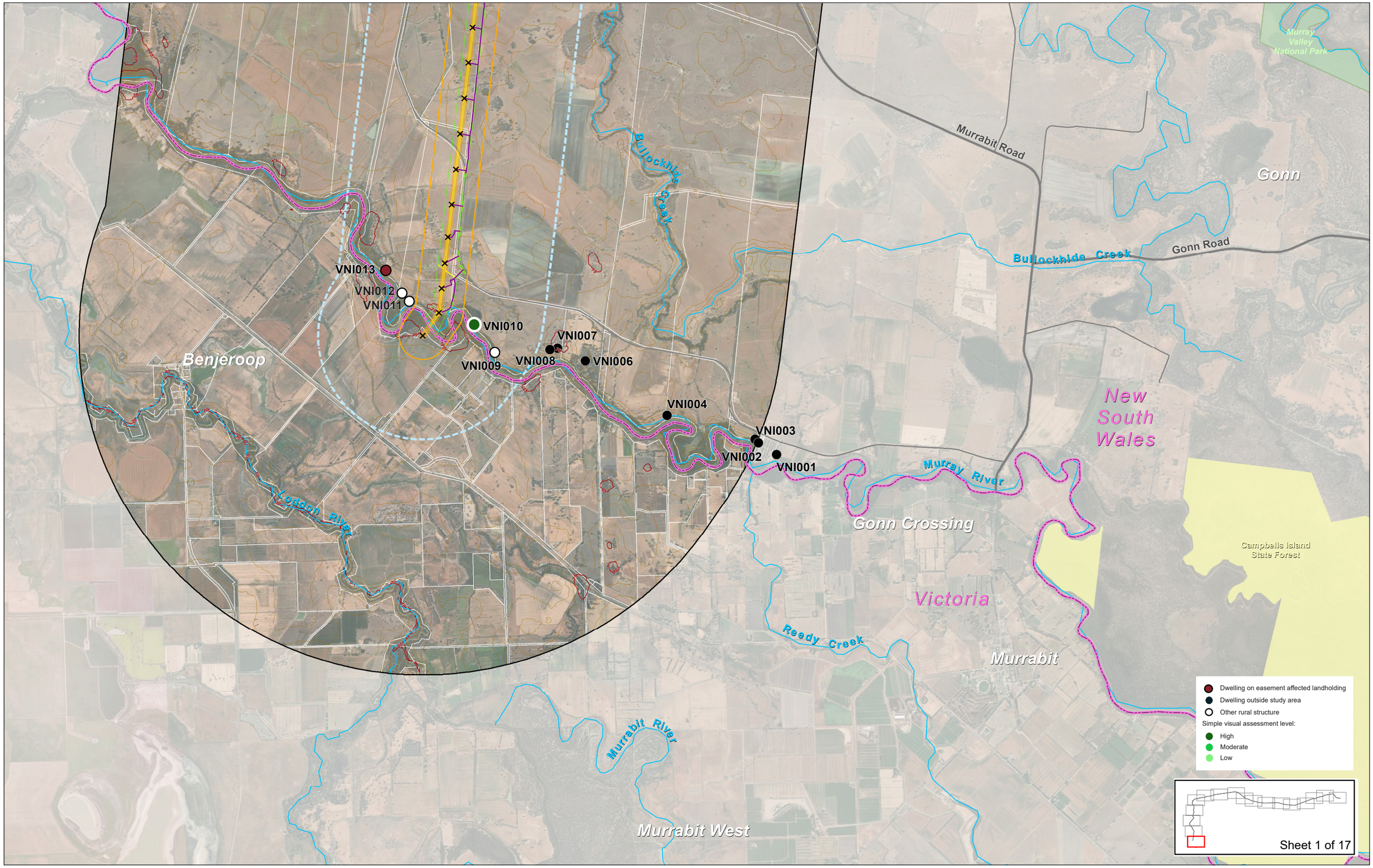
# Appendix K:
# NSW/Victorian Border to Dinawan substation - Private viewpoint assessment result plans




File: VNI-West-SensitiveReceiverPlan-250306

iris

# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

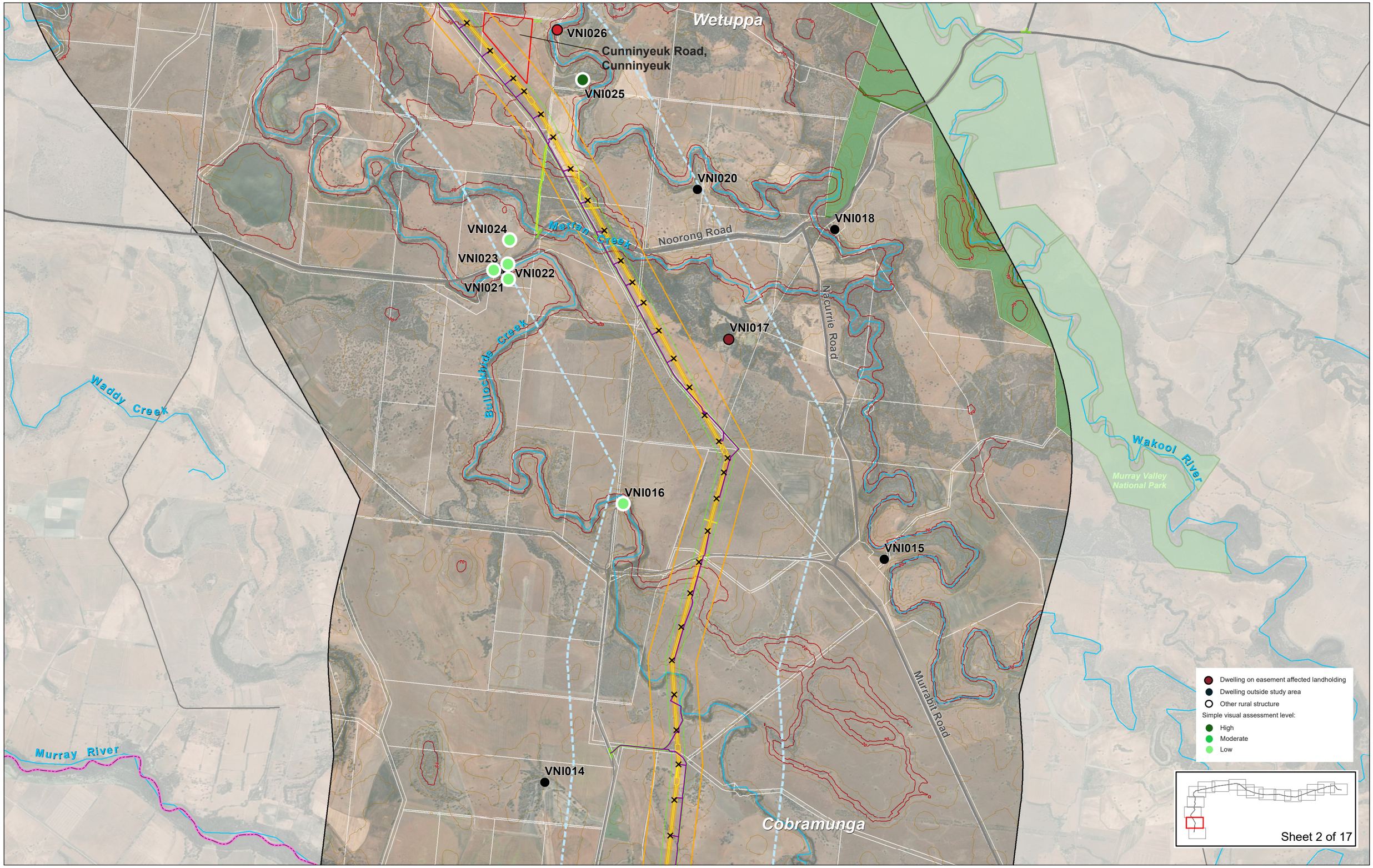
Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0; G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
stingTransmission Lines © Customer Service NSW 2024
NPWS Estate © NSW National Parks and Wildlife 2024
State Forests © Forestry Corporation of NSW 2024

