9.6 Operation impact assessment - visual impacts - night time

This Section considers night time impacts, with photomontages prepared. The final impact assessment as determined on the basis of impacts assessed at each representative viewpoint is arrived at on the basis of 3 variables:

- Landscape value,
- Magnitude of visibility of the proposed infrastructure (as depicted within the photomontage views from representative view locations), and
- The sensitivity of visual receptors.

For the purposes of the SLVIA, all changes to views as a result of the project are assumed to constitute negative impacts.

A preliminary turbine lighting design for aviation and navigation safety used in this assessment has been provided by SOTS based on information and experience for other international offshore wind projects. The turbine lighting design will be finalised in the project detailed design phase in consultation with aviation and navigation safety regulators.

Assumptions which inform the preparation of night time photomontages are based upon information contained within Offshore Wind Farm Lighting Study (document reference SOTS-WSP-001-OWF-MEM-00001 Rev F) prepared by WSP Australia Pty Ltd (dated 25 October 2023), and include the following specifications in relation to proposed lighting on offshore turbines:

Table 67 Turbine Lighting Specifications

	Corner turbines & spaced along boundary (SPS*) every 3 nautical miles (nm)	Outer turbines (IPS**)	Inner turbines
Nacelle lighting	▪ 2 medium intensity red lights (2000cd) ▪ 1 low intensity green light (6-60cd) - active only during helicopter use.	▪ 2 medium intensity red lights (2000cd) ▪ 1 low intensity green light (6-60cd) - active only during helicopter use	▪ 2 low intensity red lights (200cd) ▪ 1 low intensity green light (6-60cd) - active only during helicopter use
ID lighting on lower tower	▪ Reflective ID panel - low intensity white light visible from a vessel at 150m using hooded down lights.	▪ Reflective ID panel - low intensity white light visible from a vessel at 150m using hooded down lights.	▪ Reflective ID panel - low intensity white light visible from a vessel at 150m using hooded down lights.
Safety lighting on transition piece.	▪ 3 low intensity yellow lights 5nm range, spaced 120 degrees apart positioned on top of railing. ▪ Recommended 54-107cd (night time), 268-538x10^3cd (day time)	▪ 3 low intensity yellow lights 2nm range, spaced 120 degrees apart positioned on top of railing. ▪ Recommended 3-9cd (night time), 12.1-45.3x103cd (day time)	▪ N/A

*Significant peripheral structure

**Intermediate peripheral structure

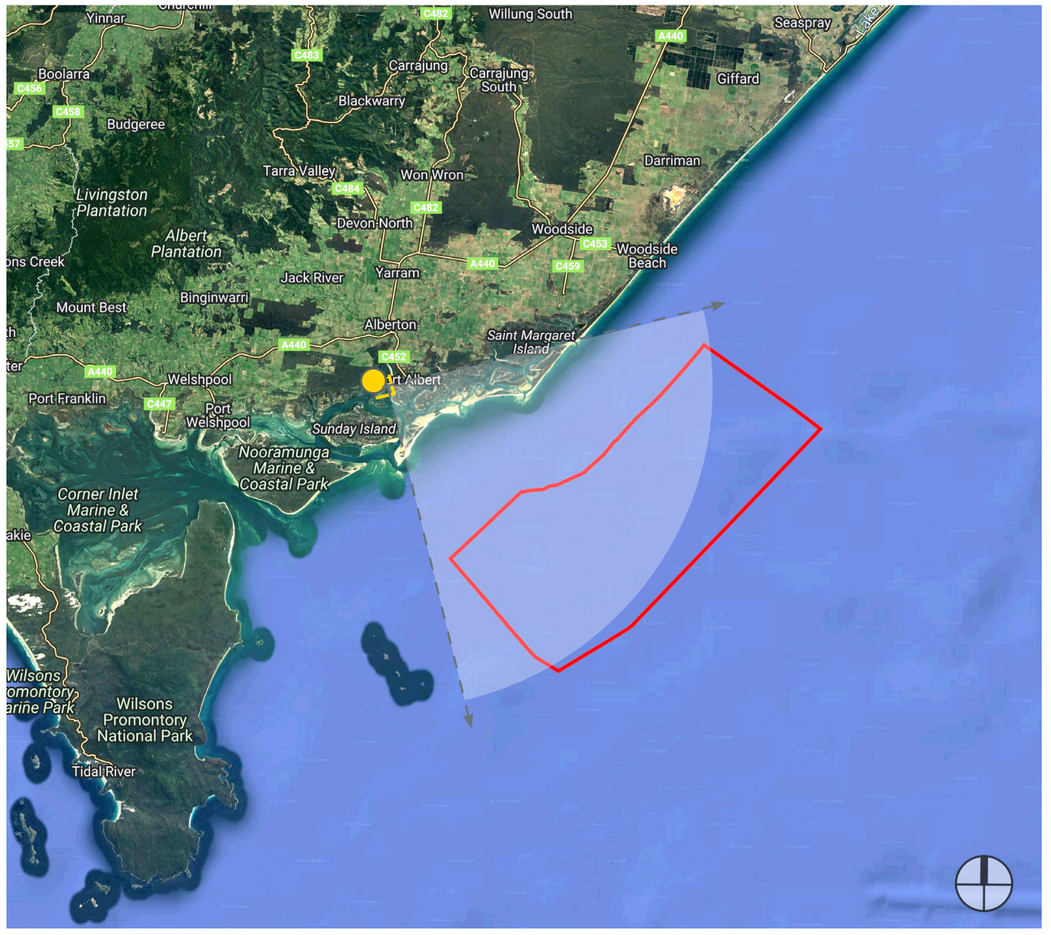
9.6.1 View location 02 - 60 Tannery Rd, Alberton (night time) (Impact ID: SLVR05)

Location

View location 02 is adjacent to private property at 60 Tannery Road, Alberton. The view is oriented to the south-east towards the proposed offshore wind farm project infrastructure, with the closest turbines being approximately 21.3 kilometres from the view location.

Rationale for selection

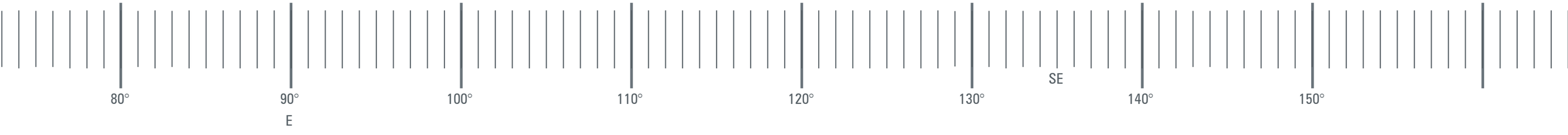
The proposed project infrastructure is visible from the view location during the daytime (refer to the daytime impact assessment in Section 9.5) and is considered to be representative of views from proximate private residences towards the proposed offshore wind farm and transmission infrastructure lighting at night from Alberton township.



Camera location

View Location 02 - Existing view

Figure 195 View location 02 (night time): Existing view



View Location 02 - adjacent to private property at 60 Tannery Road, Alberton - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
09.51pm on 28/12/21
Photo taken at:
160cm above ground level

View location 02:
e: 471580.0517
n: 5725276.8326
rl: 8.171AHD

Project ref: 2019/0520
Dwg no.: VIA-146
Date: 03/02/26
Revision: P9

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View Location 02 - Wireframe view - 271 metres tip height parameter

Figure 196 View location 02 (night time): Wireframe view – 271-metre tip height parameter

80° 90° E 100° 110° 120° SE 130° 140° 150°

View Location 02 - adjacent to private property at 60 Tannery Road, Alberton - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
09.51pm on 28/12/21
Photo taken at:
160cm above ground level

View location 02:
e: 471580.0517
n: 5725276.8326
rl: 8.171AHD

Approx distance to closest turbine
21682m

Project ref: 2019/0520
Dwg no.: VIA-147
Date: 03/02/26
Revision: P9

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Figure 197 View location 02 (night time): Photomontage view – 271-metre tip height parameter

80° 90° E 100° 110° 120° 130° SE 140° 150°

View Location 02 - adjacent to private property at 60 Tannery Road, Alberton - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
09.51pm on 28/12/21
Photo taken at:
160cm above ground level

View location 02:
e: 471580.0517
n: 5725276.8326
rl: 8.171AHD

Approx distance to closest turbine
21682m

Project ref: 2019/0520
Dwg no.: VIA-148
Date: 03/02/26
Revision: P9

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View Location 02 - Wireframe view - 350 metres tip height parameter

Figure 198 View location 02 (night time): Wireframe view – 350-metre tip height parameter

80° 90° 100° 110° 120° 130° SE 140° 150°
E

View Location 02 - adjacent to private property at 60 Tannery Road, Alberton - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
09.51pm on 28/12/21
Photo taken at:
160cm above ground level

View location 02:
e: 471580.0517
n: 5725276.8326
rl: 8.171AHD

Approx distance to closest turbine
21713m

Project ref: 2019/0520
Dwg no.: VIA-149
Date: 03/02/26
Revision: P9

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View Location 02 - Photomontage view - 350 metres tip height parameter

Figure 199 View location 02 (night time): Photomontage view – 350-metre tip height parameter

80° 90° E 100° 110° 120° 130° SE 140° 150°

View Location 02 - adjacent to private property at 60 Tannery Road, Alberton - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
09.51pm on 28/12/21
Photo taken at:
160cm above ground level

View location 02:
e: 471580.0517
n: 5725276.8326
rl: 8.171AHD

Approx distance to closest turbine
21713m

Project ref: 2019/0520
Dwg no.: VIA-150
Date: 03/02/26
Revision: P9

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View location 02 (night time) - Impact assessment

The assessment of seascape, landscape, and visual impact of the proposed project infrastructure (271-metre tip height and 350-metre tip height parameters) at view location 02, at night time, is summarised in Tables 68 and 69 below.

