</b>       | May 2024 |

Project:  
**North Irish Sea Array**  
**Offshore Wind Farm**

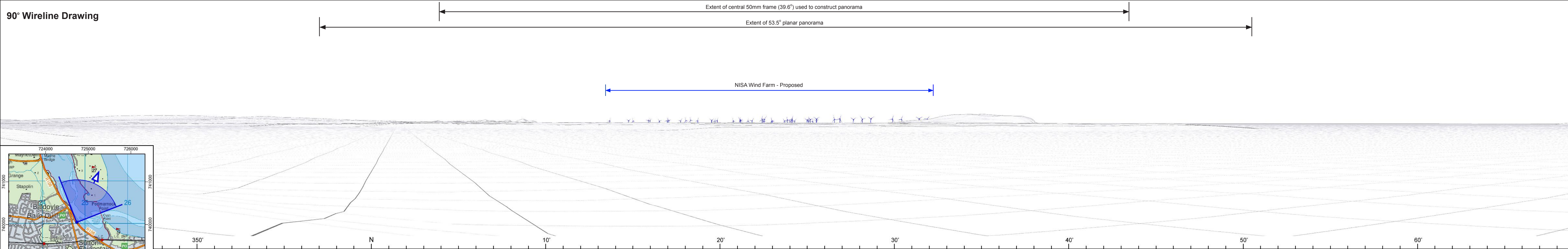
Client:  
**NISA**  
*North Irish Sea Array*


LVIA Consultant:  

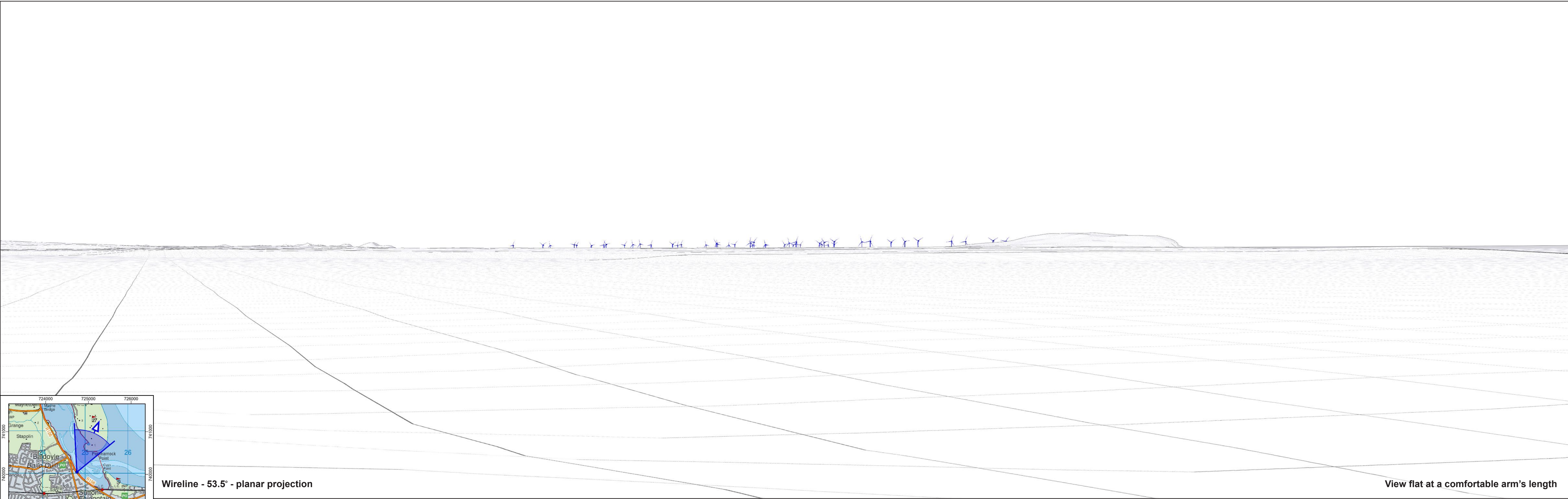



90° Baseline Photograph

90° Wireline Drawing



|   |                               |         |                                |                       |                            |         |                    |              |  |   |  |
|---|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|--------------------|--------------|--|---|--|
| <b>VP31</b> Baseline Photo and Wireline<br><b>Sutton Promenade (Fingal),<br/>Co. Dublin</b> | <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 724732  | <b>Prepared by</b> | NH           | <b>Project:</b><br><br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | <b>Client:</b><br><br><b>NISA</b><br><i>North Irish Sea Array</i> | <b>LVIA Consultant:</b><br><br> |
|   | <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 740052  | <b>Checked by</b>  | RB           |  |   |  |
|   | <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 90.0 x 14.2           | <b>Elevation / Cam Ht</b>  | 3.8 m   | <b>Status</b>      | Final        |  |   |  |
|   | <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 18-Nov-22 - 12:10     | <b>Distance to Nearest</b> | 29.7 km | <b>Date</b>        | January 2024 |  |   |  |
|   |                               |         |                                |                       |                            |         |                    |              |  |   |  |



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

**VP31** Wireline  
**Sutton Promenade (Fingal),**  
**Co. Dublin**

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 724732  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 740052  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 3.8 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 29.7 km | Date       | May 2024 |

Project:  
**North Irish Sea Array**  
**Offshore Wind Farm**

Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  




Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP31** Photomontage  
**Sutton Promenade (Fingal),**  
**Co. Dublin**

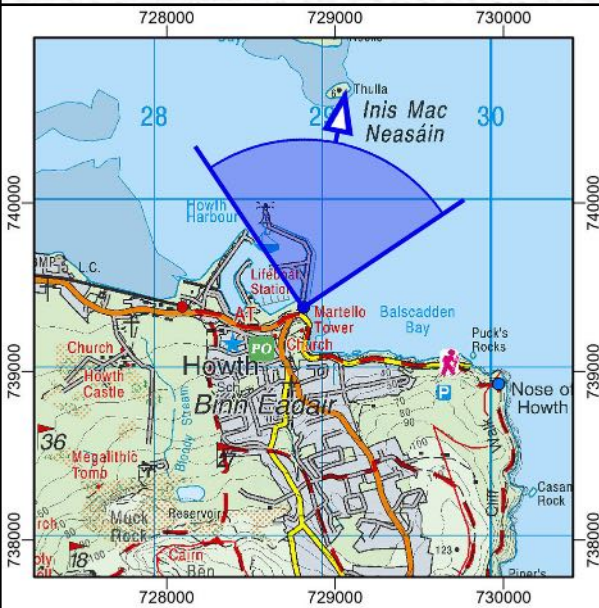
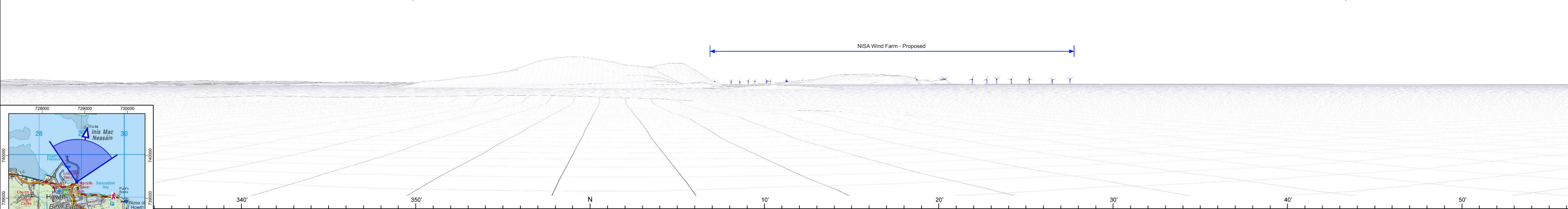
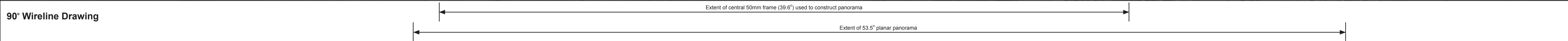
|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 724732  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 740052  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 3.8 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 18-Nov-22 - 12:10     | Distance to Nearest | 29.7 km | Date       | May 2024 |

|          |   |         |   |                  |   |
|----------|---|---------|---|------------------|---|
| Project: | <b>North Irish Sea Array</b><br><b>Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|----------|---|---------|---|------------------|---|



90° Baseline Photograph

90° Wireline Drawing



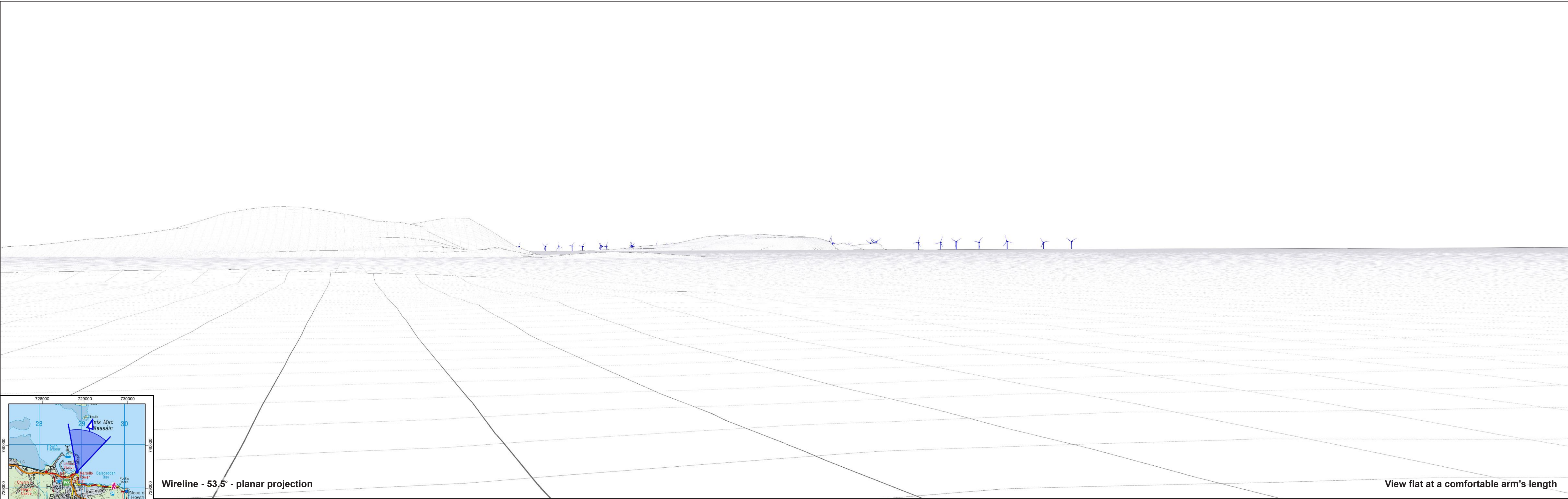
**VP32** Baseline Photo and Wireline  
Howth Harbour (Fingal), Co. Dublin

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 728813  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 739380  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 7 m     | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 21-Jul-21 - 11:18     | Distance to Nearest | 28.6 km | Date        | January 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**

Client:  
**NISA**  
North Irish Sea Array

LVIA Consultant:



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

|                                    |          |
|------------------------------------|----------|
| VP32                               | Wireline |
| Howth Harbour (Fingal), Co. Dublin |          |

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 728813  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 739380  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 7 m     | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 28.6 km | Date       | May 2024 |

|   |   |   |
|---|---|---|
| Project:                                    | Client:   | LVIA Consultant:  |
| North Irish Sea Array<br>Offshore Wind Farm |  |  |



