

Environmental Impact Statement
Uungula Wind Farm

Appendix R: Landscape and Visual Impact Assessment
(Appendix A — D)

May 2020

Visual Influence Zones Methodology

APPENDIX A

A.1 Visual Influence Zones

VIEWER SENSITIVITY LEVEL	
Level 1 Sensitivity: High	<ul style="list-style-type: none">Residential areas and rural villagesRecreation, cultural or scenic sites and viewpoints of National or State significance.Any buildings, historic rural homesteads/residences on the State or local Government Heritage List
Level 2 Sensitivity: Moderate	<ul style="list-style-type: none">Rural dwellingTourist and visitor accommodation (definition in Standard Instrument Local Environmental Plan)Recreation, cultural or scenic sites and viewpoints of regional significance
Level 3 Sensitivity: Low	<ul style="list-style-type: none">Interstate and state passenger rail lines with daily daylight servicesState highways, freeways and classified main roads, classified tourist roadsLand management roads with occasional recreation trafficWalking tracks of moderate local significance or infrequent recreation usageOther low use and low concern viewpoints and travel routesNavigable waterways

Table A1: Viewer Sensitivity Level

VISIBILITY DISTANCE ZONES		
0 – 500 m	Near Foreground (NF)	<div>Zone of Greatest Visual Influence</div> <div>↑</div> <div>↓</div> <div>Zone of Least Visual Influence</div>
500 m – 1 km	Mid Foreground (MF)	
1 – 2 km	Far Foreground (FF)	
2 – 4 km	Near Middleground (NM)	
4 – 8 km	Far Middleground (FM)	
8 – 12 km	Near Background (NB)	
12 – 20 km	Mid Background (MB)	
20 – 32+ km	Far Background (FB)	

Table A2: Visibility Distance Zones

SCENIC QUALITY CLASS		
LOW	MODERATE	HIGH
<div>←</div> <div>→</div>		
Landform		
Waterbodies		
Vegetation		
Human Influence		
Activity		
Rarity		
Relationship with adjoining landscapes		

Table A3: Scenic Quality Class

VISUAL INFLUENCE ZONE MATRIX				
VIEWER SENSITIVITY LEVEL		SCENIC QUALITY CLASS		
- VISIBILITY DISTANCE ZONE		HIGH	MODERATE	LOW
LEVEL 1 HIGH SENSITIVITY VIEWPOINTS				
Near Foreground (NF)	0 – 500 m	VIZ1	VIZ1	VIZ1
Mid Foreground (MF)	500 m – 1 km	VIZ1	VIZ1	VIZ1
Far Foreground (FF)	1 – 2 km	VIZ1	VIZ1	VIZ1
Near Middleground (NM)	2 – 4 km	VIZ1	VIZ2	VIZ2
Far Middleground (FM)	4 – 8 km	VIZ2	VIZ2	VIZ2
Near Background (NB)	8 – 12 km	VIZ2	VIZ2	VIZ2
Mid Background (MB)	12 – 20 km	VIZ2	VIZ2	VIZ3
Far Background (FB)	20 – 32+ km	VIZ2	VIZ2	VIZ3
LEVEL 2 MODERATE SENSITIVITY VIEWPOINTS				
Near Foreground (NF)	0 – 500 m	VIZ1	VIZ1	VIZ1
Mid Foreground (MF)	500 m – 1 km	VIZ1	VIZ1	VIZ1
Far Foreground (FF)	1 – 2 km	VIZ1	VIZ1	VIZ2
Near Middleground (NM)	2 – 4 km	VIZ2	VIZ2	VIZ2
Far Middleground (FM)	4 – 8 km	VIZ2	VIZ2	VIZ3
Near Background (NB)	8 – 12 km	VIZ2	VIZ3	VIZ3
Mid Background (MB)	12 – 20 km	VIZ2	VIZ3	VIZ3
Far Background (FB)	20 – 32+ km	VIZ3	VIZ3	VIZ3
LEVEL 3 LOW SENSITIVITY VIEWPOINTS				
Near Foreground (NF)	0 – 500 m	VIZ1	VIZ1	VIZ2
Mid Foreground (MF)	500 m – 1 km	VIZ2	VIZ2	VIZ2
Far Foreground (FF)	1 – 2 km	VIZ2	VIZ2	VIZ3
Near Middleground (NM)	2 – 4 km	VIZ2	VIZ3	VIZ3
Far Middleground (FM)	4 – 8 km	VIZ2	VIZ3	VIZ3
Near Background (NB)	8 – 12 km	VIZ3	VIZ3	VIZ3
Mid Background (MB)	12 – 20 km	VIZ3	VIZ3	VIZ3
Far Background (FB)	20 – 32+ km	VIZ3	VIZ3	VIZ3
Areas not visible		VIZ3	VIZ3	VIZ3

Table A4: Visual Influence Zone Matrix

Preliminary Assessment Tools

APPENDIX B

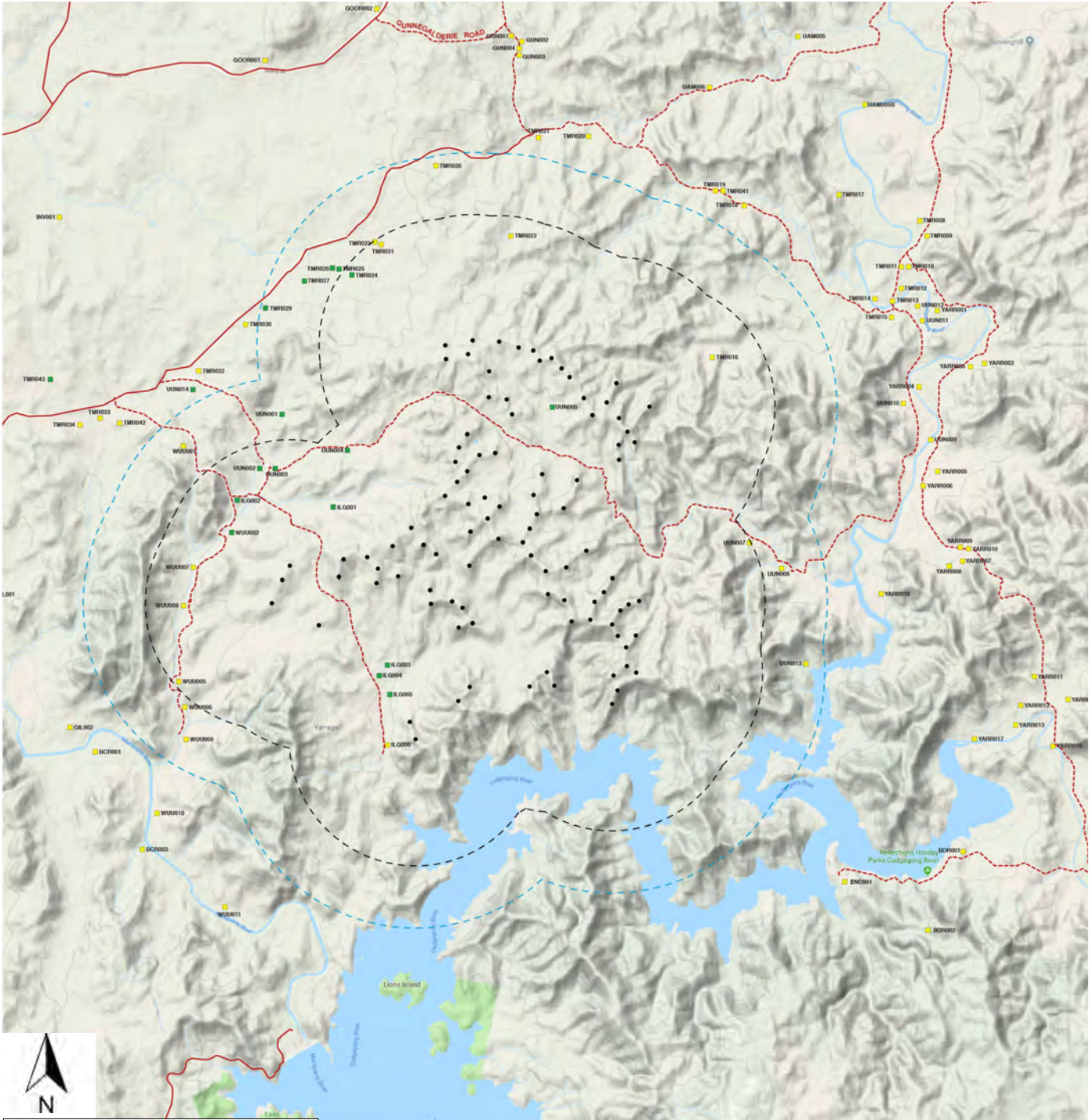


Figure B1 Visual Magnitude thresholds for Uungula Wind Farm 250m WTG
(Base Map Source: Google Maps 2019)

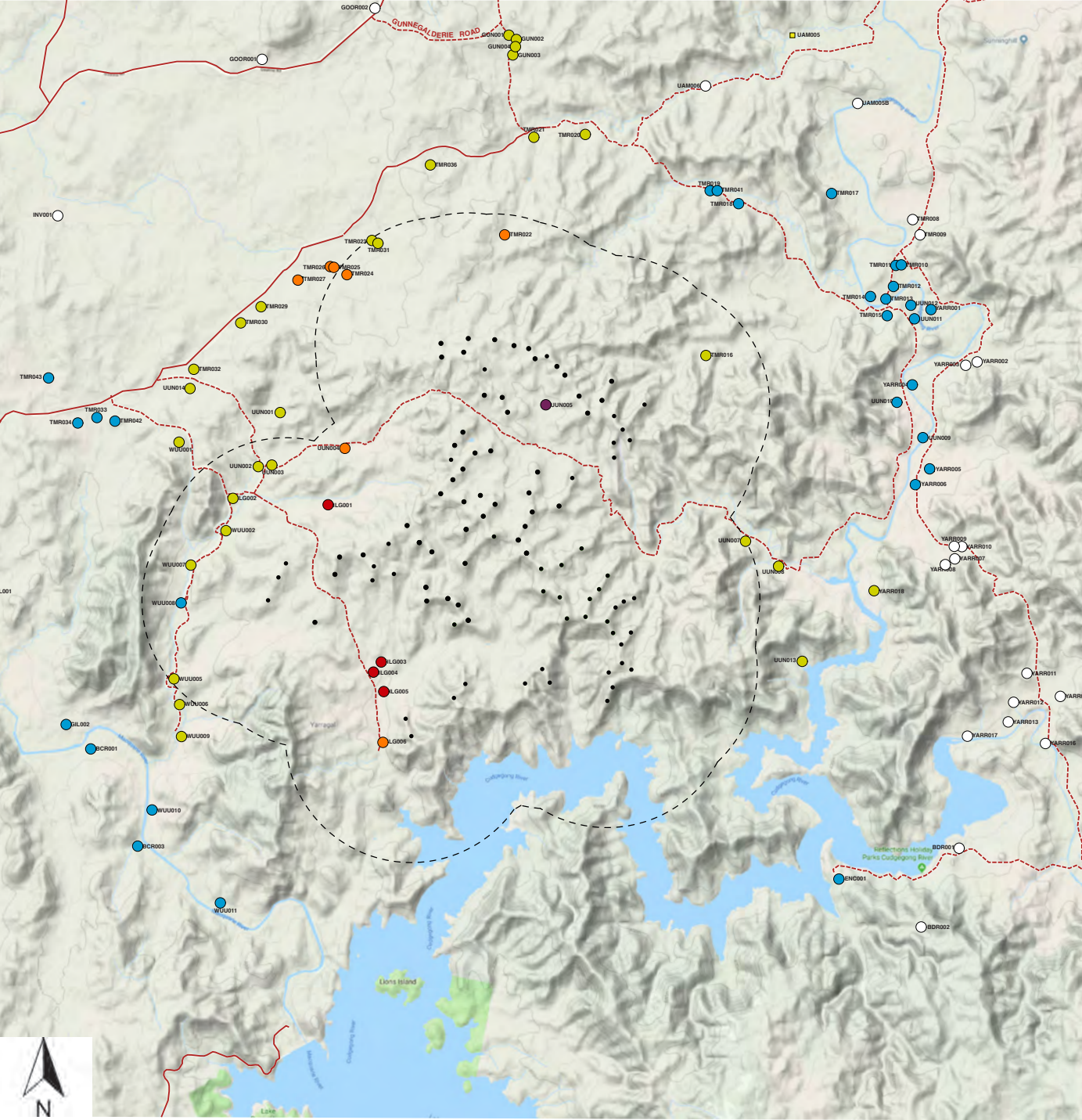
Dwellings located within 3350m			
Dwelling ID	Distance to nearest turbine	Involved landowner?	Notes
ILG006	0.8 km	No	Derelict House
UUN005	0.9 km	Yes	Involved Landowner
ILG005	0.84 km	Yes	Involved Landowner
ILG001	1.38 km	Yes	Involved Landowner
ILG004	1.44 km	Yes	Involved Landowner
ILG003	1.59 km	Yes	Involved Landowner
WUU002	1.74 km	Yes	Involved Landowner
TMR016	2.01km	No	Refer to summary - Table G5, Appendix G
ILG002	2.16 km	Yes	Involved Landowner
WUU007	2.22 km	No	Refer to summary - Table G4, Appendix G
WUU008	2.26 km	No	Refer to summary - Table G4, Appendix G
UUN003	2.52 km	Yes	Involved Landowner
UUN002	2.62 km	Yes	Involved Landowner
UUN004	2.62 km	Yes	Involved Landowner
TMR022	2.78 km	No	Refer to summary - Table G2, Appendix G
TMR024	3.1 km	Yes	Involved Landowner
TMR031	3.1 km	No	Refer to summary - Table G2, Appendix G
WUU005	3.17 km	No	Refer to summary - Table G4, Appendix G
UUN007	3.2 km	No	Refer to summary - Table G5, Appendix G
TMR023	3.3 km	No	Refer to summary - Table G2, Appendix G

Table B1 Dwellings identified within 3350m of nearest WTG (Based on 2D Assessment)

Dwellings between 3350 - 5000m			
Dwelling ID	Distance to nearest turbine	Involved landowner?	Notes
TMR025	3.40 km	Yes	Involved Landowner
TMR026	3.54 km	Yes	Involved Landowner
WUU006	3.57 km	No	Refer to summary - Table G4, Appendix G
UUN008	3.8 km	No	Refer to summary - Table G5, Appendix G
UUN001	4.0km	Yes	Involved Landowner
TMR027	4.04 km	Yes	Involved Landowner
WUU001	4.17 km	No	Refer to summary - Table G4, Appendix G
WUU009	4.19 km	No	Refer to summary - Table G4, Appendix G
UUN013	4.4 km	No	Refer to summary - Table G5, Appendix G
TMR036	4.62 km	No	Refer to summary - Table G2, Appendix G
TMR029	4.80 km	Yes	Involved Landowner

Table B2 Dwellings identified within 3350 - 5000m of nearest WTG (Based on 2D Assessment)

Further Assessment Required -
Refer to Appendix G



LEGEND

●

Wind Turbine

Unsealed Road

—

Sealed Road

○

> 8km from nearest WTG

●

1 Sector (up to 60°)

●

2 Sectors (up to 120°)

●

3 Sectors (up to 180°)

●

4 Sectors (up to 240°)

●

6 Sectors (up to 360°)

Figure B2 Multiple Wind Turbine Tool - Number of visible sectors

(Base Map Source: Google Maps 2019)

Multiple Wind Turbine Tool - Dwellings with multiple sectors				
Dwelling ID	Involved Landowner?	Distance to nearest Ungula WF turbine	Visible Wind Farms U = Ungula U+B = Ungula & Bodangora	Further Assessment Required?
Up to 360° (6 Sectors)				
UUN005	Yes	0.82 km	U	-
Up to 240° (4 Sectors)				
ILG001	Yes	1.38 km	U	-
ILG003	Yes	1.59 km	U	-
ILG004	Yes	1.44 km	U	-
ILG005	Yes	0.84 km	U	-
Up to 180° (3 Sectors)				
ILG006	No	0.80 km	U	No - Derelict House
UUN004	Yes	2.62 km	U	-
TMR022	No	2.78 km	U+B	Yes - Refer to Table G2, Appendix G
TMR024	Yes	3.03 km	U+B	-
TMR025	Yes	3.40 km	U+B	-
TMR026	Yes	3.54 km	U+B	-
TMR027	Yes	4.04 km	U+B	-
Up to 120° (2 Sectors)				
GUN001	No	7.95 km	U+B	-
GUN002	No	7.79 km	U+B	-
GUN003	No	7.47 km	U+B	-
GUN004	No	7.62 km	U+B	-
ILG002	Yes	2.16 km	U	-
TMR016	No	2.0 km	U	-
TMR020	No	5.77 km	U+B	-
TMR021	No	5.35 km	U+B	-
TMR023	No	3.20 km	U+B	-
TMR029	Yes	4.80 km	U	-
TMR030	No	5.26 km	U	-
TMR031	No	3.08 km	U+B	-
TMR032	No	5.56 km	U	-
TMR036	No	4.62 km	U+B	-
UUN001	Yes	4.0km	U	
UUN002	Yes	2.62 km	U	-
UUN003	Yes	2.52 km	U	-
UUN007	No	3.2 km	U	-
UUN008	No	3.8 km	U	-
UUN013	No	4.4 km	U	-
UUN014	Yes	5.3km	U	
WUU001	No	4.17km	U	-
WUU002	Yes	1.74 km	U	-
WUU005	No	3.17 km	U	-
WUU006	No	3.57 km	U	-
WUU007	No	2.22 km	U	-
WUU009	No	4.19 km	U	-
YARR018	No	6.3 km	U	-

Table B3 Dwellings with multiple sectors of WTGs

Viewpoint Analysis

APPENDIX C



VIEWPOINT VP01					
Summary of Viewpoint		Viewpoint Description	Visual Performance Objectives: VIZ3		
Location	Elevation	View from Twelve Mile Road approximately 500m east of Goolma Road. Twelve Mile Road is a local road providing access to a number of farm roads and isolated homesteads within the Study Area. Land in this area is generally uninhabited cleared grazing land with retained vegetation associated with hilltops, creek lines and roadsides. The topography is undulating with local rises in the foreground and middle ground containing views to the north east.	No Visual Performance Objectives apply to this viewpoint.		
Twelve Mile Road	378m				
Coordinates	Viewing Direction				
148°58’26.94”E 32°31’19.50”S	Generally East				
Distance to WTG	Visibility Distance Zone	Potential Visual Impact From this viewpoint the Project will be screened by topography.			
Approx. 12km	Mid Background (MB)				
Land Use	Viewer Sensitivity Level				
Rural Dwellings	Level 2: Moderate				
LCU	Scenic Quality Rating	Nearby Residences:			
Wellington	Low	CAD001, TMR047, TMR048, TMR049			
Visual Influence Zone 3 (VIZ3)					



VP01 Location



VIEWPOINT VP02			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	View from 'Brookfield Road', a small farm road off Twelve Mile Road which provides access to a small number of isolated homesteads. Land is predominantly utilised for grazing with some areas of improved pasture. Topography is undulating, with a low rise containing views towards the east. Scattered vegetation associated with a creek line is visible in the foreground.	No Visual Performance Objectives apply to this viewpoint.
Brookfield Road	415m		
Coordinates:	Viewing Direction:		
149° 1'11.81"E 32°32'15.15"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 7.7km	Far Middleground (FM)	Potential Visual Impact From this viewpoint the Project will be screened by topography.	
Land Use:	Viewer Sensitivity Level:		
Rural Dwelling	Level 2: Moderate		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Wellington	Low	BRR001, BRR002	
Visual Influence Zone 3 (VIZ3)			



VP02 Location



VIEWPOINT VP03			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	Viewpoint from Gilgoan Road approximately 500m north east of GIL001. Land is predominantly utilised for grazing with some areas of improved pasture. Topography is undulating, with views contained to the east by the vegetated Dickerton Ridge. Remnant vegetation is scattered throughout the grazing land. Potential Visual Impact From this viewpoint it is likely views towards the Project will be screened by Dickerton Ridge to the east. Nearby Residences: GIL001	No Visual Performance Objectives apply to this viewpoint.
Gilgoan Road	344m		
Coordinates:	Viewing Direction:		
149° 0'53.42"E 32°33'30.87"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 7.7km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Rural Dwelling	Level 2: Moderate		
LCU:	Scenic Quality Rating:		
Wellington	Low		
Visual Influence Zone 3 (VIZ3)			



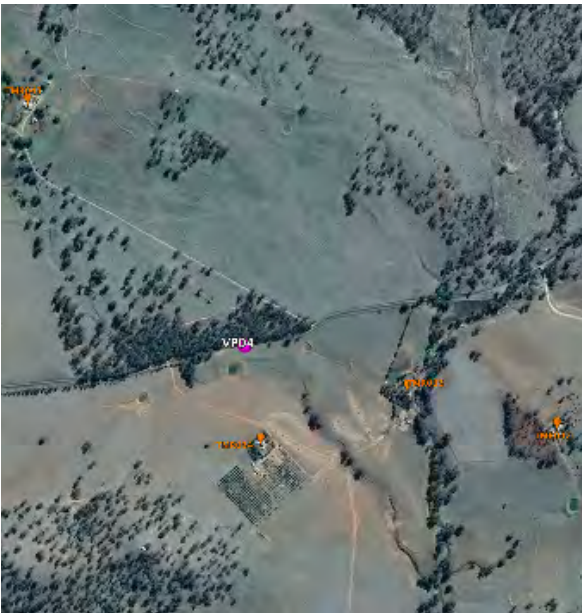
VP03 Location

Indicative extent of visible WTGs likely to be visible beyond ridge line.