Date: July 2025 K-1




File: VNI-West-SensitiveReceiverPlan-250306

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# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
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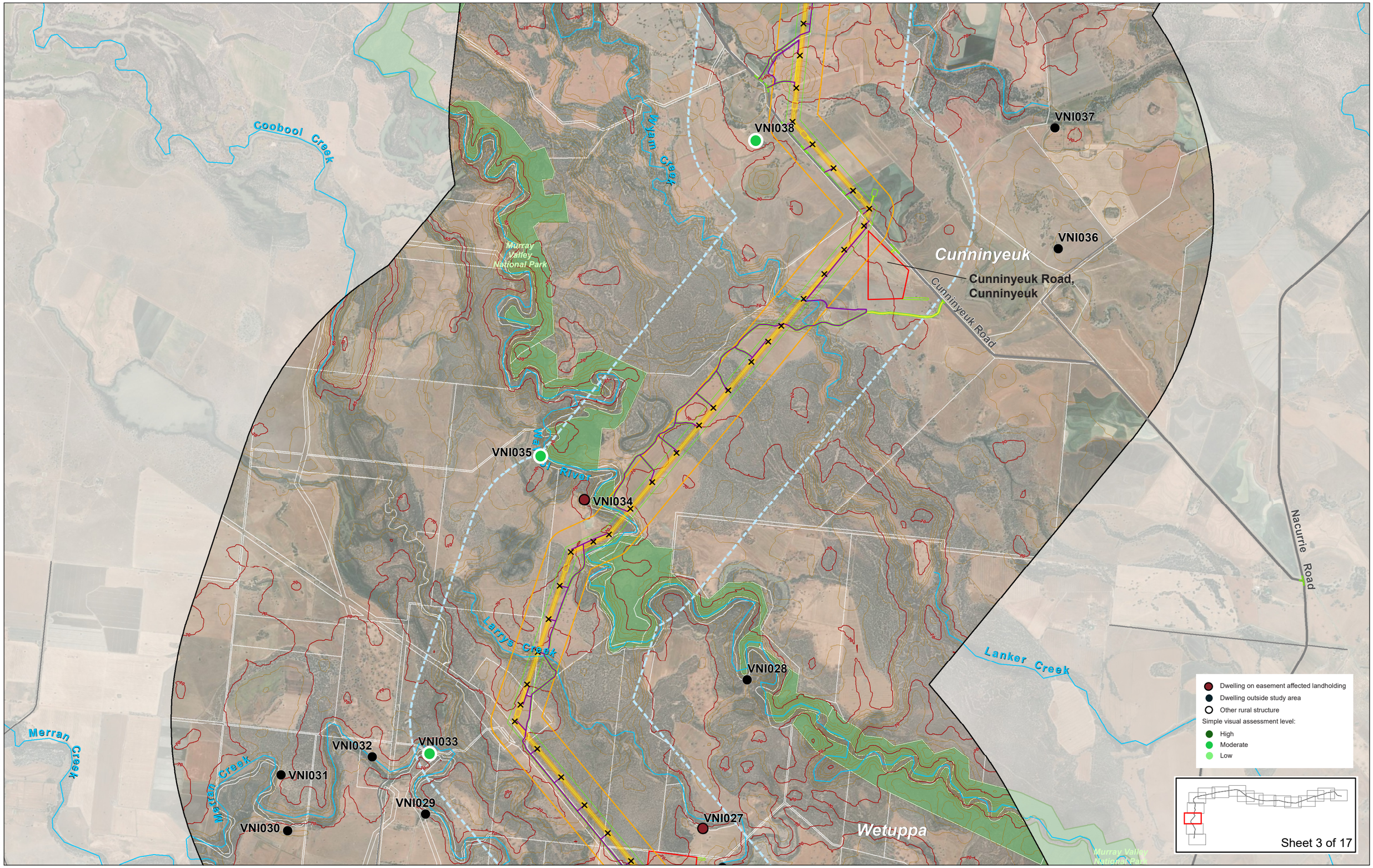
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysis: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
ExistingTransmission Lines © Customer Service NSW 2024
NPWS Estate © NSW National Parks and Wildlife 2024
State Forests © Forestry Corporation of NSW 2024




File: VNI-West-SensitiveReceiverPlan-250306

# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysis: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
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# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
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350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
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# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
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350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysis: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
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# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
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# **VNI West** Landscape and visual impact assessment

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## Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
ltingTransmission Lines © Customer Service NSW 2024
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Date: July 2025 K-7

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# **VNI West** Landscape and visual impact assessment

## Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

nalysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
ltingTransmission Lines © Customer Service NSW 2024
NPWS Estate © NSW National Parks and Wildlife 2024
State Forests © Forestry Corporation of NSW 2024

Date: July 2025

Dwelling on easement affected landholding
Dwelling outside study area
Other rural structure
Simple visual assessment level:
High
Moderate
Low

Sheet 9 of 17

Wanganella-Moulamein Road
Billabong Creek
Forest Anabranch
VNI057
VNI056
VNI058
VNI059
VNI060

File: VNI-West-SensitiveReceiverPlan-250306

iris

# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
ExistingTransmission Lines © Customer Service NSW 2024
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State Forests © Forestry Corporation of NSW 2024

Date: July 2025

Dwelling on easement affected landholding
Dwelling outside study area
Other rural structure
Simple visual assessment level:
High
Moderate
Low

Sheet 10 of 17

Cobb Highway

Wanganella-Moulamein Road

VNI057
VNI058
VNI056
VNI059
VNI060

Billabong Creek

Forest Anabranch

File: VNI-West-SensitiveReceiverPlan-250306

# VNI West Landscape and visual impact assessment

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## Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility

NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
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State Forests © Forestry Corporation of NSW 2024

Date: July 2025 K-10

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# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
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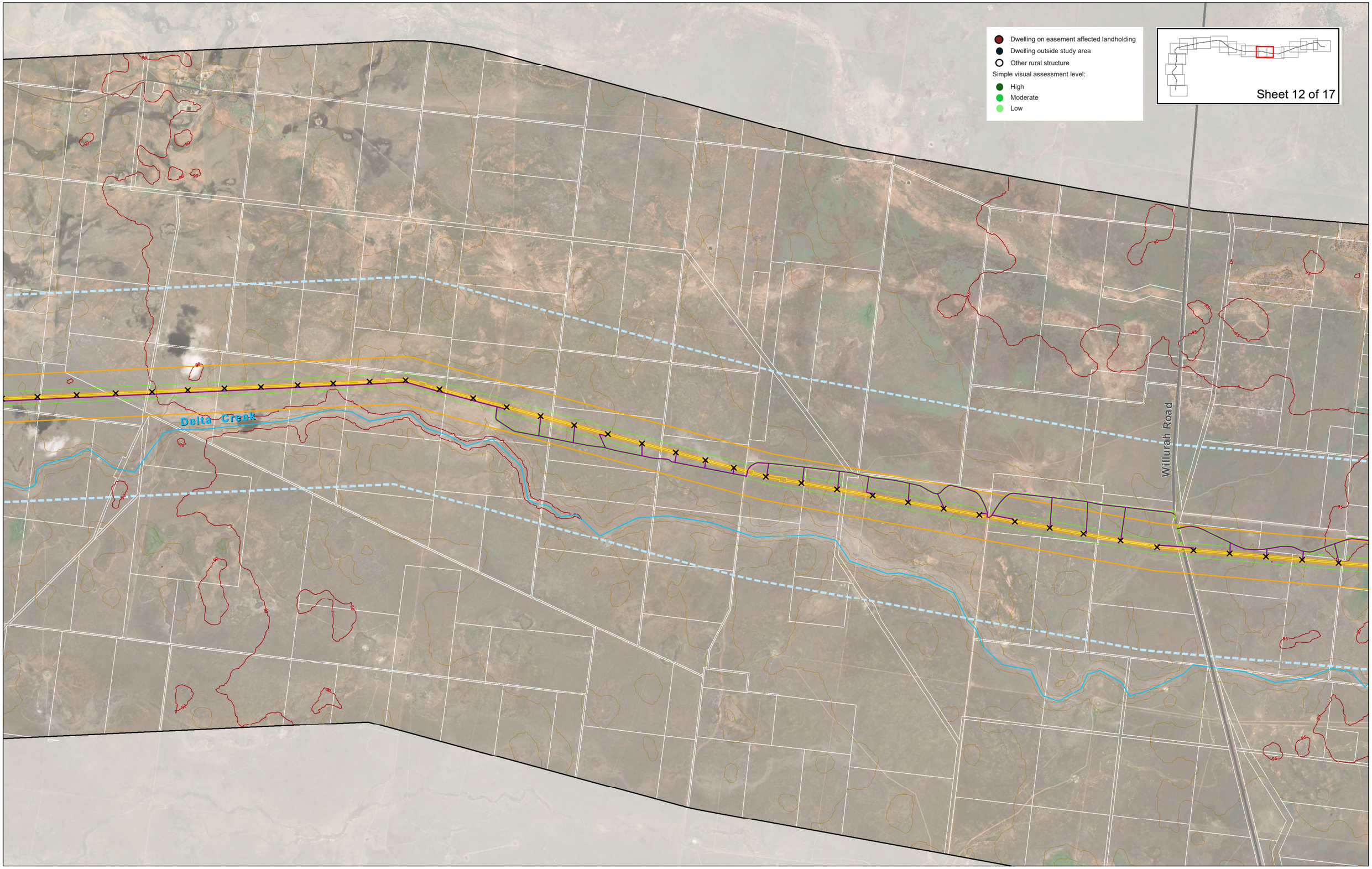