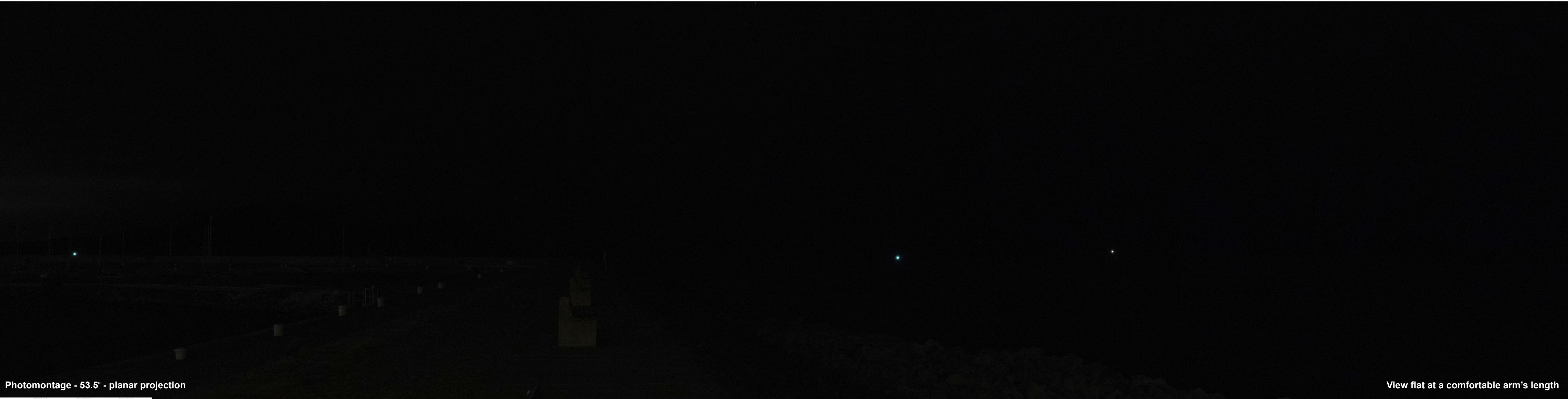
Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

|                                    |              |
|------------------------------------|--------------|
| VP32                               | Photomontage |
| Howth Harbour (Fingal), Co. Dublin |              |

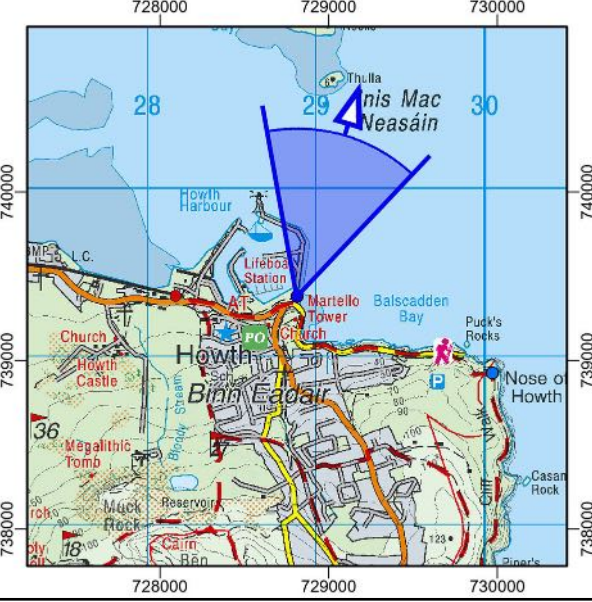
|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 728813  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 739380  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 7 m     | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 21-Jul-21 - 11:18     | Distance to Nearest | 28.6 km | Date       | May 2024 |

|   |   |   |
|---|---|---|
| Project:                                    | Client:   | LVIA Consultant:  |
| North Irish Sea Array<br>Offshore Wind Farm |  |  |



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length



Context View - 360° - cylindrical projection

**VP32** Nighttime Photomontage  
Howth Harbour (Fingal), Co. Dublin

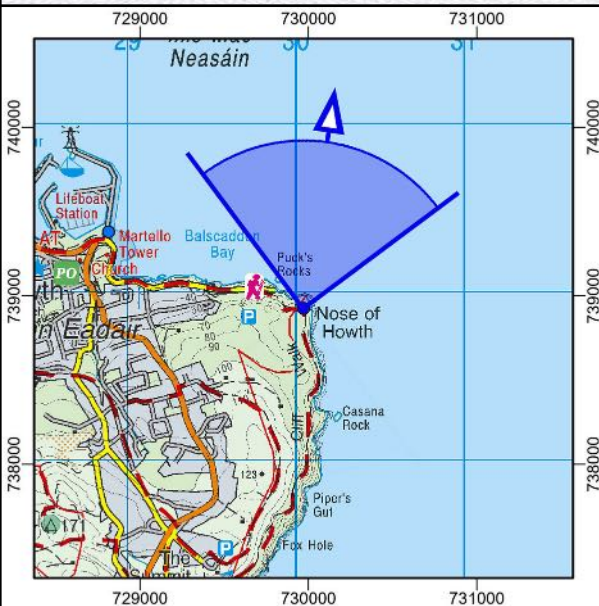
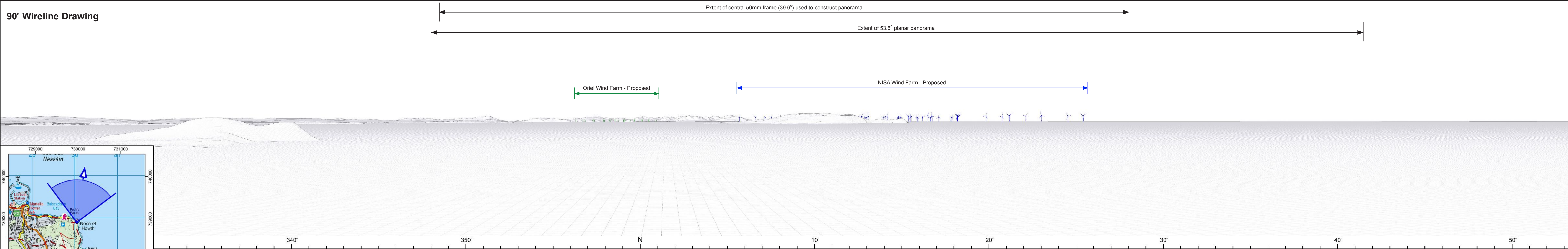
|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 728813  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 739380  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 7.7 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 10-Oct-23 - 23:49     | Distance to Nearest | 28.6 km | Date       | May 2024 |

|   |                                      |                          |
|---|--------------------------------------|--------------------------|
| Project:                                    | Client:                              | LVIA Consultant:         |
| North Irish Sea Array<br>Offshore Wind Farm | <b>NISA</b><br>North Irish Sea Array | macroworks<br>APEM Group |



90° Baseline Photograph

90° Wireline Drawing



VP33 (View 1) Baseline Photo and Wireline  
Howth Head (Fingal), Co. Dublin

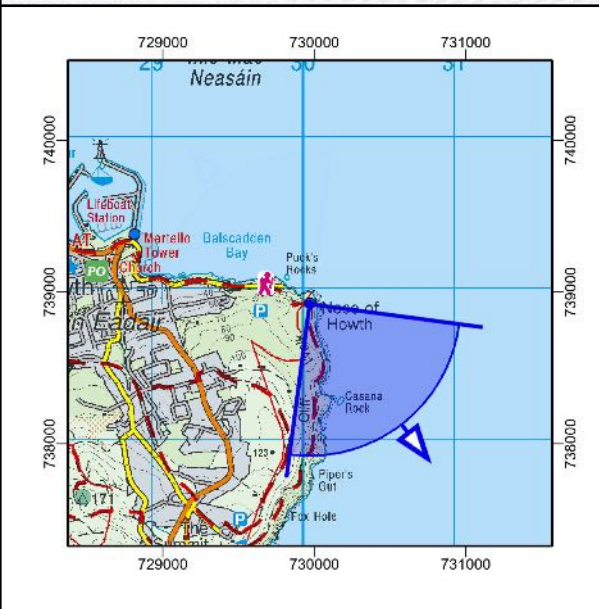
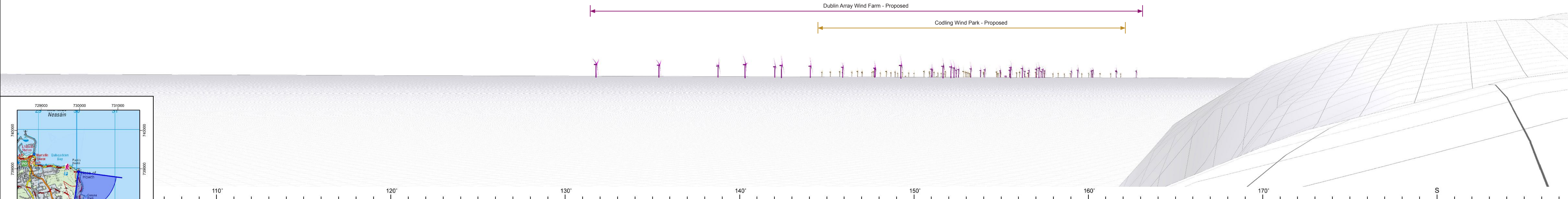
|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 729971  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 738925  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 56.8 m  | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 18-Nov-22 - 11:07     | Distance to Nearest | 28.6 km | Date        | January 2024 |

|   |                                      |   |
|---|--------------------------------------|---|
| Project:                                    | Client:                              | LVIA Consultant:  |
| North Irish Sea Array<br>Offshore Wind Farm | <b>NISA</b><br>North Irish Sea Array |  |



90° Baseline Photograph

90° Wireline Drawing



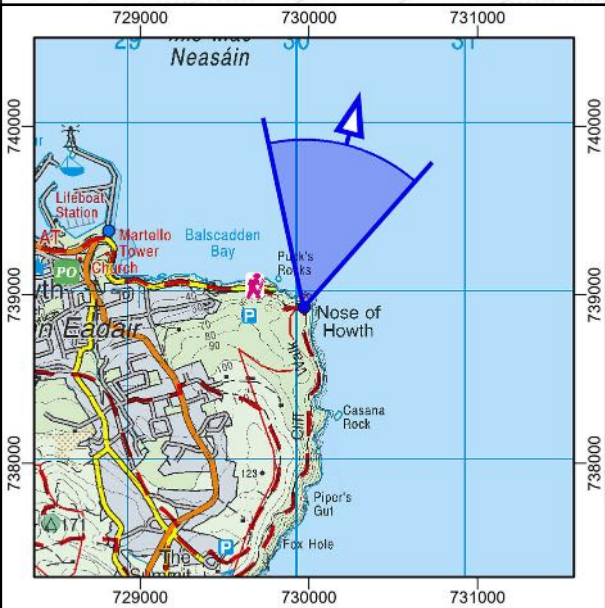
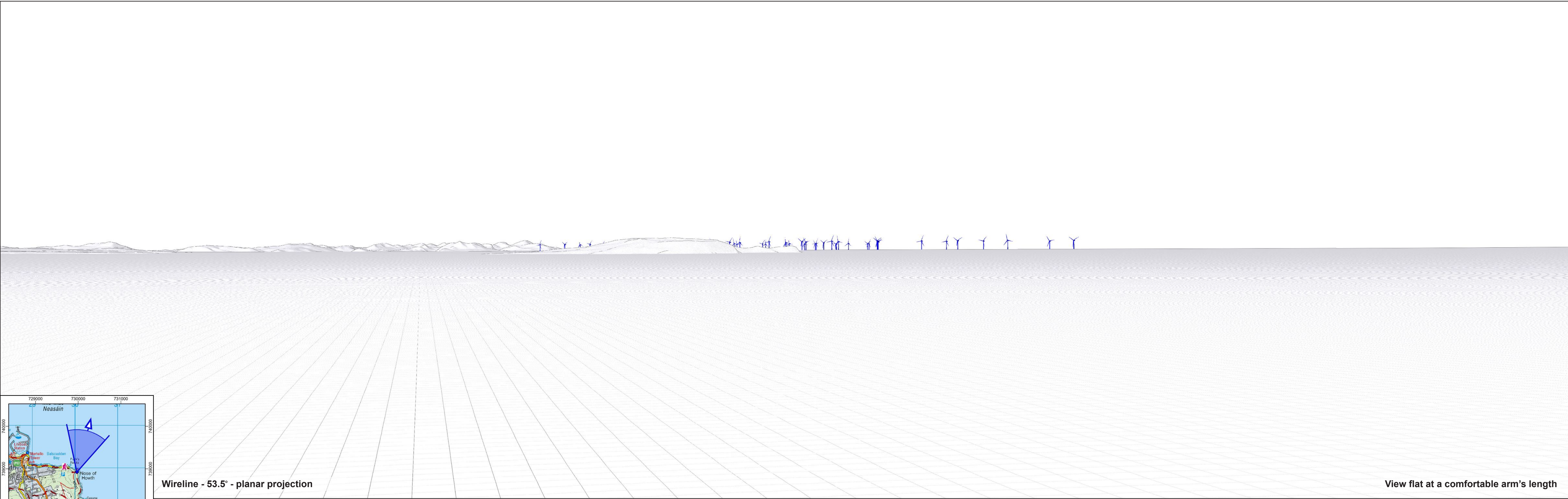
**VP33 (View 2) Baseline Photo and Wireline**  
**Howth Head (Fingal), Co. Dublin**