VIEWPOINT VP04

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	Viewpoint from Twelve Mile Road approximately 260m north of the entry to TMR034. TMR033 is visible to the east, largely surrounded by vegetation. Land is predominantly utilised for grazing with some areas of improved pasture. Topography rises to the east towards the vegetated hills associated with Dickerton Range. Potential Visual Impact From this viewpoint up to 30 WTGs are likely to be visible beyond the hills in the background to the east. Vegetation would assist in fragmenting views to motorists travelling along Twelve Mile Road. Based on aerial photography, it appears nearby residences are surrounded by vegetation which would assist in screening / fragmenting views to the proposed wind turbines.	No Visual Performance Objectives apply to this viewpoint.
Twelve Mile Road	420m		
Coordinates:	Viewing Direction:		
149° 2'35.97"E 32°31'4.02"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 6.8km	Far Middleground (FM)	Nearby Residences:	
Land Use:	Viewer Sensitivity Level:		
Rural Dwelling	Level 2: Moderate		
LCU:	Scenic Quality Rating:	TMR033, TMR034, TMR042, TMR043	
Wellington	Low		
Visual Influence Zone 3 (VIZ3)			



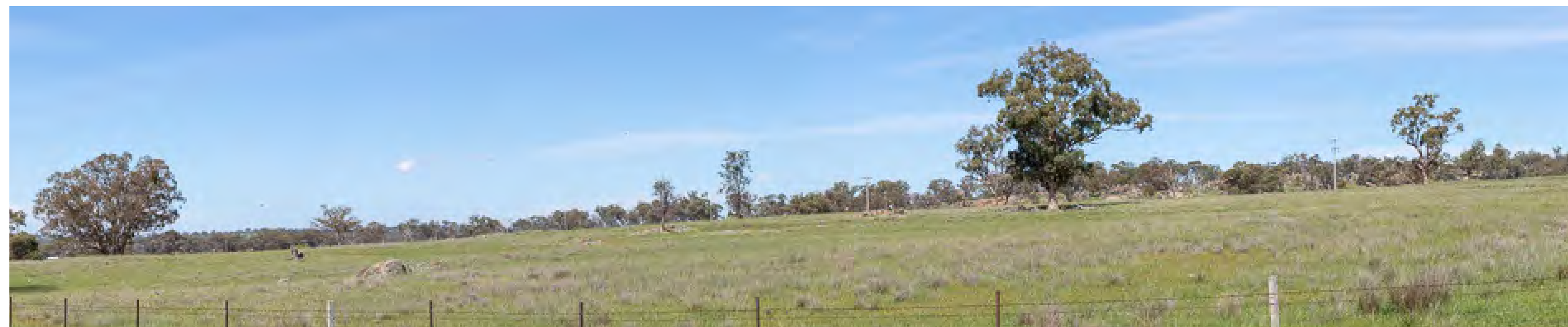
VP04 Location



VIEWPOINT VP05			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	View from Twelve Mile Road adjacent to TMR032. Land is predominantly utilised for grazing with some areas of improved pasture. Topography is flat in the foreground with vegetated hills visible to the east. Scattered vegetation associated with Poggie Creek. Farm buildings associated with TMR032 are visible in the middleground.	No Visual Performance Objectives apply to this viewpoint.
Twelve Mile Road	460m		
Coordinates:	Viewing Direction:		
149° 4'27.88"E 32°30'23.59"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 5.8km	Far Middleground (FM)	Potential Visual Impact From this viewpoint it is likely up to 20 WTGs would be visible (based on topography alone) beyond the hills in the middleground. Existing scattered vegetation is likely to obstruct views to the WTGs in some locations reducing the number of visible WTGs from this location.	
Land Use:	Viewer Sensitivity Level:		
Rural Dwelling	Level 2: Moderate		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Bodangora	Low	TMR032	
Visual Influence Zone 3 (VIZ3)			



VP05 Location



VIEWPOINT VP06			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	Viewpoint from Twelve Mile Road approximately 130 metres north east of the entry to TMR029. Land is predominantly utilised for grazing. Topography rises to the east and views are contained by vegetation. Existing powerlines are visible in the middleground. Views to Bodangora Wind Farm are available to the north from this location (not pictured).	The viewpoint is located within 5km of the nearest WTG, however no Visual Performance Objectives apply to VIZ3.
Twelve Mile Road	530m		
Coordinates:	Viewing Direction:		
149° 5'41.80"E 32°29'27.99"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 4.8km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:	Proposed transmission lines may be visible from this location, however it is likely they would be viewed as an extension of the existing powerlines visible in the middleground.	
Rural Dwelling	Level 2: Moderate		
LCU:	Scenic Quality Rating:		
Bodangora	Low	Nearby Residences:	
		TMR029	
Visual Influence Zone 3 (VIZ3)		Refer to Photomontage 14	



VP06 Location



VIEWPOINT VP07			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	View from the entry to residences TMR24, TMR025, TMR026 and TMR027 on Twelve Mile Road looking in a generally south east direction towards the Site. Views from this location are largely contained by vegetation and plantings associated with the entry to the properties. Views beyond the vegetation are contained by vegetation associated with a rise in topography to the east.	No Visual Performance Objectives apply to this viewpoint.
Twelve Mile Road	523m		
Coordinates:	Viewing Direction:		
149° 6'6.05"E 32°29'3.95"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 4.5km	Far Middleground (FM)	Potential Visual Impact Based on topography alone, it is likely approximately 22 WTGs would be visible to the south east. Views towards this direction are largely screened by vegetation. Aerial imagery indicates residences located near this viewpoint are surrounded by vegetation, which may assist in screening views to the WTGs.	
Land Use:	Viewer Sensitivity Level:		
Rural Dwelling	Level 2: Moderate	Proposed transmission lines may be visible to the south from this location, however it is likely they would be viewed as an extension of the existing powerlines and screened by vegetation.	
LCU:	Scenic Quality Rating:	Nearby Residences:	
Bodangora	Low	TMR024, TMR025, TMR026, TMR027	
Visual Influence Zone 3 (VIZ3)		Refer to Wireframe Image 01	



VP07 Location

S



VIEWPOINT VP08

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint was recorded from Twelve Mile Road at the entry to TMR036. Land is predominantly utilised for grazing. Views from this location are generally contained by vegetation associated with road side and driveway with an avenue of trees along the entrance road in the foreground. Topography is gently sloping, with a low, even rise towards the east. Potential Visual Impact Up to 20 WTGs would be visible (based on topography alone) from this location. Vegetation in the foreground is likely to screen views to the proposed WTGs from this location.	No Visual Performance Objectives apply to this viewpoint.
Twelve Mile Road	585m		
Coordinates:	Viewing Direction:		
149° 8'25.48"E 32°27'24.77"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 5km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Rural Dwelling	Level 2: Moderate		
LCU :	Scenic Quality Rating:	Nearby Residences:	
Bodangora	Low	TMR036	
Visual Influence Zone 3 (VIZ3)		Refer to Wire frame Image 05	



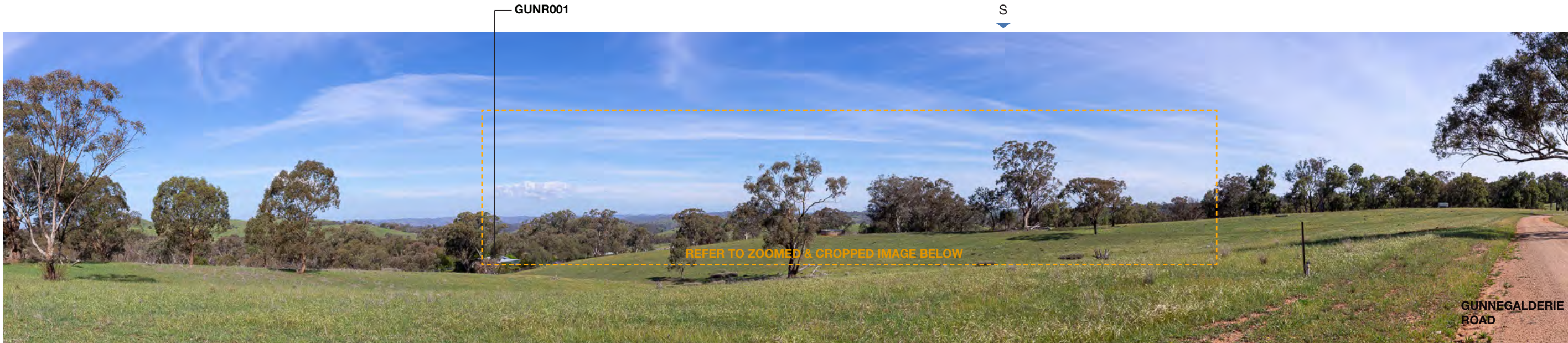
VP08 Location



VIEWPOINT VP09			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	Viewpoint from Goolma Road located approximately 670 metres to the east of the entry to GOOR001.	No Visual Performance Objectives apply to this viewpoint.
Goolma Road	530m		
Coordinates:	Viewing Direction:	Land is predominantly utilised for grazing and improved pasture. A ploughed field with improved pasture visible in the fore to middle ground with scattered trees in the background. Topography is flat in the foreground rising gently towards the east.	
149° 6'9.50"E 32°26'15.64"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:	Potential Visual Impact: From this viewpoint over 50 of the proposed wind turbines would be visible beyond the ridgeline in the distance. Vegetation in the middle-ground may assist in partially screening views to the Project.	
Approx. 8km	Near Background (NB)		
Land Use:	Viewer Sensitivity Level:		
Rural Dwelling	Level 2: Moderate		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Bodangora	Low	GOOR001	
Visual Influence Zone 3 (VIZ3)			



VP09 Location



VIEWPOINT VP10			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	<p>View from Gunnegalderie Road, approximately 3.5kms east of Goolma Road. Gunnegalderie Road is a small unsealed road which connects Goolma Road to Twelve Mile Road and provides access to a small number of rural dwellings. Land surrounding the viewpoint is predominantly utilised for grazing and related farming activities. Topography is undulating, with views to distant vegetated ranges. Vegetation consists of improved pasture and scattered trees in the foreground, trees associated with GUNR001 are visible in the middle ground.</p> <p>Potential Visual Impact</p> <p>From this elevated viewpoint up to 70 WTGs associated with the Project are likely to be visible on the ridgeline in the distance. Vegetation in the middleground is likely to reduce the number of WTGs visible from this location.</p>	<p>Visual Magnitude:</p> <p>Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives (see <i>Appendix F</i>).</p> <p>Landscape Scenic Integrity:</p> <p>The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be visible, however due to distance they will not dominate the existing visual character.</p> <p>Key Feature Disruption:</p> <p>The proposal is unlikely to have any visual impact on major or visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location.</p>
Gunnegalderie Road	590m		
Coordinates:	Viewing Direction:		
149° 9'39.42"E 32°25'39.78"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 8.0km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Rural Dwelling	Level 2: Moderate		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Spicers Creek	Moderate	GUNR001	
Visual Influence Zone 2 (VIZ2)			



VP10 Location



VIEWPOINT VP11			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Viewpoint from Gunnegaldrie Road approximately 4.3km east of Goolma Road. Gunnegaldrie Road is an unsealed farm road running between Goolma Road and Twelve Mile Road and providing access to a small number of dwellings. Land in this area is undulating and vegetation associated with Cudgegong River is visible in the foreground. Potential Visual Impact Based on topography alone, approximately 70 wind turbines associated with the Project will be visible to the south from this viewpoint. Views of the turbines are likely to be screened by vegetation associated with Cudgegong River in the foreground.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives (see <i>Appendix F</i>). Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be visible yet will not dominate the existing visual character due to existing vegetation. Key Feature Disruption: The proposal is unlikely to have a major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The rolling hills will remain a prominent feature in the visual landscape.
Gunnegaldrie Road	554m		
Coordinates	Viewing Direction		
32°25’55.37”S 149°10’0.24”E	Generally South		
Distance to WTG	Visibility Distance Zone		
Approx. 7.6km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Spicers Creek	Moderate	GUNR002, GUNR003, GUNR004	
Visual Influence Zone 2 (VIZ2)			



VP11 Location

Indicative extent of visible WTGs
along distant ridgeline

S

TMR020



VIEWPOINT VP12			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	<p>View from Twelve Mile Road approx. 1.7km to the east of the Gunnegalerie Road intersection. Views from this location are concealed by a vegetated rise in topography to the south. Land is predominantly cleared and utilised for grazing.</p> <p>Potential Visual Impact</p> <p>From this viewpoint approximately 12 WTGs associated with the Project will be visible beyond the ridgeline in the middleground.</p>	<p>Visual Magnitude:</p> <p>Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives (see <i>Appendix H</i>).</p> <p>Landscape Scenic Integrity:</p> <p>The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be noticeable and will not dominate the existing visual character.</p> <p>Key Feature Disruption:</p> <p>The proposal is unlikely to have any visual impact on major or visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location.</p>
Twelve Mile Road	480m		
Coordinates	Viewing Direction		
149° 9'39.42"E 32°25'39.78"S	Generally South		
Distance to WTG	Visibility Distance Zone		
Approx. 6.1km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Spicers Creek	Moderate	TMR020	
Visual Influence Zone 2 (VIZ2)			



VP12 Location



VIEWPOINT VP13			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location	Elevation	Viewpoint from Uamby Road, adjacent to UAM006. Topography is flat in the foreground and gently rising towards the south. Land is predominantly used for grazing with scattered trees throughout the landscape. Existing overhead powerlines run through the landscape along the roadside. Views are generally contained by a combination of vegetation and hills to the west.	The proposed wind turbines will not be visible from this viewpoint location.
Uamby Road	420m		
Coordinates	Viewing Direction		
149°13'12.06"E 32°26'29.87"S	Generally South West		
Distance to WTG	Visibility Distance Zone		
Approx. 8.1km	Near Background (NB)	Potential Visual Impact The Project will not be visible from this location due to topography.	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Spicers Creek	Moderate	UAM006	
Visual Influence Zone 3 (VIZ3)			



VP13 Location



VIEWPOINT VP14			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location	Elevation	Viewpoint recorded from unsealed road off Uamby Road, approximately 630 metres west of UAM005B. Topography is flat in the foreground and gently falls towards the south to the Cudgegong River. Land is predominantly used for grazing with scattered trees throughout the landscape. Views are generally contained by a combination of vegetation and hills to the west.	<i>The Project will not be visible from this viewpoint.</i>
Uamby Road	370m		
Coordinates	Viewing Direction		
149°15'17.60"E 32°26'37.76"S	Generally South West		
Distance to WTG	Visibility Distance Zone		
Approx. 9.4km	Near Background (NB)	Potential Visual Impact The Project will not be visible from this viewpoint due to topography.	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Cudgegong	Moderate	UAM005B	
Visual Influence Zone 3 (VIZ3)			



VP14 Location



VIEWPOINT VP15			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Potential Visual Impact From this viewpoint, the Project will be screened by a combination of topography and vegetation.	<i>The proposed wind turbines will not be visible from this viewpoint location.</i>
Twelve Mile Road	420m		
Coordinates	Viewing Direction		
149°13'12.93"E 32°27'54.37"S	Generally South		
Distance to WTG	Visibility Distance Zone		
Approx. 5.6km	Far Middleground (fM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate	Nearby Residences: TMR019, TMR041	
LCU	Scenic Quality Rating		
Spicers Creek	Moderate		
Visual Influence Zone 2 (VIZ2)			



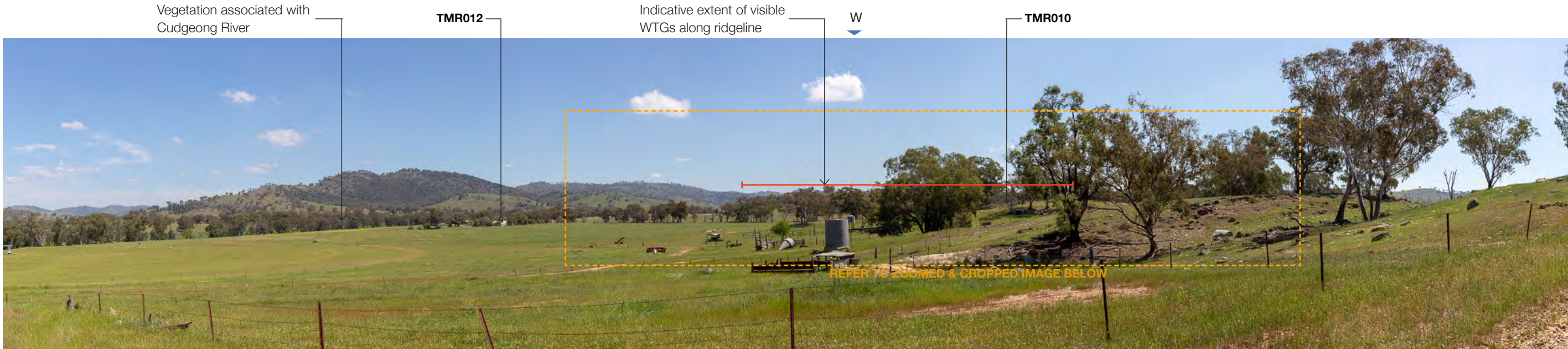
VP15 Location



VIEWPOINT VP16			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Twelve Mile Road near TMR018. Land is predominantly utilised for grazing with dense growing trees. Topography slightly undulating and rises to the ridgeline in the south. Plantings associated with TMR018 are visible in the foreground. The background is dominated by dense vegetation associated with steep hills. Potential Visual Impact From this viewpoint, the Project will be screened by a combination of topography and vegetation.	The proposed wind turbines will not be visible from this viewpoint location.
Twelve Mile Road	410m		
Coordinates	Viewing Direction		
149°13'41.17"E 32°28'6.21"S	Generally South West		
Distance to WTG	Visibility Distance Zone		
Approx. 5.7km	Far Middleground (FM)	Nearby Residences:	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating		
Spicers Creek	Moderate	TMR018	
Visual Influence Zone 2 (VIZ2)			



VP16 Location



VIEWPOINT VP17			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Yarrabin Road, approximately 350 south of the intersection with Twelve Mile Road. Land is predominantly cleared for grazing with vegetation generally contained to roadsides, residences and along the Cudgegong River. TMR010 is located behind a small hill in the foreground, surrounded by vegetation and farming equipment.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives (see <i>Appendix H</i>). Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be noticeable yet will not dominate the existing visual character. Key Feature Disruption: The proposal is unlikely to have any visual impact on major or visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location.
Yarrabin Road	380m		
Coordinates	Viewing Direction		
149°13'12.93"E 32°27'54.37"S	Generally West		
Distance to WTG	Visibility Distance Zone		
Approx. 7.8km	Far Middleground (FM)	Potential Visual Impact: From this viewpoint it is likely approximately 30 WTGs would be visible on the ridgeline in the background. Existing vegetation associated with TMR010 is likely to fragment views to some WTGs from this location.	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Cudgegong	Moderate	TMR010, TMR11, TMR12	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 02	