Table 68 271-metre tip height parameter impact assessment - view location 02 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Nil	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 198) illustrates that the magnitude of visibility of the proposed project infrastructure is 'nil', with no proposed infrastructure visible.
Nature of receptors	Very high	The view location is adjacent to private property at 60 Tannery Road, Alberton, and is considered to be representative of views from proximate private residences.
Number of receptors	Very low	Tannery Road is a local road used primarily for access to adjacent properties. At the 2021 census, Alberton had a population of 297 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). The number of receptors is assumed to be very low.
Frequency	Very high	Private residents are assumed to have a very high frequency of visitation.
Duration	Very high	Private residents are assumed to have a very low duration of visitation.
Receptor sensitivity	High	Receptor sensitivity at this view location is assessed as 'high'.
Overall impact assessment	Nil	

Table 69 350-metre tip height parameter impact assessment - view location 02 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The view location is within the 'Settlements' landscape character area, for which the assessed landscape/seascape value is 'low'.
Magnitude of visibility	Nil	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 200) illustrates that the magnitude of visibility of the proposed project infrastructure is 'nil', with no proposed infrastructure visible.
Nature of receptors	Very high	The view location is adjacent to private property at 60 Tannery Road, Alberton, and is considered to be representative of views from proximate private residences.
Number of receptors	Very low	Tannery Road is a local road used primarily for access to adjacent properties. At the 2021 census, Alberton had a population of 297 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). The number of receptors is assumed to be very low.
Frequency	Very high	Private residents are assumed to have a very high frequency of visitation.
Duration	Very high	Private residents are assumed to have a very low duration of visitation.
Receptor sensitivity	High	Receptor sensitivity at this view location is assessed as 'high'.
Overall impact assessment	Nil	

Anticipated impact

The final impact assessments for view location 02, determined based on landscape/seascape value, magnitude of visibility of the proposed project infrastructure, and receptor sensitivity for both the 271-metre tip height and 350-metre tip height parameters, are assessed as 'nil', at night time, as the proposed project infrastructure will not be visible.

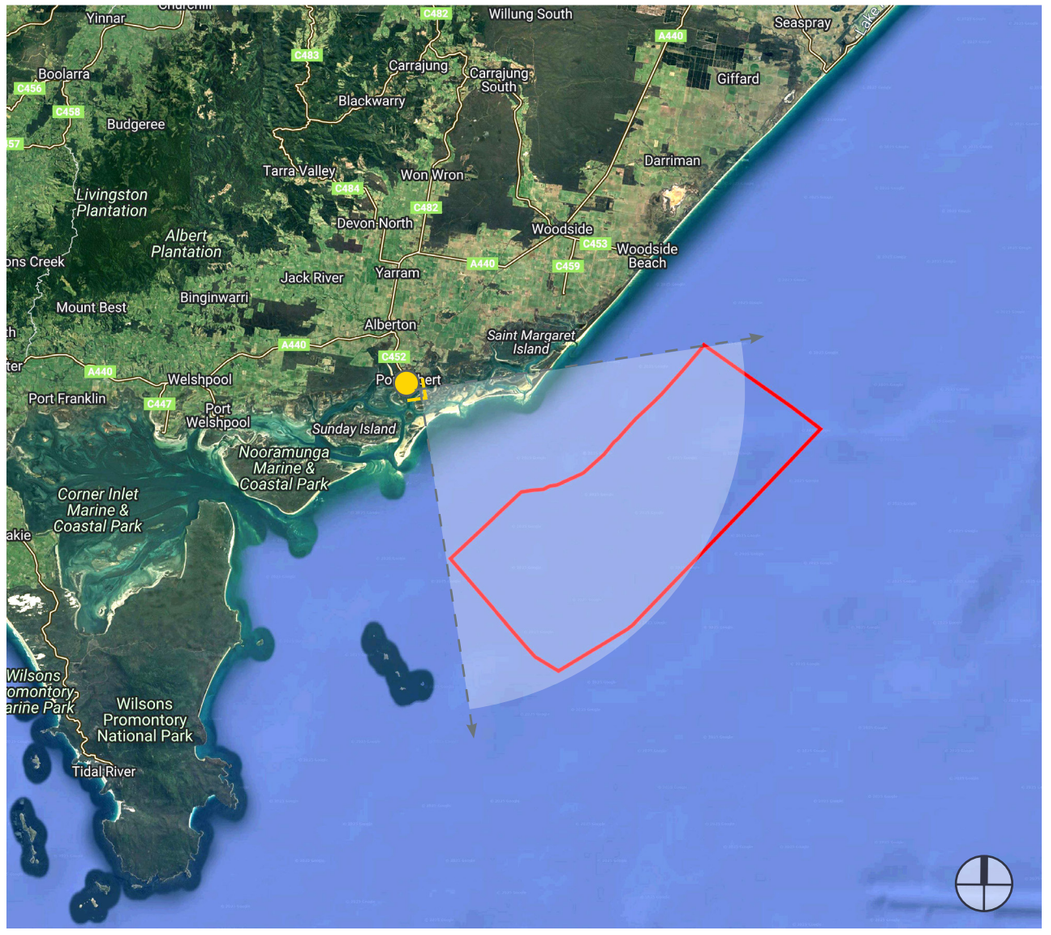
9.6.2 View location 03 - 24 North St, Port Albert (night time)(Impact ID: SLVR05)

Location

View location 03 is adjacent to private property at 24 North Street, Port Albert. The view is oriented to the south-east towards the proposed offshore wind farm project infrastructure, with the closest turbines being approximately 15.5 kilometres from the view location.

Rationale for selection

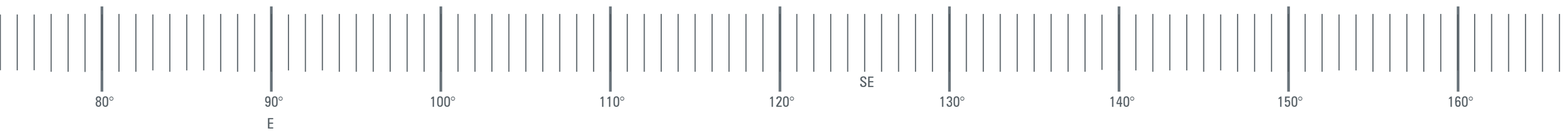
The proposed project infrastructure is visible from the view location during the daytime (refer to the daytime impact assessment in Section 9.5) and is considered representative of views from nearby private residences towards the proposed offshore wind farm and transmission infrastructure lighting at night from Port Albert township.



Camera location

View Location 03 - Existing view

Figure 200 View location 03 (night time): Existing view



View Location 03 - 24 North Street, Port Albert - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.10pm on 28/12/21
Photo taken at:
160cm above ground level

View location 03:
e: 473379.7216
n: 5719241.6993
rl: 3.39AHD

Project ref: 2019/0520
Dwg no.: VIA-151
Date: 03/02/26
Revision: P9

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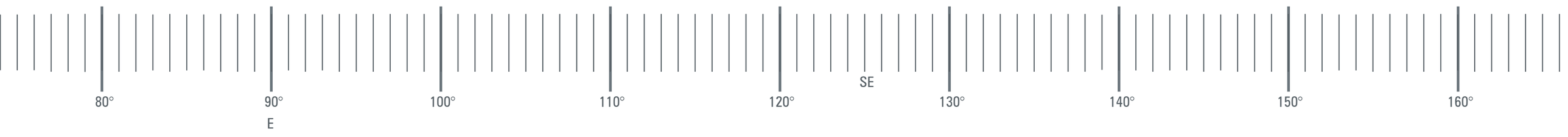
View Location 03 - Wireframe view - 271 metres tip height parameter

Figure 201 View location 03 (night time): Wireframe view – 271-metre tip height parameter



View Location 03 - 24 North Street, Port Albert - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.10pm on 28/12/21
Photo taken at:
160cm above ground level

View location 03:
e: 473379.7216
n: 5719241.6993
rl: 3.39AHD

Approx distance to closest turbine
15652m

Project ref: 2019/0520
Dwg no.: VIA-152
Date: 03/02/26
Revision: P9

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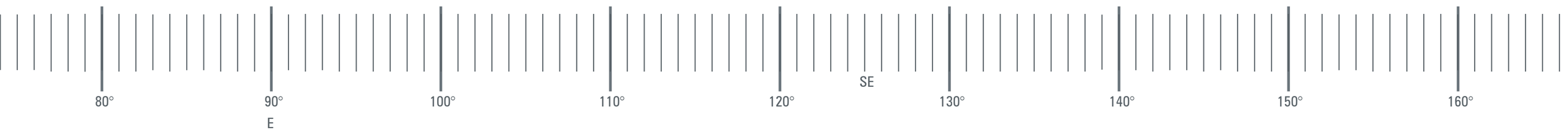
View Location 03 - Photomontage view - 271 metres tip height parameter

Figure 202 View location 03 (night time): Photomontage view – 271-metre tip height parameter



View Location 03 - 24 North Street, Port Albert - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.10pm on 28/12/21
Photo taken at:
160cm above ground level

View location 03:
e: 473379.7216
n: 5719241.6993
rl: 3.39AHD

Approx distance to closest turbine
15652m

Project ref: 2019/0520
Dwg no.: VIA-153
Date: 03/02/26
Revision: P9

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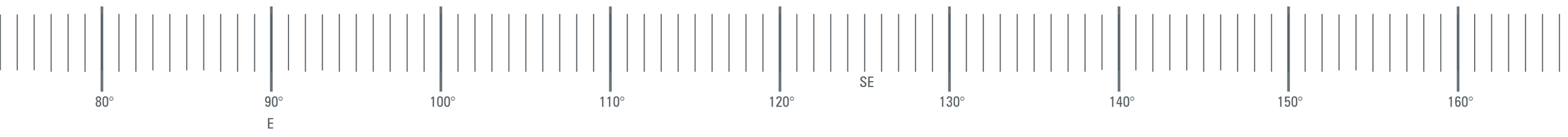
View Location 03 - Wireframe view - 350 metres tip height parameter

Figure 203 View location 03 (night time): Wireframe view – 350-metre tip height parameter



View Location 03 - 24 North Street, Port Albert - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.10pm on 28/12/21
Photo taken at:
160cm above ground level

View location 03:
e: 473379.7216
n: 5719241.6993
rl: 3.39AHD

Approx distance to closest turbine
15659m

Project ref: 2019/0520
Dwg no.: VIA-154
Date: 03/02/26
Revision: P9

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Figure 204 View location 03 (night time): Photomontage view – 350-metre tip height parameter

80° 90° 100° 110° 120° SE 130° 140° 150° 160°

E

View Location 03 - 24 North Street, Port Albert - Facing south-east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.10pm on 28/12/21
Photo taken at:
160cm above ground level

View location 03:
e: 473379.7216
n: 5719241.6993
rl: 3.39AHD

Approx distance to closest turbine
15659m

Project ref: 2019/0520
Dwg no.: VIA-155
Date: 03/02/26
Revision: P9

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View location 03 (night time) - Impact assessment

The assessment of seascape, landscape, and visual impact of the proposed project infrastructure (271-metre tip height and 350-metre tip height parameters) at view location 03, at night time, is summarised in Tables 70 and 71 below.