|                               |         |                                |                       |                            |         |                    |              |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|--------------------|--------------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 729971  | <b>Prepared by</b> | NH           |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 738925  | <b>Checked by</b>  | RB           |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 90.0 x 14.2           | <b>Elevation / Cam Ht</b>  | 56.8 m  | <b>Status</b>      | Final        |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 18-Nov-22 - 11:07     | <b>Distance to Nearest</b> | 28.6 km | <b>Date</b>        | January 2024 |

Project: **North Irish Sea Array**  
**Offshore Wind Farm**

Client: **NISA**  
*North Irish Sea Array*

LVIA Consultant: 



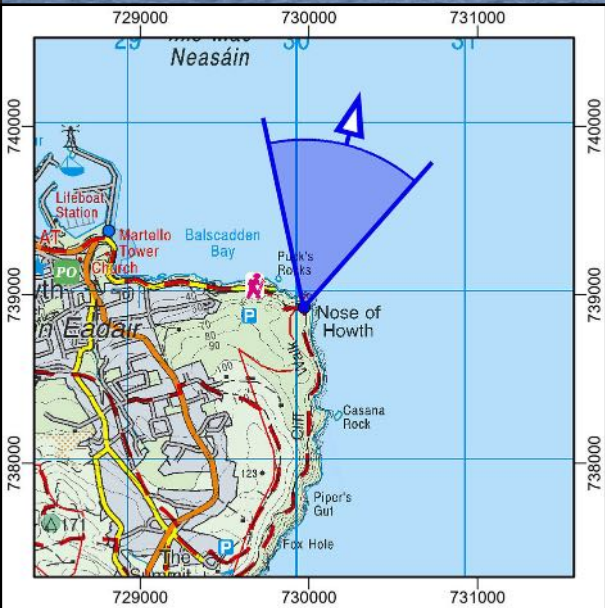
Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

|                                 |          |
|---------------------------------|----------|
| VP33                            | Wireline |
| Howth Head (Fingal), Co. Dublin |          |

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 729971  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 738925  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 56.8 m  | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 28.6 km | Date       | May 2024 |

|   |   |   |
|---|---|---|
| Project:                                    | Client:   | LVIA Consultant:  |
| North Irish Sea Array<br>Offshore Wind Farm |  |  |



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP33** Photomontage  
**Howth Head (Fingal), Co. Dublin**

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 729971  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 738925  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 56.8 m  | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 18-Nov-22 - 11:07     | Distance to Nearest | 28.6 km | Date       | May 2024 |

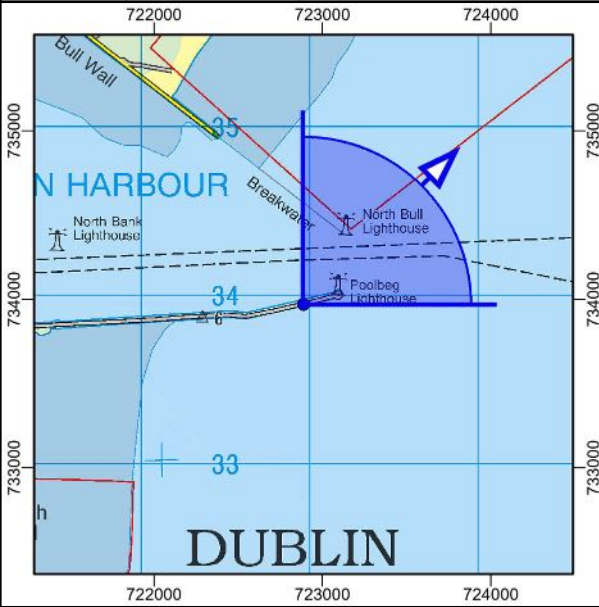
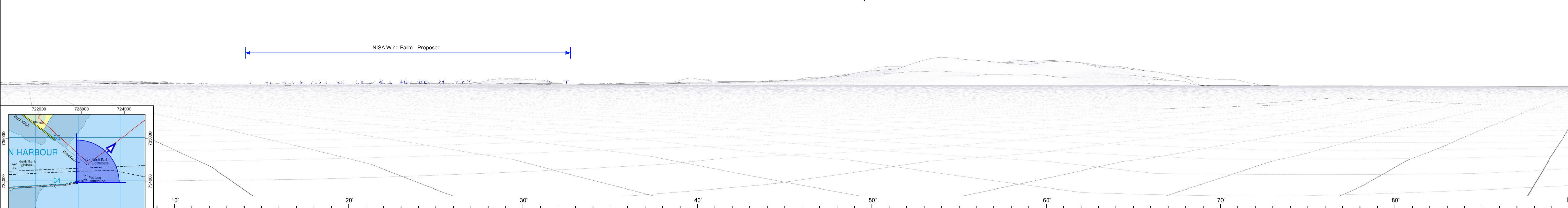
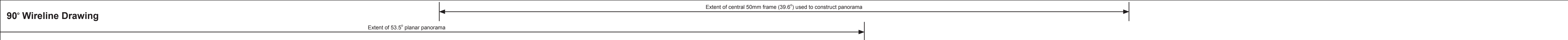
Project:  
**North Irish Sea Array  
Offshore Wind Farm**

Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  




90° Baseline Photograph



VP34 (View 1) Baseline Photo and Wireline  
Great South Wall at Poolbeg Light-house (Dublin City), Co. Dublin

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 722888  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 733969  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 3.5 m   | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 16-Nov-22 - 13:47     | Distance to Nearest | 36.0 km | Date        | January 2024 |

Project: **North Irish Sea Array Offshore Wind Farm**

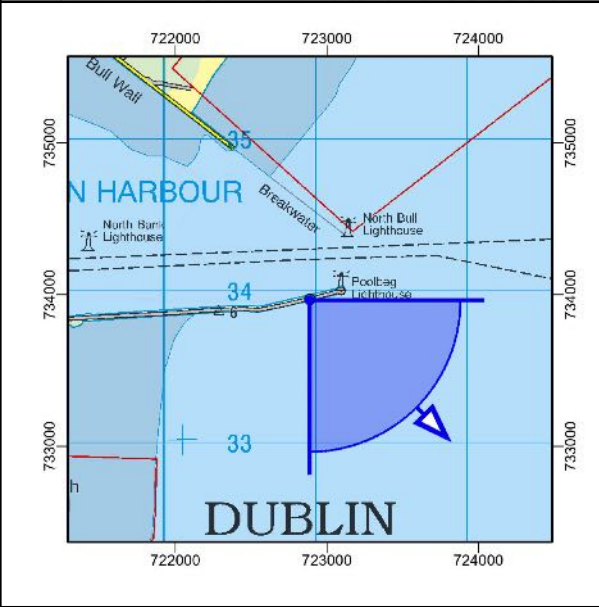
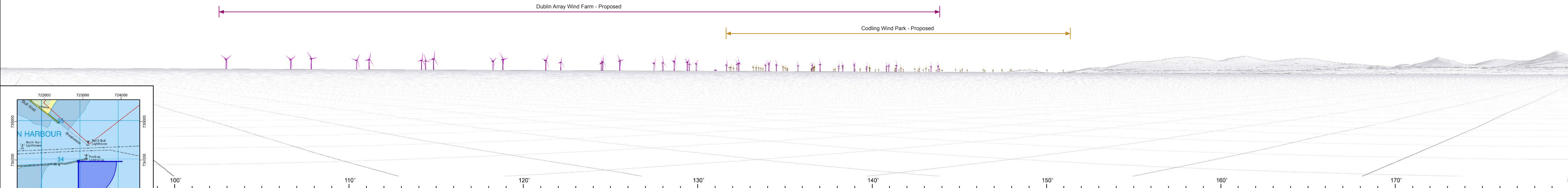
Client: **NISA**  
North Irish Sea Array

LVIA Consultant:



90° Baseline Photograph

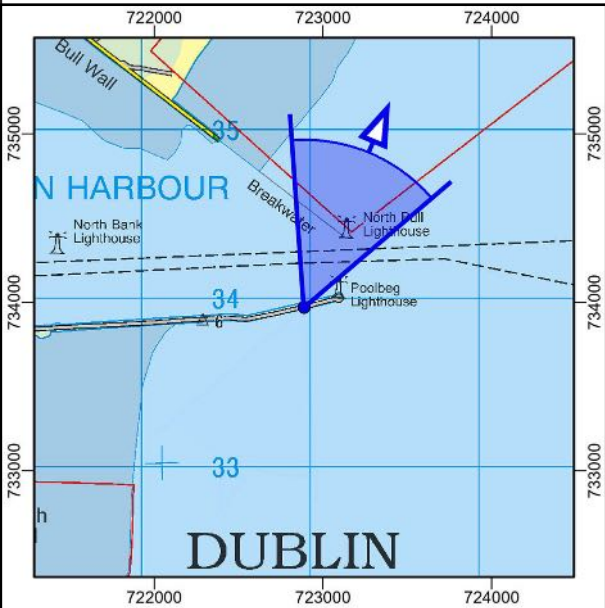
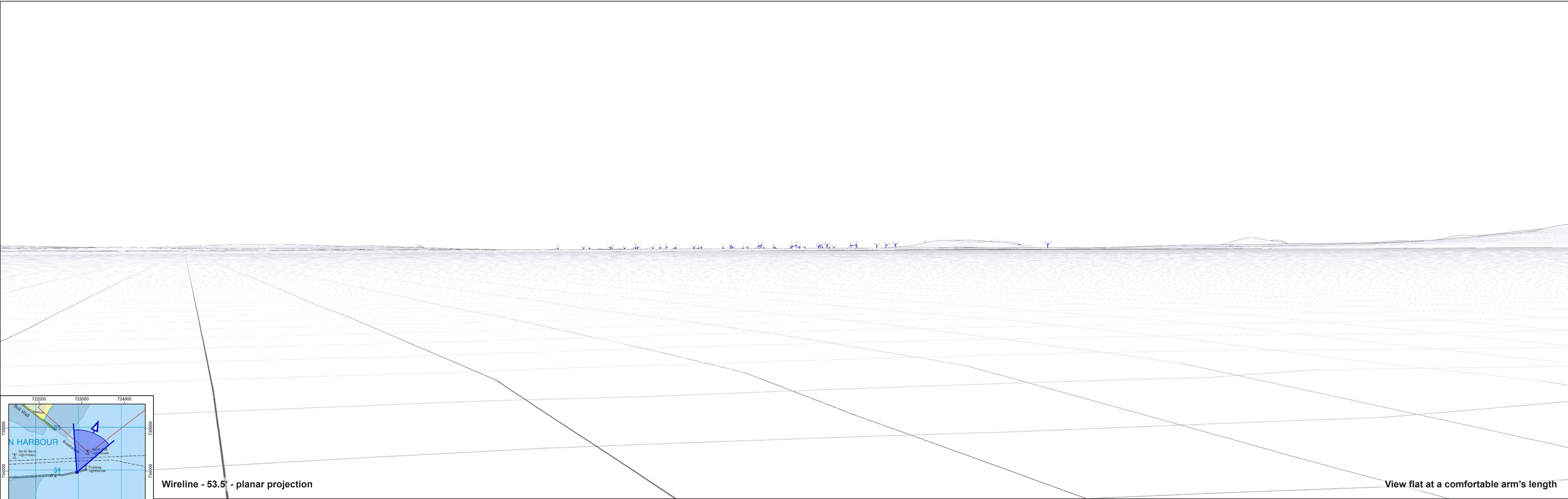
90° Wireline Drawing