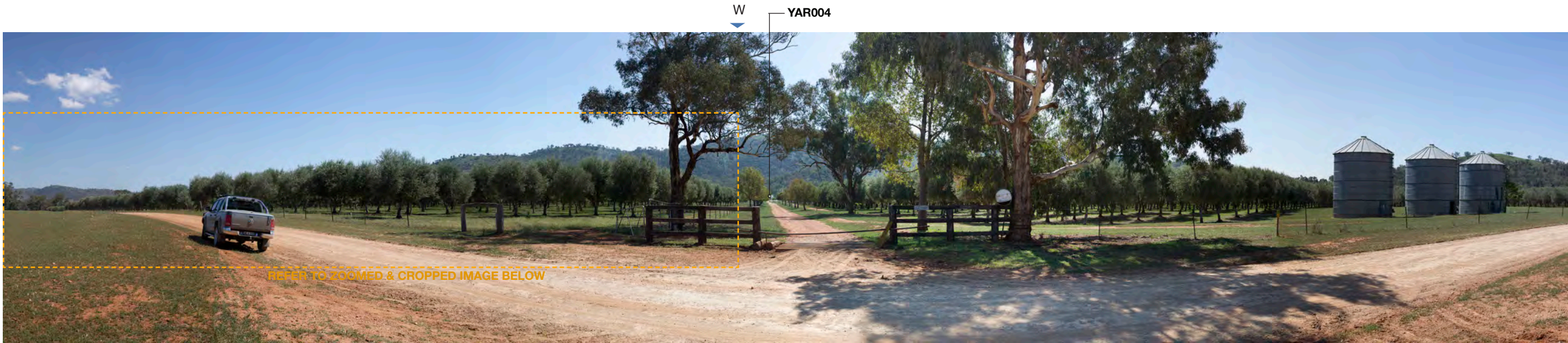
VP17 Location



VIEWPOINT VP18			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location	Elevation	View from Yarrabin Road adjacent to YARR002. Yarrabin Road is an unsealed farm road which runs along the east side of Cudgegong River providing access to dwellings. Land is predominantly utilised for grazing. Views to vegetated hills are partially screened by riparian vegetation associated with Cudgegong River which is visible in the foreground. Potential Visual Impact: From this location, views of up to 5 WTGs may be visible to the south west, however they are likely to be fragmented by a combination of topography and vegetation associated with Yarrabin Road and Cudgegong River.	No Visual Performance Objectives apply to this viewpoint.
Yarrabin Road	360m		
Coordinates	Viewing Direction		
149°13’41.17”E 32°28’6.21”S	Generally West		
Distance to WTG	Visibility Distance Zone		
Approx. 8.6km	Near Background (NB)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Cudgegong	Moderate	YAR002, YAR003	
Visual Influence Zone 3 (VIZ3)			



VP18 Location



VIEWPOINT VP19			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Yarrabin Road, looking west along the entry towards YARR004. Land is predominantly utilised for orchards with areas of improved pasture. Access road to local farm visible from Yarrabin road and vegetation associated with road edges. Topography is undulating with views rising towards the west. Potential Visual Impact: The Project will be screened by topography from this location.	The Project will be screened by topography from this location.
Yarrabin Road	380m		
Coordinates	Viewing Direction		
149°17'0.23"E 32°30'38.14"S	Generally West		
Distance to WTG	Visibility Distance Zone		
Approx. 7.6km	Far Middleground (FM)	Nearby Residences: YAR004	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating		
Cudgegong	Moderate		
Visual Influence Zone 2 (VIZ2)			



VP19 Location

Indicative direction of visible WTGs

W

YAR006

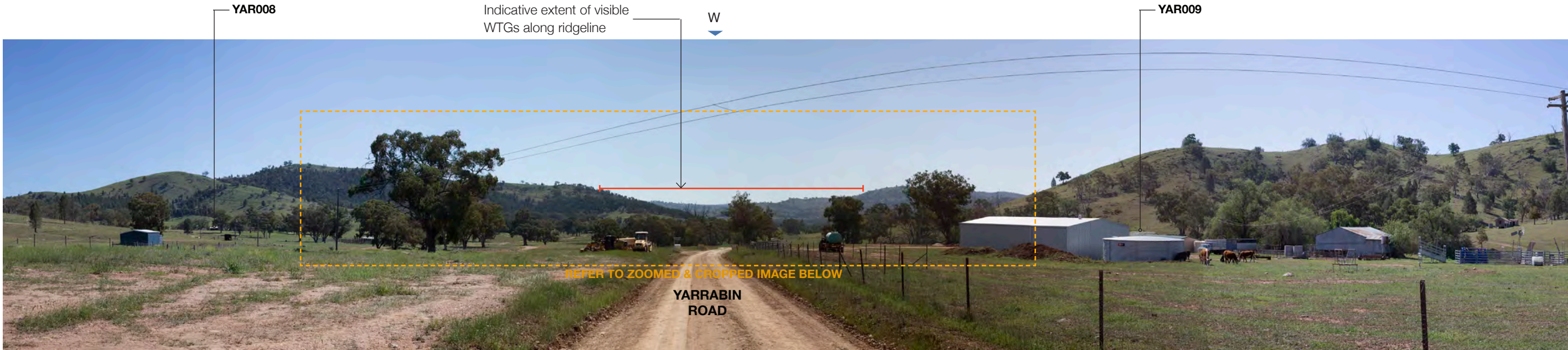


VIEWPOINT VP20

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Yarrabin Road, approximately 130m south of the entry to both YAR005 and YAR006. Land is slightly sloping and cleared for grazing with the exception of remnant vegetation which is located along drainage lines and surrounding YAR006. Views are generally contained to the west by vegetated hills.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives (<i>see Appendix H</i>). Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be visible yet will not dominate the existing visual character. Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location.
Yarrabin Road	380m		
Coordinates	Viewing Direction		
149°16'43.92"E 32°32'6.94"S	Generally West		
Distance to WTG	Visibility Distance Zone		
Approx. 7.48km	Far Middleground (FM)	Potential Visual Impact: From this viewpoint it is likely the tips of up to 8 WTGs would be visible on or beyond the vegetated ridgeline in the background.	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Cudgegong	Moderate	YAR005, YAR006	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 03	



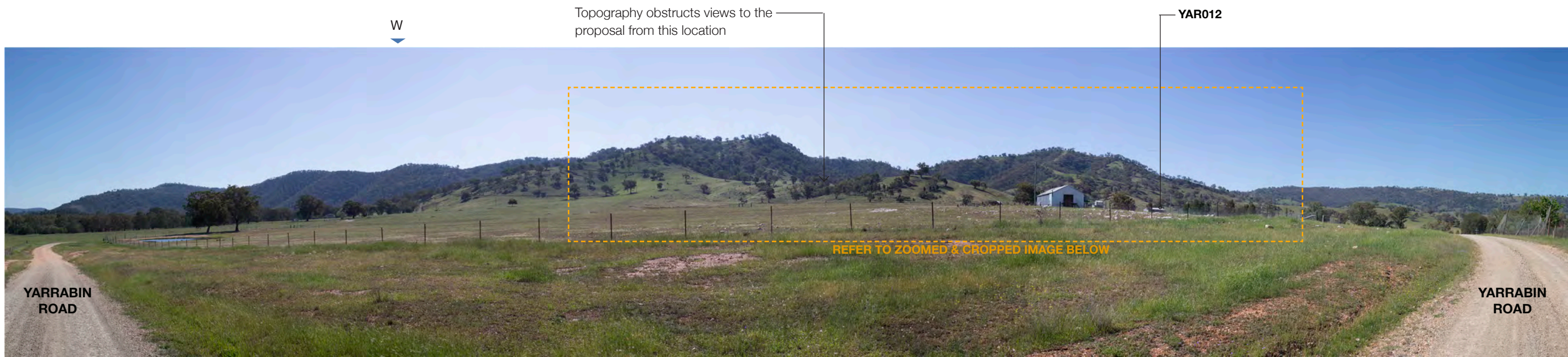
VP20 Location



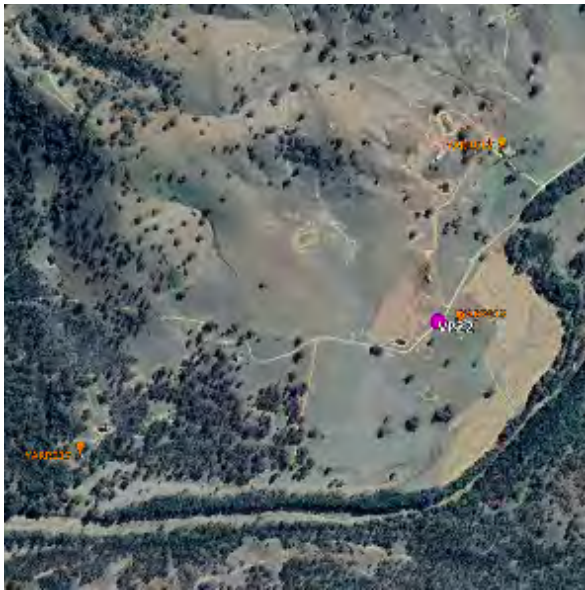
VIEWPOINT VP21			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Yarrabin Road, approximately 80 metres east of the entry to YAR009. Land in this area is cleared for agricultural purposes with some scattered vegetation associated with tributaries of the Cudgegong River which is located approximately 1.8kms north west of this viewpoint. Large farm ancillary buildings are visible in the foreground associated with YAR009. Hills in the middleground contain views. Views to the vegetated ridgeline in the background are available to the west.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives (<i>refer to Appendix H</i>). Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be visible yet will not dominate the existing visual character. Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The vegetated hills in the middleground will remain a prominent feature in the visual landscape.
Yarrabin Road	411m		
Coordinates	Viewing Direction		
149°17’23.21”E 32°32’57.35”S	Generally West		
Distance to WTG	Visibility Distance Zone		
Approx. 9.93 km	Far Middleground (FM)	Potential Visual Impact: From this viewpoint it is likely up to 40 WTGs would be visible on and beyond the ridgeline in the distance to the west.	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Cudgegong	Moderate	YAR007, YAR008, YAR009, YAR010	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 04	



VP21 Location



VIEWPOINT VP22				
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2	
Location	Elevation	View from Yarrabin Road, at the entry to YAR013. Land in this area is typical of the LCU, with cleared grazing land on the valley floor rising up towards the vegetated hills in the west. The land is used for grazing with a small number of homesteads accessed by Yarrabin Road. YAR012 is visible in the foreground. Potential Visual Impact: Views towards the Project are likely to be screened by topography.	The proposed Wind Farm is unlikely to be visible from this location due to topography.	
Yarrabin Road	381m			
Coordinates	Viewing Direction			
149°18'14.21"E 32°35'22.24"S	Generally North West			
Distance to WTG	Visibility Distance Zone			
Approx. 6.5km	Far Middleground (FM)			
Land Use	Viewer Sensitivity Level			
Rural Dwelling	Level 2: Moderate			
LCU	Scenic Quality Rating	Nearby Residences:		
Burrendong	High	YAR012, YAR013, YAR17		
Visual Influence Zone 2 (VIZ2)				



VP22 Location



VIEWPOINT VP23			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Wuuluman Road, at the entry to WUU011. Wuulum Road runs along the northern edge of the Macquarie River. Land is predominantly utilised for grazing and other farm related activities with vegetation limited to scattered coverings on hill tops. Topography is undulating, rising towards the north east. Potential Visual Impact: Views towards the Project are likely to be screened by topography from this location.	The proposed Wind Farm will not be visible from this location due to topography.
Wuuluman Road	310m		
Coordinates	Viewing Direction		
149° 5'2.61"E 32°37'59.63"S	Generally North East		
Distance to WTG	Visibility Distance Zone		
Approx. 6.6km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Wuuluman	Moderate	WUU011	
Visual Influence Zone 2 (VIZ2)			



VP23 Location



VIEWPOINT VP24			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Wuuluman Road looking in a generally north east direction towards the Study Site. Land in this area is undulating with vegetation scattered and becoming dense towards the hills associated with Yarragal Ridge. Views are contained to the east by the Yarragal Ridge. WUU006 is visible in the foreground, surrounded by vegetation. Potential Visual Impact: From this viewpoint, it is likely approximately 4 wind turbines will be visible on the ridge beyond WUU006. It is likely vegetation will assist in screening views to these WTGs.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be noticeable yet will not dominate the existing visual character. Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The vegetated Yarragal Range will remain a prominent feature in the visual landscape.
Wuuluman Road	330m		
Coordinates	Viewing Direction		
32°35'16.41"S 149° 4'20.74"E	Generally North East		
Distance to WTG	Visibility Distance Zone		
Approx. 3.6km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level	Nearby Residences:	
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating		
Wuuluman	Moderate		
Visual Influence Zone 2 (VIZ2)		WUU005, WUU006, WUU009	



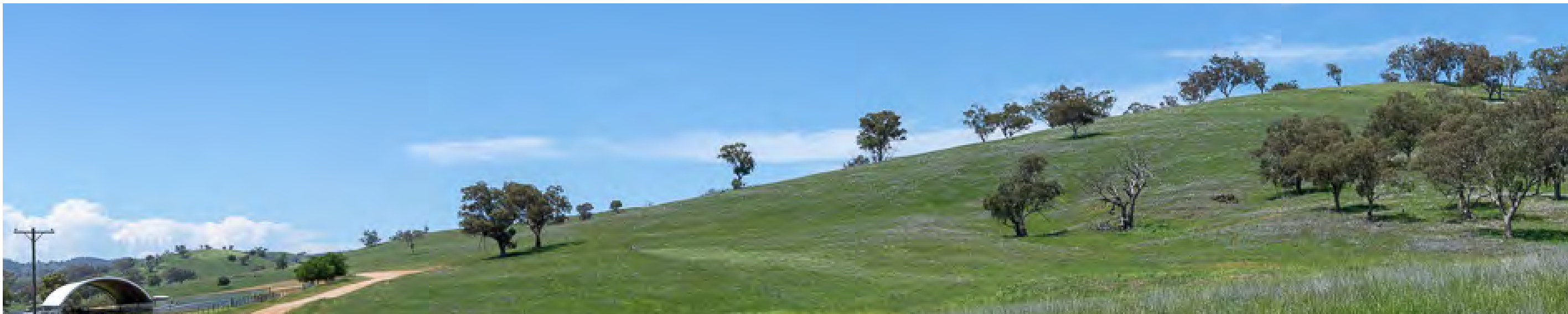
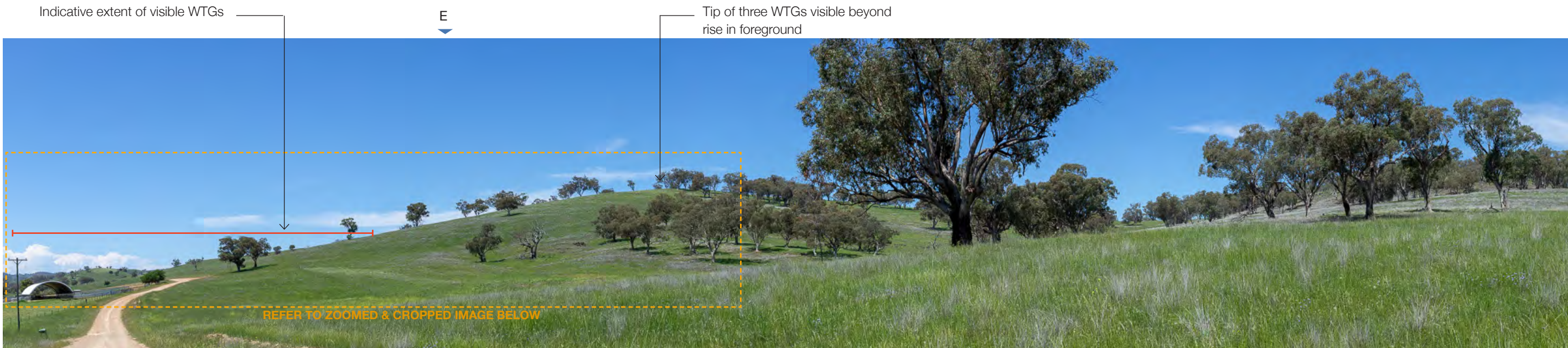
VP24 Location



VIEWPOINT VP25			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Viewpoint from Wuuluman Road, WUU005. Land is predominantly utilised for modified grazing with vegetation associated with hill tops and a creek bed remaining. Topography is undulating, rising towards the north east with views containing hills. A creek can be seen in the fore to mid ground.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be noticeable yet will not dominate the existing visual character. Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The vegetated ridge will remain a prominent feature in the visual landscape.
Wuuluman Road	350m		
Coordinates	Viewing Direction		
149° 4'15.62"E 32°34'48.23"S	Generally North East		
Distance to WTG	Visibility Distance Zone		
Approx. 3.1km	Near Middleground (NM)	Potential Visual Impact: From this viewpoint, it is likely approximately 25 wind turbines will be visible on the ridge to the north east. It is likely vegetation will assist in screening views to these WTGs.	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Wuuluman	Moderate	WUU005	
Visual Influence Zone 2 (VIZ2)			



VP25 Location

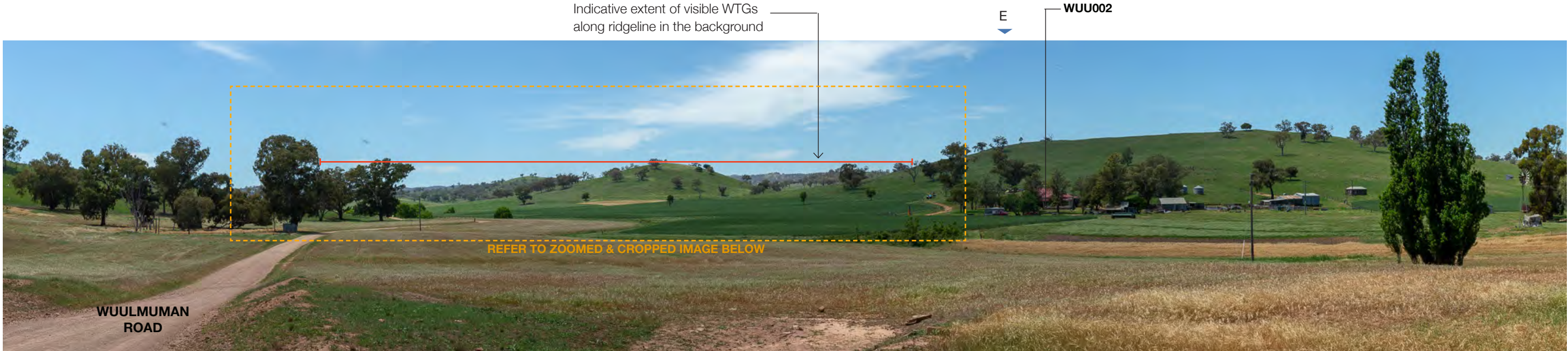


VIEWPOINT VP26

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	<p>View from Wuuluman Road approximately 60 metres south west of the entry to WUU007. Land is cleared for grazing with improved pasture and scattered vegetation. Undulating hills contain views to the south east.</p> <p>Potential Visual Impact:</p> <p>From this viewpoint approximately 16 WTGs are likely to be visible on the distant ridge to the north east. The blades of a further three WTGs are likely to be visible approximately 2kms from this viewpoint beyond the rise in the foreground.</p>	<p>Visual Magnitude:</p> <p>Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives.</p> <p>Landscape Scenic Integrity:</p> <p>The wind turbines are likely to form a small element in the overall landscape and are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be noticeable yet will not dominate the existing visual character.</p> <p>Key Feature Disruption:</p> <p>The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The undulating hills will remain a prominent feature in the visual landscape.</p>
Wuuluman Road	390m		
Coordinates	Viewing Direction		
149° 4’15.62”E 32°34’48.23”S	Generally North East		
Distance to WTG	Visibility Distance Zone		
Approx. 2km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating		
Wuuluman	Moderate	Nearby Residences:	
		WUU007, WUU008	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 15	



VP26 Location



VIEWPOINT VP27			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Viewpoint from Wuuluman Road, near WUU002. Land is predominantly utilised for grazing with scattered vegetation throughout the landscape. Topography is undulating, rising towards the east. Views are contained by a rise in topography to the east with limited views to distant ranges.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives.
Wuuluman Road	410m		
Coordinates	Viewing Direction		
149° 4'58.55"E 32°32'43.30"S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 2km	Near Middleground (NM)	Potential Visual Impact: From this viewpoint, it is likely approximately 50 WTGs will be visible on the ridge to the north east. It is likely vegetation will assist in screening views to these WTGs.	Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be visible yet will not dominate the existing visual character.
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The vegetated ridge will remain a prominent feature in the visual landscape.
Wuuluman	Moderate	WUU002	
Visual Influence Zone 2 (VIZ2)			