Table 70 271-metre tip height parameter impact assessment - view location 03 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Moderate	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 203) illustrates that the magnitude of visibility of the proposed project infrastructure is 'moderate'.
Nature of receptors	Very high	The view location is adjacent to private property at 24 North Street, Port Albert, and is considered to be representative of views from proximate private residences.
Number of receptors	Very low	North Street is a local street used primarily for access to adjacent property. At the 2021 census, Port Albert had a population of 349 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). The number of receptors is assumed to be very low.
Frequency	Very high	Private residents are assumed to have a very high frequency of visitation at night.
Duration	Very high	Private residents are assumed to have a very high duration of visitation.
Receptor sensitivity	High	Receptor sensitivity at this view location is assessed as 'high'.
Overall impact assessment	Moderate	

Table 71 350-metre tip height parameter impact assessment - view location 03 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Moderate	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 205) illustrates that the magnitude of visibility of the proposed project infrastructure is 'moderate'.
Nature of receptors	Very high	The view location is adjacent to private property at 24 North Street, Port Albert, and is considered to be representative of views from proximate private residences.
Number of receptors	Very low	North Street is a local street used primarily for access to adjacent property. At the 2021 census, Port Albert had a population of 349 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). The number of receptors is assumed to be very low.
Frequency	Very high	Private residents are assumed to have a very high frequency of visitation at night.
Duration	Very high	Private residents are assumed to have a very high duration of visitation.
Receptor sensitivity	High	Receptor sensitivity at this view location is assessed as 'high'.
Overall impact assessment	Moderate	

Anticipated impact

The final impact assessments for view location 03 – determined based on landscape/seascape value, magnitude of visibility of the proposed project infrastructure, and receptor sensitivity for both 271-metre tip height and 350-metre tip height parameters – are assessed as 'moderate' at night time.

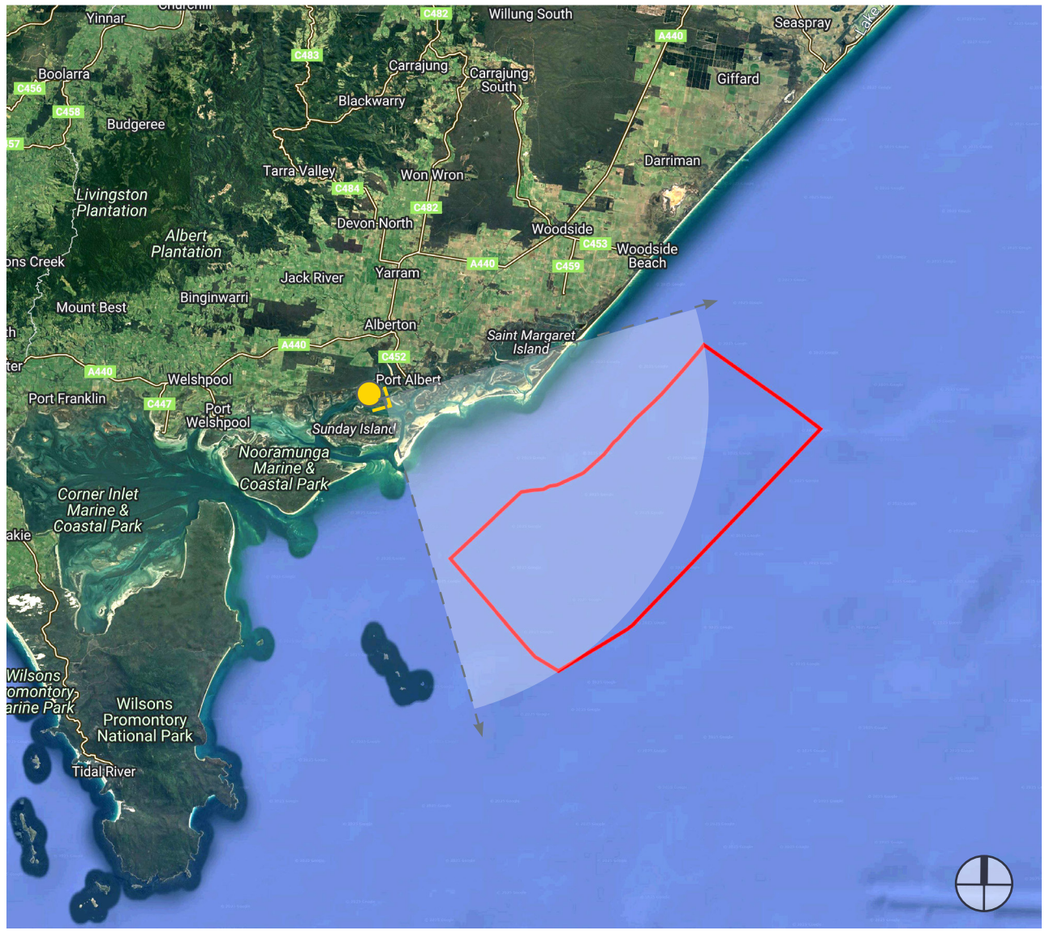
9.6.3 View location 04 - 40 Wharf St, Port Albert (night time) (Impact ID: SLVR04)

Location

View location 04 is located at 40 Wharf Street, Port Albert. The view is oriented to the east towards the proposed offshore wind farm project infrastructure, with the closest turbines being approximately 15.3 kilometres from the view location.

Rationale for selection

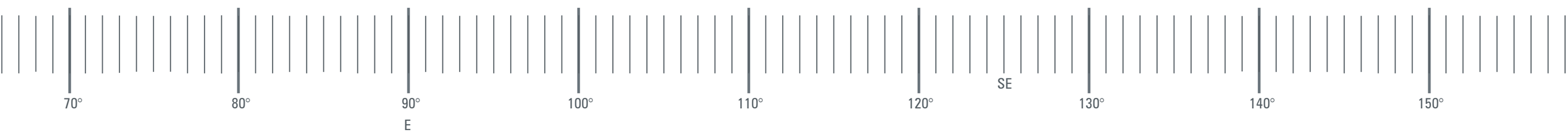
The proposed project infrastructure is visible from the view location at day time (refer to daytime impact assessment in Section 9.5) and is considered to be representative of views readily available within the public realm towards the proposed offshore wind farm and transmission infrastructure lighting at night from Port Albert township.



Camera location

View Location 04 - Existing view

Figure 205 View location 04 (night time): Existing view



View Location 04 - on 40 Wharf Street, Port Albert - Facing east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.22pm on 28/12/21
Photo taken at:
160cm above ground level

View location 04:
e: 473688.0705
n: 5719217.5429
rl: 3.702AHD

Project ref: 2019/0520
Dwg no.: VIA-156
Date: 03/02/26
Revision: P9

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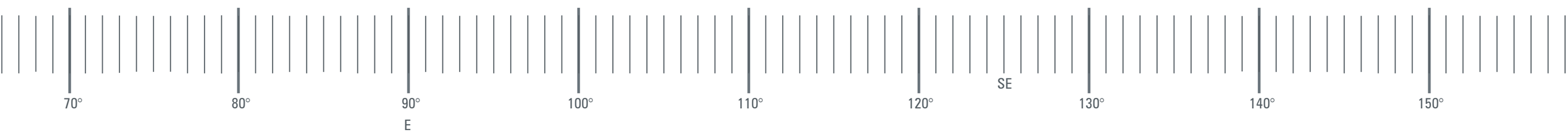
View Location 04 - Wireframe view - 271 metres tip height parameter

Figure 206 View location 04 (night time): Wireframe view – 271-metre tip height parameter



View Location 04 - on 40 Wharf Street, Port Albert - Facing east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.22pm on 28/12/21
Photo taken at:
160cm above ground level

View location 04:
e: 473688.0705
n: 5719217.5429
rl: 3.702AHD

Approx distance to closest turbine
15455m

Project ref: 2019/0520
Dwg no.: VIA-157
Date: 03/02/26
Revision: P9

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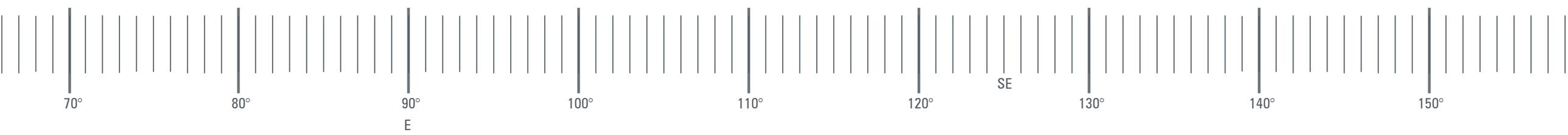
View Location 04 - Photomontage view - 271 metres tip height parameter

Figure 207 View location 04 (night time): Photomontage view – 271-metre tip height parameter



View Location 04 - on 40 Wharf Street, Port Albert - Facing east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.22pm on 28/12/21
Photo taken at:
160cm above ground level

View location 04:
e: 473688.0705
n: 5719217.5429
rl: 3.702AHD

Approx distance to closest turbine
15455m

Project ref: 2019/0520
Dwg no.: VIA-158
Date: 03/02/26
Revision: P9

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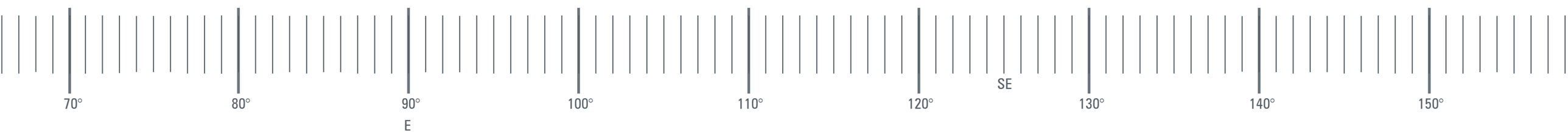
View Location 04 - Wireframe view - 350 metres tip height parameter

Figure 208 View location 04 (night time): Wireframe view – 350-metre tip height parameter



View Location 04 - on 40 Wharf Street, Port Albert - Facing east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.22pm on 28/12/21
Photo taken at:
160cm above ground level

View location 04:
e: 473688.0705
n: 5719217.5429
rl: 3.702AHD

Approx distance to closest turbine
15462m

Project ref: 2019/0520
Dwg no.: VIA-159
Date: 03/02/26
Revision: P9

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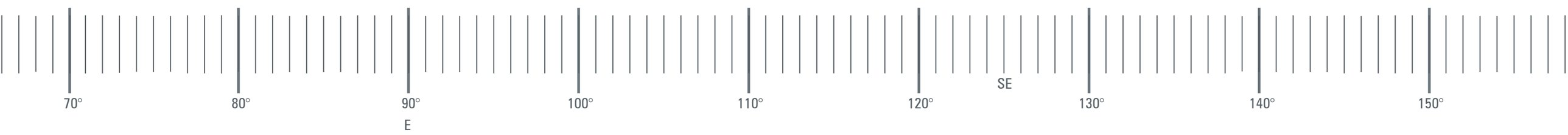
Figure 209 View location 04 (night time): Photomontage view – 350-metre tip height parameter



View Location 04 - on 40 Wharf Street, Port Albert - Facing east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
10.22pm on 28/12/21
Photo taken at:
160cm above ground level

View location 04:
e: 473688.0705
n: 5719217.5429
rl: 3.702AHD

Approx distance to closest turbine
15462m

Project ref: 2019/0520
Dwg no.: VIA-160
Date: 03/02/26
Revision: P9

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View location 04 (night time) - Impact assessment

The assessment of seascape, landscape, and visual impact of the proposed project infrastructure (271-metre tip height and 350-metre tip height parameters) at view location 04, at night time, is summarised in Tables 72 and 73 below.