**VP34 (View 2) Baseline Photo and Wireline**  
**Great South Wall at Poolbeg Light-**  
**house (Dublin City), Co. Dublin**

|                               |         |                                |                       |                            |         |                    |              |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|--------------------|--------------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 722888  | <b>Prepared by</b> | NH           |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 733969  | <b>Checked by</b>  | RB           |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 90.0 x 14.2           | <b>Elevation / Cam Ht</b>  | 3.5 m   | <b>Status</b>      | Final        |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 16-Nov-22 - 13:47     | <b>Distance to Nearest</b> | 36.0 km | <b>Date</b>        | January 2024 |

|          |   |         |   |                  |  |
|----------|---|---------|---|------------------|--|
| Project: | <b>North Irish Sea Array</b><br><b>Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|          |   |         |   |                  |  |



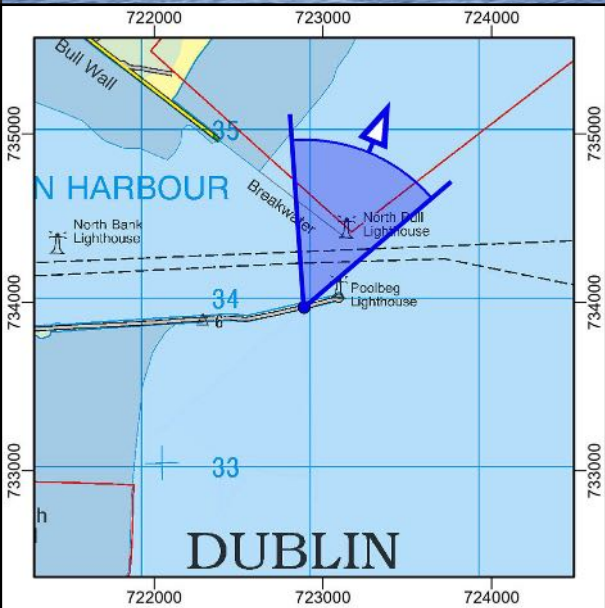
Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

**VP34** Wireline  
Great South Wall at Poolbeg Light-house (Dublin City), Co. Dublin

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 722888  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 733969  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 3.5 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 36.0 km | Date       | May 2024 |

|   |  |   |
|---|--|---|
| Project:<br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|---|--|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP34** Photomontage  
**Great South Wall at Poolbeg Light-house (Dublin City), Co. Dublin**

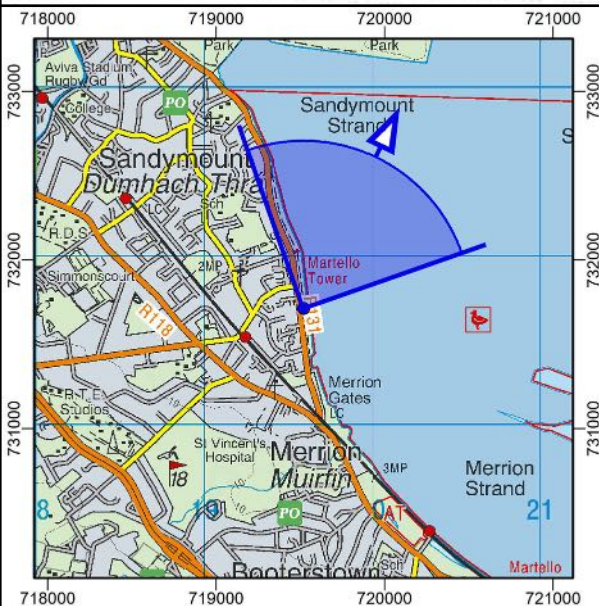
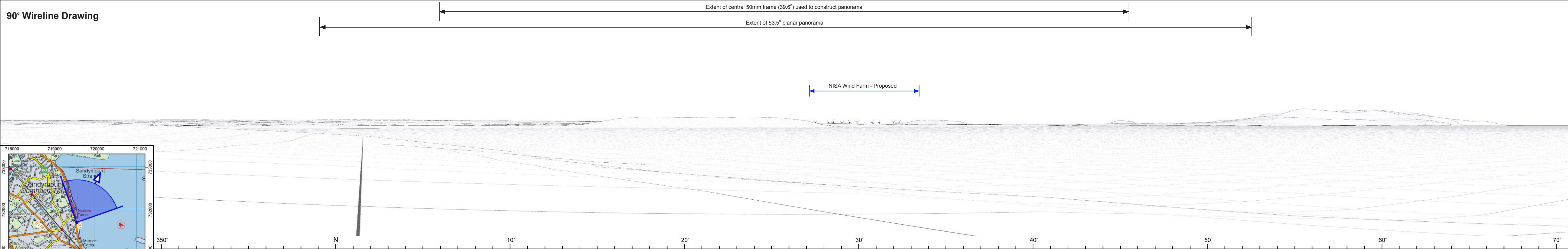
|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 722888  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 733969  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 3.5 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 16-Nov-22 - 13:47     | Distance to Nearest | 36.0 km | Date       | May 2024 |

|          |   |         |   |                  |  |
|----------|---|---------|---|------------------|--|
| Project: | <b>North Irish Sea Array Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|----------|---|---------|---|------------------|--|



90° Baseline Photograph

90° Wireline Drawing



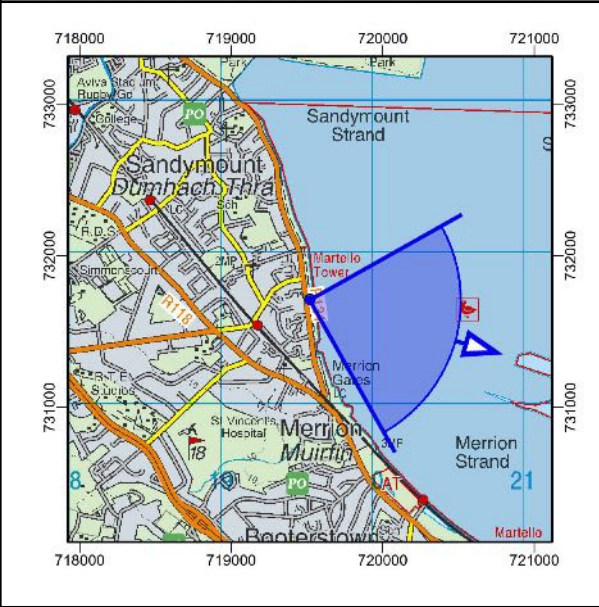
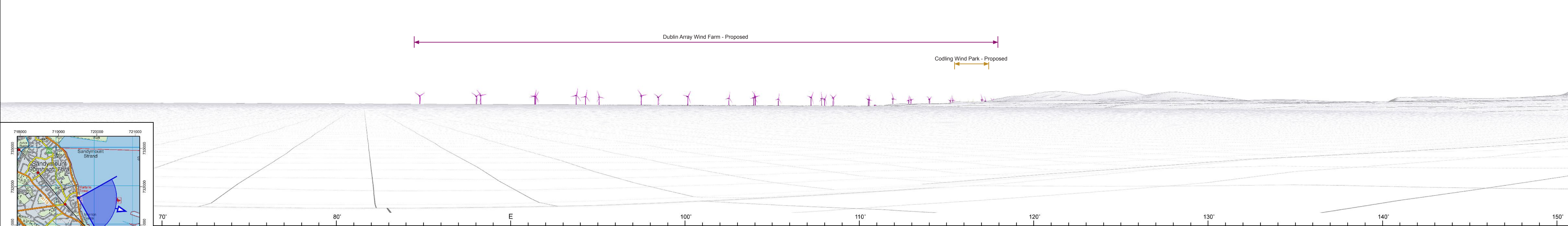
VP35 (View 1) Baseline Photo and Wireline  
Sandymount Strand (Dublin City),  
Co. Dublin


|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 719519  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 731713  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 2.9 m   | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 16-Nov-22 - 13:03     | Distance to Nearest | 39.5 km | Date        | January 2024 |

|   |                                      |                          |
|---|--------------------------------------|--------------------------|
| Project:                                    | Client:                              | LVIA Consultant:         |
| North Irish Sea Array<br>Offshore Wind Farm | <b>NISA</b><br>North Irish Sea Array | macroworks<br>APEM Group |

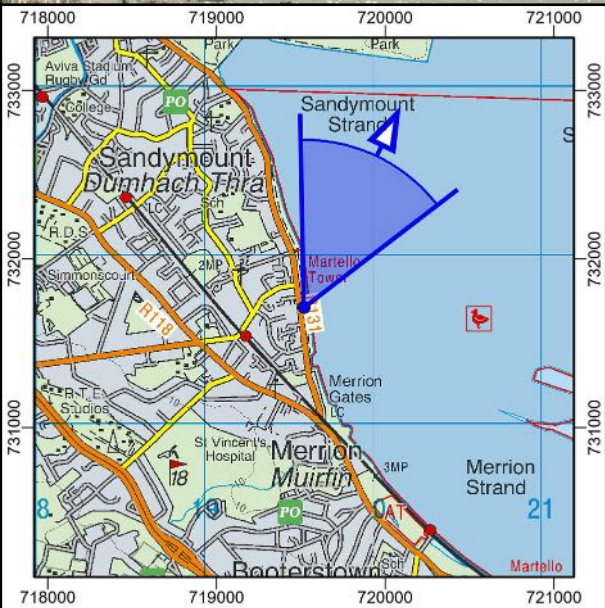


90° Wireline Drawing



|   |  |                        |         |                         |                       |                     |         |             |              |   |  |   |
|---|--|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|---|--|---|
| VP35 (View 2) Baseline Photo and Wireline<br>Sandymount Strand (Dublin City),<br>Co. Dublin |  | Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 719519  | Prepared by | NH           | Project:<br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|   |  | Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 731713  | Checked by  | RB           |   |  |   |
|   |  | Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 2.9 m   | Status      | Final        |   |  |   |
|   |  | Blade Tip Height       | 290.0 m | Date / Time of Capture  | 16-Nov-22 - 13:03     | Distance to Nearest | 39.5 km | Date        | January 2024 |   |  |   |





Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP35** Photomontage  
**Sandymount Strand (Dublin City),**  
**Co. Dublin**

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 719519  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 731713  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 2.9 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 16-Nov-22 - 13:03     | Distance to Nearest | 39.5 km | Date       | May 2024 |