VP27 Location



VIEWPOINT VP28			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Viewpoint from the top of Wuuluman Road, near ILG002, looking over undulating grazing land toward the east. Land is predominantly utilised for grazing with scattered vegetation throughout the landscape. Views are expansive from this location, to distant vegetated hills. Potential Visual Impact: From this viewpoint, it is likely approximately 70 WTGs will be visible on the ridge to the east. It is likely vegetation will assist in fragmenting views to these WTGs from this location.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to modify the visual catchment from this location. The wind turbines are likely to be visible along the ridgeline. Key Feature Disruption: The proposed wind turbines would be visible on the vegetated ridge, altering the visual character from this location.
Yarragal Road	440m		
Coordinates	Viewing Direction		
149° 5'8.97"E 32°32'14.92"S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 2.3km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Wuuluman	Moderate	ILG002	
Visual Influence Zone 2 (VIZ2)			



VP28 Location



VIEWPOINT VP29			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Viewpoint from Wuuluman Road, near WUU001. Land in this area is predominantly cleared for grazing with scattered vegetation. Topography is undulating and views are generally contained by a rise in topography in the foreground to the east. The densely vegetated hill associated with Dickerton Ridge is visible to the south, forming a prominent feature in the visual landscape. Potential Visual Impact: From this viewpoint, it is likely approximately 50 WTGs will be visible on the vegetated ridge in the distance to the east.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to modify the existing visual catchment from this location. The wind turbines are likely to be visible yet will not dominate the existing visual character. Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The vegetated ridge will remain a prominent feature in the visual landscape.
Wuuluman Road	500m		
Coordinates	Viewing Direction		
149° 4'32.79"E 32°31'29.48"S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 4.1km	Far Middleground (FM)	Nearby Residences: WUU001	
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating		
Wuuluman	Moderate		
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 13	



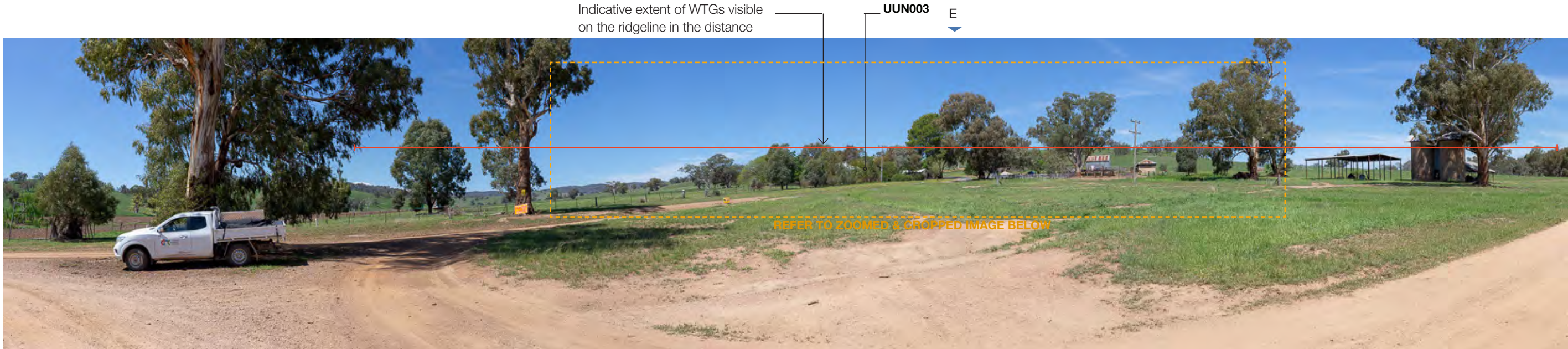
VP29 Location



VIEWPOINT VP30				
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3	
Location	Elevation	Viewpoint was recorded from Uungula Road approximately 3 km south east of the Twelve Mile Road intersection. Uungula Road is an unsealed road which follows Uungula Creek and provides access to isolated homesteads. Land in the area is used for grazing. Views are contained in part by the undulations typical of the area. Vegetated hills associated with Dickerton Ridge and Yarragal Range are visible to the south.	No Visual Performance Objectives apply to this viewpoint.	
Uungula Road	450m			
Coordinates	Viewing Direction			
149° 5'36.49"E 32°31'18.46"S	Generally East			
Distance to WTG	Visibility Distance Zone	Potential Visual Impact: From this viewpoint, it is likely approximately 50 WTGs will be visible on the ridge to the east. Scattered remnant vegetation in the foreground and along the ridgeline would fragment views to the WTGs from this location.		
Approx. 3.6km	Near Middleground (NM)			
Land Use	Viewer Sensitivity Level			
Road	Level 3: Low			
LCU	Scenic Quality Rating	Nearby Residences:		
Uungula	Moderate	-		
Visual Influence Zone 3 (VIZ3)				



VP30 Location



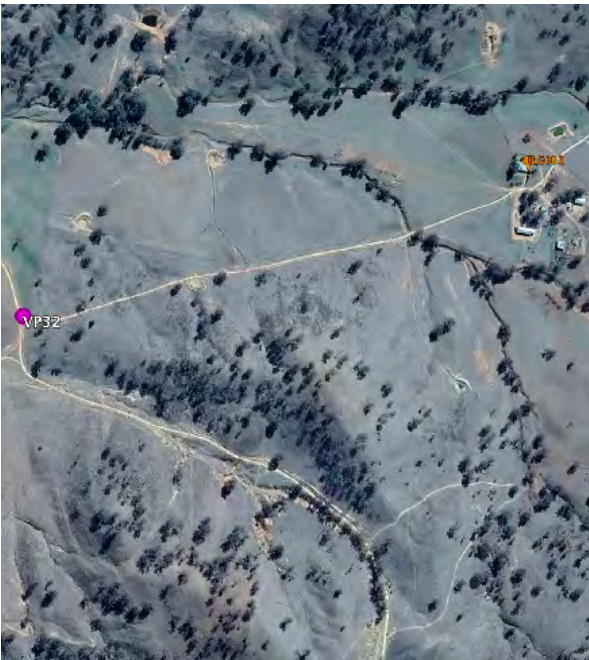
VIEWPOINT VP31			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Viewpoint from Uungula Road, adjacent to residences UUN002 and UUN003. Land is predominantly utilised for grazing with scattered trees and pockets of vegetation remaining. Topography is slightly sloping in the foreground, rising to contain views of hills towards the east. UUN003 and associated farm structures are visible in the foreground, surrounded by vegetation. Potential Visual Impact: From this viewpoint, an analysis of topography alone suggests up to 50 wind turbines will be visible on the ridge from the north east to south east. Vegetation surrounding UUN003 will assist in fragmenting views to some WTGs to the east.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to be visible yet will not dominate the existing visual character. The wind turbines are unlikely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The vegetated ridge will remain a prominent feature in the visual landscape.
Uungula Road	430m		
Coordinates	Viewing Direction		
149° 5'47.71"E 32°31'49.58"S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 2.6km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Uungula	Moderate	UUN002, UUN003	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 09	



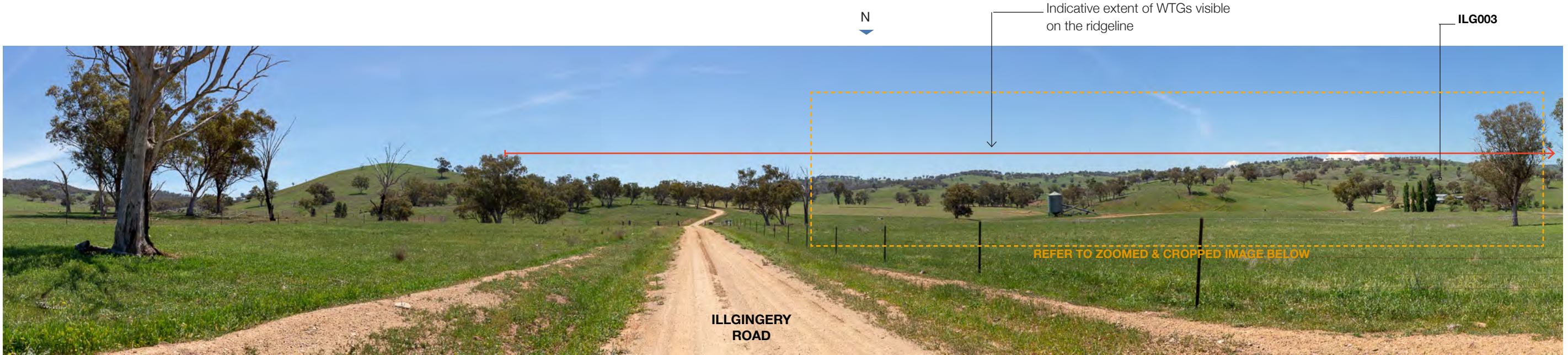
VP31 Location



VIEWPOINT VP32			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ1
Location	Elevation	View from Illgingery Road at the entry to ILG001. Illgingery Road is an unsealed farm road which runs in a generally south east direction from Wuuluman Road to Lake Burrendong, providing access to isolated homesteads. Land is slightly undulating with views to distant vegetated hills contained in part by moderately vegetated hills in the foreground. Potential Visual Impact: From this viewpoint, up to 40 proposed WTGs would be visible at varying distances. The nearest WTGs are located to the south and are likely to become a noticeable element in the visual landscape from this location.	Visual Magnitude: Mitigation methods are required for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to be visible and have the potential to form a dominant element in this visual landscape, yet they are unlikely to completely alter the visual character. Key Feature Disruption: The proposal is unlikely to have a major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The vegetated ridge will remain a prominent feature in the visual landscape.
Illgingery Road	450m		
Coordinates	Viewing Direction		
149° 6'9.98"E 32°32'33.17"S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 1.6km	Far Foreground (FF)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Uungula	Moderate	ILG001	
Visual Influence Zone 1 (VIZ1)		Refer to Photomontage 01	



VP32 Location



VIEWPOINT VP33			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ1
Location	Elevation	View from Illgingery Road looking in a generally north direction. Views in this area are generally contained by rises in topography to the north and east. Illgingery Road is a very minor farm road providing access to isolated dwellings. ILG003 is visible to the north east surrounded by plantings. Potential Visual Impact: Up to 70 WTGs associated with the proposed wind farm would be visible from this location from the north west to the south east at varying distances. The highest visual impact is likely to result from WTGs located to the north east. Nearby residences ILG003, ILG004 and ILG005 are all involved landowners.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to be visible and are likely to dominate the ridgeline surrounding the viewpoint. The wind turbines are likely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is likely to have a high visual impact on the ridgeline in this location. The proposed WTGs are likely to become a dominant element in the visual landscape.
Illgingery Road	420m		
Coordinates	Viewing Direction		
149° 7'30.26"E 32°34'45.57"S	Generally North		
Distance to WTG	Visibility Distance Zone		
Approx. 1.5km	Far Foreground (FF)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Uungula	Moderate	ILG003, ILG004, ILG005 (Involved)	
Visual Influence Zone 1 (VIZ1)		Refer to Photomontage 10	



VP33 Location



VIEWPOINT VP34			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from an elevated part of Uungula Road approximately 270m east of the entry to UUN004, an isolated homestead associated with agricultural activities. Land in this location is undulating, cleared and utilised for grazing. Vegetation associated with Wuuluman Creek is visible in the foreground. Potential Visual Impact: From this location, approximately 35 WTGs are likely to be visible, mostly to the east.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to be visible and are likely to dominate the ridgeline surrounding the viewpoint. The wind turbines are likely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is likely to have a high visual impact on the ridgeline in this location. The proposed WTGs are likely to become a dominant element in the visual landscape.
Uungula Road	500m		
Coordinates	Viewing Direction		
149° 7'14.65"E 32°31'30.13"S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 2.6km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Uungula	Moderate	UUN004	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 11	



VP34 Location



VIEWPOINT VP35			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ1
Location	Elevation	<p>View from Uungula Road approximately 450 south west of UUN005. This viewpoint has been recorded from within the project site. Uungula Road is a very minor unsealed farm road which runs through the project site providing access to homesteads.</p> <p>Potential Visual Impact:</p> <p>Proposed WTGs will be visible in all directions in varying distances from this location. There are no screening factors which will assist in screening views from this location.</p>	<p>Visual Magnitude:</p> <p>Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives.</p> <p>Landscape Scenic Integrity:</p> <p>The wind turbines are likely to be visible and are likely to dominate the ridgeline in all directions surrounding the viewpoint. The wind turbines are likely to significantly modify the visual catchment from this location.</p> <p>Key Feature Disruption:</p> <p>The proposal is likely to have a very high visual impact in all directions from this location. The proposed WTGs are likely to become a dominant element in the visual landscape.</p>
Uungula Road	480m		
Coordinates	Viewing Direction		
149° 5'47.71"E 32°31'49.58"S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 700m	Mid Foreground (MF)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate	Nearby Residences:	
LCU	Scenic Quality Rating		
Uungula	Moderate	UUN005 (Involved)	
Visual Influence Zone 1 (VIZ1)			



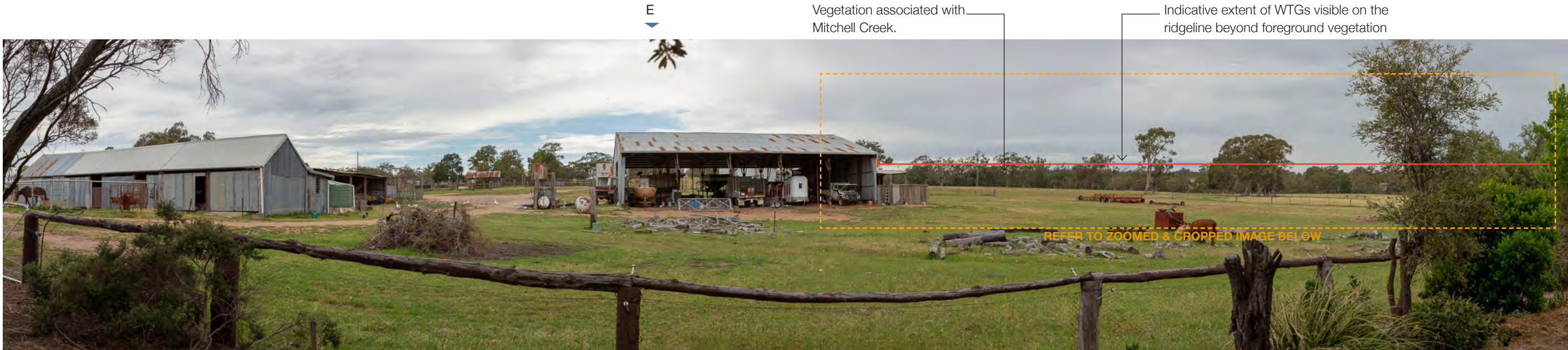
VP35 Location



VIEWPOINT VP36			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	<p>View from residence TMR023, located off Twelve Mile Road. Land in this area is slightly sloping with a moderate coverage of remnant vegetation. Riparian vegetation associated with a tributary of Mitchell Creek is visible in the foreground to the north.</p> <p>Potential Visual Impact:</p> <p>From this location it is likely approximately 30 WTGs would be visible to the south east (based on topography alone). Vegetation in the foreground would screen the majority of the visible WTGs from this location.</p>	<p>Visual Magnitude:</p> <p>Mitigation methods are to be considered for nearby residences where required in accordance with the Visual Performance Objectives.</p> <p>Landscape Scenic Integrity:</p> <p>Some wind turbines are likely to be visible through the vegetation, however they are unlikely to significantly modify the visual catchment from this location.</p> <p>Key Feature Disruption:</p> <p>The proposal is likely to have a minor visual impact from this location. The proposed WTGs are unlikely to become a dominant element in the visual landscape.</p>
Twelve Mile Road	550m		
Coordinates	Viewing Direction		
149° 7'32.38"E 32°28'39.45"S	Generally South East		
Distance to WTG	Visibility Distance Zone		
Approx. 3.2km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating		
Bodangora	Low		
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 07	



VP36 Location



VIEWPOINT VP37			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Twelve Mile Road adjacent to residence TMR031 looking in a generally east direction. Land is cleared for grazing and slightly sloping. Views are generally contained by riparian vegetation associated with Mitchell Creek and ancillary buildings. Potential Visual Impact: From this location it is likely up to 30 WTGs will be visible to the south east, partially screened by vegetation.	Visual Magnitude: Mitigation methods are to be considered for nearby residences where required in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to be partially visible to the south east and north. The wind turbines are unlikely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is likely to have a low-moderate visual impact from this location. The proposed WTGs are unlikely to become a dominant element in the visual landscape.
Twelve Mile Road	560m		
Coordinates	Viewing Direction		
149° 7’39.54”E 32°28’40.88”S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 3.1km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate	Nearby Residences:	
LCU	Scenic Quality Rating		
Bodangora	Low		
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 08 (From Dwelling TMR031)	



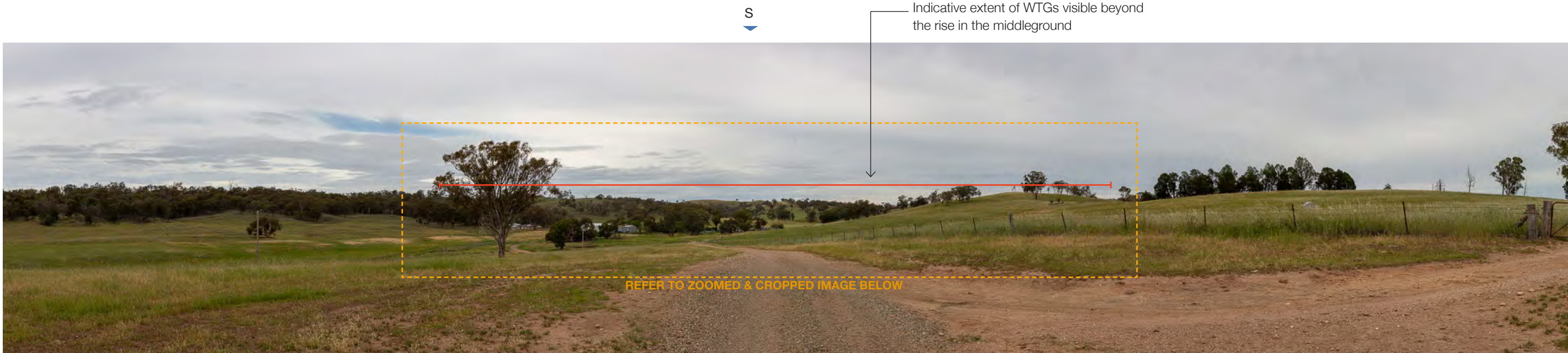
VP37 Location



VIEWPOINT VP38			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	<p>View from driveway to residence TMR022 approximately 2.6km south of Twelve Mile Road. Land in this area is predominantly cleared and flat, rising to the south. A row of plantings are visible on the top of the rise, associated with the fenceline.</p> <p>Potential Visual Impact:</p> <p>From this location it is likely approximately 30 WTGs will be visible to the south west, partially screened by topography and scattered vegetation.</p>	<p>Visual Magnitude:</p> <p>Mitigation methods are to be considered for nearby residences where required in accordance with the Visual Performance Objectives.</p> <p>Landscape Scenic Integrity:</p> <p>The wind turbines are likely to be partially visible to the south. The wind turbines are unlikely to significantly modify the visual catchment from this location.</p> <p>Key Feature Disruption:</p> <p>The proposal is likely to have a low-moderate visual impact from this location. The proposed WTGs are unlikely to become a dominant element in the visual landscape.</p>
Twelve Mile Road	570m		
Coordinates	Viewing Direction		
149° 9'48.07"E 32°28'33.08"S	Generally South		
Distance to WTG	Visibility Distance Zone		
Approx. 2.7km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating		
Uungula	Moderate		
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 06	



VP38 Location



VIEWPOINT VP39			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from unsealed road near TMR021 approximately 460m from Twelve Mile Road. Land in this location is gently undulating and predominantly cleared for grazing. Sheds and equipment associated with agricultural activities in the foreground. Vegetated hills in the middleground contain views to the south. Potential Visual Impact: From this location it is likely approximately 30 WTGs would be visible beyond the hill in the middleground.	Visual Magnitude: Mitigation methods are to be considered for nearby residences where required in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to be visible to the south. The wind turbines are unlikely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is likely to have a low-moderate visual impact from this location. The proposed WTGs are unlikely to become a dominant element in the visual landscape.
Twelve Mile Road	520m		
Coordinates	Viewing Direction		
149°10’15.05”E 32°27’18.62”S	Generally South		
Distance to WTG	Visibility Distance Zone		
Approx. 4.4km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Spicers Creek	Low	TMR021	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 05	