File: VNI-West-SensitiveReceiverPlan-250306

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# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
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Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
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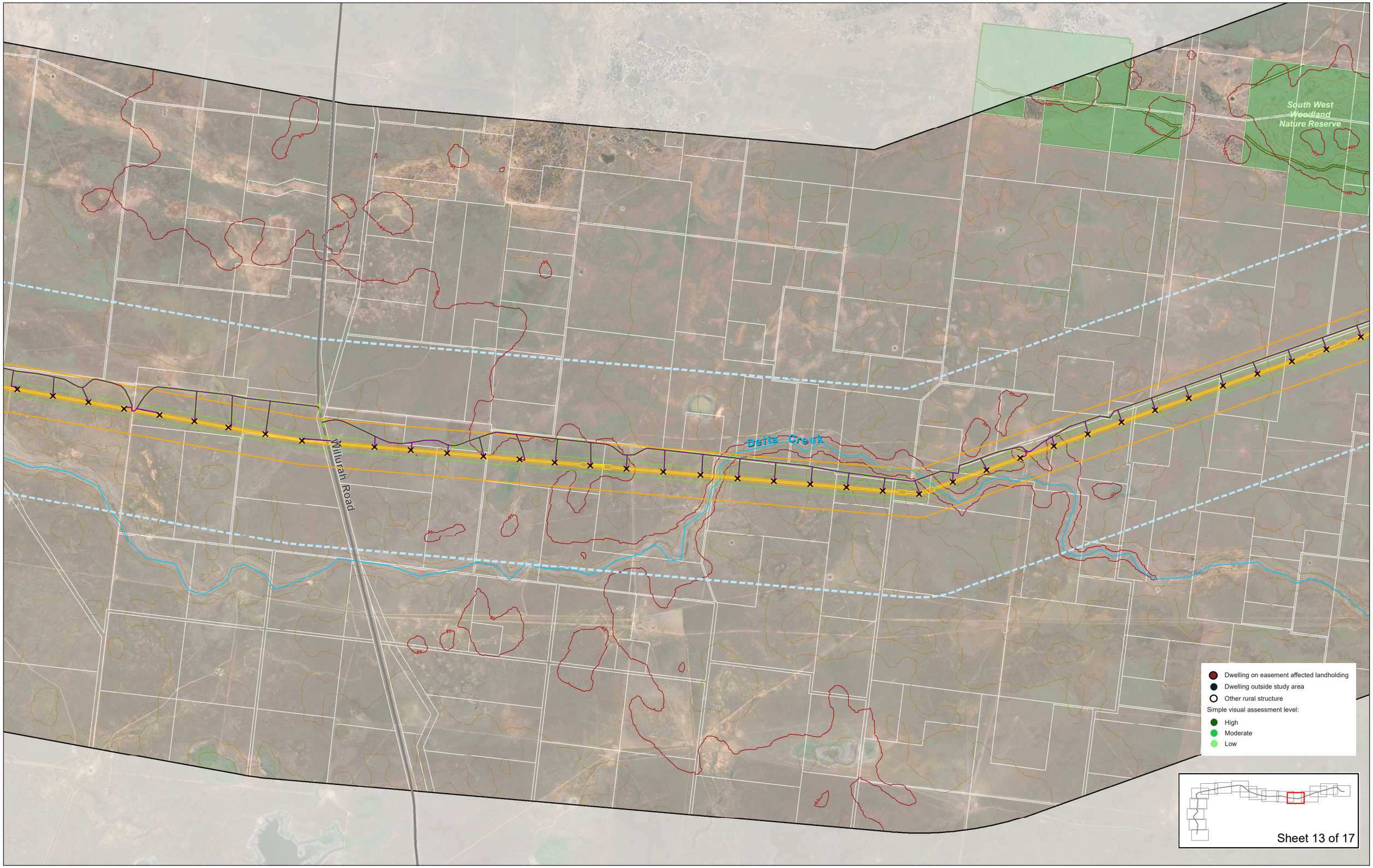
State Forests © Forestry Corporation of NSW 2024

Date: July 2025 K-12




File: VNI-West-SensitiveReceiverPlan-250306

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# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility

NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
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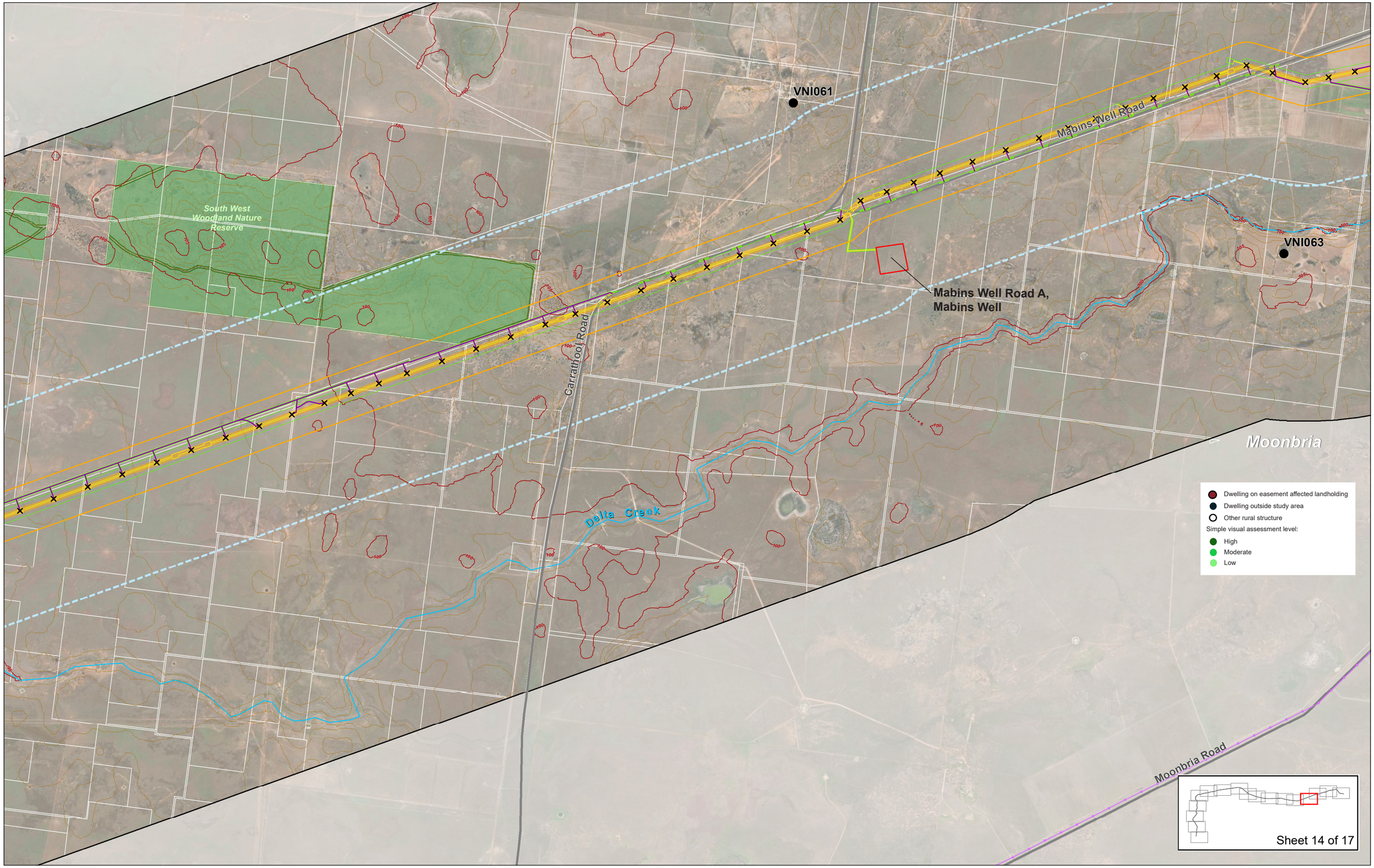
State Forests © Forestry Corporation of NSW 2024