Project:  
**North Irish Sea Array**  
**Offshore Wind Farm**

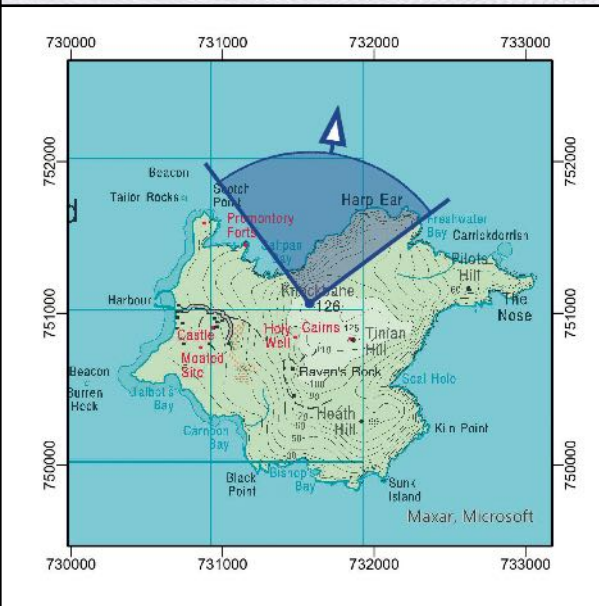
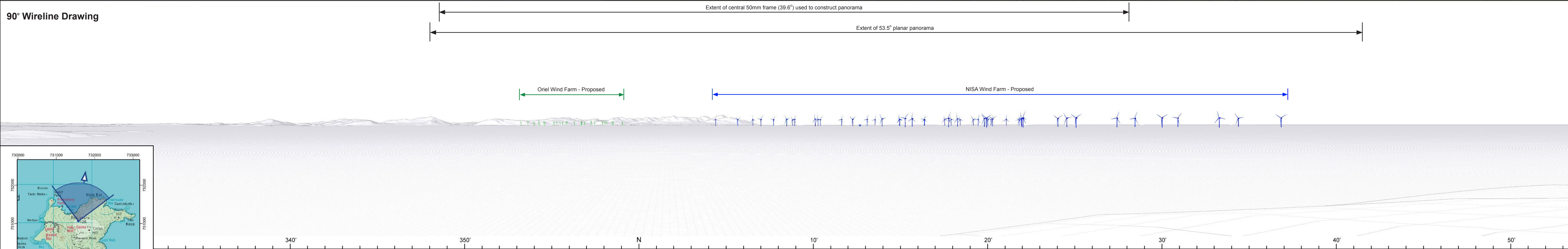
Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  




90° Baseline Photograph

90° Wireline Drawing



VP36 (View 1) Baseline Photo and Wireline  
Lambay Island - Summit  
Co. Dublin (Fingal)

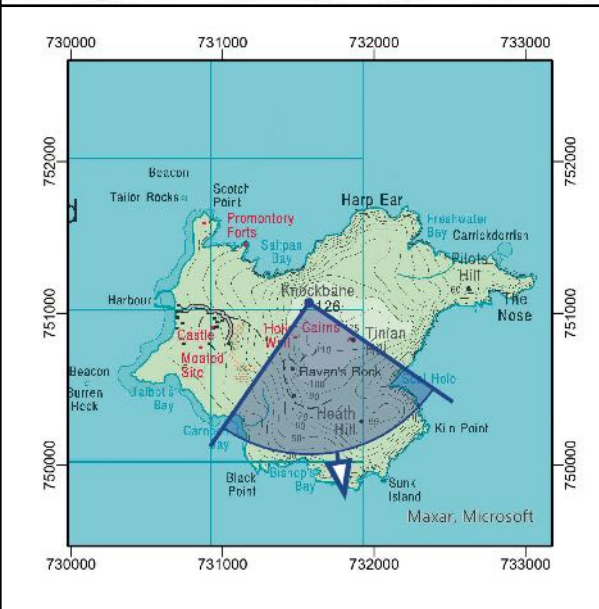
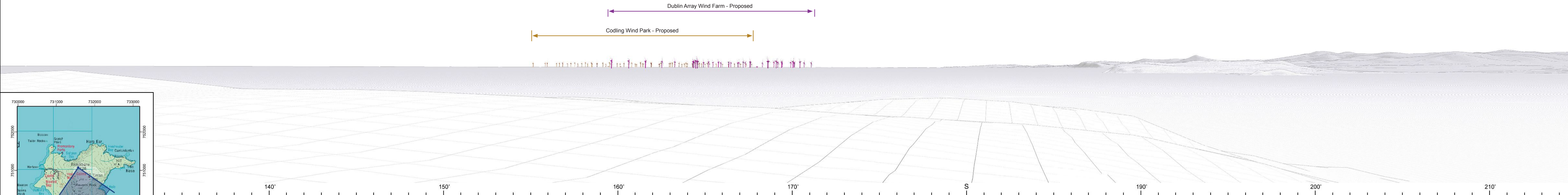
|                        |         |                         |                   |                     |         |             |          |
|------------------------|---------|-------------------------|-------------------|---------------------|---------|-------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5          | Easting (ITM)       | 731576  | Prepared by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm              | Northing (ITM)      | 751066  | Checked by  | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2       | Elevation / Cam Ht  | 128.7 m | Status      | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 19-Feb-24 - 08:42 | Distance to Nearest | 17.0 km | Date        | May 2024 |

|   |                                      |                          |
|---|--------------------------------------|--------------------------|
| Project:                                    | Client:                              | LVIA Consultant:         |
| North Irish Sea Array<br>Offshore Wind Farm | <b>NISA</b><br>North Irish Sea Array | macroworks<br>APEM GROUP |



90° Baseline Photograph

90° Wireline Drawing



VP36 (View 2) Baseline Photo and Wireline  
Lambay Island - Summit  
Co. Dublin (Fingal)

|                        |         |                         |                   |                     |         |             |          |
|------------------------|---------|-------------------------|-------------------|---------------------|---------|-------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5          | Easting (ITM)       | 731576  | Prepared by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm              | Northing (ITM)      | 751066  | Checked by  | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2       | Elevation / Cam Ht  | 128.7 m | Status      | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 19-Feb-24 - 08:42 | Distance to Nearest | 17.0 km | Date        | May 2024 |

Project:

North Irish Sea Array  
Offshore Wind Farm

Client:

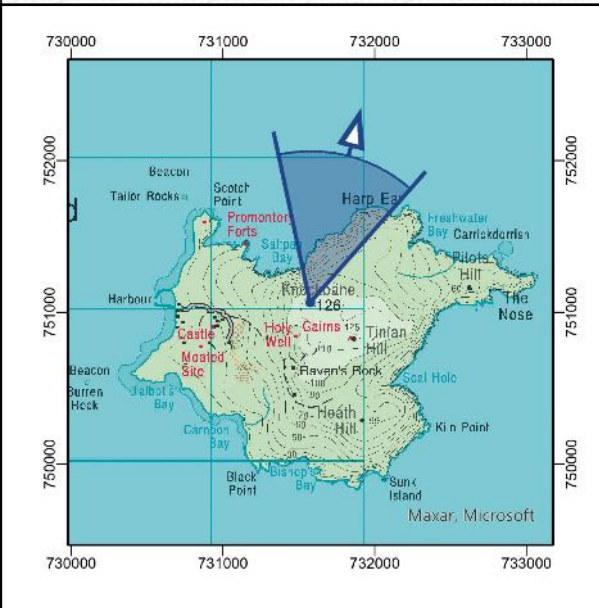
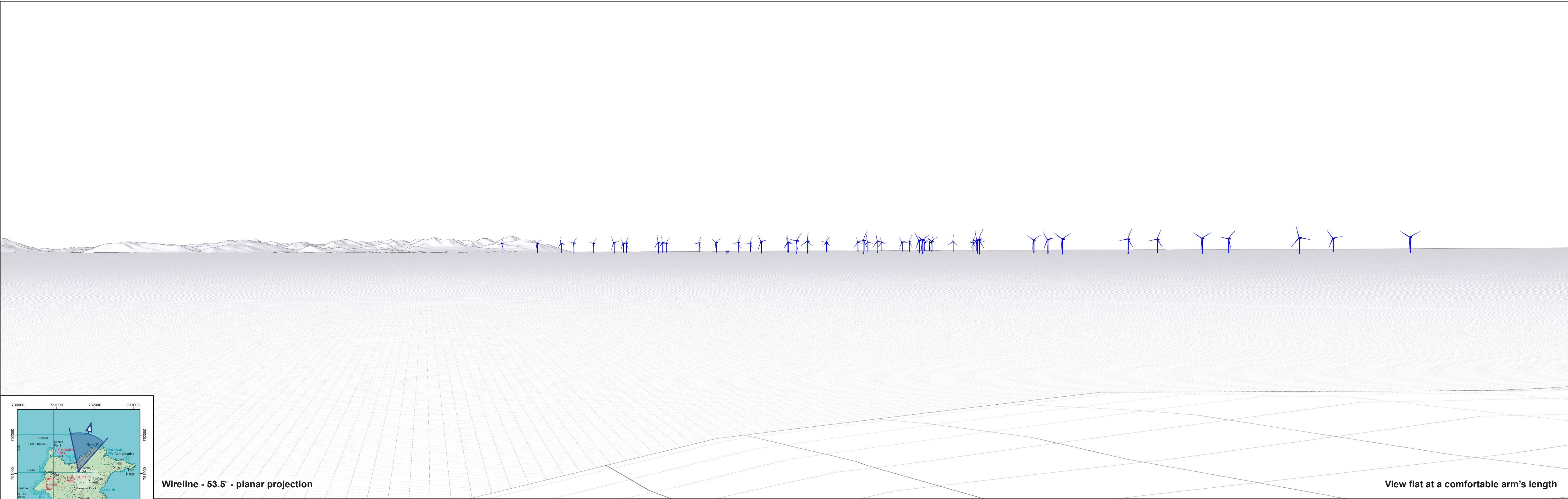
NISA

North Irish Sea Array

LVIA Consultant:

macroworks

APEM GROUP



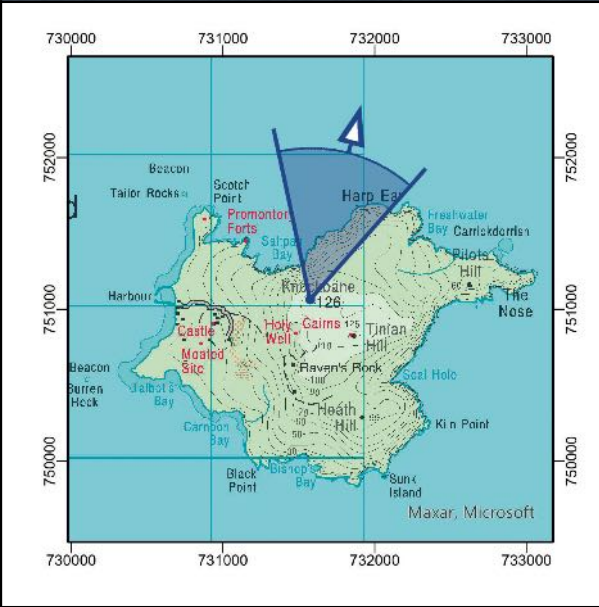
Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

**VP36** Wireline  
**Lambay Island - Summit**  
**Co. Dublin (Fingal)**


|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 731576  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 751066  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 128.7 m | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 17.0 km | Date       | May 2024 |

|          |   |         |   |                  |   |
|----------|---|---------|---|------------------|---|
| Project: | <b>North Irish Sea Array</b><br><b>Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|----------|---|---------|---|------------------|---|