VP39 Location



VIEWPOINT VP40			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Potential Visual Impact: From this location views to the tips of approximately 8 WTGs are available to the south (based on topography alone). Vegetation in the foreground is likely to fragment views.	Visual Magnitude: Mitigation methods are to be considered for nearby residence where required in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to be noticeable to the south. The wind turbines are unlikely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is likely to have a low visual impact from this location. Although potentially noticeable, the proposed WTGs are unlikely to become a dominant element in the visual landscape.
Twelve Mile Road	490m		
Coordinates	Viewing Direction		
149°11'7.34"E 32°27'8.53"S	Generally South		
Distance to WTG	Visibility Distance Zone		
Approx. 5.8km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate	Nearby Residences: TMR020	
LCU	Scenic Quality Rating		
Uungula	Moderate		
Visual Influence Zone 2 (VIZ2)			



VP40 Location



VIEWPOINT VP41			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	<p>Viewpoint off Guroba Road, approximately 60 metres to the south east of the entry to UUN012. Land is predominantly utilised for grazing and related farming activities. Topography is gently undulating with a moderate coverage of remnant vegetation and plantings towards the hill tops.</p> <p>Potential Visual Impact: Topography will screen views to the Project from this location.</p>	The proposal will not be visible from this location due to topography.
Guroba Road	360m		
Coordinates	Viewing Direction		
149°16'31.22"E 32°29'40.36"S	Generally West		
Distance to WTG	Visibility Distance Zone		
Approx. 7.2km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate	<p>Nearby Residences:</p> <p>UUN011, UUN012</p>	
LCU	Scenic Quality Rating		
Cudgegong	Moderate		
Visual Influence Zone 2 (VIZ2)			



VP41 Location

W



VIEWPOINT VP42

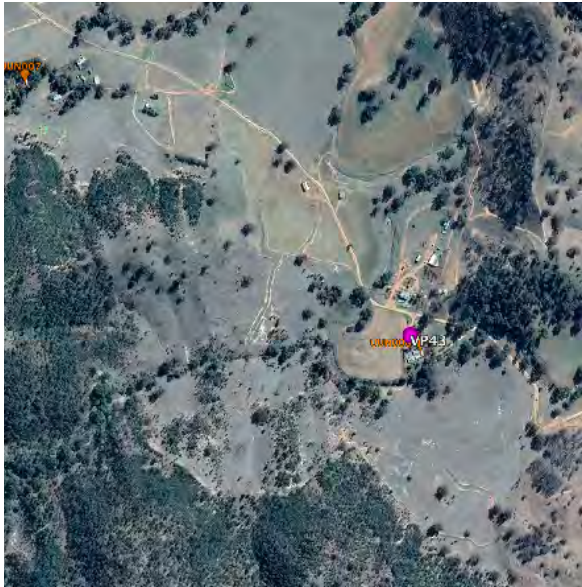
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	<p>Viewpoint off Guroba Road, at the entry to UUN009. Guroba Road is an unsealed farm road which runs along the western side of the Cudgegong River providing access to isolated homesteads. Land is generally cleared for grazing with the exception of a moderate coverage of vegetation on the hills. Views to the west are contained by hills in the foreground.</p> <p>Potential Visual Impact:</p> <p>The Project is located in a generally west to south west direction from this location. The Project will be screened by topography in the foreground.</p>	<p>The proposal would be screened by topography from this location.</p>
Guroba Road	363m		
Coordinates	Viewing Direction		
149°16'24.30"E 32°31'41.09"S	Generally West		
Distance to WTG	Visibility Distance Zone		
Approx. 7.05km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate	<p>Nearby Residences:</p> <p>UUN009</p>	
LCU	Scenic Quality Rating		
Cudgegong	Moderate		
Visual Influence Zone 2 (VIZ2)			



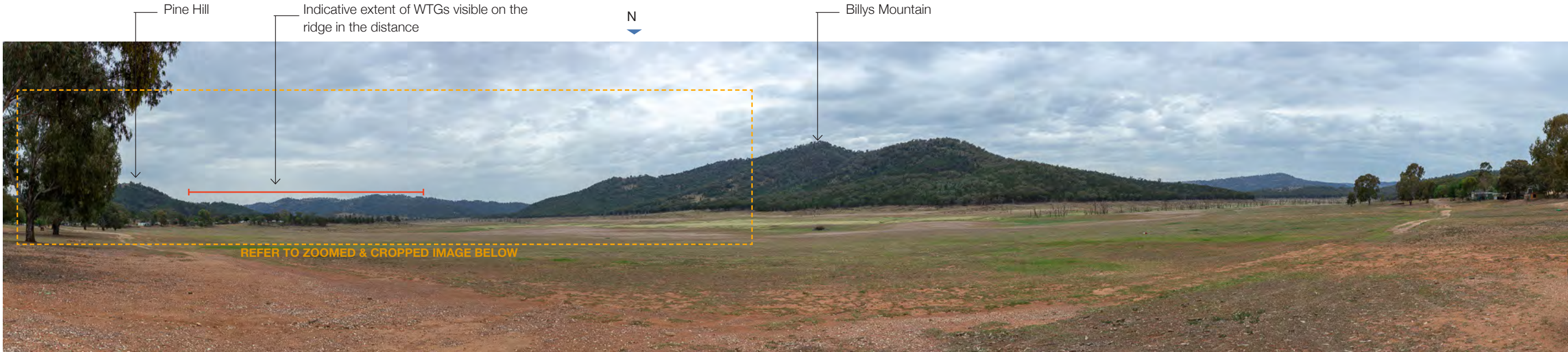
VP42 Location



VIEWPOINT VP43			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Uungula Road at residence UUN008. Vegetation in the foreground is associated with Uungula Creek. Land is gently undulating and cleared in the foreground with vegetated hills in the middleground containing views. Potential Visual Impact: From this viewpoint approximately 12 WTGs would be visible to the north west. Vegetation associated with Uungula Creek is likely to reduce the number of WTGs visible to the north west from this location.	Visual Magnitude: Mitigation methods are to be considered for nearby residences where required in accordance with the Visual Performance Objectives (see Appendix H). Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is likely to have a moderate visual impact from this location. The proposed WTGs are likely to become a dominant element in the visual landscape.
Uungula Road	370m		
Coordinates	Viewing Direction		
149°14’20.66”E 32°33’10.34”S	Generally West		
Distance to WTG	Visibility Distance Zone		
Approx. 3.85km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Cudgegong	Moderate	UUN007, UUN008	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 12	



VP43 Location



VIEWPOINT VP44			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Cudgegong River Park, located off Endacott Road approximately 5.4km south of the Study Site. Views extend across the floodplain associated with Meroo River to densely vegetated hills to the north. Vegetated hills associated with Billys Mountain and Pine Hill are a dominant feature of this visual landscape. Potential Visual Impact: From this location, views of up to 14 WTGs will be visible on the vegetated ridge in the distance to the north west.	Visual Magnitude: Mitigation methods are to be considered for nearby residences where required in accordance with the Visual Performance Objectives (see Appendix H). Landscape Scenic Integrity: Although visible, due to distance the wind turbines are unlikely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is likely to be a small element in the overall visual impact from this location. The vegetated hills associated with Billys Mountain (to the north) and Pine Hill (to the north west) would remain a dominant feature of the landscape.
Cudgegong River Park	340m		
Coordinates	Viewing Direction		
149°15'37.03"E 32°37'28.62"S	Generally North		
Distance to WTG	Visibility Distance Zone		
Approx. 7.7 km	Far Middleground (NM)	Nearby Residences: ENC001	
Land Use	Viewer Sensitivity Level		
RE2 Private Recreation	Level 2: Moderate		
LCU	Scenic Quality Rating		
Burrendong	Moderate		
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 17	



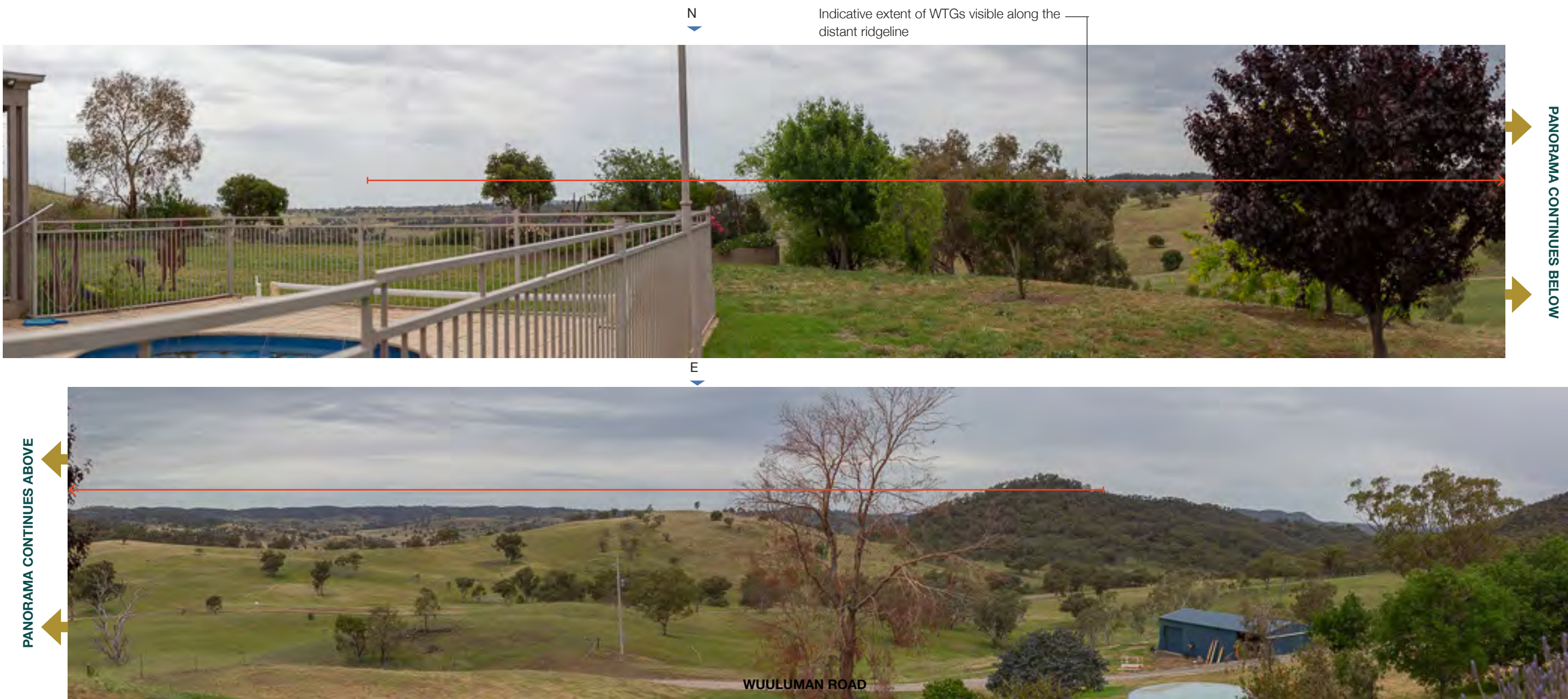


VIEWPOINT VP45

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	View from Wuuluman Road approximately 300 metres south of the entry to WUU008. Land in this location is predominantly cleared and slightly undulating, with views to distant vegetated ranges. Yarragal Ridge is a dominant visual feature to the south of this viewpoint. Potential Visual Impact: From this viewpoint, it is likely approximately 30 WTGs would be visible to the east.	Visual Magnitude: Mitigation methods are to be considered for nearby residences where required in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are likely to be a noticeable element in the landscape but are unlikely to significantly modify the visual catchment from this location. Key Feature Disruption: The proposal is likely to have a moderate visual impact from this location. The proposed WTGs are likely to become a dominant element in the visual landscape.
Wuuluman Road	370m		
Coordinates	Viewing Direction		
149° 4’27.93”E 32°33’52.63”S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 2.1km	Near Middleground (NM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Wuuluman	Moderate	WUU008	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 16	



VP45 Location



VIEWPOINT VP46			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location	Elevation	Viewpoint from elevated residence WUU001 located on a rise associated with the northern end of Dickerton Ridge. Land in this area is predominantly cleared for grazing with scattered vegetation. Topography is undulating and views are available to vegetated ridgelines to the east. The densely vegetated hill associated with Dickerton Ridge is visible to the south, forming a prominent feature in the visual landscape. Potential Visual Impact: Based on topography, it is likely the majority of WTGs associated with the Project would be visible along the ridgeline in the distance. Views to a small number of turbines in the south west of the project site would be obstructed by the Dickerton Ridge.	Visual Magnitude: Mitigation methods are to be considered for nearby residences in accordance with the Visual Performance Objectives. Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines are likely to be visible yet will not dominate the existing visual character. Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location. The vegetated ridge will remain a prominent feature in the visual landscape.
Wuuluman Road	520m		
Coordinates	Viewing Direction		
149° 4'22.57"E 32°31'30.13"S	Generally East		
Distance to WTG	Visibility Distance Zone		
Approx. 4.2km	Far Middleground (FM)		
Land Use	Viewer Sensitivity Level		
Rural Dwelling	Level 2: Moderate		
LCU	Scenic Quality Rating	Nearby Residences:	
Wuuluman	Moderate	WUU001	
Visual Influence Zone 2 (VIZ2)		Refer to Photomontage 18	



VP46 Location

Photomontages and Wire frame Images

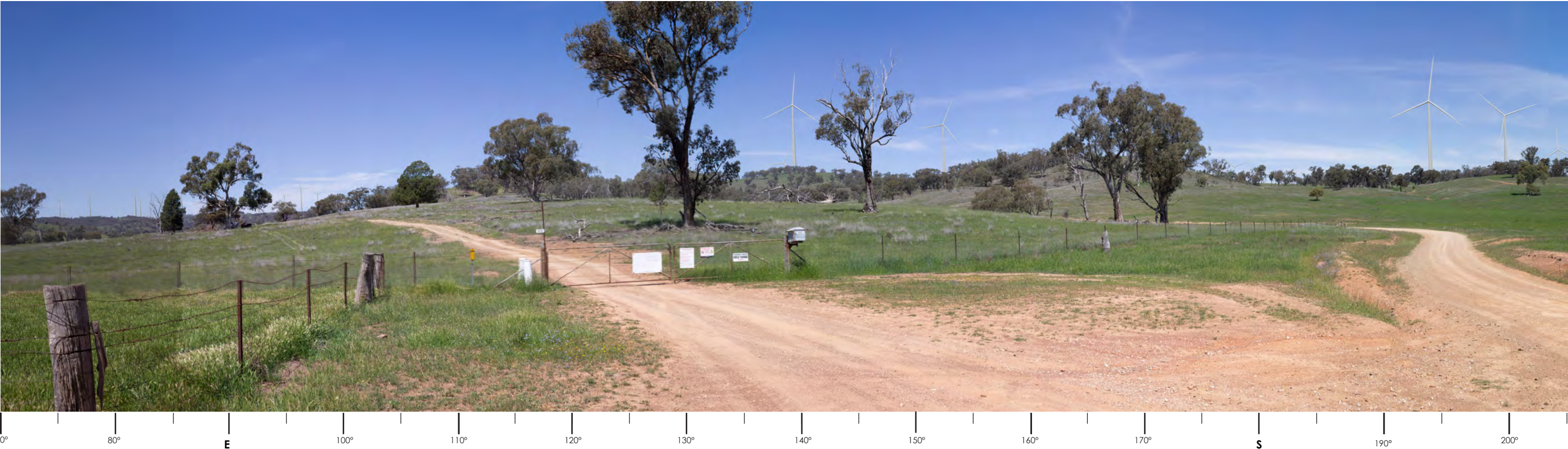
APPENDIX D

Photomontage 01 Viewpoint 32

Existing view from VP32



Proposed view from VP32



Photomontage 01 Location Map

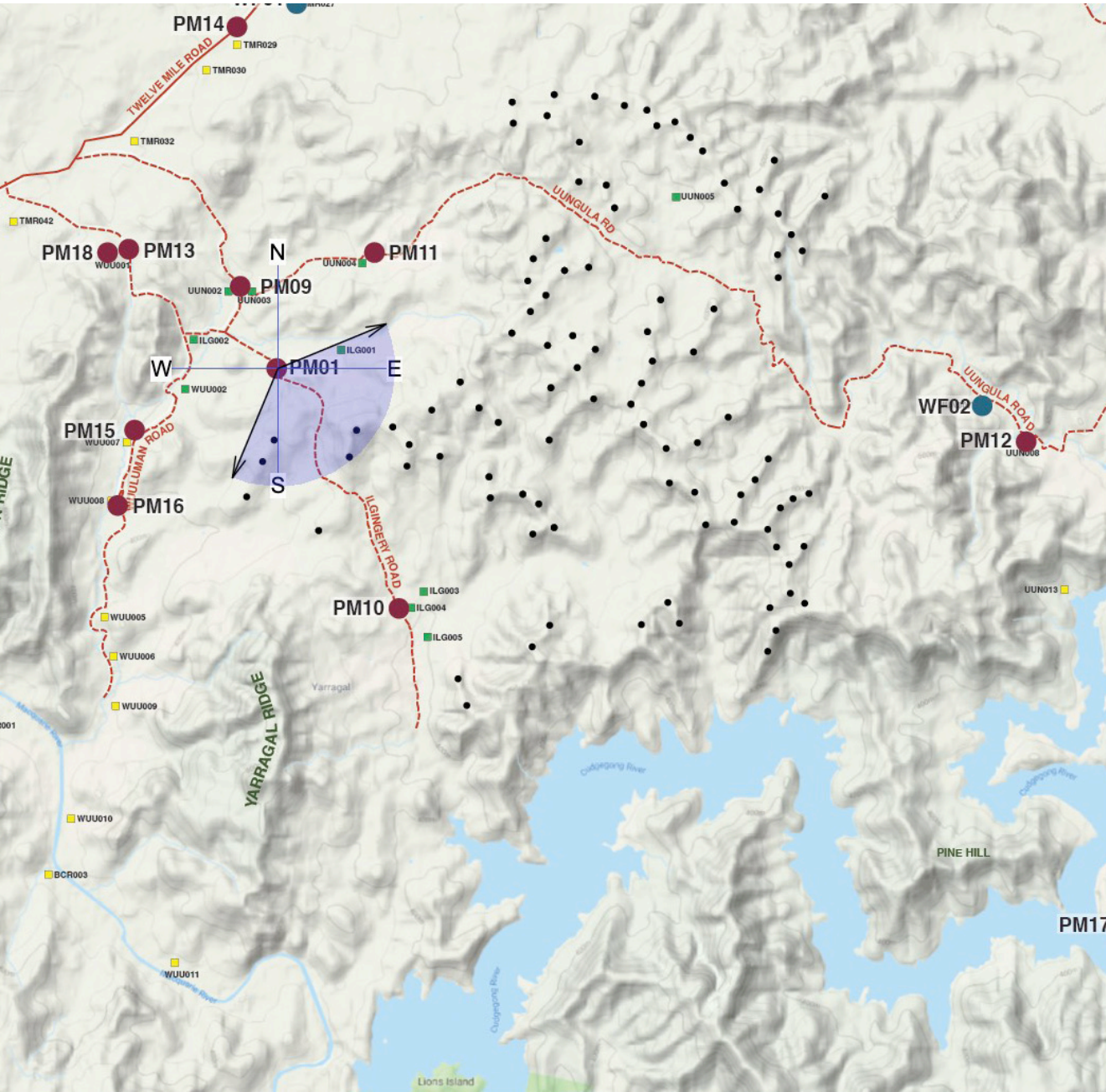


Figure D.1 Photomontage 01 Location and Viewing Direction

Summary of Photomontage 01
Refer to Viewpoint 32
Location:
Illgerry Road
Coordinates:
149° 6'9.98"E 32°32'33.17"S
Distance to WTG:
Approx. 1.6km
Viewing Direction:
Generally South East
Elevation:
450m
Representative Dwelling/s:
ILG001