Table 72 271-metre tip height parameter impact assessment - view location 04 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Moderate	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 208) illustrates that the magnitude of visibility of the proposed project infrastructure is 'moderate'.
Nature of receptors	Moderate	The view location is within the Port Albert Wharf precinct, which is a prominent civic space and provides scenic views of the coastal islands and waterways. It is considered a popular destination for local residents and visitors.
Number of receptors	Low	The view location within the public realm is assumed to be a low number of visitors at night.
Frequency	Low	Individual receptors are assumed to visit this view location infrequently.
Duration	Low	The duration of stay at this view location is assumed to be very low at night.
Receptor sensitivity	Low	Receptor sensitivity at this view location is assessed as 'low'.
Overall impact assessment	Low	

Table 73 350-metre tip height parameter impact assessment - view location 04 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Moderate	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 210) illustrates that the magnitude of visibility of the proposed project infrastructure is 'moderate'.
Nature of receptors	Moderate	The view location is within the Port Albert Wharf precinct, which is a prominent civic space and provides scenic views of the coastal islands and waterways. It is considered a popular destination for local residents and visitors.
Number of receptors	Low	The view location within the public realm is assumed to be a low number of visitors at night.
Frequency	Low	Individual receptors are assumed to visit this view location infrequently.
Duration	Low	The duration of stay at this view location is assumed to be very low at night.
Receptor sensitivity	Low	Receptor sensitivity at this view location is assessed as 'low'.
Overall impact assessment	Low	

Anticipated impact

The final impact assessments for view location 04 – determined based on landscape/seascape value, magnitude of visibility of the proposed project infrastructure, and receptor sensitivity for both 271-metre tip height and 350-metre tip height parameters – are assessed as 'moderate' at night time.

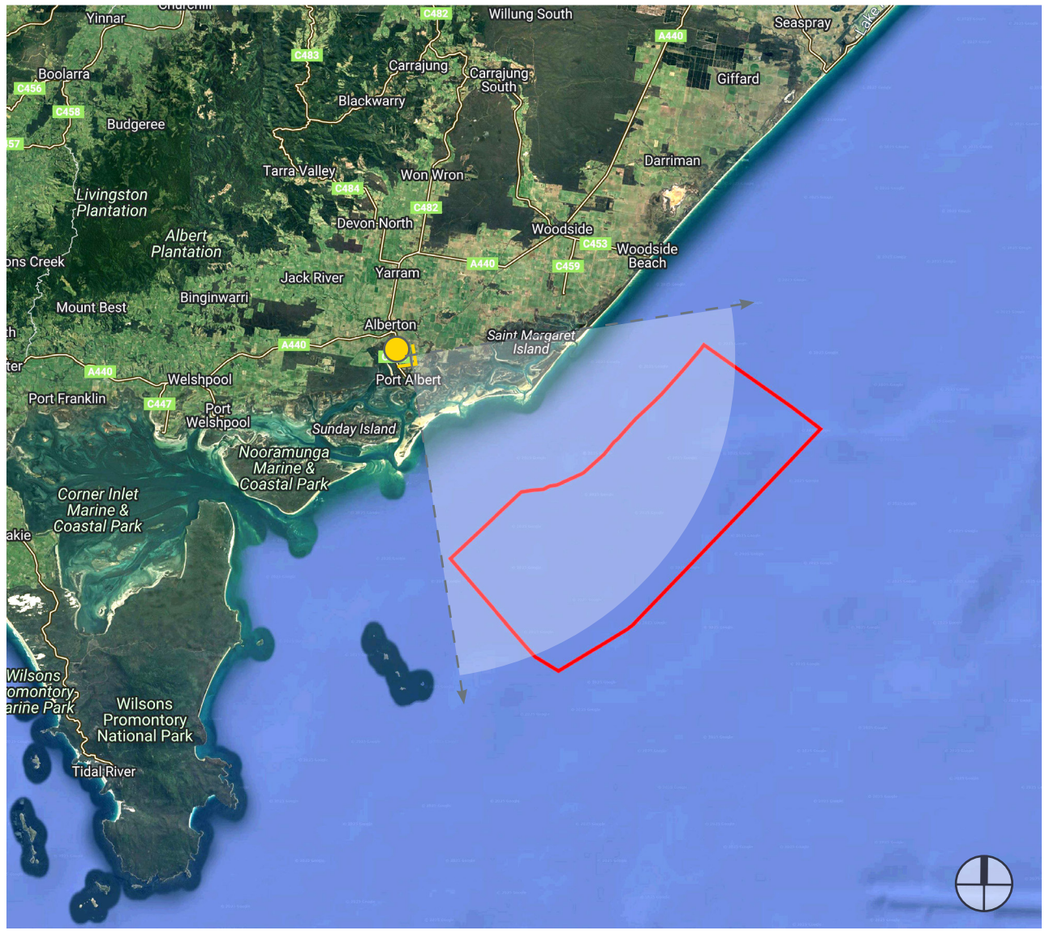
9.6.4 View location 05 - 57 Lindsay St, Tarraville (night time) (Impact ID: SLVR04)

Location

View location 05 is located at Barry Place, Tarraville and is adjacent to private property at 57 Lindsay Street, Tarraville. The view is oriented to the south-east towards the proposed offshore wind farm project infrastructure, with the closest turbines being approximately 17.1 kilometres from the view location.

Rationale for selection

The proposed project infrastructure is visible from the view location at day time (refer to the daytime impact assessment in Section 9.5) and is considered to be representative of views readily available within the public realm towards the proposed offshore wind farm and transmission infrastructure lighting at night from Tarraville township.



Camera location

View Location 05 - Existing view

Figure 210 View location 05 (night time): Existing view

70° 80° 90° 100° 110° 120° SE 130° 140° 150°
E

View Location 05 - on Barry Place, Tarraville and is adjacent to private property at 57 Lindsay Street, Tarraville - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 05:
e: 475935.4858
n: 5722977.7629
rl: 4.481AHD

Project ref: 2019/0520
Dwg no.: VIA-161
Date: 03/02/26
Revision: P9

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View Location 05 - Wireframe view - 271 metres tip height parameter

Figure 211 View location 05 (night time): Wireframe view – 271-metre tip height parameter

70° 80° 90° 100° 110° 120° SE 130° 140° 150°

E

View Location 05 - on Barry Place, Tarraville and is adjacent to private property at 57 Lindsay Street, Tarraville - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 05:
e: 475935.4858
n: 5722977.7629
rl: 4.481AHD

Approx distance to closest turbine
17209m

Project ref: 2019/0520
Dwg no.: VIA-162
Date: 03/02/26
Revision: P9

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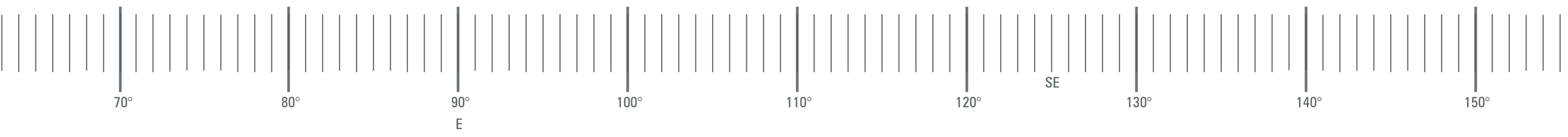
View Location 05 - Photomontage view - 271 metres tip height parameter

Figure 212 View location 05 (night time): Photomontage view – 271-metre tip height parameter



View Location 05 - on Barry Place, Tarraville and is adjacent to private property at 57 Lindsay Street, Tarraville - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 05:
e: 475935.4858
n: 5722977.7629
rl: 4.481AHD

Approx distance to closest turbine
17209m

Project ref: 2019/0520
Dwg no.: VIA-163
Date: 03/02/26
Revision: P9

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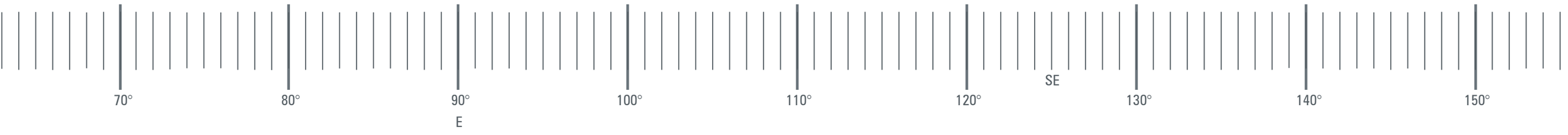
View Location 05 - Wireframe view - 350 metres tip height parameter

Figure 213 View location 05 (night time): Wireframe view – 350-metre tip height parameter



View Location 05 - on Barry Place, Tarraville and is adjacent to private property at 57 Lindsay Street, Tarraville - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 05:
e: 475935.4858
n: 5722977.7629
rl: 4.481AHD

Approx distance to closest turbine
17229m

Project ref: 2019/0520
Dwg no.: VIA-164
Date: 03/02/26
Revision: P9

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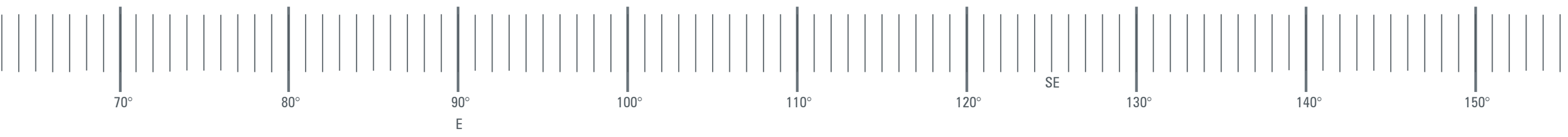
View Location 05 - Photomontage view - 350 metres tip height parameter

Figure 214 View location 05 (night time): Photomontage view – 350-metre tip height parameter



View Location 05 - on Barry Place, Tarraville and is adjacent to private property at 57 Lindsay Street, Tarraville - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 05:
e: 475935.4858
n: 5722977.7629
rl: 4.481AHD

Approx distance to closest turbine
17229m

Project ref: 2019/0520
Dwg no.: VIA-165
Date: 03/02/26
Revision: P9

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View location 05 (night time) - Impact assessment

The assessment of seascape, landscape, and visual impact of the proposed project infrastructure (271-metre tip height and 350-metre tip height parameters) at view location 05, at night time, is summarised in Tables 74 and 75 below.