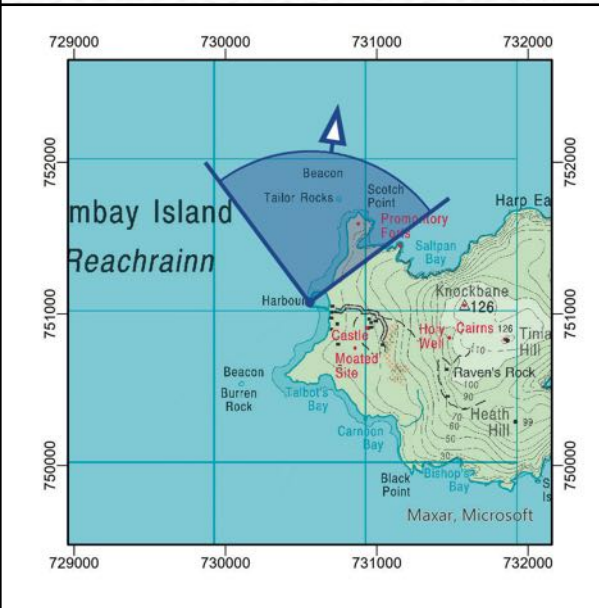
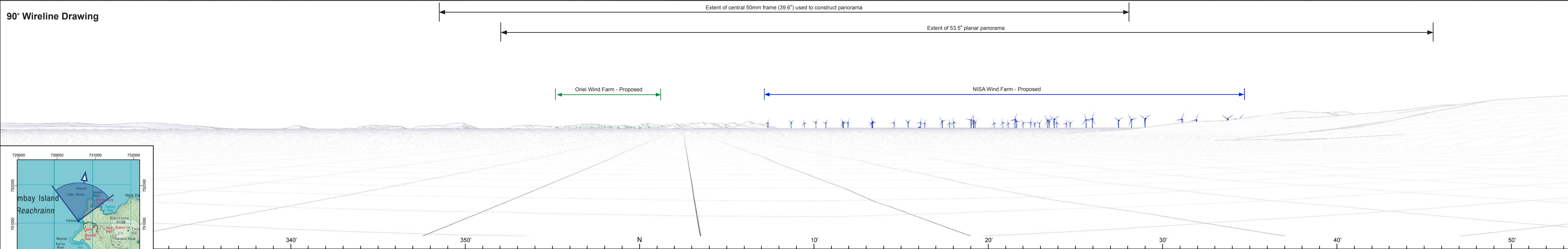
Photomontage - 53.5° - planar projection


View flat at a comfortable arm's length

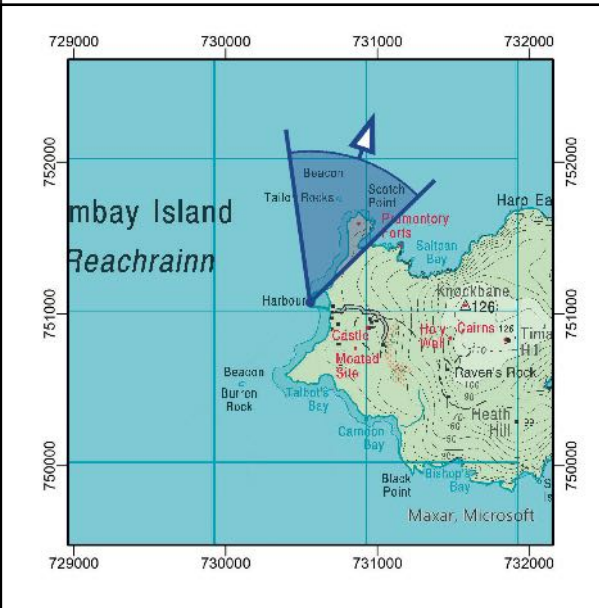
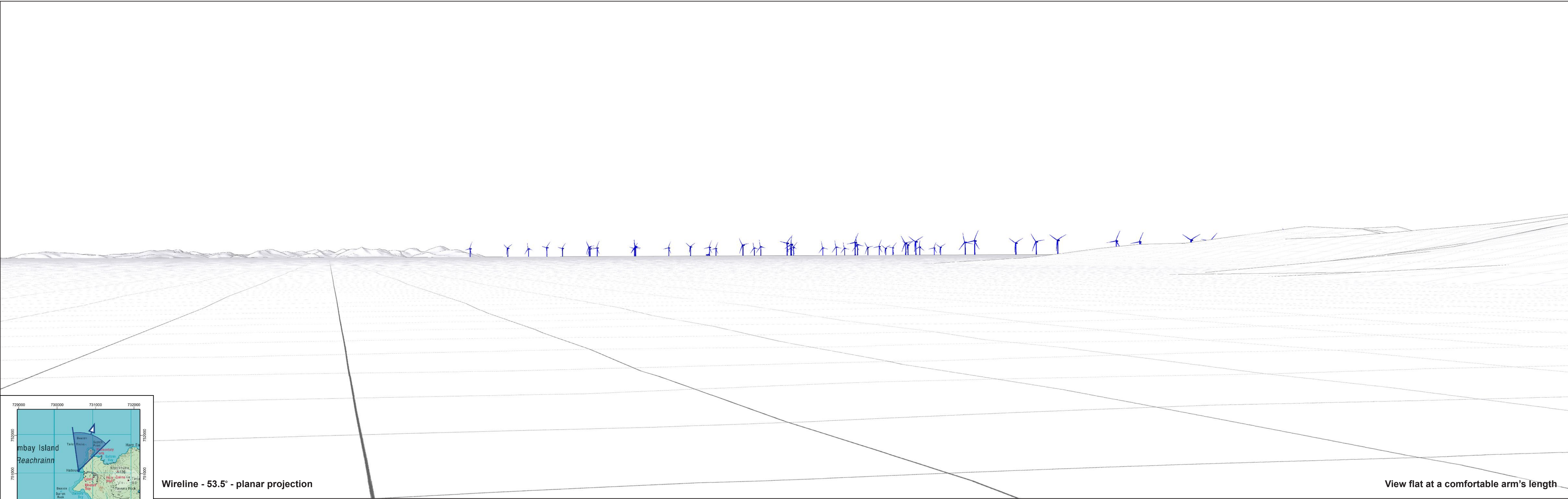
|   |                        |         |                         |                       |                     |         |            |          |   |  |   |
|---|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|---|--|---|
| VP36 Baseline Photo and Wireline<br>Lambay Island - Summit<br>Co. Dublin (Fingal) | Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 731576  | Created by | NH       | Project:<br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|   | Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 751066  | Checked by | RB       |   |  |   |
|   | Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 128.7 m | Status     | Final    |   |  |   |
|   | Blade Tip Height       | 290.0 m | Date / Time of Capture  | 19-Feb-24 - 08:42     | Distance to Nearest | 17.0 km | Date       | May 2024 |   |  |   |



90° Baseline Photograph



|  |                               |         |                                |                   |                            |         |                    |          |  |   |  |
|--|-------------------------------|---------|--------------------------------|-------------------|----------------------------|---------|--------------------|----------|--|---|--|
| <b>VP37</b> Baseline Photo and Wireline<br><b>Lambay Island - Pier</b><br><b>Co. Dublin (Fingal)</b> | <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5          | <b>Easting (ITM)</b>       | 730558  | <b>Prepared by</b> | NH       | <b>Project:</b><br><br><b>North Irish Sea Array</b><br><b>Offshore Wind Farm</b> | <b>Client:</b><br><br><b>NISA</b><br><i>North Irish Sea Array</i> | <b>LVIA Consultant:</b><br><br> |
|  | <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm              | <b>Northing (ITM)</b>      | 751076  | <b>Checked by</b>  | RB       |  |   |  |
|  | <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 90.0 x 14.2       | <b>Elevation / Cam Ht</b>  | 3.9 m   | <b>Status</b>      | Final    |  |   |  |
|  | <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 19-Feb-24 - 09:42 | <b>Distance to Nearest</b> | 17.2 km | <b>Date</b>        | May 2024 |  |   |  |



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

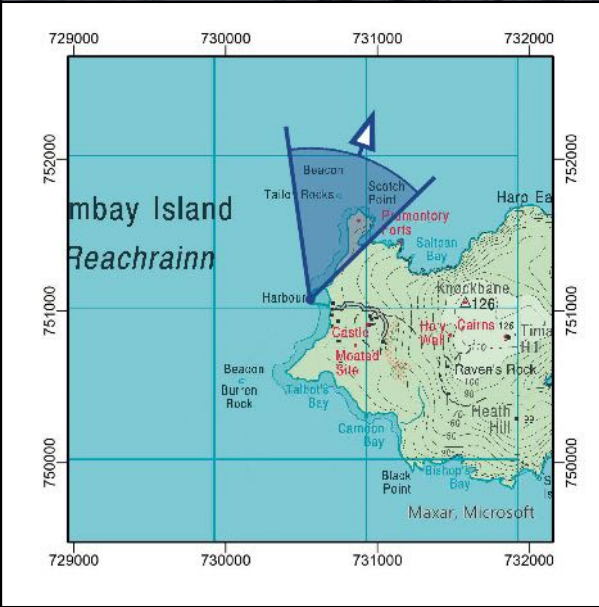
**VP37** Wireline  
**Lambay Island - Pier**  
**Co. Dublin (Fingal)**

|                        |         |                         |             |                     |         |            |          |
|------------------------|---------|-------------------------|-------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | N/A         | Easting (ITM)       | 730558  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | N/A         | Northing (ITM)      | 751076  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2 | Elevation / Cam Ht  | 3.9 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | N/A         | Distance to Nearest | 17.2 km | Date       | May 2024 |

Project:  
**North Irish Sea Array**  
**Offshore Wind Farm**


Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  
  
APRM Group



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

|   |                        |         |                         |                       |                     |         |            |          |   |  |   |
|---|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|---|--|---|
| VP37 Baseline Photo and Wireline<br>Lambay Island - Pier<br>Co. Dublin (Fingal) | Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 730558  | Created by | NH       | Project:<br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|   | Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 751076  | Checked by | RB       |   |  |   |
|   | Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 3.9 m   | Status     | Final    |   |  |   |
|   | Blade Tip Height       | 290.0 m | Date / Time of Capture  | 19-Feb-24 - 09:42     | Distance to Nearest | 17.2 km | Date       | May 2024 |   |  |   |



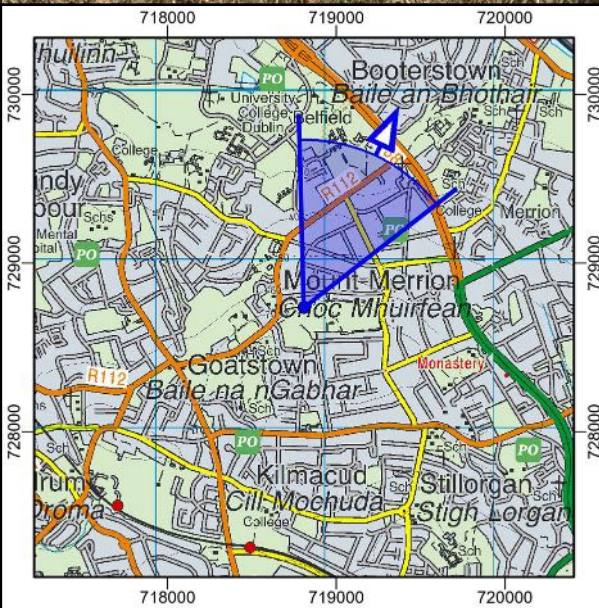
Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP38** Photomontage  
**Annalong, Co. Down (NI)**

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 737597  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 819568  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 5.6 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 25-May-23 - 08:29     | Distance to Nearest | 40.5 km | Date       | May 2024 |

|          |   |         |   |                  |   |
|----------|---|---------|---|------------------|---|
| Project: | <b>North Irish Sea Array Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|----------|---|---------|---|------------------|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP39** Photomontage  
**Deer Park (Dun Laoghaire-Rathdown), Co. Dublin**

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 718809  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 728737  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 71.2 m  | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 16-Nov-22 - 12:39     | Distance to Nearest | 42.5 km | Date       | May 2024 |

|          |   |         |                                      |                  |   |
|----------|---|---------|--------------------------------------|------------------|---|
| Project: | <b>North Irish Sea Array Offshore Wind Farm</b> | Client: | <b>NISA</b><br>North Irish Sea Array | LVIA Consultant: |  |
|----------|---|---------|--------------------------------------|------------------|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