Photomontage 02 Viewpoint 17

Existing view from VP17



Proposed view from VP17



Photomontage 02 Location Map

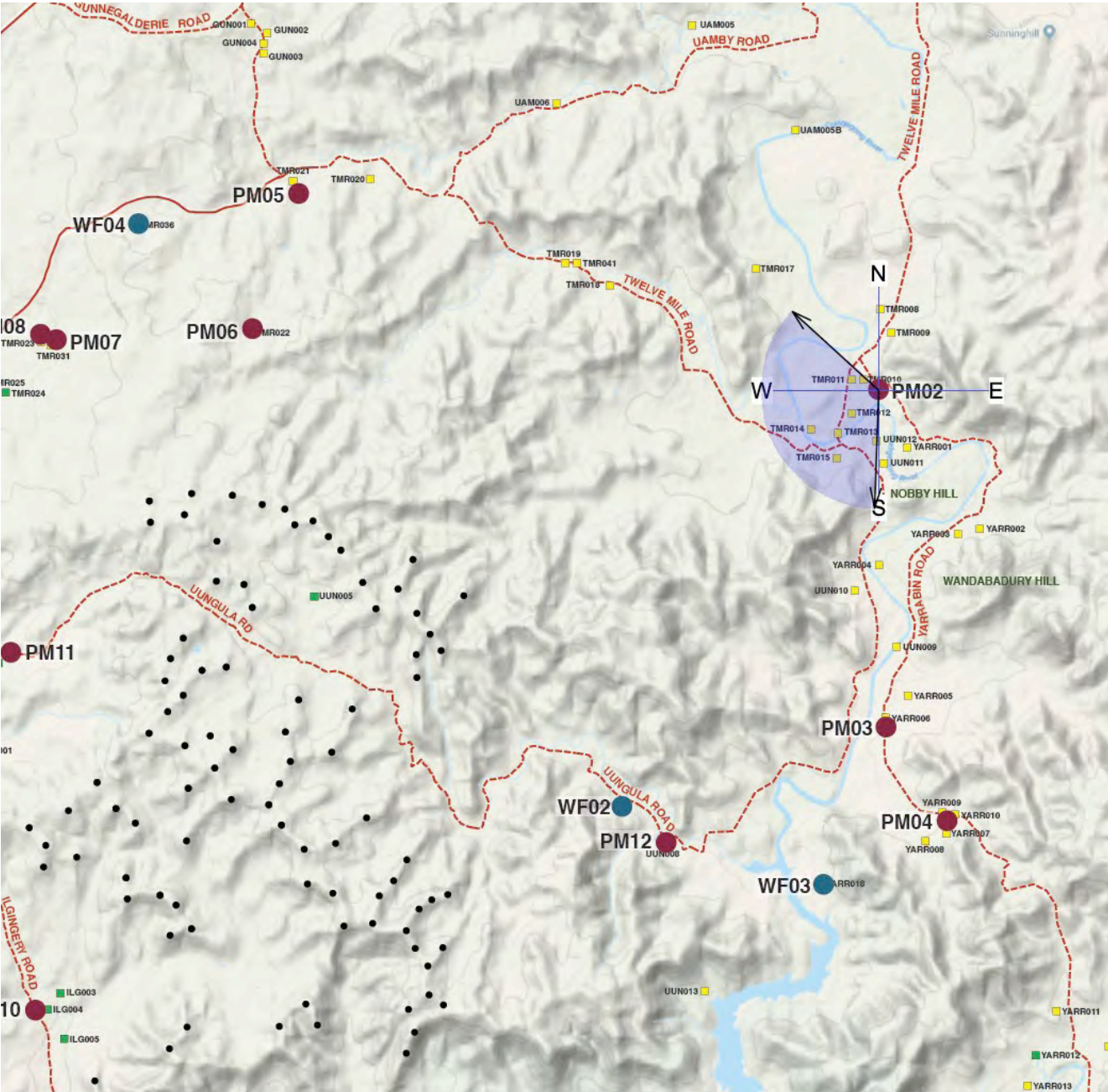


Figure D.2 Photomontage 02 Location and Viewing Direction

Summary of Photomontage 02
Refer to Viewpoint 17
Location:
Yarrabin Road
Coordinates:
149°13'12.93"E 32°27'54.37"S
Distance to WTG:
Approx. 7.8km
Viewing Direction:
Generally West
Elevation:
380m
Representative Dwelling/s:
TMR010, TMR011, TMR012

Photomontage 03 Viewpoint 20

Existing view from VP20



Proposed view from VP20



Photomontage 03 Location Map

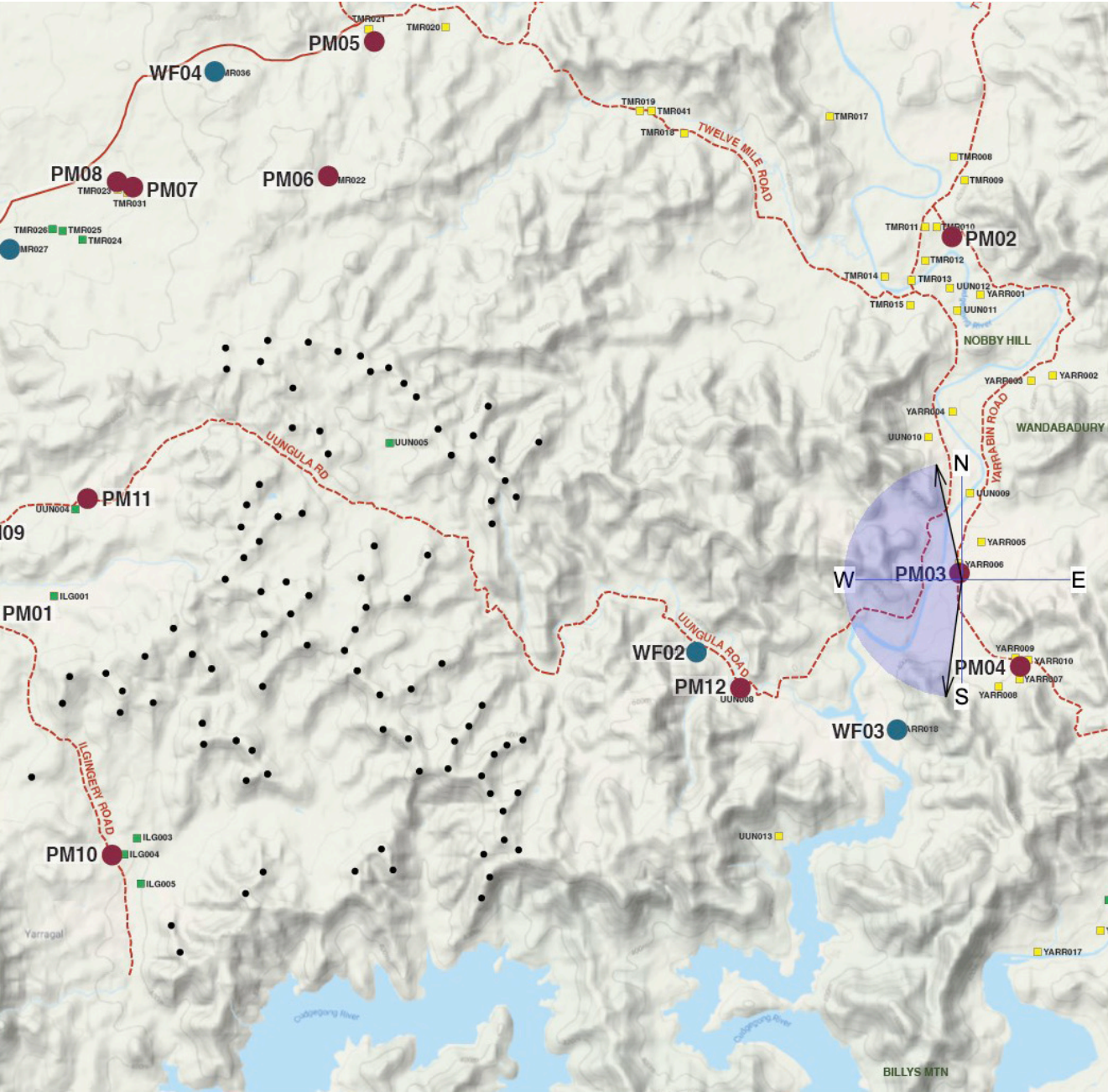


Figure D.3 Photomontage 03 Location and Viewing Direction

Summary of Photomontage 03
Refer to Viewpoint 20
Location:
Yarrabin Road
Coordinates:
149°16'43.92"E 32°32'6.94"S
Distance to WTG:
Approx. 6.2km
Viewing Direction:
Generally West
Elevation:
380m
Representative Dwelling/s:
YAR005, YAR006

Photomontage 04 Viewpoint 21

Existing view from VP21



Proposed view from VP21



Photomontage 04 Location Map

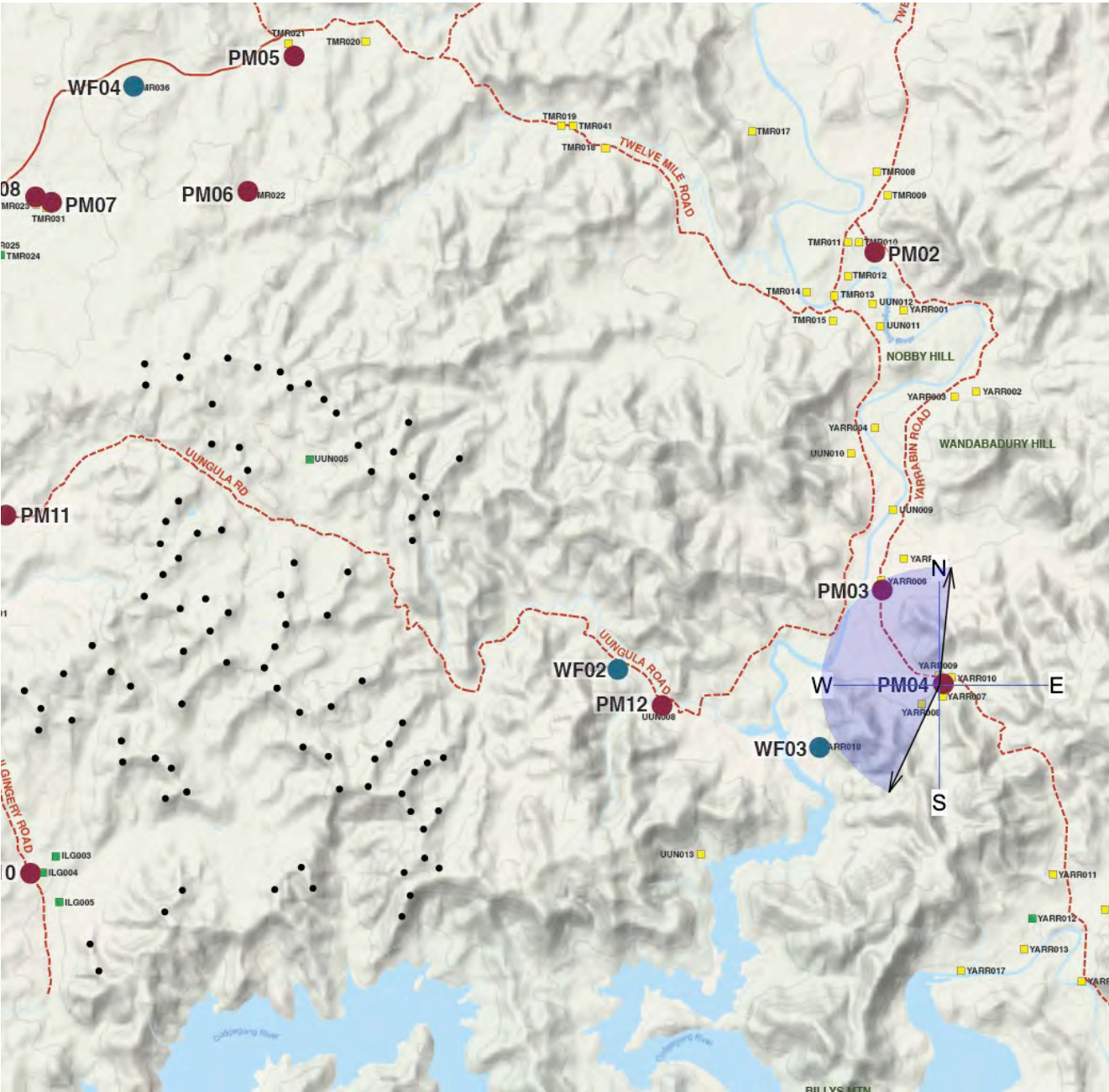
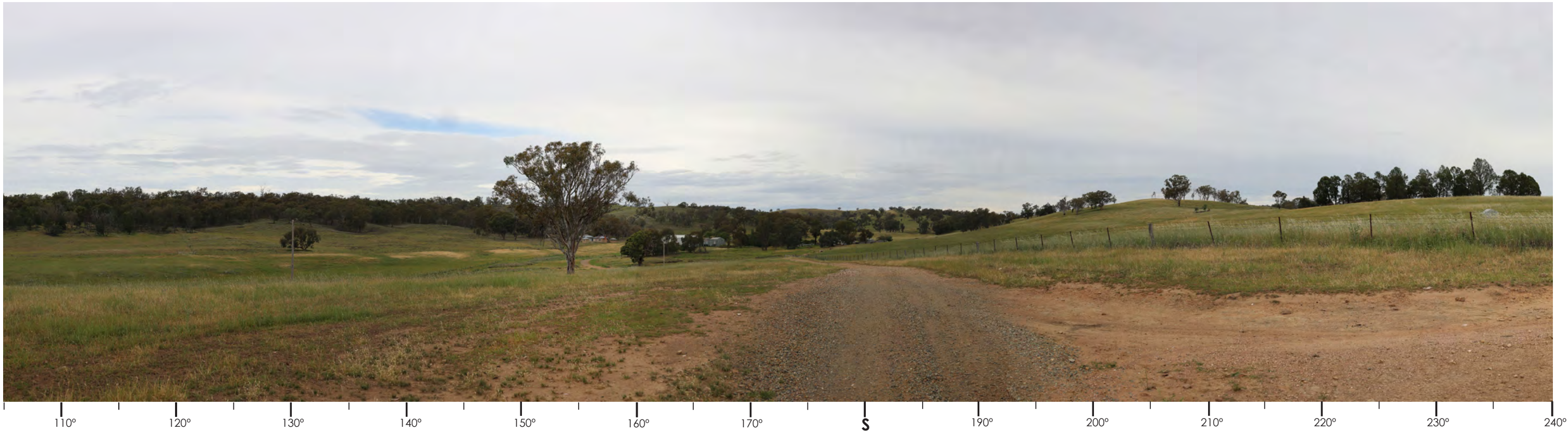


Figure D.4 Photomontage 04 Location and Viewing Direction

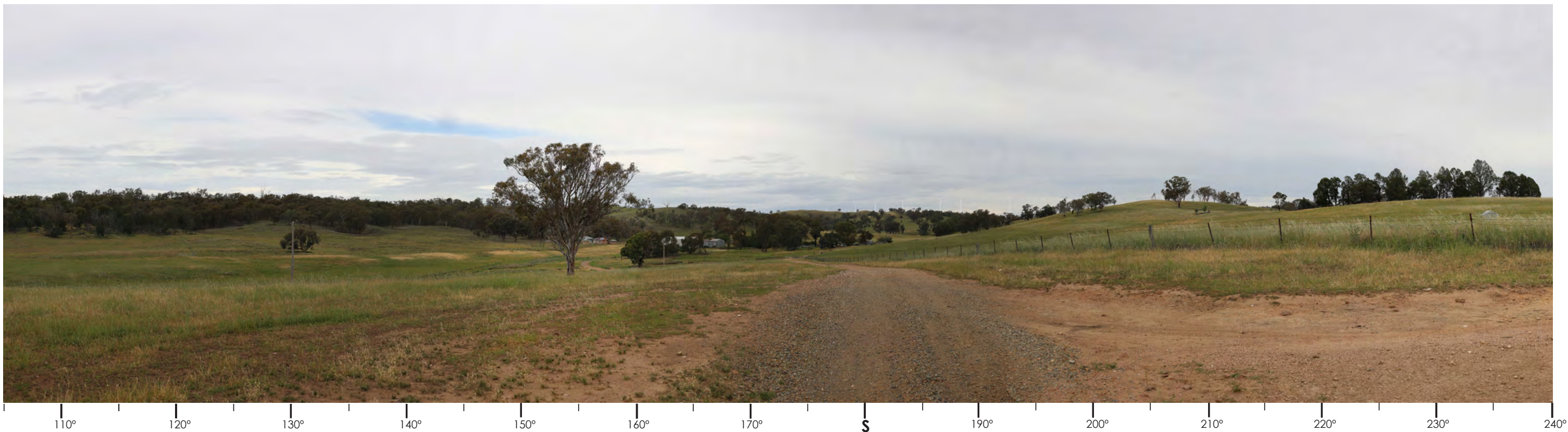
Summary of Photomontage 04
Refer to Viewpoint 21
Location:
Yarrabin Road
Coordinates:
149°17'23.21"E 32°32'57.35"S
Distance to WTG:
Approx. 6km
Viewing Direction:
Generally West
Elevation:
411m
Representative Dwelling/s:
YAR007, YAR008, YAR009, YAR010

Photomontage 05 Viewpoint 39

Existing view from VP39



Proposed view from VP39



Refer to Appendix E for Blue Sky Comparison

Photomontage 05 Location Map

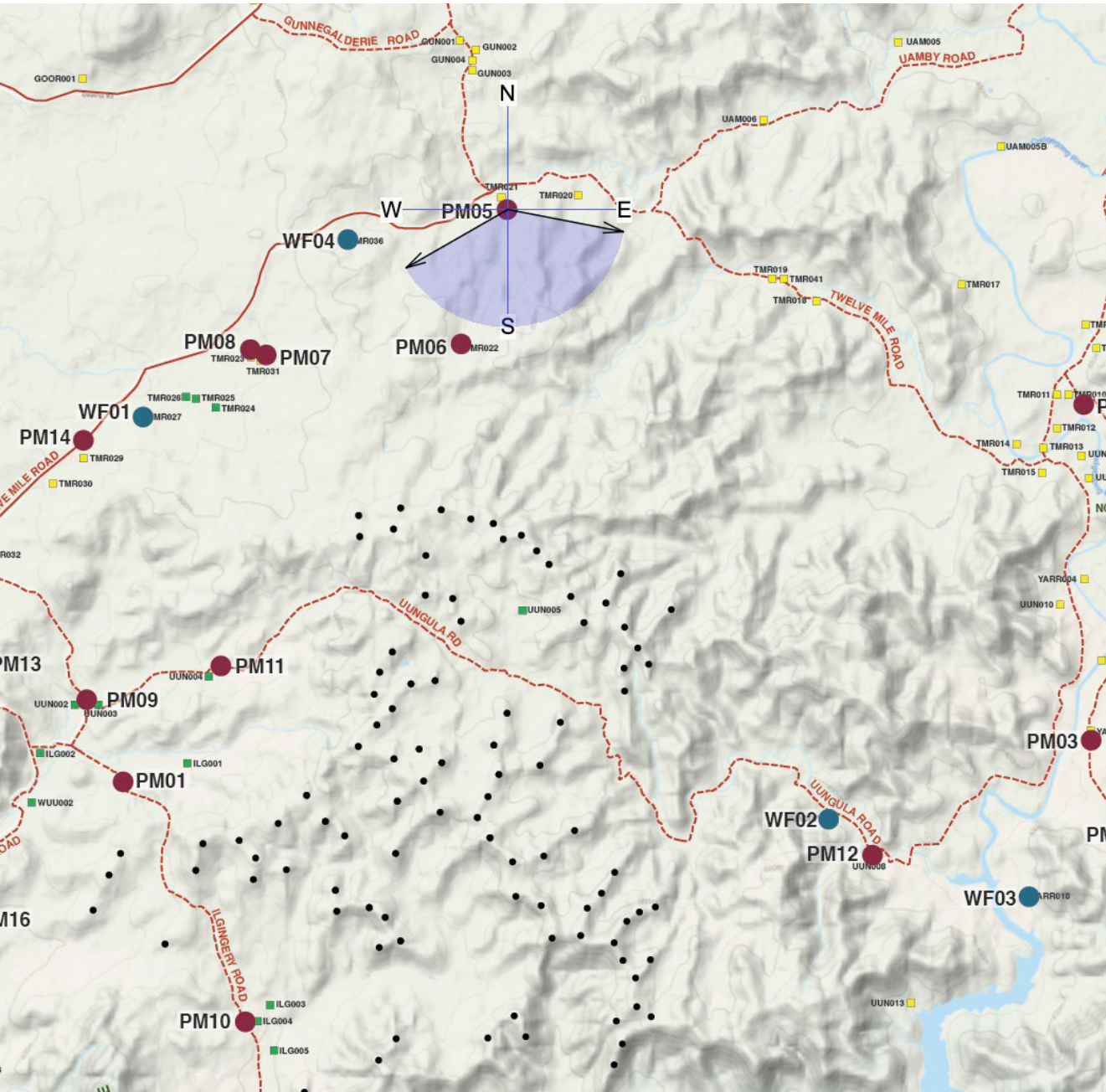


Figure D.5 Photomontage 05 Location and Viewing Direction

Summary of Photomontage 05
Refer to Viewpoint 39
Location:
Twelve Mile Road
Coordinates:
149°10'15.05"E 32°27'18.62"S
Distance to WTG:
Approx. 4.4km
Viewing Direction:
Generally South
Elevation:
520m
Representative Dwelling/s:
TMR021