Table 74 271-metre tip height parameter impact assessment - view location 05 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Nil	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 213) illustrates that the magnitude of visibility of the proposed project infrastructure is 'nil', with no proposed infrastructure visible.
Nature of receptors	High	The view location is at Barry Place. Receptors would typically be local residents or travelers.
Number of receptors	Low	Barry Place is a local road used primarily for access to adjacent property. At the 2021 census, Tarraville had a population of 69 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). The number of receptors is assumed to be very low at night.
Frequency	Very low	The view location within the public realm is assumed to be a very low number of visitors at night.
Duration	Very low	The duration of stay at this view location is assumed to be very low.
Receptor sensitivity	Very low	Receptor sensitivity at this view location is assessed as 'very low'.
Overall impact assessment	Nil	

Table 75 350-metre tip height parameter impact assessment - view location 05 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Nil	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 215) illustrates that the magnitude of visibility of the proposed project infrastructure is 'nil', with no proposed infrastructure visible.
Nature of receptors	High	The view location is at Barry Place. Receptors would typically be local residents or travelers.
Number of receptors	Low	Barry Place is a local road used primarily for access to adjacent property. At the 2021 census, Tarraville had a population of 69 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). The number of receptors is assumed to be very low at night.
Frequency	Very low	The view location within the public realm is assumed to be a very low number of visitors at night.
Duration	Very low	The duration of stay at this view location is assumed to be very low.
Receptor sensitivity	Very low	Receptor sensitivity at this view location is assessed as 'very low'.
Overall impact assessment	Nil	

Anticipated impact

The final impact assessments for view location 05 – determined based on landscape/seascape value, magnitude of visibility of the proposed project infrastructure, and receptor sensitivity for both 271-metre tip height and 350-metre tip height parameters – are 'nil', as proposed project infrastructure will not be visible.

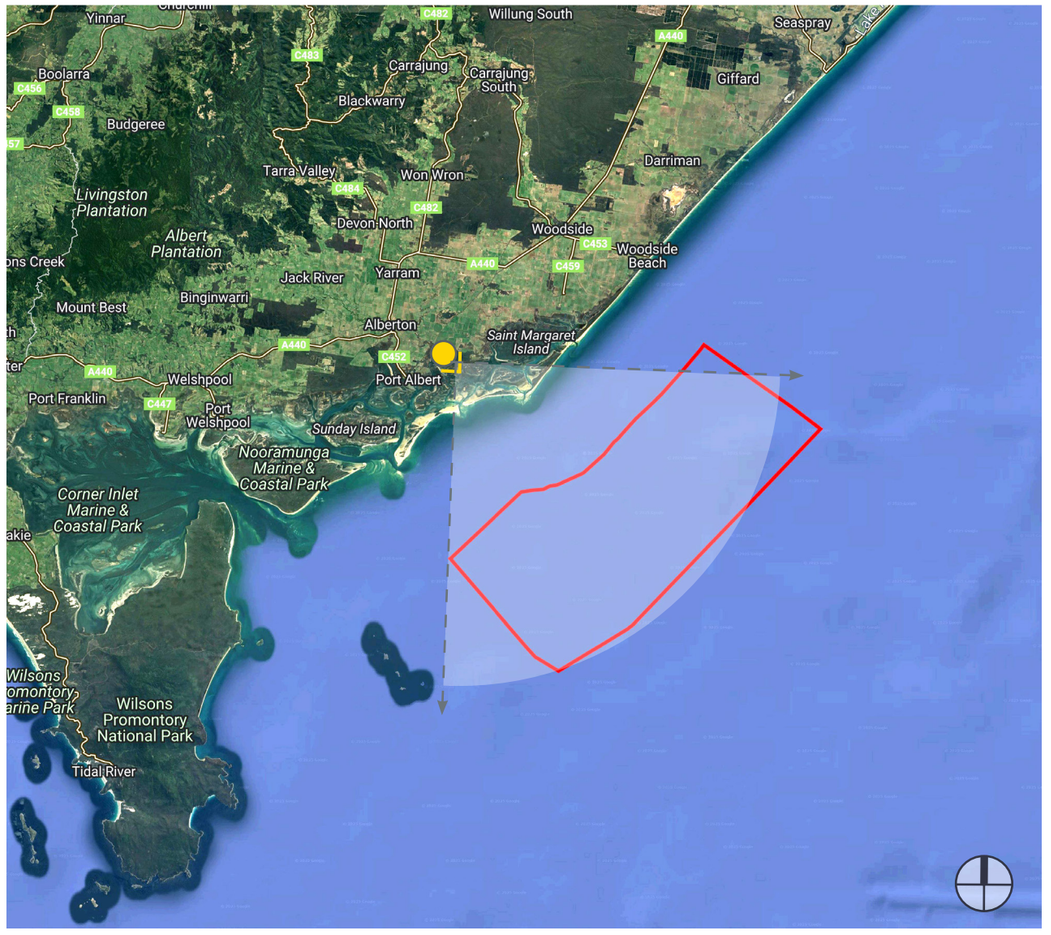
9.6.5 View location 07 - 36 Sarena Pde, Robertsons Beach (night time)(Impact ID: SLVR05)

Location

View location 07 is adjacent to private property at 36 Sarena Parade, Robertsons Beach. The view is oriented to the south-east towards the proposed offshore wind farm project infrastructure, with the closest turbines being approximately 15.1 kilometres from the view location.

Rationale for selection

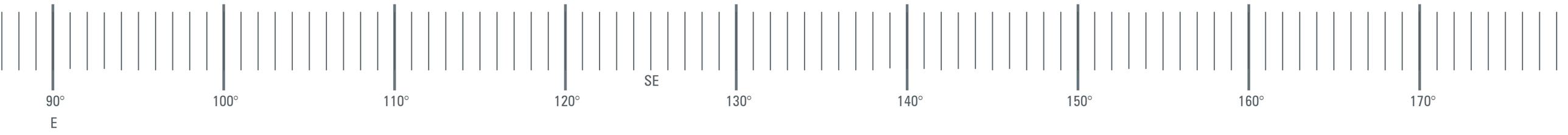
The proposed project infrastructure is visible from the view location at day time (refer to the daytime impact assessment in Section 9.5) and is considered to be representative of views from proximate private residences towards the proposed offshore wind farm and transmission infrastructure lighting at night from Robertsons Beach township.



Camera location

View Location 07 - Existing view

Figure 215 View location 07 (night time): Existing view



View Location 07 - 36 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 07:
e: 476607.5759
n: 5720996.7382
rl: 3.279AHD

Project ref: 2019/0520
Dwg no.: VIA-166
Date: 03/02/26
Revision: P9

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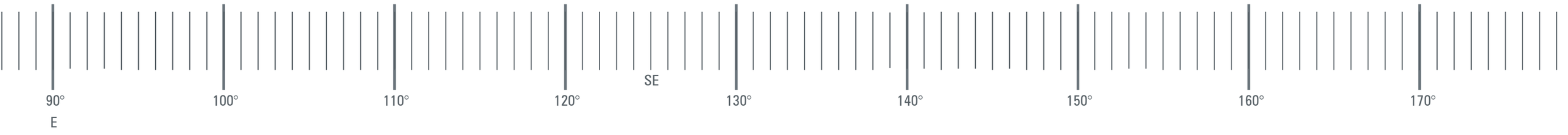
View Location 07 - Wireframe view - 271 metres tip height parameter

Figure 216 View location 07 (night time): Wireframe view – 271-metre tip height parameter



View Location 07 - 36 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 07:
e: 476607.5759
n: 5720996.7382
rl: 3.279AHD

Approx distance to closest turbine
15202m

Project ref: 2019/0520
Dwg no.: VIA-167
Date: 03/02/26
Revision: P9

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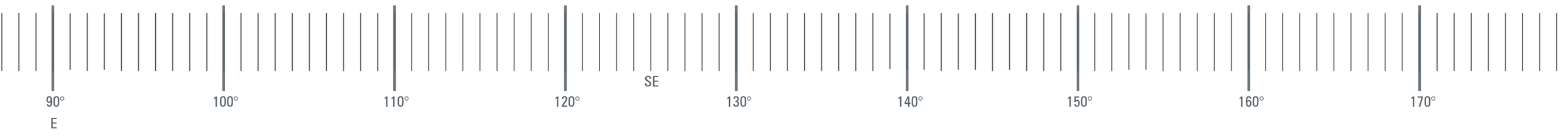
Figure 217 View location 07 (night time): Photomontage view – 271-metre tip height parameter



View Location 07 - 36 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 07:
e: 476607.5759
n: 5720996.7382
rl: 3.279AHD

Approx distance to closest turbine
15202m

Project ref: 2019/0520
Dwg no.: VIA-168
Date: 03/02/26
Revision: P9

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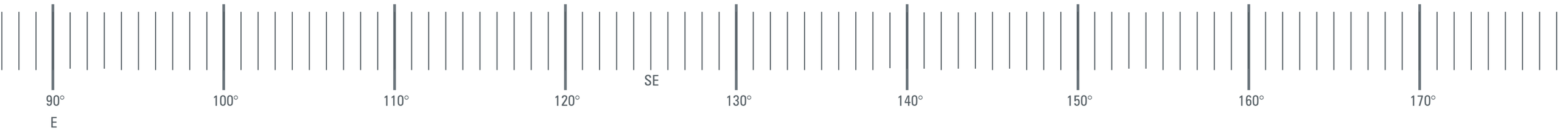
View Location 07 - Wireframe view - 350 metres tip height parameter

Figure 218 View location 07 (night time): Wireframe view – 350-metre tip height parameter



View Location 07 - 36 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 07:
e: 476607.5759
n: 5720996.7382
rl: 3.279AHD

Approx distance to closest turbine
15231m

Project ref: 2019/0520
Dwg no.: VIA-169
Date: 03/02/26
Revision: P9

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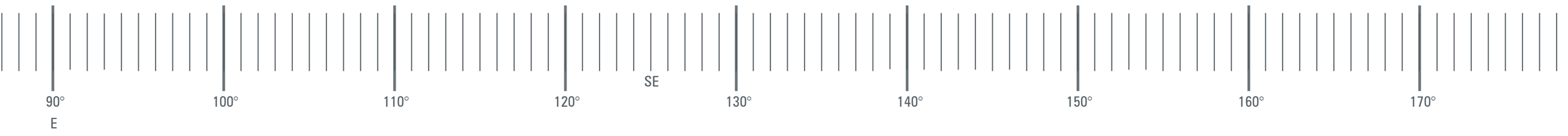
Figure 219 View location 07 (night time): Photomontage view – 350-metre tip height parameter



View Location 07 - 36 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.11pm on 28/12/21
Photo taken at:
160cm above ground level

View location 07:
e: 476607.5759
n: 5720996.7382
rl: 3.279AHD

Approx distance to closest turbine
15231m

Project ref: 2019/0520
Dwg no.: VIA-170
Date: 03/02/26
Revision: P9

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View location 07 (night time) - Impact assessment

The assessment of seascape, landscape, and visual impact of the proposed project infrastructure (271-metre tip height and 350-metre tip height parameters) at view location 07, at night time, is summarised in Tables 76 and 77 below.