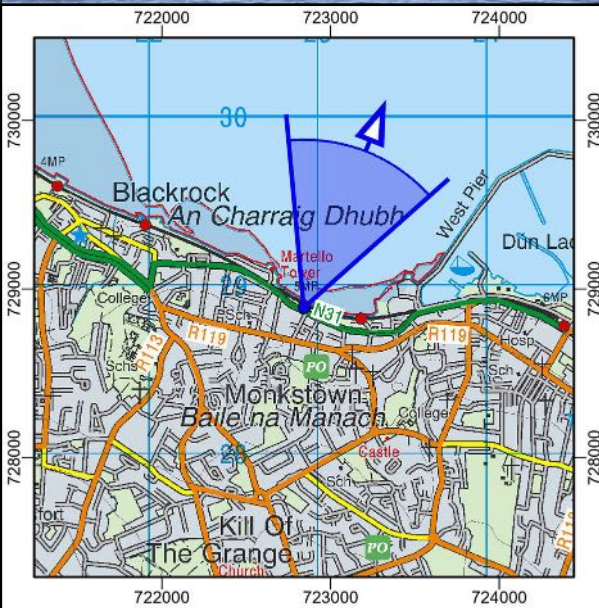
**VP40** Photomontage  
**Blackrock Park (Dun Laoghaire-Rathdown), Co. Dublin**

|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 720950  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 729763  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 8.9 m   | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 11-May-23 - 19:42     | <b>Distance to Nearest</b> | 40.6 km | <b>Date</b>       | May 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**

Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  

Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP41** Photomontage  
**Coast Road, Monkstown (Dun Laoghaire-Rathdown), Co. Dublin**

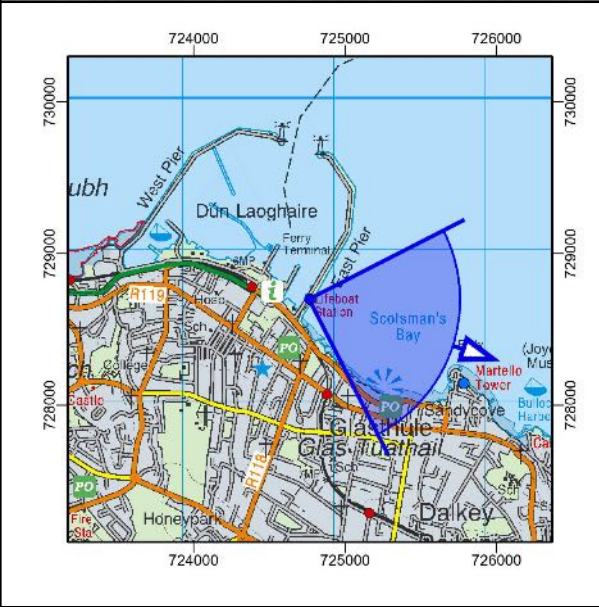
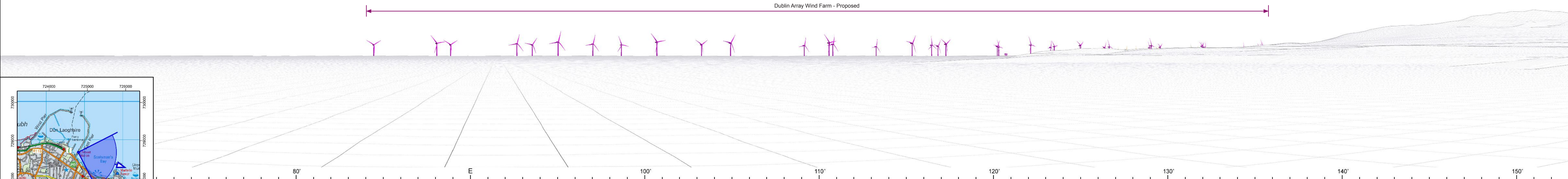
|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 722843  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 728890  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 12.9 m  | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 11-May-23 - 19:13     | <b>Distance to Nearest</b> | 40.6 km | <b>Date</b>       | May 2024 |

|   |  |   |
|---|--|---|
| Project:<br><b>North Irish Sea Array Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|---|--|---|

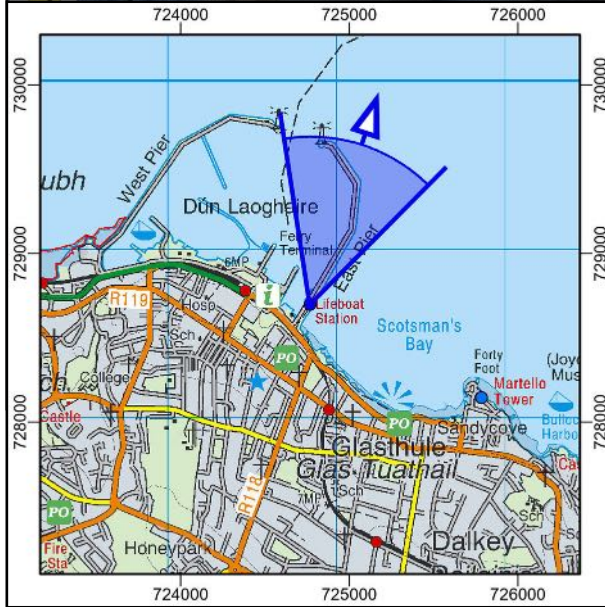


90° Baseline Photograph

90° Wireline Drawing



|  |                        |         |                         |                       |                     |         |             |              |   |  |  |
|--|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|---|--|--|
| VP42 (View 2) Baseline Photo and Wireline<br>East Pier, Dun Laoghaire (Dun Laoghaire-Rathdown), Co. Dublin | Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 724768  | Prepared by | NH           | Project:<br><br>North Irish Sea Array<br>Offshore Wind Farm | Client:<br><br><div>NISA<br/>North Irish Sea Array</div> | LVIA Consultant:<br><br><div>macroworks<br/>APER Group</div> |
|  | Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 728698  | Checked by  | RB           |   |  |  |
|  | Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 7.5 m   | Status      | Final        |   |  |  |
|  | Blade Tip Height       | 290.0 m | Date / Time of Capture  | 11-May-23 - 18:54     | Distance to Nearest | 40.0 km | Date        | January 2024 |   |  |  |



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

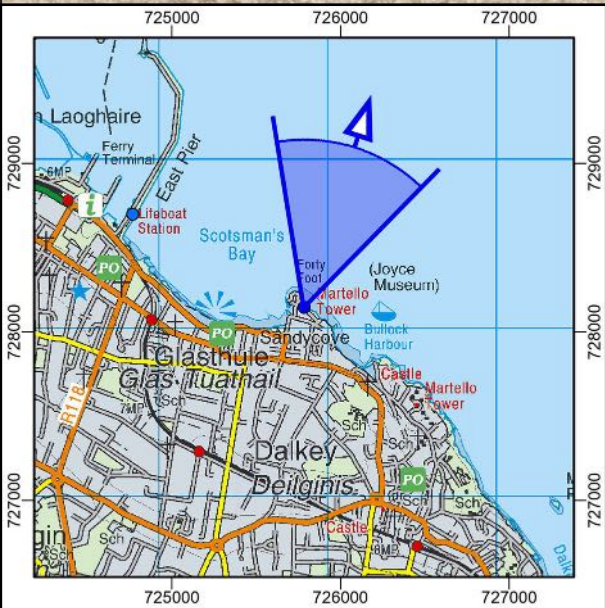
**VP42** Photomontage  
**East Pier, Dun Laoghaire (Dun Laoghaire-Rathdown), Co. Dublin**

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 724768  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 728698  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 7.5 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 11-May-23 - 18:54     | Distance to Nearest | 40.0 km | Date       | May 2024 |

Project:  
**North Irish Sea Array Offshore Wind Farm**

Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  

Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP43** Photomontage  
**Forty Foot, Sandycove (Dun Laoghair-Rathdown), Co. Dublin**

|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 725784  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 728145  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 10.7 m  | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 05-Jan-22 - 13:43     | <b>Distance to Nearest</b> | 40.1 km | <b>Date</b>       | May 2024 |

|   |  |   |
|---|--|---|
| Project:<br><b>North Irish Sea Array Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|---|--|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

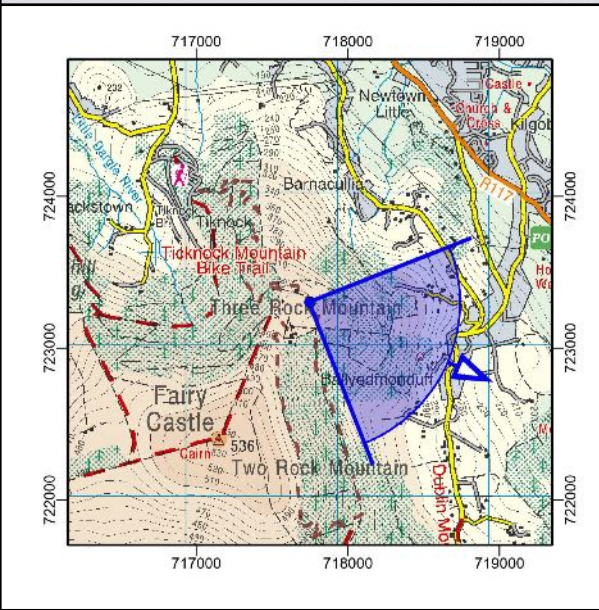
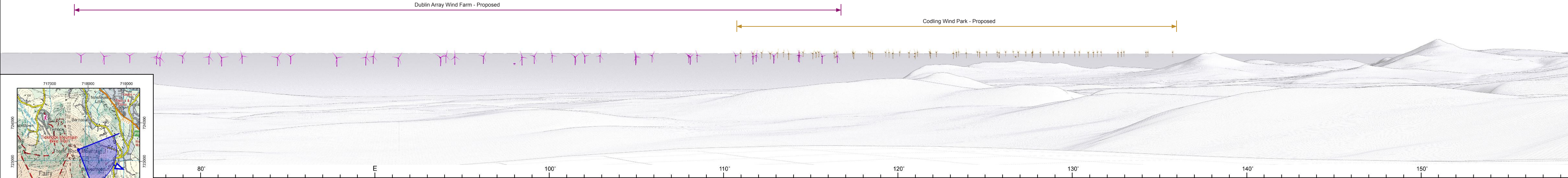
**VP44** Photomontage  
**Dalkey Hill (Dun Laoghaire-Rathdown), Co. Dublin**

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 726253  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 726045  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 137 m   | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 11-May-23 - 18:29     | Distance to Nearest | 41.9 km | Date       | May 2024 |

|          |   |         |   |                  |   |
|----------|---|---------|---|------------------|---|
| Project: | <b>North Irish Sea Array Offshore Wind Farm</b> | Client: | <b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant: |  |
|----------|---|---------|---|------------------|---|



90° Wireline Drawing



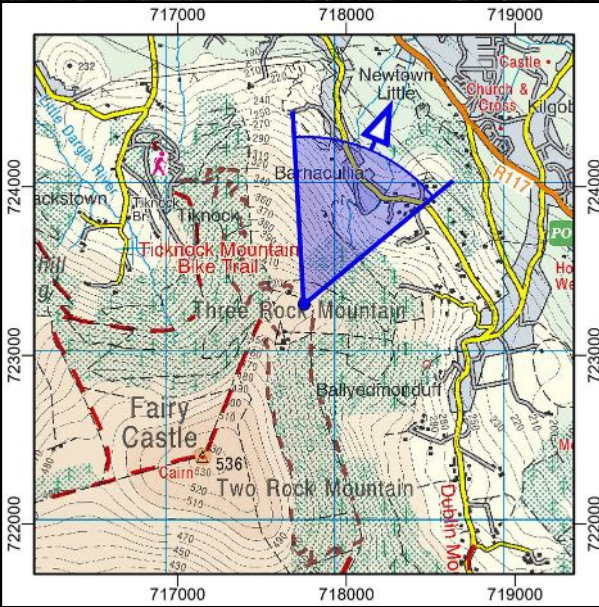
VP45 (View 2) Baseline Photo and Wireline  
Three Rock Mountain (Dun  
Laoghaire-Rathdown), Co. Dublin

|                        |         |                         |                       |                     |         |             |              |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|-------------|--------------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 717749  | Prepared by | NH           |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 723302  | Checked by  | RB           |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 90.0 x 14.2           | Elevation / Cam Ht  | 447.6 m | Status      | Final        |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 11-May-23 - 17:27     | Distance to Nearest | 47.8 km | Date        | January 2024 |