Photomontage 06 Viewpoint 38

Existing view from VP38



Proposed view from VP38



Refer to Appendix E for Blue Sky Comparison

Photomontage 06 Location Map

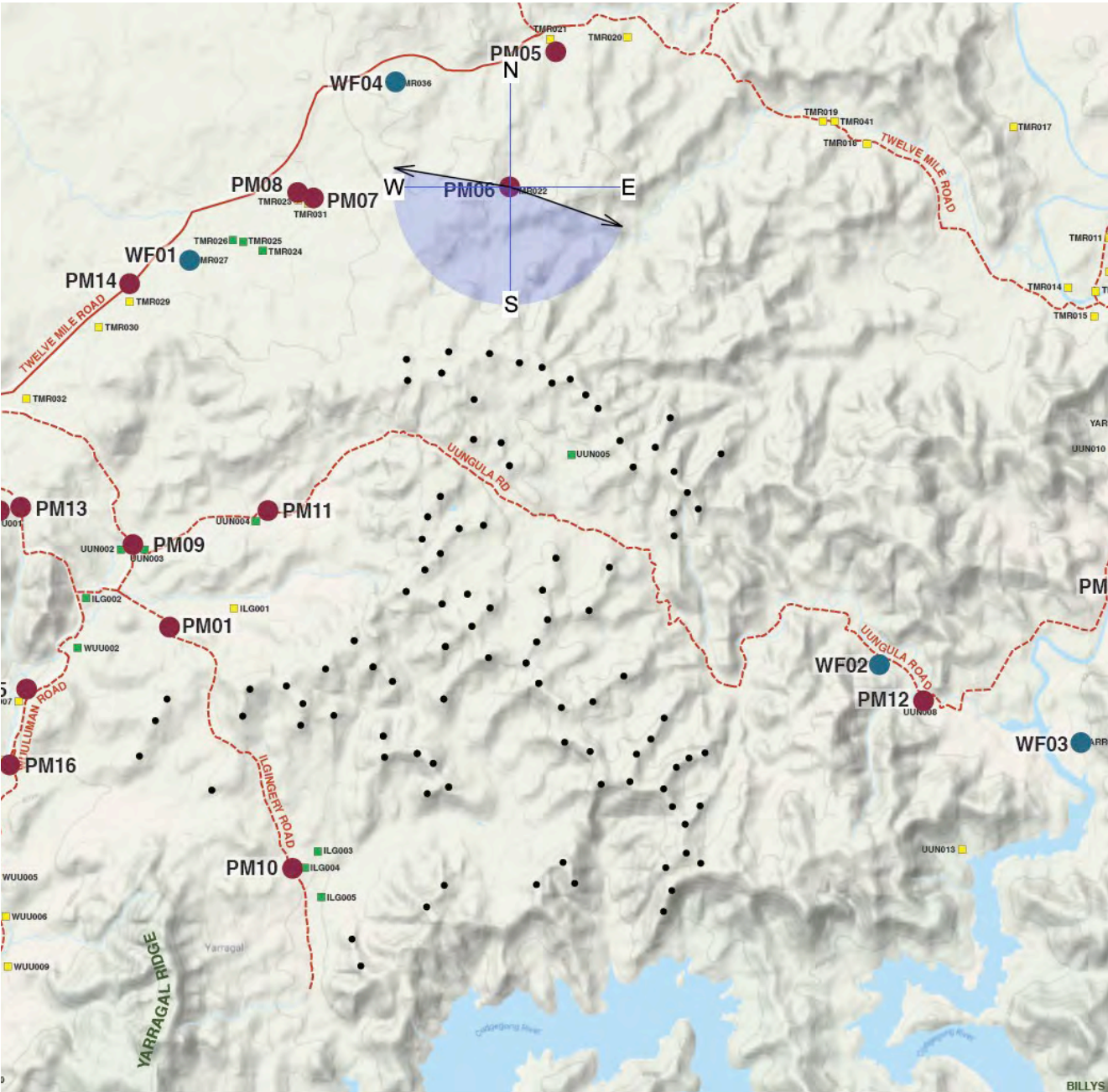


Figure D.6 Photomontage 06 Location and Viewing Direction

Summary of Photomontage 06
Refer to Viewpoint 38
Location:
Twelve Mile Road
Coordinates:
149° 9'48.07"E 32°28'33.08"S
Distance to WTG:
Approx. 2.7km
Viewing Direction:
Generally South
Elevation:
570m
Representative Dwelling/s:
TMR022

Photomontage 07 Viewpoint 36

Existing view from VP36



Proposed view from VP36



Refer to Appendix E for Blue Sky Comparison

Photomontage 07 Location Map

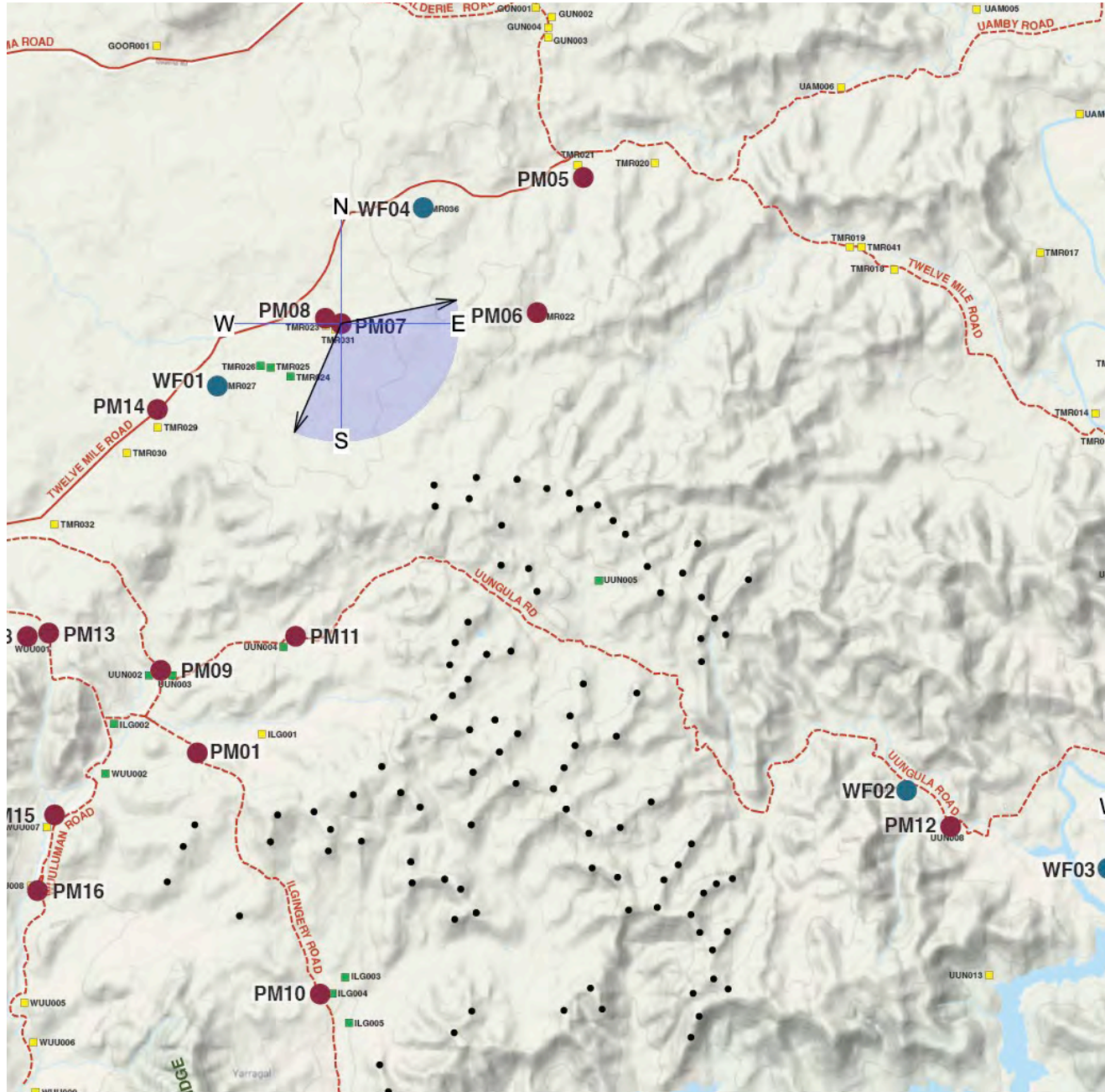


Figure D.7 Photomontage 07 Location and Viewing Direction

Summary of Photomontage 07

Refer to Viewpoint 36

Location:

Twelve Mile Road

Coordinates:

149° 7'32.38"E
32°28'39.45"S

Distance to WTG:

Approx. 3.2km

Viewing Direction:

Generally South East

Elevation:

550m

Representative Dwelling/s:

TMR023

Photomontage 08 Viewpoint 37

Existing view from VP37



Proposed view from VP37



Refer to Appendix E for Blue Sky Comparison

Photomontage 08 Location Map

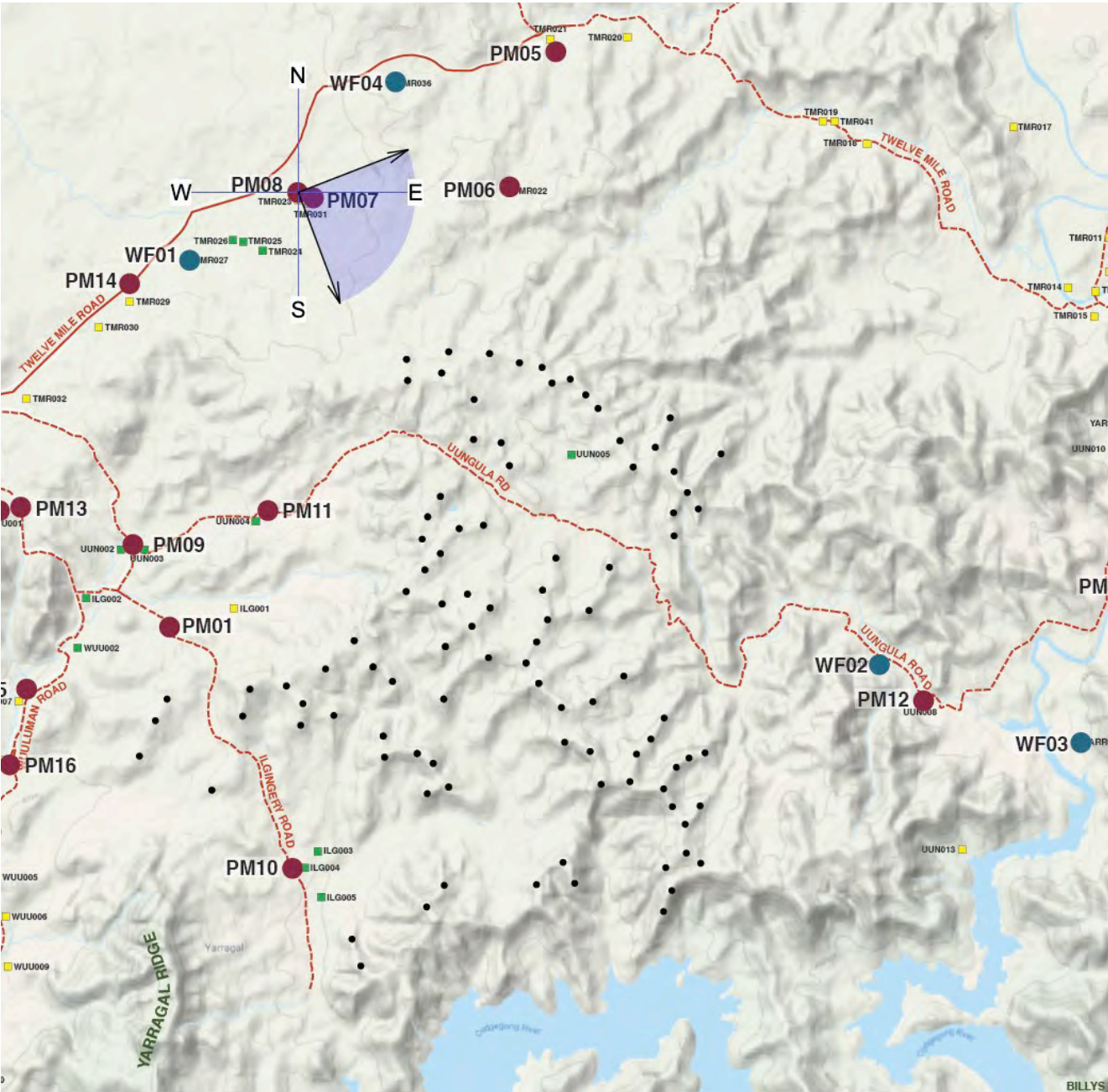
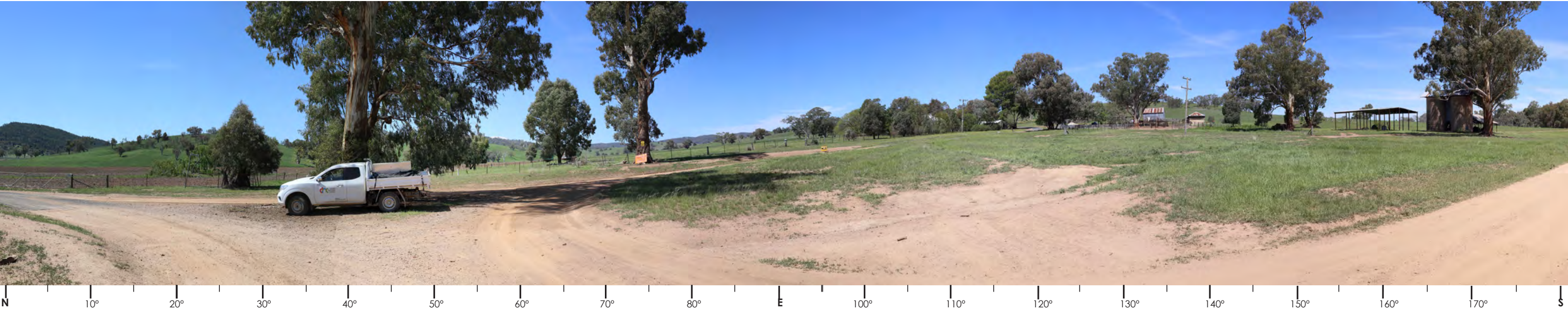


Figure D.8 Photomontage 08 Location and Viewing Direction

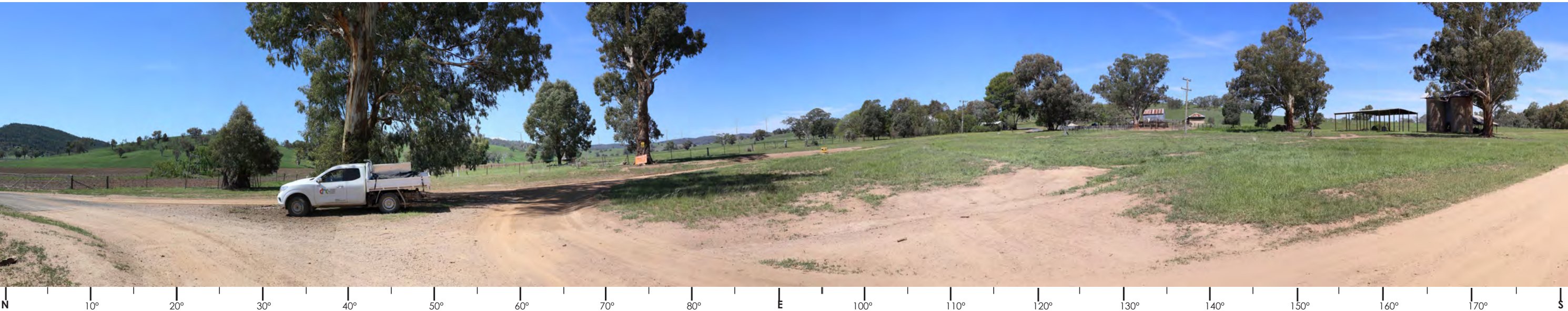
Summary of Photomontage 08
Refer to Viewpoint 37
Location:
Twelve Mile Road
Coordinates:
149° 7'39.54"E 32°28'40.88"S
Distance to WTG:
Approx. 3.1km
Viewing Direction:
Generally East
Elevation:
560m
Representative Dwelling/s:
TMR031

Photomontage 09 Viewpoint 31

Existing view from VP31



Proposed view from VP31



Photomontage 09 Location Map

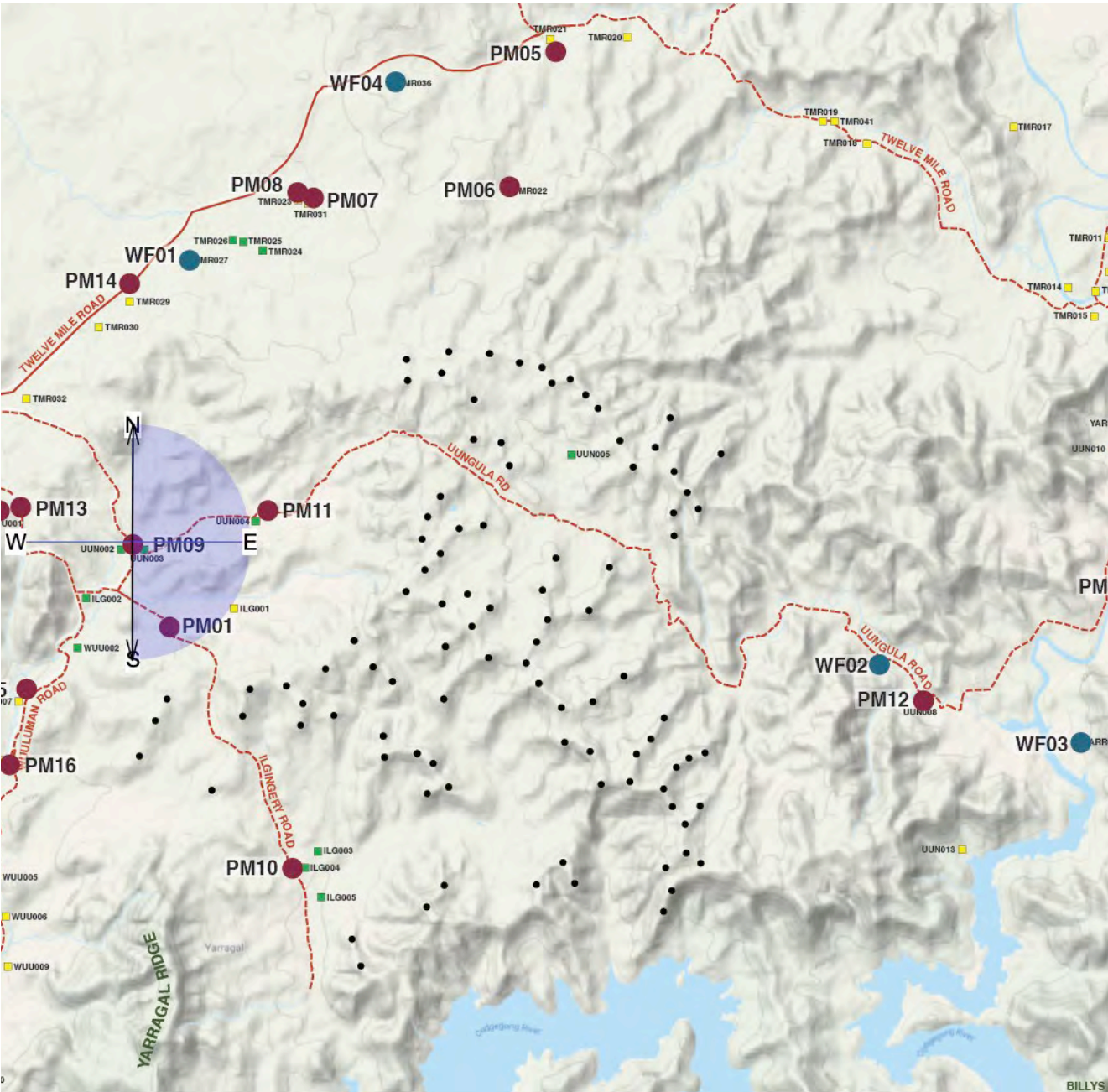


Figure D.9 Photomontage 09 Location and Viewing Direction

Summary of Photomontage 09
Refer to Viewpoint 31
Location:
Uungula Road
Coordinates:
149° 5'47.71"E 32°31'49.58"S
Distance to WTG:
Approx. 2.6km
Viewing Direction:
Generally East
Elevation:
430m
Representative Dwelling/s:
UUN002, UUN003