Date: July 2025 K-13

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# **VNI West** Landscape and visual impact assessment

## Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

Analysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0; G.S. Aust. 2011
Imagery: Maxar 2023
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Carrathool Road

VNI062

VNI061

Mabins Well Road

Delta Swamp

Delta Creek

VNI063

Mabins Well Road A,
Mabins Well

Dwelling on easement affected landholding
Dwelling outside study area
Other rural structure
Simple visual assessment level:
High
Moderate
Low

Sheet 15 of 17

File: VNI-West-SensitiveReceiverPlan-250306

iris

# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
Visual impact assessment study area
Landscape character impact assessment study area
350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

nalysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0; G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
ntingTransmission Lines © Customer Service NSW 2024
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State Forests © Forestry Corporation of NSW 2024

Date: July 2025 K-15

Project EnergyConnect

Fernbank Road

Delta Swamp

Mclennons Bore Road

Mabins Well Road

Delta Creek

Wilson Road

Dwelling on easement affected landholding
Dwelling outside study area
Other rural structure
Simple visual assessment level:
High
Moderate
Low

Sheet 16 of 17

File: VNI-West-SensitiveReceiverPlan-250306

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# **VNI West** Landscape and visual impact assessment

## Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

Project footprint / disturbance area
Transmission line corridor
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350m rural setback
Construction compound and/or temporary worker accommodation facility
Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

nalysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
itingTransmission Lines © Customer Service NSW 2024
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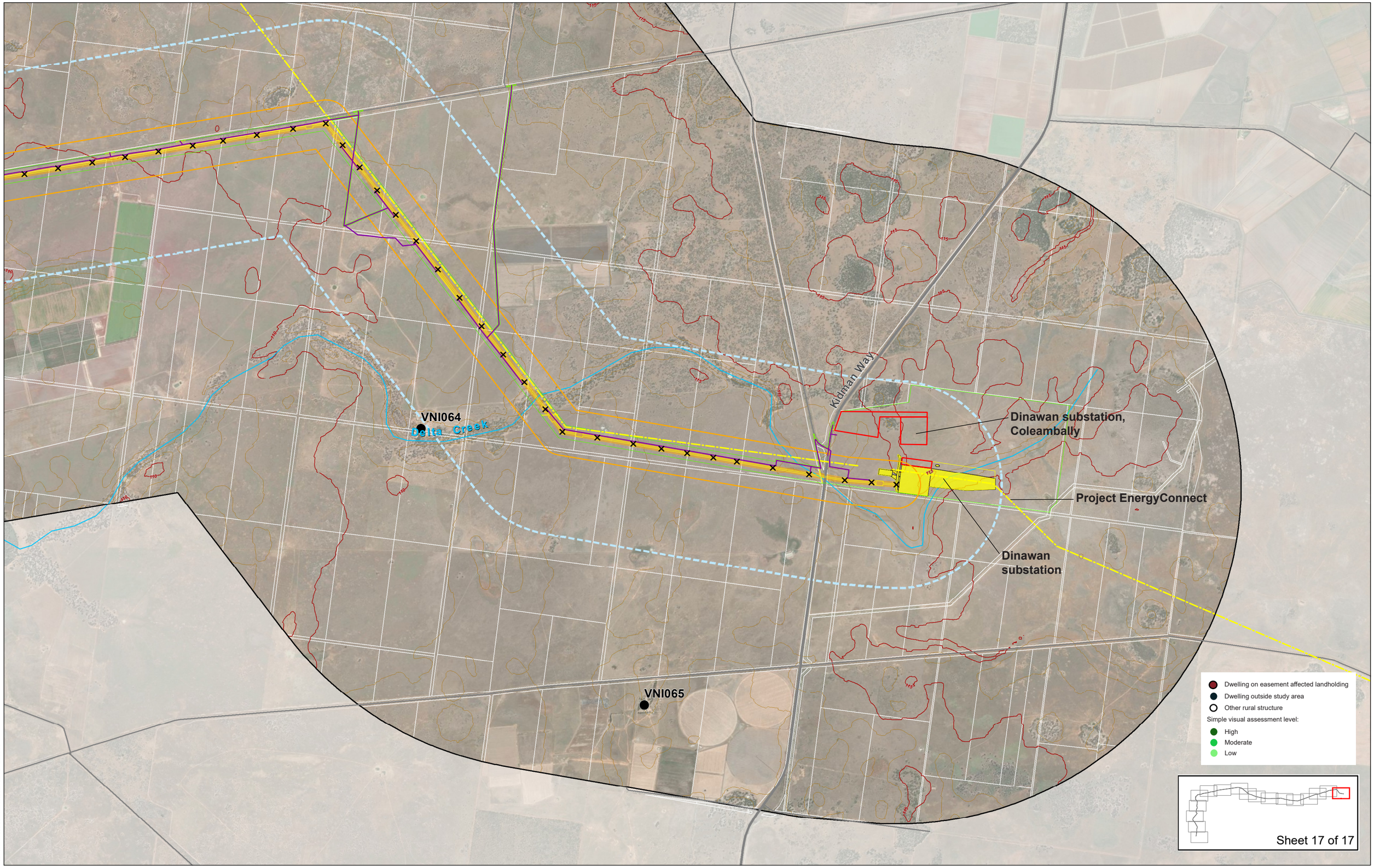


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# **VNI West** Landscape and visual impact assessment

Appendix K: Victorian/NSW border to Dinawan substation - Private viewpoint assessment result plans

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Telecommunication facility
NPWS Estate
State Forest
Contour (5m)
Contour (1m)

0 1 2km

north

nalysys: 1 second SRTM Derived Hydrological (DEM-H) version 1.0: G.S. Aust. 2011
Imagery: Maxar 2023
Watercourse: Geoscience Australia 2016
stingTransmission Lines © Customer Service NSW 2024
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Date: July 2025 K-17