Table 76 271-metre tip height parameter impact assessment - view location 07 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Low	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 218) illustrates that the magnitude of visibility of the proposed project infrastructure is 'low'.
Nature of receptors	Very high	The view location is adjacent to private property at 36 Sarena Parade, Robertsons Beach, and is considered to be representative of views from proximate private residences.
Number of receptors	Very low	Sarena Parade is a local parade used primarily for access to adjacent property. At the 2021 census, Robertsons Beach had a population of 49 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). The number of receptors is assumed mainly local residents.
Frequency	Very high	Private residents are assumed to have a very high frequency of visitation.
Duration	Very high	Private residents are assumed to have a very high duration of visitation.
Receptor sensitivity	High	Receptor sensitivity at this view location is assessed as 'high'.
Overall impact assessment	Moderate	

Table 77 350-metre tip height parameter impact assessment - view location 07 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Low	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 220) illustrates that the magnitude of visibility of the proposed project infrastructure is 'low'.
Nature of receptors	Very high	The view location is adjacent to private property at 36 Sarena Parade, Robertsons Beach, and is considered to be representative of views from proximate private residences..
Number of receptors	Very low	Sarena Parade is a local parade used primarily for access to adjacent property. At the 2021 census, Robertsons Beach had a population of 49 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). The number of receptors is assumed mainly local residents.
Frequency	Very high	Private residents are assumed to have a very high frequency of visitation.
Duration	Very high	Private residents are assumed to have a very high duration of visitation.
Receptor sensitivity	High	Receptor sensitivity at this view location is assessed as 'high'.
Overall impact assessment	Moderate	

Anticipated impact

The final impact assessments for view location 07 – determined based on landscape/seascape value, magnitude of visibility of the proposed project infrastructure, and receptor sensitivity for both 271-metre tip height and 350-metre tip height parameters – are assessed as 'moderate' at night time.

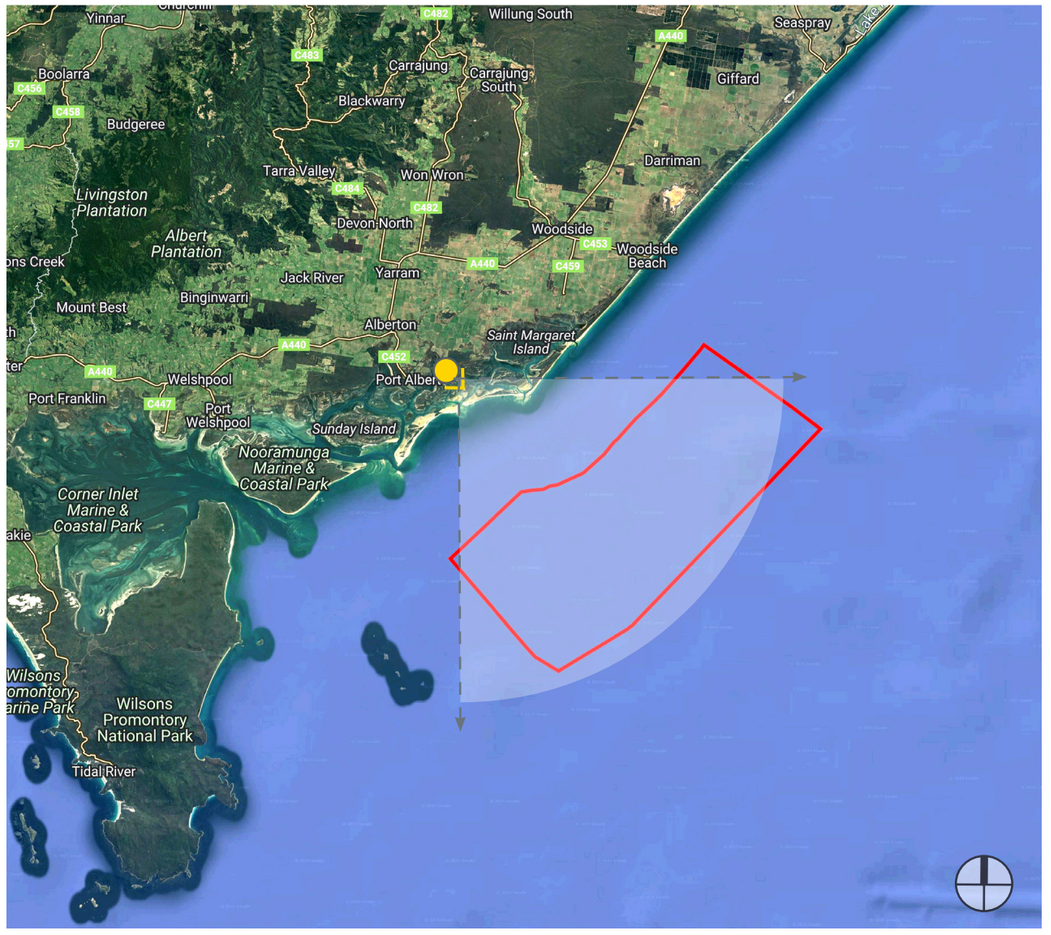
9.6.6 View location 08 - Foreshore reserve, in front of 58 Sarena Pde, Robertsons Beach (night time) (Impact ID: SLVR05)

Location

View location 08 is located at the foreshore reserve in front of 58 Sarena Parade, Robertsons Beach. The view is oriented to the south-east towards the proposed offshore wind farm project infrastructure, with the closest turbines being approximately 15.4 kilometres from the view location.

Rationale for selection

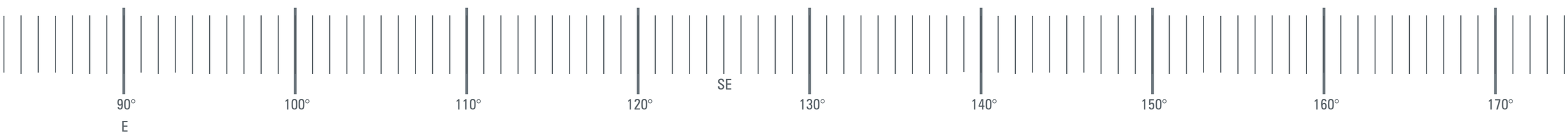
The proposed project infrastructure is visible from the view location at day time (refer to the daytime impact assessment in Section 9.5) and is considered to be representative of views readily available within the public realm towards the proposed offshore wind farm and transmission infrastructure lighting at night from Robertsons Beach township.



Camera location

View Location 08 - Existing view

Figure 220 View location 08 (night time): Existing view



View Location 08 - the foreshore reserve in front of 58 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.02pm on 28/12/21
Photo taken at:
160cm above ground level

View location 08:
e: 476369.4271
n: 5721132.4727
rl: 3.31AHD

Project ref: 2019/0520
Dwg no.: VIA-171
Date: 03/02/26
Revision: P9

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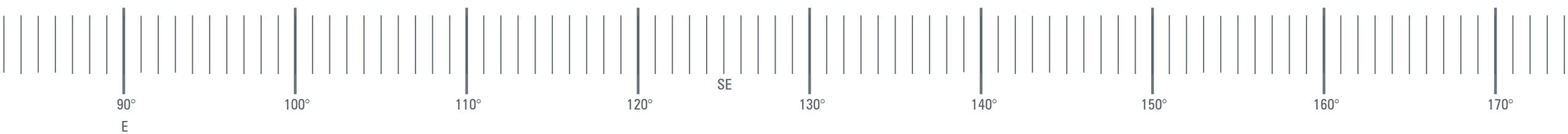
View Location 08 - Wireframe view - 271 metres tip height parameter

Figure 221 View location 08 (night time): Wireframe view – 271-metre tip height parameter



View Location 08 - the foreshore reserve in front of 58 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.02pm on 28/12/21
Photo taken at:
160cm above ground level

View location 08:
e: 476369.4271
n: 5721132.4727
rl: 3.31AHD

Approx distance to closest turbine
15452m

Project ref: 2019/0520
Dwg no.: VIA-172
Date: 03/02/26
Revision: P9

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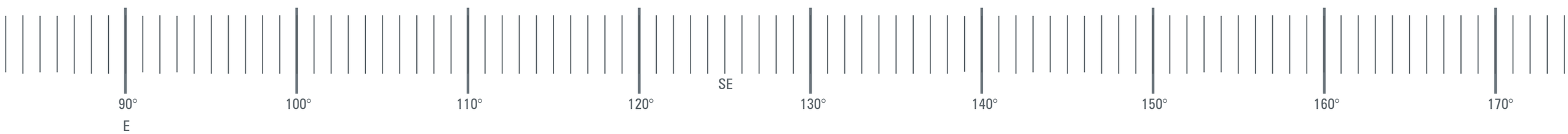
View Location 08 - Photomontage view - 271 metres tip height parameter

Figure 222 View location 08 (night time): Photomontage view – 271-metre tip height parameter



View Location 08 - the foreshore reserve in front of 58 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.02pm on 28/12/21
Photo taken at:
160cm above ground level

View location 08:
e: 476369.4271
n: 5721132.4727
rl: 3.31AHD

Approx distance to closest turbine
15452m

Project ref: 2019/0520
Dwg no.: VIA-173
Date: 03/02/26
Revision: P9

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View Location 08 - Wireframe view - 350 metres tip height parameter

Figure 223 View location 08 (night time): Wireframe view – 350-metre tip height parameter

90° E 100° 110° 120° SE 130° 140° 150° 160° 170°

View Location 08 - the foreshore reserve in front of 58 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.02pm on 28/12/21
Photo taken at:
160cm above ground level

View location 08:
e: 476369.4271
n: 5721132.4727
rl: 3.31AHD

Approx distance to closest turbine
15482m

Project ref: 2019/0520
Dwg no.: VIA-174
Date: 03/02/26
Revision: P9

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View Location 08 - Photomontage view - 350 metres tip height parameter

Figure 224 View location 08 (night time): Photomontage view – 350-metre tip height parameter

90° E 100° 110° 120° SE 130° 140° 150° 160° 170°

View Location 08 - the foreshore reserve in front of 58 Sarena Parade, Robertsons Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 26/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.02pm on 28/12/21
Photo taken at:
160cm above ground level

View location 08:
e: 476369.4271
n: 5721132.4727
rl: 3.31AHD

Approx distance to closest turbine
15482m

Project ref: 2019/0520
Dwg no.: VIA-175
Date: 03/02/26
Revision: P9

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View location 08 (night time) - Impact assessment

The assessment of seascape, landscape, and visual impact of the proposed project infrastructure (271-metre tip height and 350-metre tip height parameters) at view location 08, at night time, is summarised in Tables 78 and 79 below.