Project:  
**North Irish Sea Array  
Offshore Wind Farm**

Client:  
**NISA**  
*North Irish Sea Array*

LVIA Consultant:  

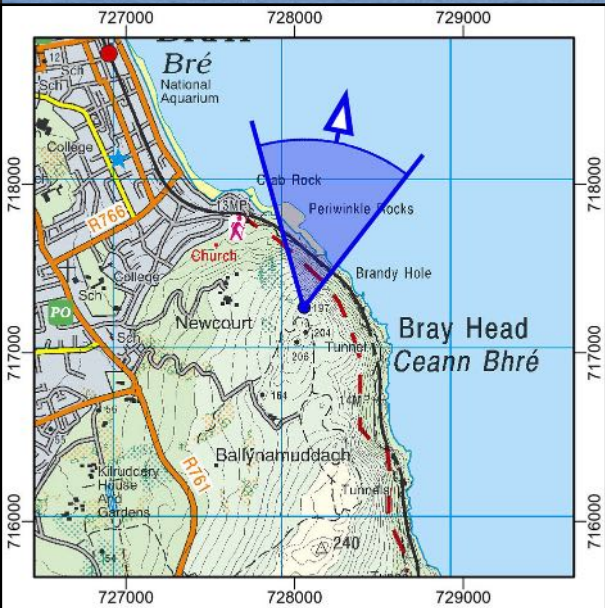
Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP45** Photomontage  
**Three Rock Mountain (Dun Laoghaire-Rathdown), Co. Dublin**

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 717749  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 723302  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 447.6 m | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 11-May-23 - 17:27     | Distance to Nearest | 47.8 km | Date       | May 2024 |

|   |  |   |
|---|--|---|
| Project:<br><b>North Irish Sea Array Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|---|--|---|



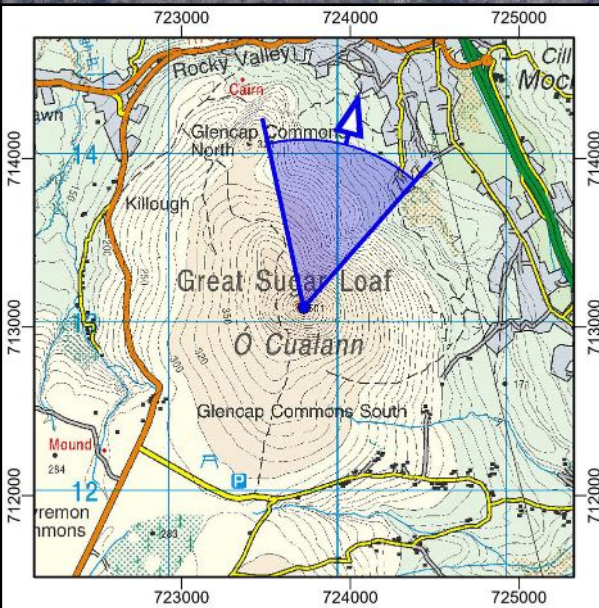
Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

**VP46** Photomontage  
**Bray Head, Co. Wicklow**

|                               |         |                                |                       |                            |         |                   |          |
|-------------------------------|---------|--------------------------------|-----------------------|----------------------------|---------|-------------------|----------|
| <b>Turbine no. (Option 1)</b> | 49      | <b>Camera / Sensor</b>         | Canon R5 / Full Frame | <b>Easting (ITM)</b>       | 728056  | <b>Created by</b> | NH       |
| <b>Hub Height</b>             | 165.0 m | <b>Lens</b>                    | 50mm fixed            | <b>Northing (ITM)</b>      | 717270  | <b>Checked by</b> | RB       |
| <b>Rotor Diameter</b>         | 250.0 m | <b>Field of View (H° x V°)</b> | 53.5 x 18.2           | <b>Elevation / Cam Ht</b>  | 197.9 m | <b>Status</b>     | Final    |
| <b>Blade Tip Height</b>       | 290.0 m | <b>Date / Time of Capture</b>  | 16-Mar-22 - 16:49     | <b>Distance to Nearest</b> | 49.8 km | <b>Date</b>       | May 2024 |

|   |  |   |
|---|--|---|
| Project:<br><b>North Irish Sea Array<br/>Offshore Wind Farm</b> | Client:<br><b>NISA</b><br><i>North Irish Sea Array</i> | LVIA Consultant:<br> |
|---|--|---|



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

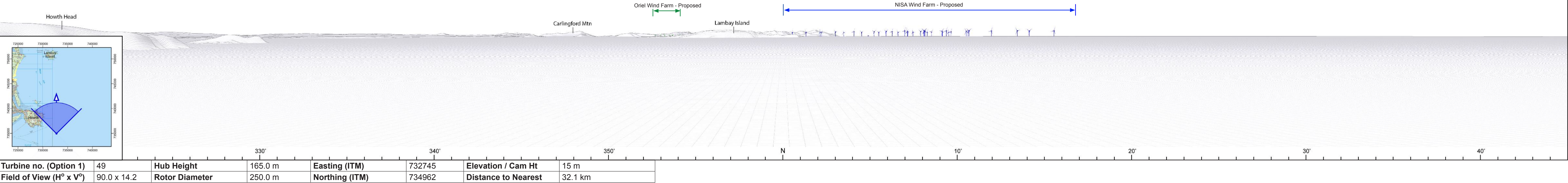
|      |                                |  |
|------|--------------------------------|--|
| VP47 | Photomontage                   |  |
|      | Sugar Loaf Summit, Co. Wicklow |  |

|                        |         |                         |                       |                     |         |            |          |
|------------------------|---------|-------------------------|-----------------------|---------------------|---------|------------|----------|
| Turbine no. (Option 1) | 49      | Camera / Sensor         | Canon R5 / Full Frame | Easting (ITM)       | 723726  | Created by | NH       |
| Hub Height             | 165.0 m | Lens                    | 50mm fixed            | Northing (ITM)      | 713117  | Checked by | RB       |
| Rotor Diameter         | 250.0 m | Field of View (H° x V°) | 53.5 x 18.2           | Elevation / Cam Ht  | 495.2 m | Status     | Final    |
| Blade Tip Height       | 290.0 m | Date / Time of Capture  | 31-Mar-22 - 15:38     | Distance to Nearest | 55.0 km | Date       | May 2024 |

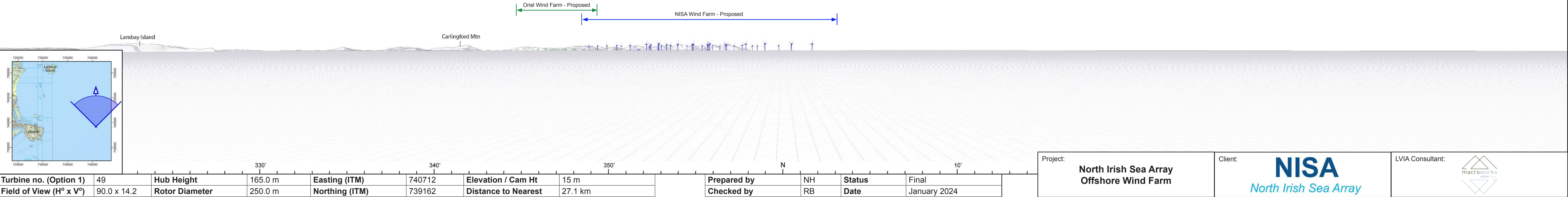
|          |   |         |  |                  |   |
|----------|---|---------|--|------------------|---|
| Project: | North Irish Sea Array<br>Offshore Wind Farm | Client: | <div>NISA</div> <div>North Irish Sea Array</div> | LVIA Consultant: | <div>macroworks</div> <div>APRM Group</div> |
|          |   |         |  |                  |   |

# Marine and Aviation Transport Corridor Wireframes

Ferry - Dublin to Douglas - Pt1  
Wireline

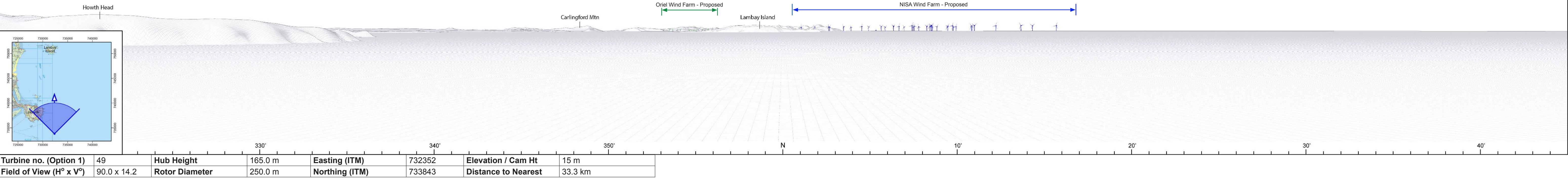


Ferry - Dublin to Douglas - Pt2  
Wireline



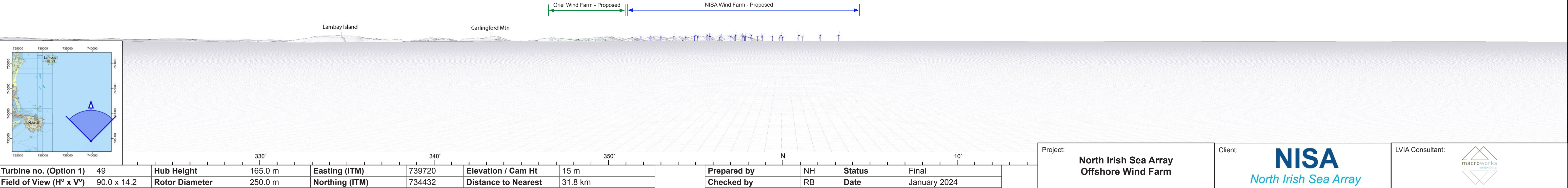
Ferry - Dublin to Hollyhead - Pt1

Wireline



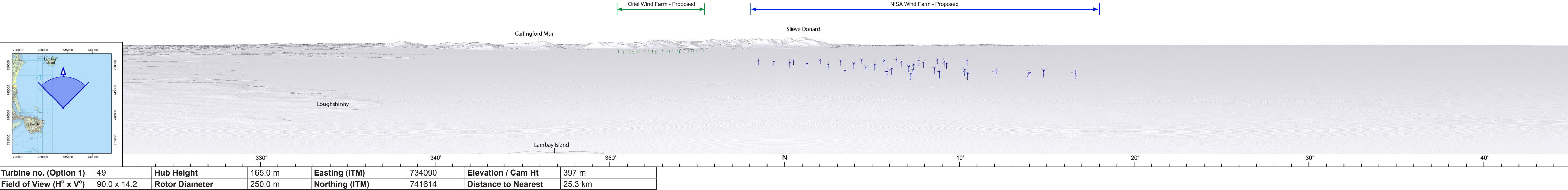
Ferry - Dublin to Hollyhead - Pt2

Wireline



Aircraft - London GTW to Dublin - Pt1

Wireline



Aircraft - London GTW to Dublin - Pt2

Wireline