# Appendix L:
# NSW/Victorian Border to Dinawan substation - Other views of interest

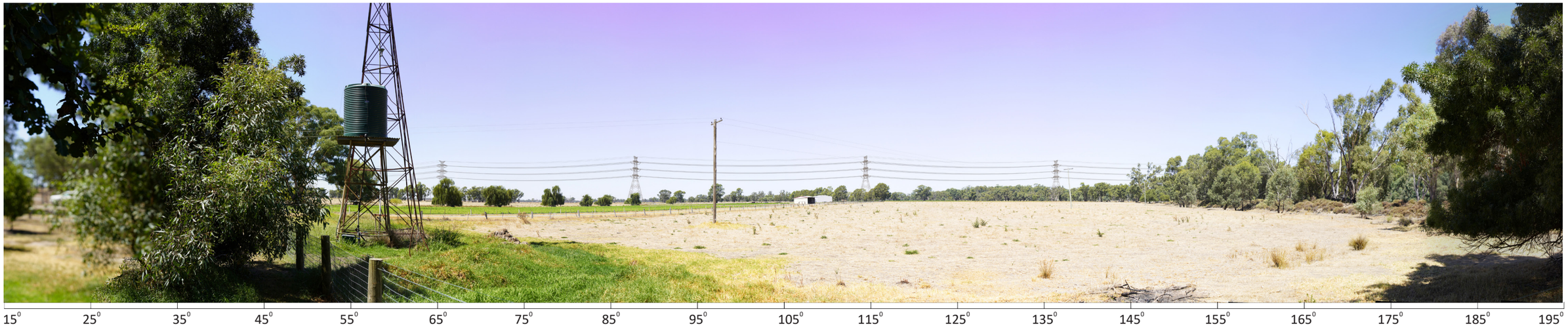
# **APPENDIX L:** Victorian/NSW border to Dinawan substation - Other views of interest

| No. | Location |
|---|---|
| 1 | Murray River: View southeast from private garden |
| 2 | Murray River: View southeast from private property |
| 3 | Murray River: Views from Murray River, eastern campsite |
| 4 | Murray River: Views from Murray River, western campsite |
| 5 | Edward River: View southwest from Crown land |

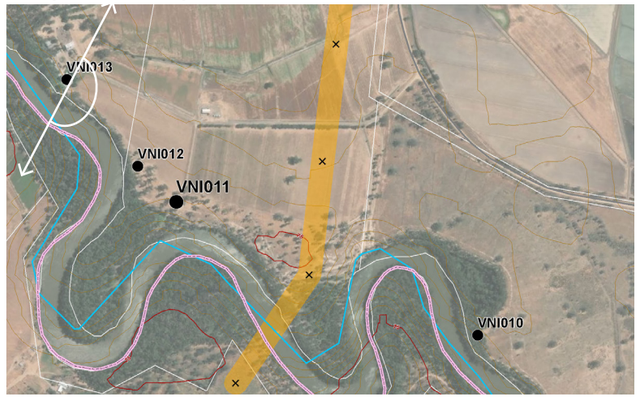
# **1. Murray River:** View southeast from private garden

Existing view - 180 degree panorama

Photomontage - including indicative transmission structure locations




**Viewpoint location plan:**




north

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## **VNI West** Landscape and visual impact assessment

Appendix L: Victorian/NSW border to Dinawan substation - Other views of interest

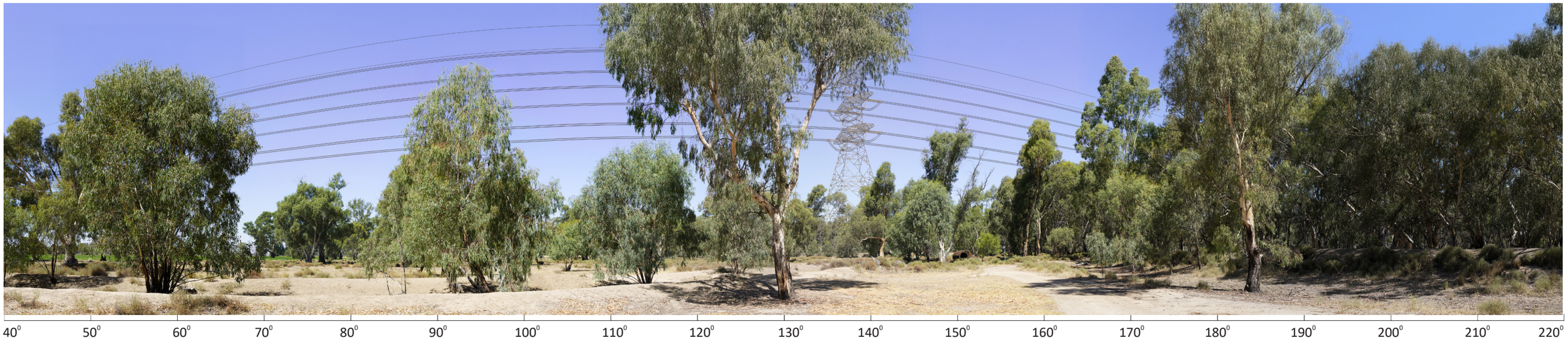
## **1. Murray River:** View southeast from private garden

Photomontage detail - cropped to about 50mm focal length

# **2. Murray River:** View southeast from private property

Existing view - 180 degree panorama

Photomontage - including indicative transmission structure locations

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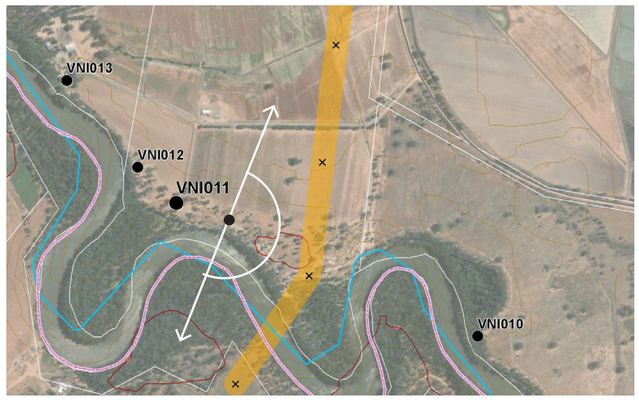


north

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MODATA.

## **VNI West** Landscape and visual impact assessment

Appendix L: Victorian/NSW border to Dinawan substation - Other views of interest

## **2. Murray River:** View southeast from private property

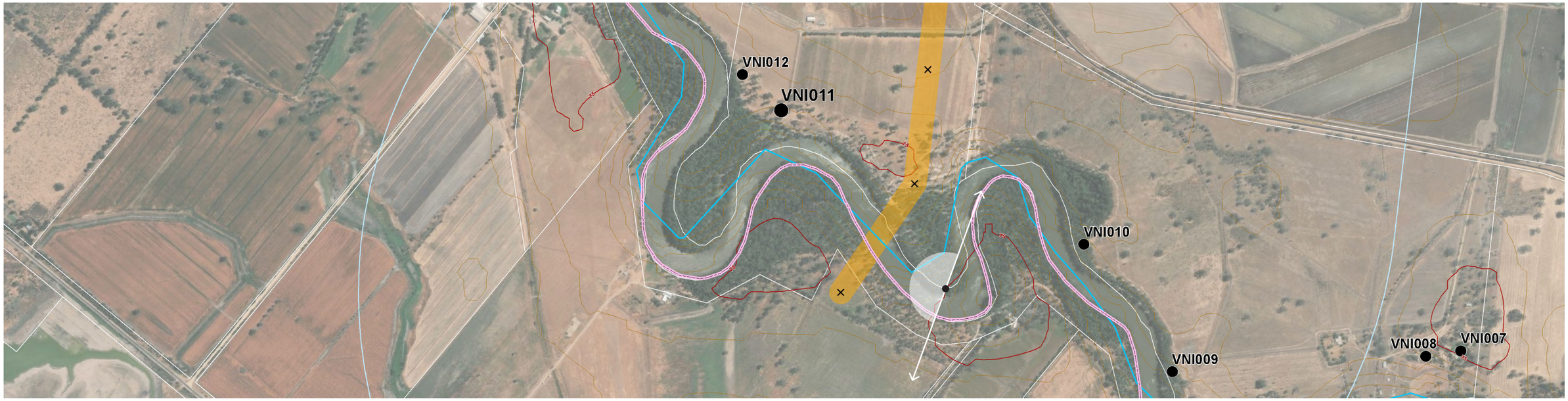
Photomontage detail - cropped to about 50mm focal length

# **3. Murray River:** Views from Murray River, eastern campsite

Existing view - 180 degree panorama

155° 165° 175° 185° 195° 205° 215° 225° 235° 245° 255° 265° 275° 285° 295° 305° 315° 325° 335°

Viewpoint location plan

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## **VNI West** Landscape and visual impact assessment

Appendix L: Victorian/NSW border to Dinawan substation - Other views of interest

north

# **3. Murray River:** Views from Murray River, eastern campsite

180 degree panorama with transmission line structures shown in silhouette

Photomontage

Note: Visible tower on Victorian side of the border, and would be connected to the Victorian section of VNI West.