Table 78 271-metre tip height parameter impact assessment - view location 08 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Low	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 223) illustrates that the magnitude of visibility of the proposed project infrastructure is 'low'.
Nature of receptors	High	The view location is at Sarena Parade, Robertsons Beach. Receptors would typically be local residents visit this pocket park.
Number of receptors	Low	The foreshore reserve serves as a community pocket park primarily utilised by local residents. Consequently, it is assumed that the number of receptors is low at night.
Frequency	Low	Individual receptors are assumed to visit this view location infrequently at night.
Duration	Very low	The duration of stay at this view location is assumed to be very low.
Receptor sensitivity	Low	Receptor sensitivity at this view location is assessed as 'low'.
Overall preliminary impact assessment	Low	

Table 79 350-metre tip height parameter impact assessment - view location 08 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Low	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 225) illustrates that the magnitude of visibility of the proposed project infrastructure is 'low'.
Nature of receptors	High	The view location is at Sarena Parade, Robertsons Beach. Receptors would typically be local residents visit this pocket park.
Number of receptors	Low	The foreshore reserve serves as a community pocket park primarily utilised by local residents. Consequently, it is assumed that the number of receptors is low at night.
Frequency	Low	Individual receptors are assumed to visit this view location infrequently at night.
Duration	Very low	The duration of stay at this view location is assumed to be very low.
Receptor sensitivity	Low	Receptor sensitivity at this view location is assessed as 'low'.
Overall preliminary impact assessment	Low	

Anticipated impact

The final impact assessments for view location 08 – determined based on landscape/seascape value, magnitude of visibility of the proposed project infrastructure, and receptor sensitivity for both 271-metre tip height and 350-metre tip height parameters – are assessed as 'low' at night time.

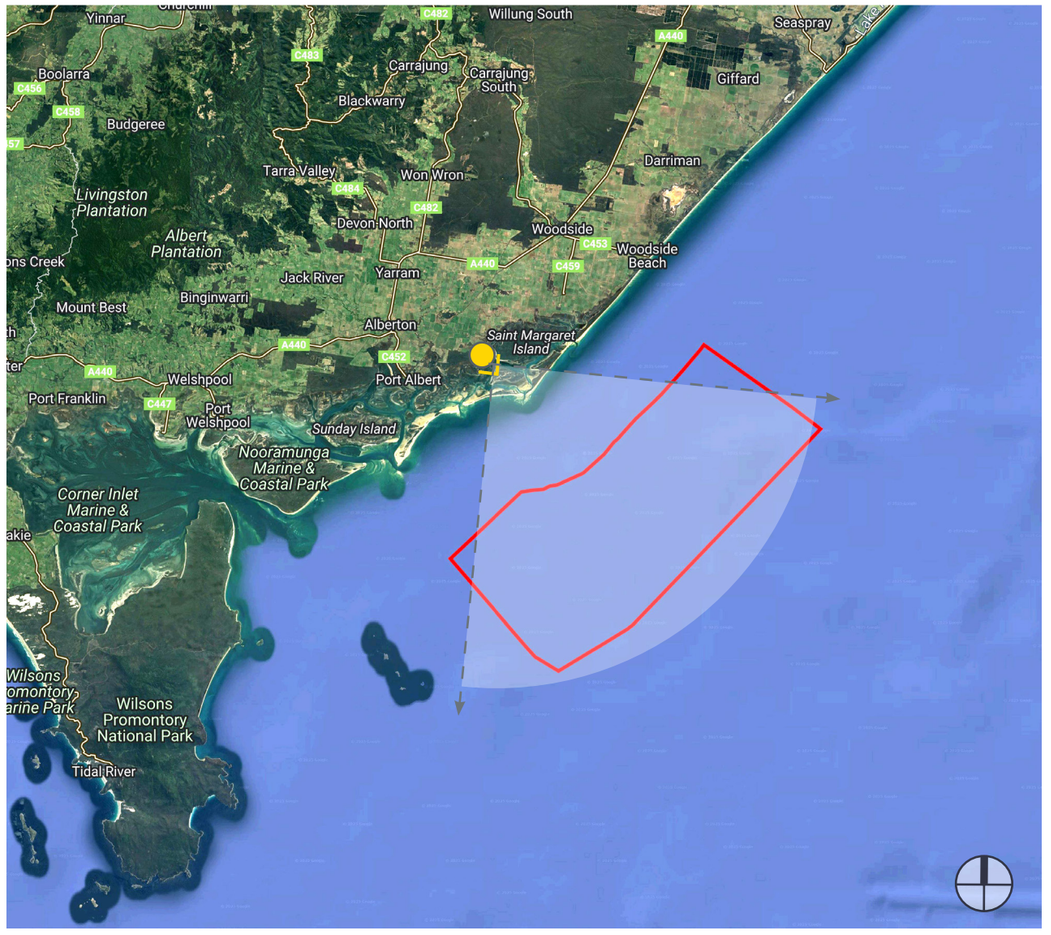
9.6.7 View location 09 - David St, Manns Beach public car park (night time) (Impact ID: SLVR05)

Location

View location 09 is at the public car park located at David Street, Manns Beach. The view is oriented to the south-east towards the proposed offshore wind farm project infrastructure, with the closest turbines being approximately 15 kilometres from the view location.

Rationale for selection

The proposed project infrastructure is visible from the view location at day time (refer to the daytime impact assessment in Section 9.5) and is considered to be representative of views readily available within the public realm towards the proposed offshore wind farm and transmission infrastructure lighting at night from Manns Beach township.



Camera location

View Location 09 - Existing view

Figure 225 View location 09 (night time): Existing view

View Location 09 - the public car park located at David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.40pm on 28/12/21
Photo taken at:
160cm above ground level

View location 09:
e: 481366.2357
n: 5722472.3958
rl: 3.137AHD

Project ref: 2019/0520
Dwg no.: VIA-176
Date: 03/02/26
Revision: P9

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View Location 09 - Wireframe view - 271 metres tip height parameter

Figure 226 View location 09 (night time): Wireframe view – 271-metre tip height parameter

View Location 09 - the public car park located at David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.40pm on 28/12/21
Photo taken at:
160cm above ground level

View location 09:
e: 481366.2357
n: 5722472.3958
rl: 3.137AHD

Approx distance to closest turbine
14373m

Project ref: 2019/0520
Dwg no.: VIA-177
Date: 03/02/26
Revision: P9

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Figure 227 View location 09 (night time): Photomontage view – 271-metre tip height parameter

View Location 09 - the public car park located at David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.40pm on 28/12/21
Photo taken at:
160cm above ground level

View location 09:
e: 481366.2357
n: 5722472.3958
rl: 3.137AHD

Approx distance to closest turbine
14373m

Project ref: 2019/0520
Dwg no.: VIA-178
Date: 03/02/26
Revision: P9

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View Location 09 - Wireframe view - 350 metres tip height parameter

Figure 228 View location 09 (night time): Wireframe view – 350-metre tip height parameter

View Location 09 - the public car park located at David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.40pm on 28/12/21
Photo taken at:
160cm above ground level

View location 09:
e: 481366.2357
n: 5722472.3958
rl: 3.137AHD

Approx distance to closest turbine
14389m

Project ref: 2019/0520
Dwg no.: VIA-179
Date: 03/02/26
Revision: P9

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View Location 09 - Photomontage view - 350 metres tip height parameter

Figure 229 View location 09 (night time): Photomontage view – 350-metre tip height parameter

View Location 09 - the public car park located at David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.40pm on 28/12/21
Photo taken at:
160cm above ground level

View location 09:
e: 481366.2357
n: 5722472.3958
rl: 3.137AHD

Approx distance to closest turbine
14389m

Project ref: 2019/0520
Dwg no.: VIA-180
Date: 03/02/26
Revision: P9

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View location 09 (night time) - Impact assessment

The assessment of seascape, landscape, and visual impact of the proposed project infrastructure (271-metre tip height and 350-metre tip height parameters) at view location 09, at night time, is summarised in Tables 80 and 81 below.

Table 80 271-metre tip height parameter impact assessment - view location 09 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Very low	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 228) illustrates that the magnitude of visibility of the proposed project infrastructure is 'very low'.
Nature of receptors	High	The view location is at David Street, Manns Beach. Receptors would typically be local residents engaging in recreational activities.
Number of receptors	Low	The view location within the public realm is assumed to be a low number of visitors at night.
Frequency	Low	Individual receptors are assumed to visit this view location infrequently at night.
Duration	Very low	The duration of stay at this view location is assumed to be very low.
Receptor sensitivity	Low	Receptor sensitivity at this view location is assessed as 'low'.
Overall impact assessment	Low	

Table 81 350-metre tip height parameter impact assessment - view location 09 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Very low	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 230) illustrates that the magnitude of visibility of the proposed project infrastructure is 'very low'.
Nature of receptors	High	The view location is at David Street, Manns Beach. Receptors would typically be local residents engaging in recreational activities.
Number of receptors	Low	The view location within the public realm is assumed to be a low number of visitors at night.
Frequency	Low	Individual receptors are assumed to visit this view location infrequently at night.
Duration	Very low	The duration of stay at this view location is assumed to be very low.
Receptor sensitivity	Low	Receptor sensitivity at this view location is assessed as 'low'.
Overall impact assessment	Low	

Anticipated impact

The final impact assessments for view location 09 – determined based on landscape/seascape value, magnitude of visibility of the proposed project infrastructure, and receptor sensitivity for both 271-metre tip height and 350-metre tip height parameters – are assessed as 'low' at night time.