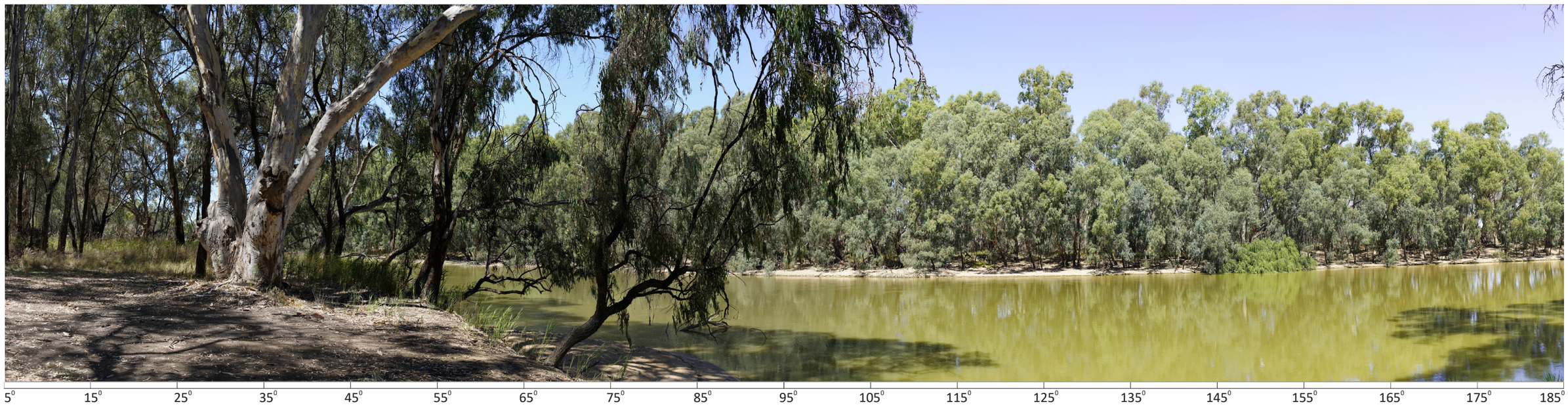
## **3. Murray River:** Views from Murray River, eastern campsite

Photomontage detail - cropped to about 50mm focal length

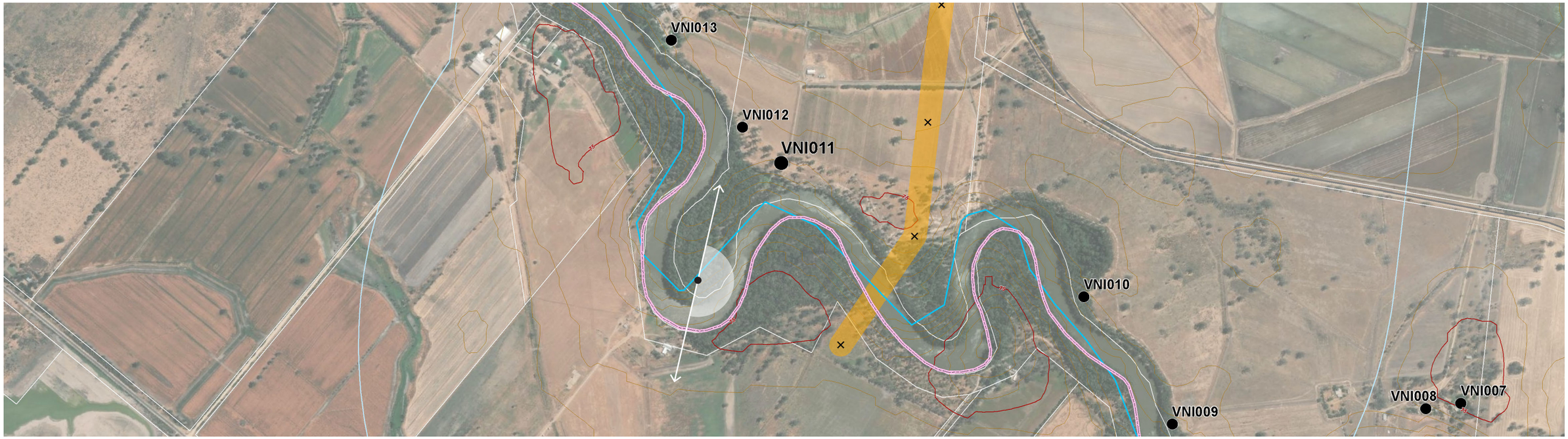
Note: Visible tower on Victorian side of the border, and would be connected to the Victorian section of VNI West.

# **4. Murray River:** Views from Murray River, western campsite

Existing view - 180 degree panorama




Viewpoint location plan

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## **VNI West** Landscape and visual impact assessment

Appendix L: Victorian/NSW border to Dinawan substation - Other views of interest

north

# **4. Murray River:** Views from Murray River, western campsite

180 degree panorama with transmission line structures shown in silhouette

Photomontage

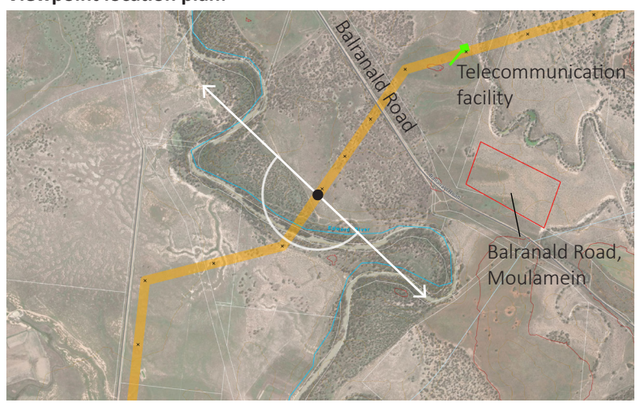
# **5. Edward River:** Views southwest from Crown land

Existing view - 180 degree panorama

110° 120° 130° 140° 150° 160° 170° 180° 190° 200° 210° 220° 230° 240° 250° 260° 270° 280° 290°

Photomontage - including indicative transmission structure locations

**Viewpoint location plan:**




north

iris

MODATA.