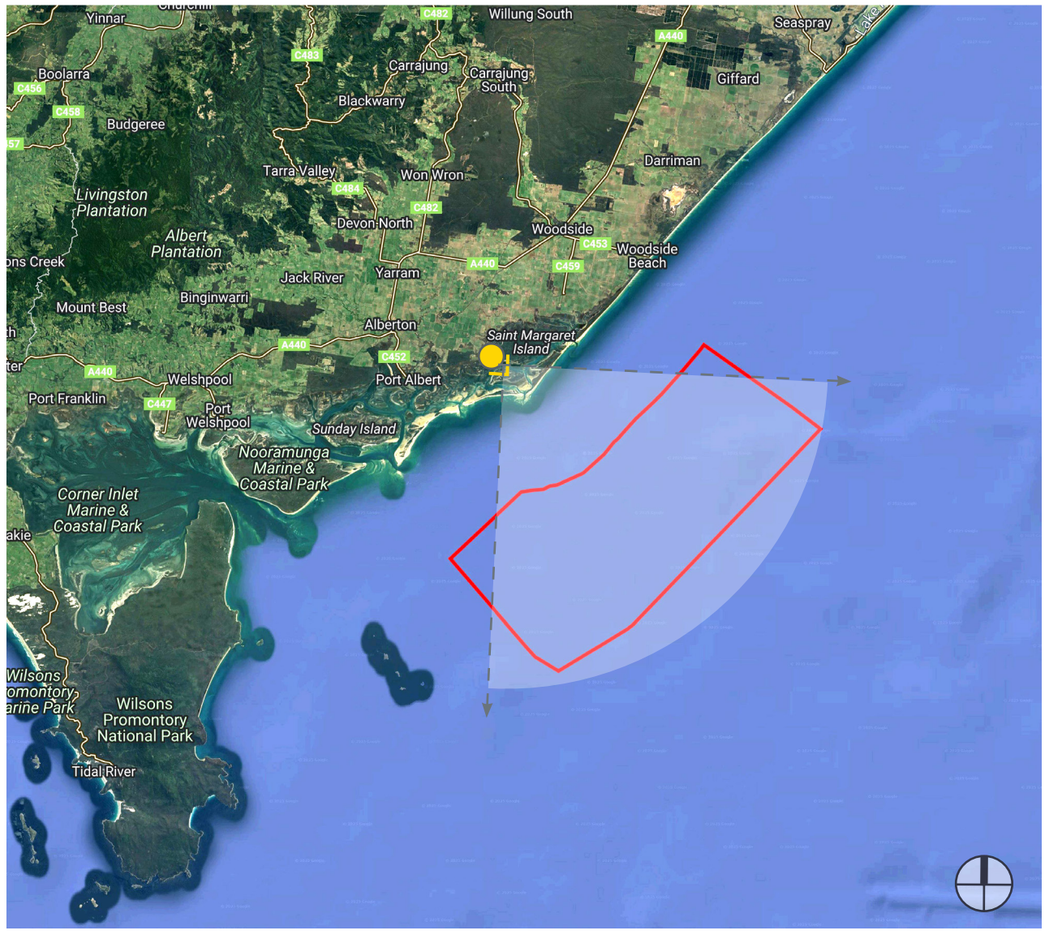
9.6.8 View location 10 - 1 David St, Manns Beach (night time)(Impact ID: SLVR04)

Location

View location 10 is adjacent to private property at 1 David Street, Manns Beach. The view is oriented to the south-east towards the proposed offshore wind farm project infrastructure, with the closest turbines being approximately 15 kilometres from the view location.

Rationale for selection

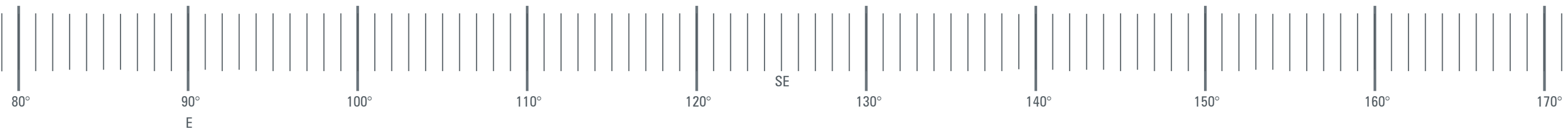
The proposed project infrastructure is visible from the view location at day time (refer to the daytime impact assessment in Section 9.5) and is considered to be representative of views from proximate private residences towards the proposed offshore wind farm and transmission infrastructure lighting at night from Manns Beach township.



Camera location

View Location 10 - Existing view

Figure 230 View location 10 (night time): Existing view



View Location 10 - 1 David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.32pm on 28/12/21
Photo taken at:
160cm above ground level

View location 10:
e: 481243.2796
n: 5722460.7038
rl: 3.076AHD

Project ref: 2019/0520
Dwg no.: VIA-181
Date: 03/02/26
Revision: P9

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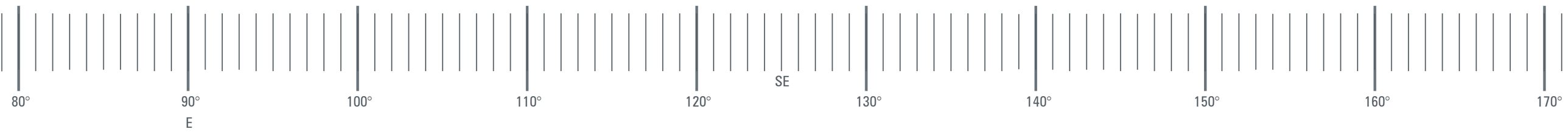
View Location 10 - Wireframe view - 271 metres tip height parameter

Figure 231 View location 10 (night time): Wireframe view – 271-metre tip height parameter



View Location 10 - 1 David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.32pm on 28/12/21
Photo taken at:
160cm above ground level

View location 10:
e: 481243.2796
n: 5722460.7038
rl: 3.076AHD

Approx distance to closest turbine
14399m

Project ref: 2019/0520
Dwg no.: VIA-182
Date: 03/02/26
Revision: P9

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View Location 10 - Photomontage view - 271 metres tip height parameter

Figure 232 View location 10 (night time): Photomontage view – 271-metre tip height parameter

80° 90° E 100° 110° 120° SE 130° 140° 150° 160° 170°

View Location 10 - 1 David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.32pm on 28/12/21
Photo taken at:
160cm above ground level

View location 10:
e: 481243.2796
n: 5722460.7038
rl: 3.076AHD

Approx distance to closest turbine
14399m

Project ref: 2019/0520
Dwg no.: VIA-183
Date: 03/02/26
Revision: P9

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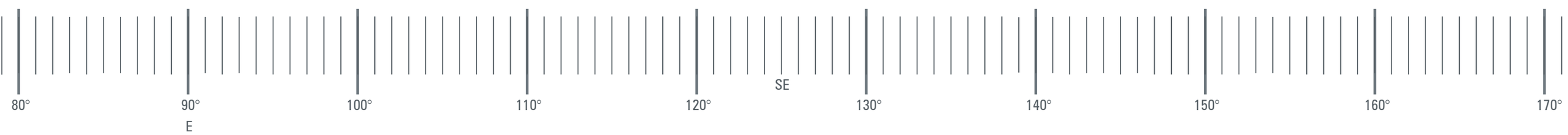
View Location 10 - Wireframe view - 350 metres tip height parameter

Figure 233 View location 10 (night time): Wireframe view – 350-metre tip height parameter



View Location 10 - 1 David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.32pm on 28/12/21
Photo taken at:
160cm above ground level

View location 10:
e: 481243.2796
n: 5722460.7038
rl: 3.076AHD

Approx distance to closest turbine
14414m

Project ref: 2019/0520
Dwg no.: VIA-184
Date: 03/02/26
Revision: P9

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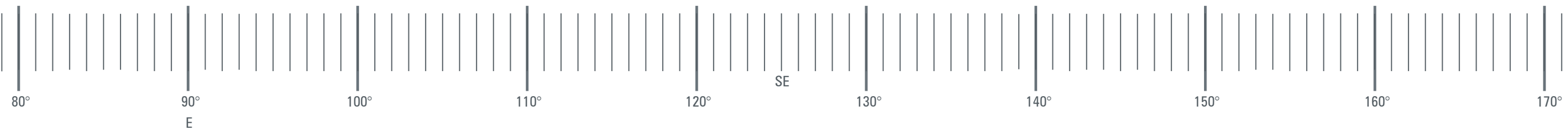
View Location 10 - Photomontage view - 350 metres tip height parameter

Figure 234 View location 10 (night time): Photomontage view – 350-metre tip height parameter



View Location 10 - 1 David Street, Manns Beach - Facing south east towards proposed turbines.

Photomontage created by:
OZ - 3D Visualizer
Images created using:
3ds max 2022, Vray 5, autocad 2020, adobe photoshop, illustrator & InDesign cc 2020
Method used to collect relevant data:
Photo locations surveyed on site by Geocomp Consulting pty ltd on 28/10/21
Camera:
Canon EOS 5Ds Digital SLR
Camera lens:
Canon EF 50mm f/1.8 USM

Photograph taken:
11.32pm on 28/12/21
Photo taken at:
160cm above ground level

View location 10:
e: 481243.2796
n: 5722460.7038
rl: 3.076AHD

Approx distance to closest turbine
14414m

Project ref: 2019/0520
Dwg no.: VIA-185
Date: 03/02/26
Revision: P9

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View location 10 (night time) - Impact assessment

The assessment of seascape, landscape, and visual impact of the proposed project infrastructure (271-metre tip height and 350-metre tip height parameters) at view location 10, at night time, is summarised in Tables 82 and 83 below.

Table 82 271-metre tip height parameter impact assessment - view location 10 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Low	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 233) illustrates that the magnitude of visibility of the proposed project infrastructure is 'low'.
Nature of receptors	Very high	The view location is adjacent to private property at 1 David Street, Manns Beach, and is considered to be representative of views from proximate private residences.
Number of receptors	Very low	David Street is a local street used primarily for access to adjacent property. At the 2021 census, Manns Beach had a population of 29 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). Therefore, the number of receptors is assumed to be very low.
Frequency	Very high	Private residents are assumed to have a very high frequency of visitation.
Duration	Very high	Private residents are assumed to have a very high duration of visitation.
Receptor sensitivity	High	Receptor sensitivity at this view location is assessed as 'high'.
Overall impact assessment	Moderate	

Table 83 350-metre tip height parameter impact assessment - view location 10 (night time)

Assessment criteria	Assessment ranking	Rationale
Landscape value/Seascape value	Low	The value attached to night time views is low unless there is a particular feature that can be best appreciated in the hours of darkness.
Magnitude of visibility	Low	Photomontage imagery prepared to represent the visual impact at this view location (refer to Figure 235) illustrates that the magnitude of visibility of the proposed project infrastructure is 'low'.
Nature of receptors	Very high	The view location is adjacent to private property at 1 David Street, Manns Beach, and is considered to be representative of views from proximate private residences.
Number of receptors	Very low	David Street is a local street used primarily for access to adjacent property. At the 2021 census, Manns Beach had a population of 29 (Australian Bureau of Statistics, QuickStats, accessed 02/02/2024). Therefore, the number of receptors is assumed to be very low.
Frequency	Very high	Private residents are assumed to have a very high frequency of visitation.
Duration	Very high	Private residents are assumed to have a very high duration of visitation.
Receptor sensitivity	High	Receptor sensitivity at this view location is assessed as 'high'.
Overall impact assessment	Moderate	

Anticipated impact

The final impact assessments for view location 10 – determined based on landscape/seascape value, magnitude of visibility of the proposed project infrastructure, and receptor sensitivity for both 271-metre tip height and 350-metre tip height parameters – are assessed as 'moderate' at night time.