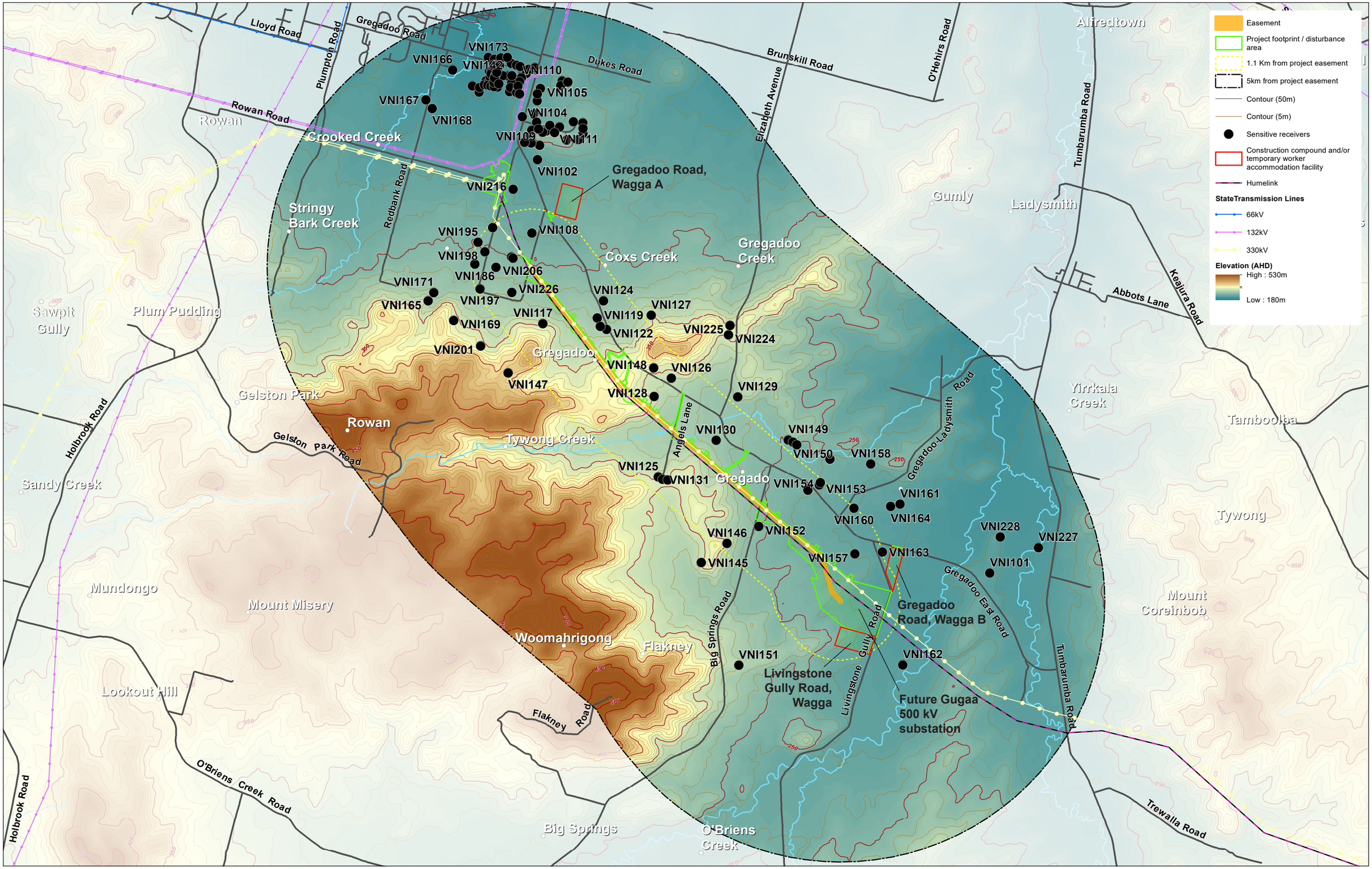
**VNI West** Landscape and visual impact assessment

Appendix L: Victorian/NSW border to Dinawan substation - Other views of interest

## **5. Edward River:** Views southwest from Crown land

Photomontage detail - cropped to about 50mm focal length

# Appendix M:
# Network augmentation works – Topography plan




# **VNI West** Landscape and visual impact assessment

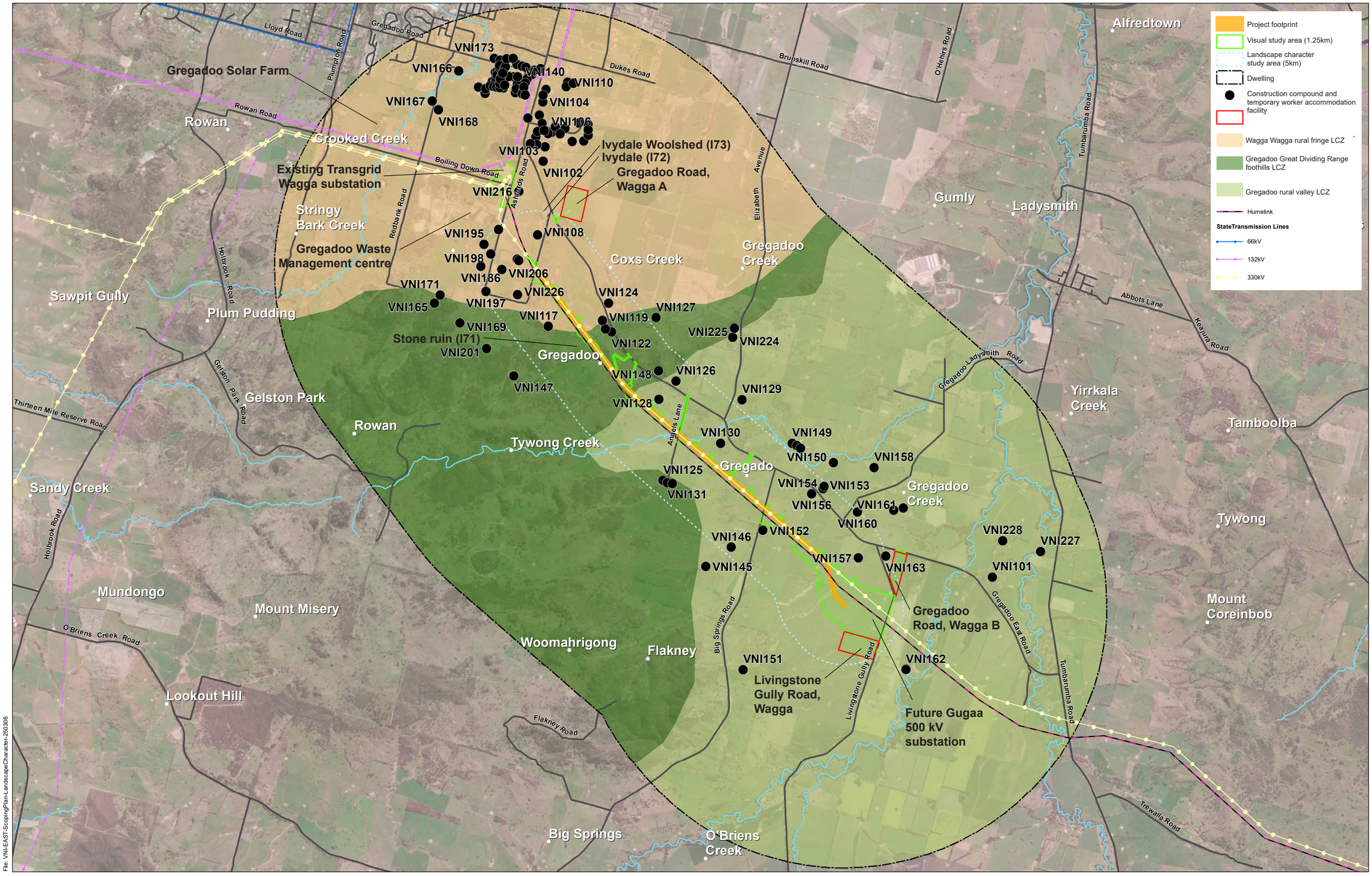
Appendix M: Network augmentation works - Topography

0 1 2 3 4km

north

Date: July 2025 M-1

# Appendix N:
# Network augmentation works – Landscape character plan




File: VNI-EAST-ScopingPlan-LandscapeCharacter-250306

# **VNI West** Landscape and visual impact assessment

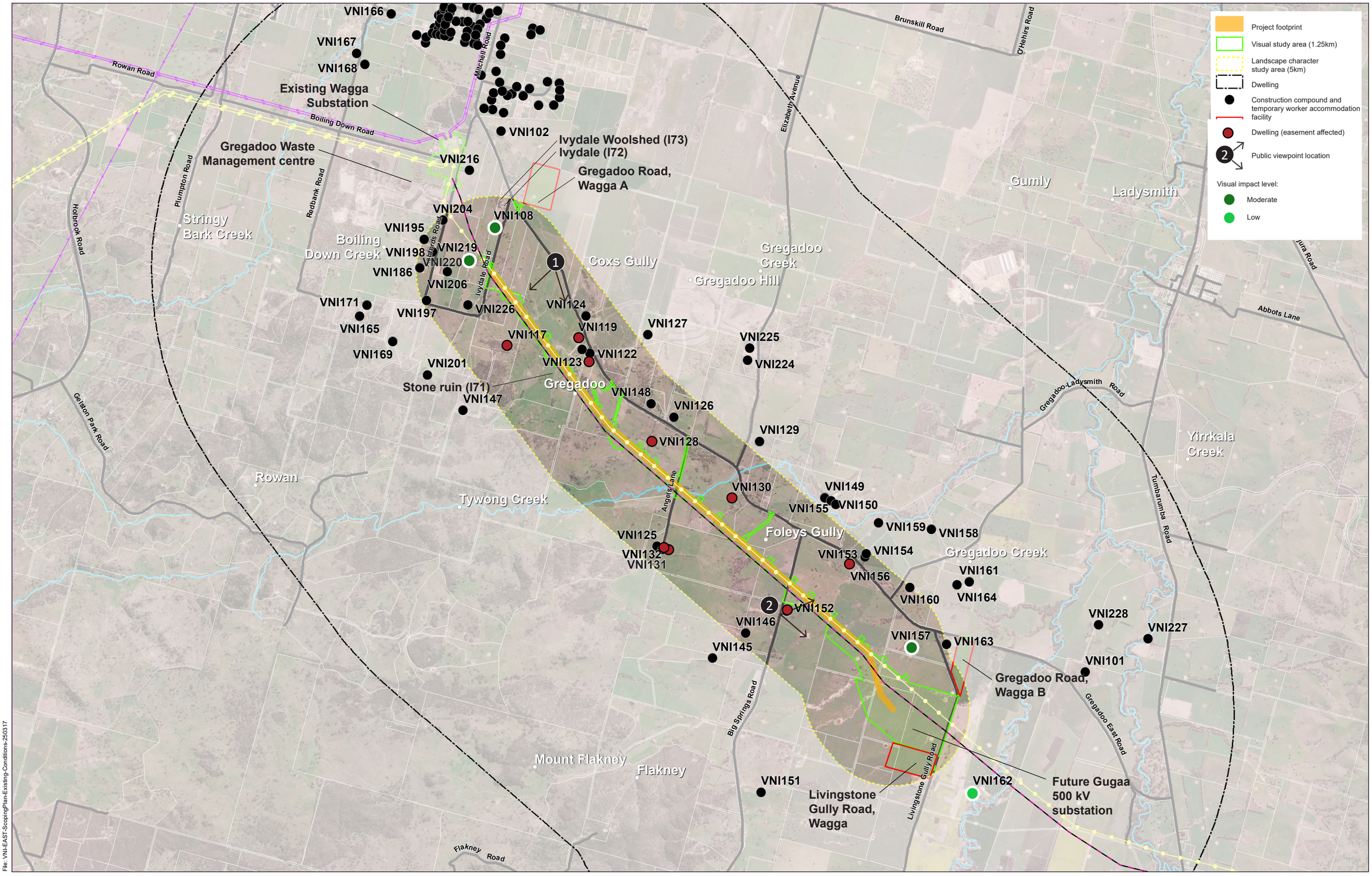
Appendix N: Network augmentation works - Landscape character

iris

0 1 2 3 4km

north

# Appendix O:
# Network augmentation works - Viewpoint location plan




File: VNI-EAST-ScopingPlan-Existing-Conditions-250317

# **VNI West** Landscape and visual impact assessment

Appendix O: Network augmentation works - Public viewpoint plan

iris

0 0.5 1 1.5 2km

north

Date: July 2025 O-1

# Appendix P:
# Network augmentation works – Cumulative impacts with Humelink, private viewpoints

Appendix P Table 1 Cumulative impacts with Humelink, private viewpoint assessment

| VNI ID. | Humelink ID. | Address | Distance to Humelink project footprint (metres) | Humelink project footprint located on property (Y/N) | Humelink project – Potential visual impact | Distance to VNI West | VNI West easement affected property (Y/N) | Potential visual impact of VNI West | Reasoning for level of impact | Cumulative effect |
|---|---|---|---|---|---|---|---|---|---|---|
| VNI 195 | A24 | 202 Ashfords Road | 524m | N | Low | 735m | N | Negligible | Distance and intervening vegetation limits potential for a view to the project | No change |
| VNI 198 | A28 | 216 Ashfords Road | 475m | N | Low | 870m | N | Negligible | Distance and intervening vegetation limits potential for a view to the project | No change |
| VNI 204 | A29 | 202 Ashfords Road | 173m | N | Low | 395m | N | Negligible | Distance and intervening vegetation limits potential for a view to the project | No change |
| VNI 206 | A33 | 231 Ashfords Road | 390m | N | Moderate | 600m | N | Negligible | Distance and intervening vegetation limits potential for a view to the project. | No change |
| VNI219 | A40 | 112 Ivydale Road | 40m | Y | High | 355m | N | Low | Distance, intervening vegetation, and small degree of change if visible. | No increase to impact identified for Humelink. |
| VNI 220 | A41 | 112 Ivydale Road | 30m | Y | High | 325m | N | Low | Distance, intervening vegetation, and small degree of change if visible. | No increase to impact identified for Humelink. |
| VNI 108 | A51 | 10 Ivydale Road | 200m | Y | High-moderate | 490m (250m to compound / worker accommodation facility) | N | Low | Distance, intervening vegetation, and small degree of change if visible.<br>During construction, there may be views to the Gregadoo Road, Wagga B (Option 3) combined temporary worker accommodation facility and construction compound filtered through intervening trees. This would result in a potential temporary visual impact. | No increase to impact identified for Humelink. |

| VNI ID. | Humelink ID. | Address | Distance to Humelink project footprint (metres) | Humelink project footprint located on property (Y/N) | Humelink project – Potential visual impact | Distance to VNI West | VNI West easement affected property (Y/N) | Potential visual impact of VNI West | Reasoning for level of impact | Cumulative effect |
|---|---|---|---|---|---|---|---|---|---|---|
| VNI 226 | A120 | 152 Ivydale Road | 382m | Y | High-moderate | 360 | N | Negligible | Distance, intervening vegetation, and small degree of change if visible. | No change |
| VNI 117 | A60 | 191 Ivydale Road | 253m | Y | Moderate | 390 | Y | Low | Increased tower height would be visible but minor increase would result in a low visual impact. | No increase to impact identified for Humelink. |
| VNI 157 | B12 | 477 Gregadoo East Road | 434m | Y | High-moderate | 430 | N | Low | Increased tower height would be visible but minor increase would result in a low visual impact | No increase to impact identified for Humelink. |
| VNI 152 | B3 | 848 Big Springs Road | 108m | Y | High | 110m | Y | Low | While the project would be in close proximity, there would be a small degree of change to the view due to the increased scale of transmission line structures. | No increase to impact identified for Humelink. |
| VNI 163 | B15 | 1070 Livingstone Gully Road | 805m | Y | Moderate-low | 680m | Y* | Negligible | Distance, intervening vegetation, and small degree of change if visible. | No increase to impact identified for Humelink. |
| VNI 162 | B18 | 1070 Livingstone Gully Road | 325m | Y | High-moderate | 725m | Y* | Low | Minor degree of change due to this project. Would be visible in the distance, and in the context of the future Gugaa 500 kV substation, Livingstone Gully Road. | No increase to impact identified for Humelink. |

** Located on landholding with proposed compound and / or worker accommodation facility*