Photomontage 10 Viewpoint 33

Existing view from VP33



Proposed view from VP33



Photomontage 10 Location Map

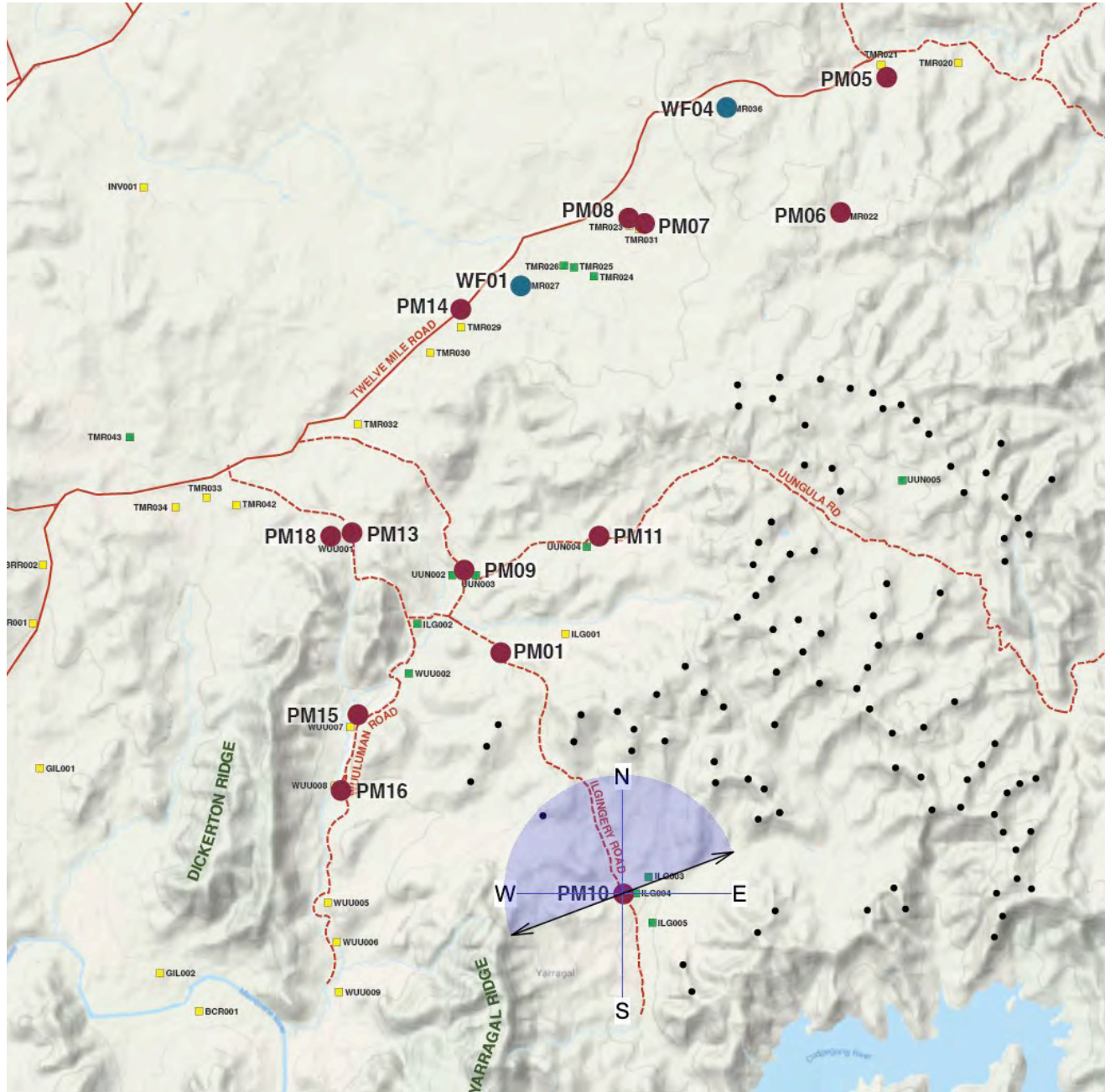


Figure D.10 Photomontage 10 Location and Viewing Direction

Summary of Photomontage 10

Refer to Viewpoint 33

Location:

Illgingery Road

Coordinates:

149° 7'30.26"E
32°34'45.57"S

Distance to WTG:

Approx. 1.5km

Viewing Direction:

Generally North

Elevation:

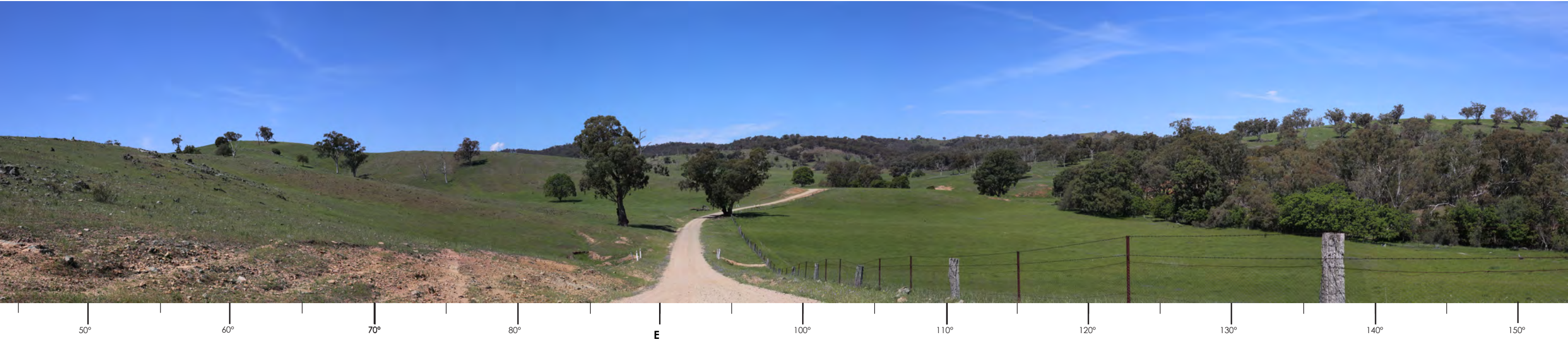
420m

Representative Dwelling/s:

ILG003, ILG004, ILG005

Photomontage 11 Viewpoint 34

Existing view from VP34



Proposed view from VP34



Photomontage 11 Location Map

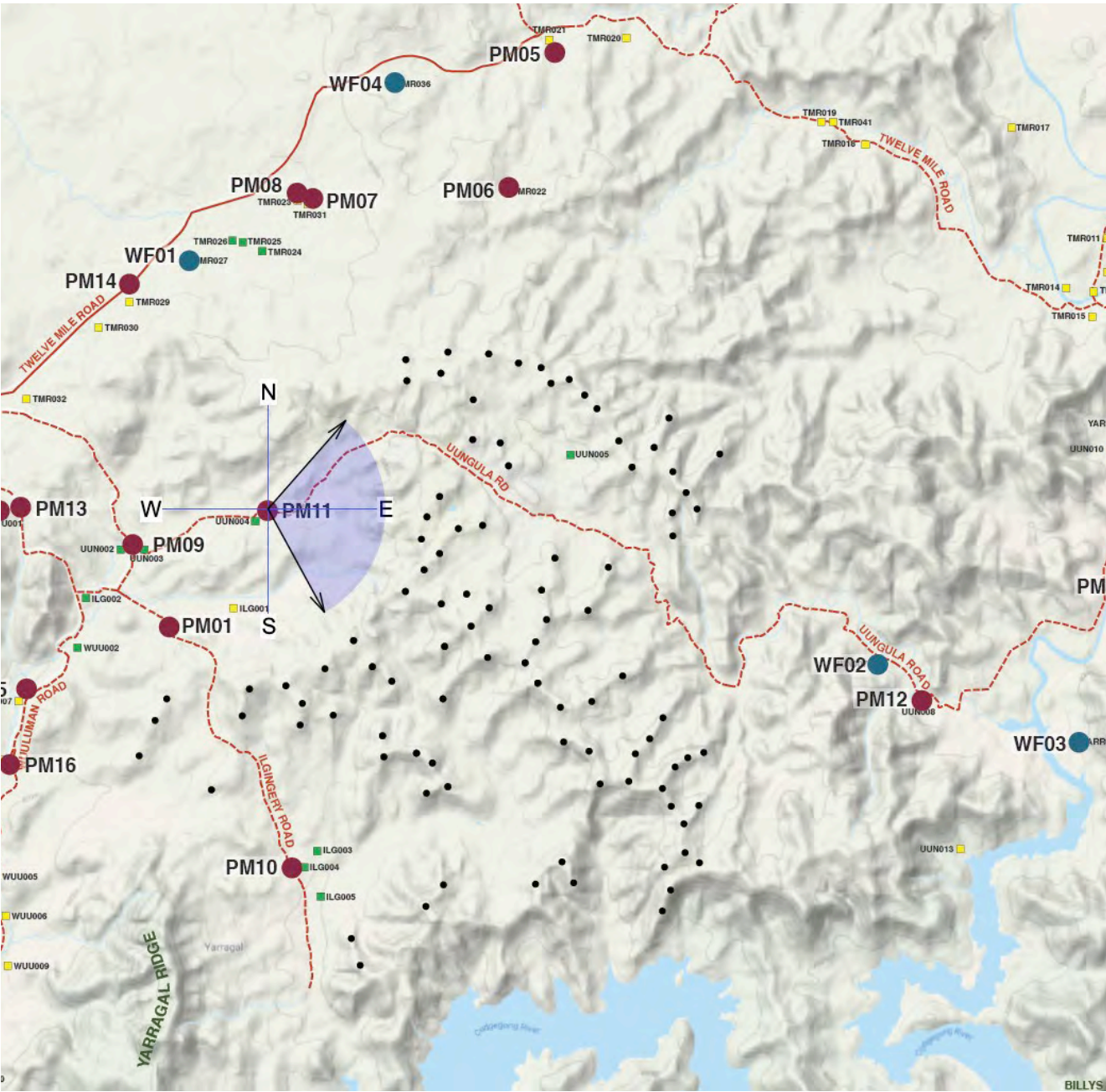
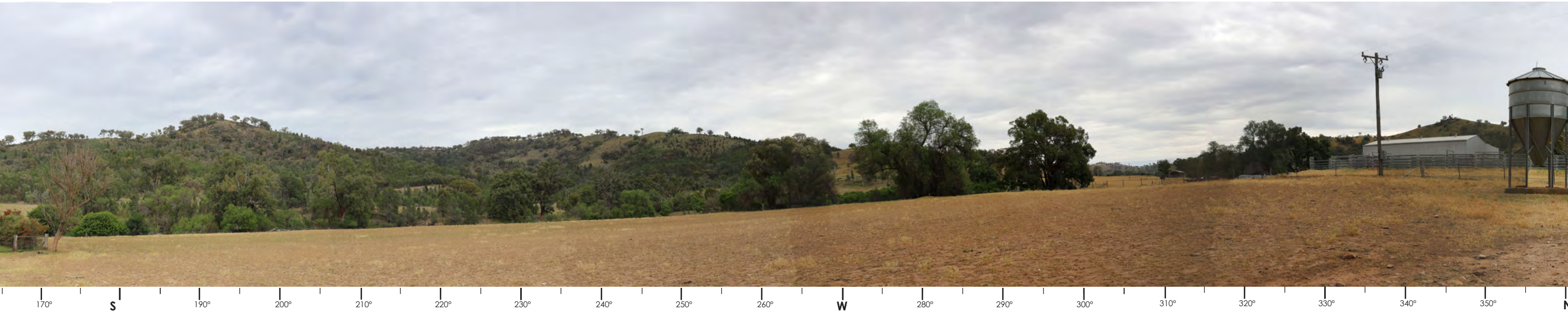


Figure D.11 Photomontage 11 Location and Viewing Direction

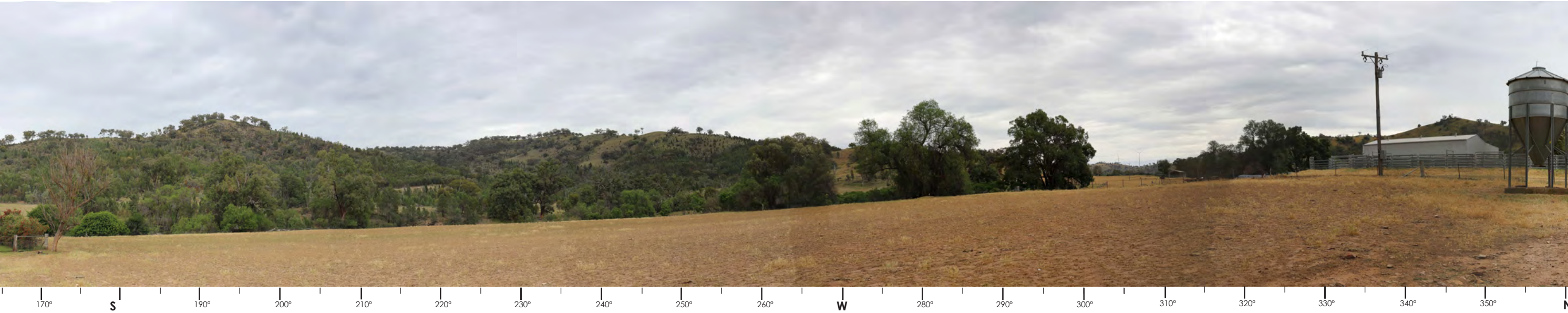
Summary of Photomontage 11
Refer to Viewpoint 34
Location:
Uungula Road
Coordinates:
149° 7'14.65"E 32°31'30.13"S
Distance to WTG:
Approx. 2.6km
Viewing Direction:
Generally East
Elevation:
500m
Representative Dwelling/s:
UUN004

Photomontage 12 Viewpoint 43

Existing view from VP43



Proposed view from VP43



Refer to Appendix E for Blue Sky Comparison

Photomontage 12 Location Map

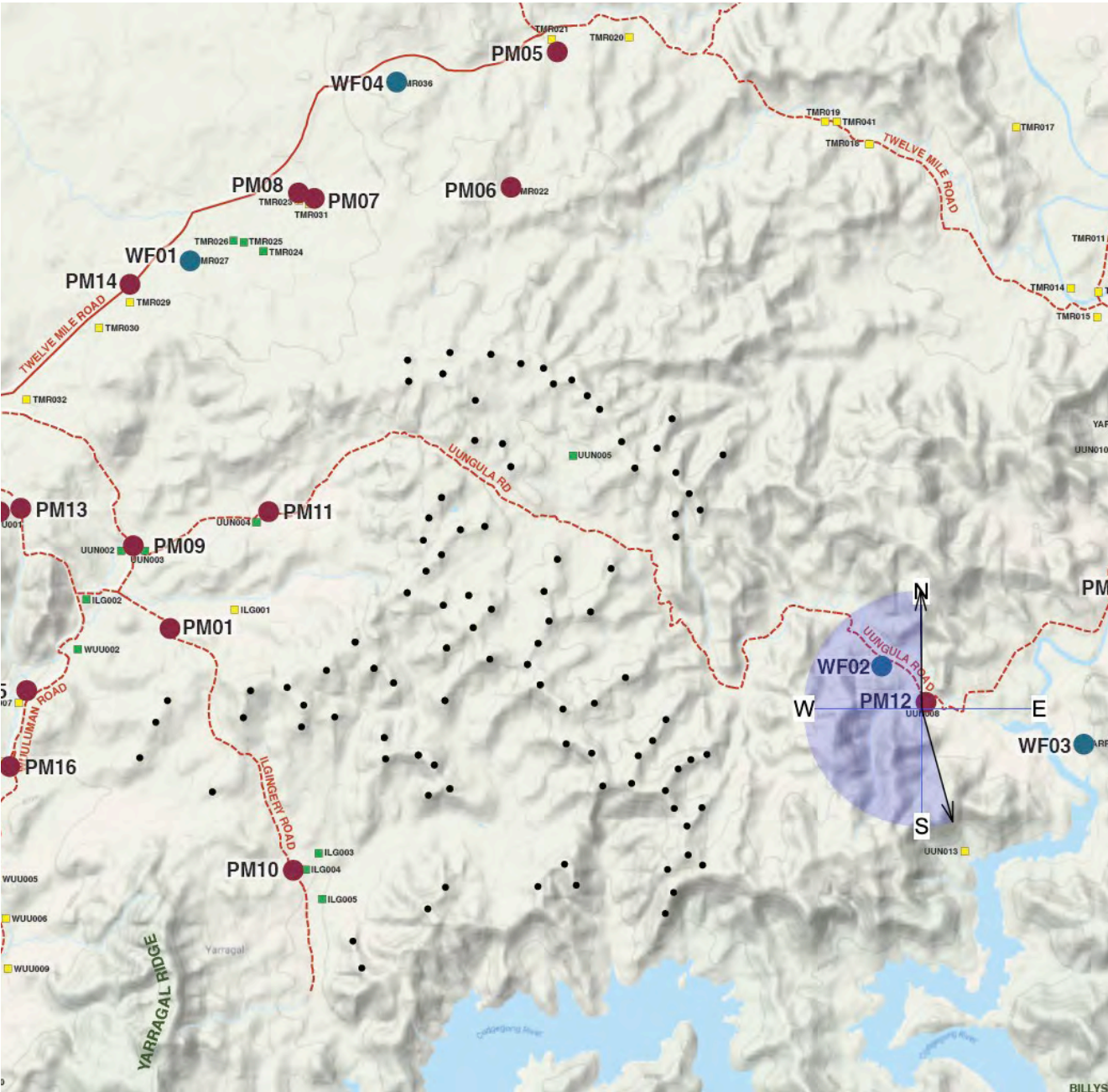
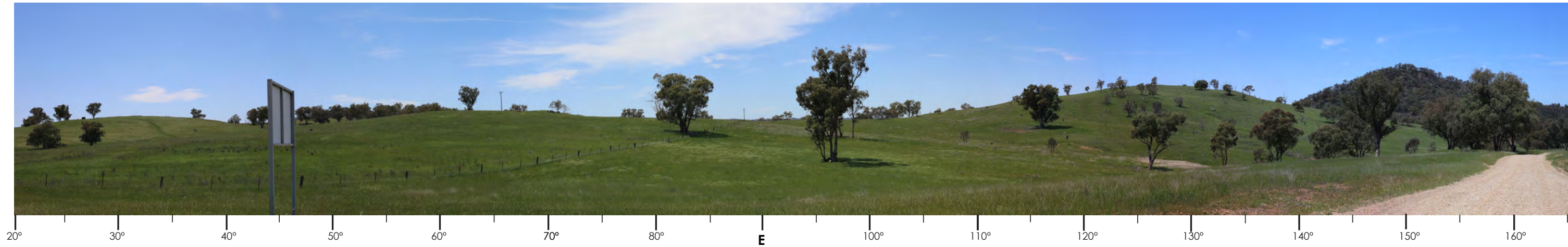


Figure D.12 Photomontage 12 Location and Viewing Direction

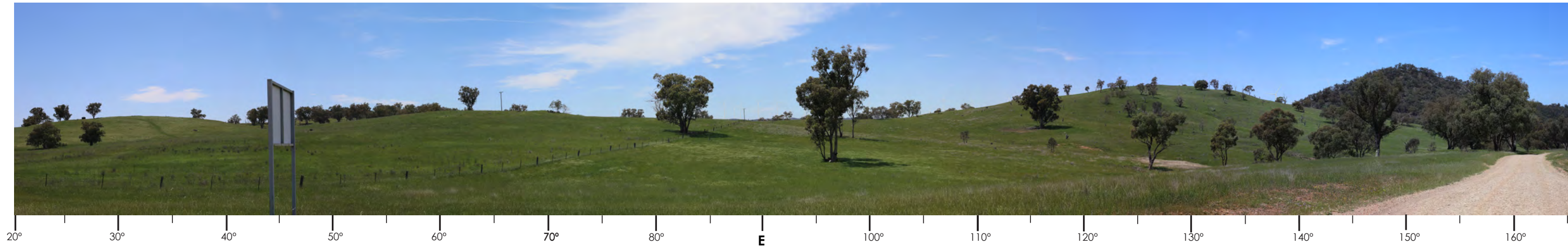
Summary of Photomontage 12
Refer to Viewpoint 43
Location:
Uungula Road
Coordinates:
149°14'20.66"E 32°33'10.34"S
Distance to WTG:
Approx. 2.5km
Viewing Direction:
Generally West
Elevation:
370m
Representative Dwelling/s:
UUN007, UUN008

Photomontage 13 Viewpoint 29

Existing view from VP29



Proposed view from VP29



Photomontage 13 Location Map

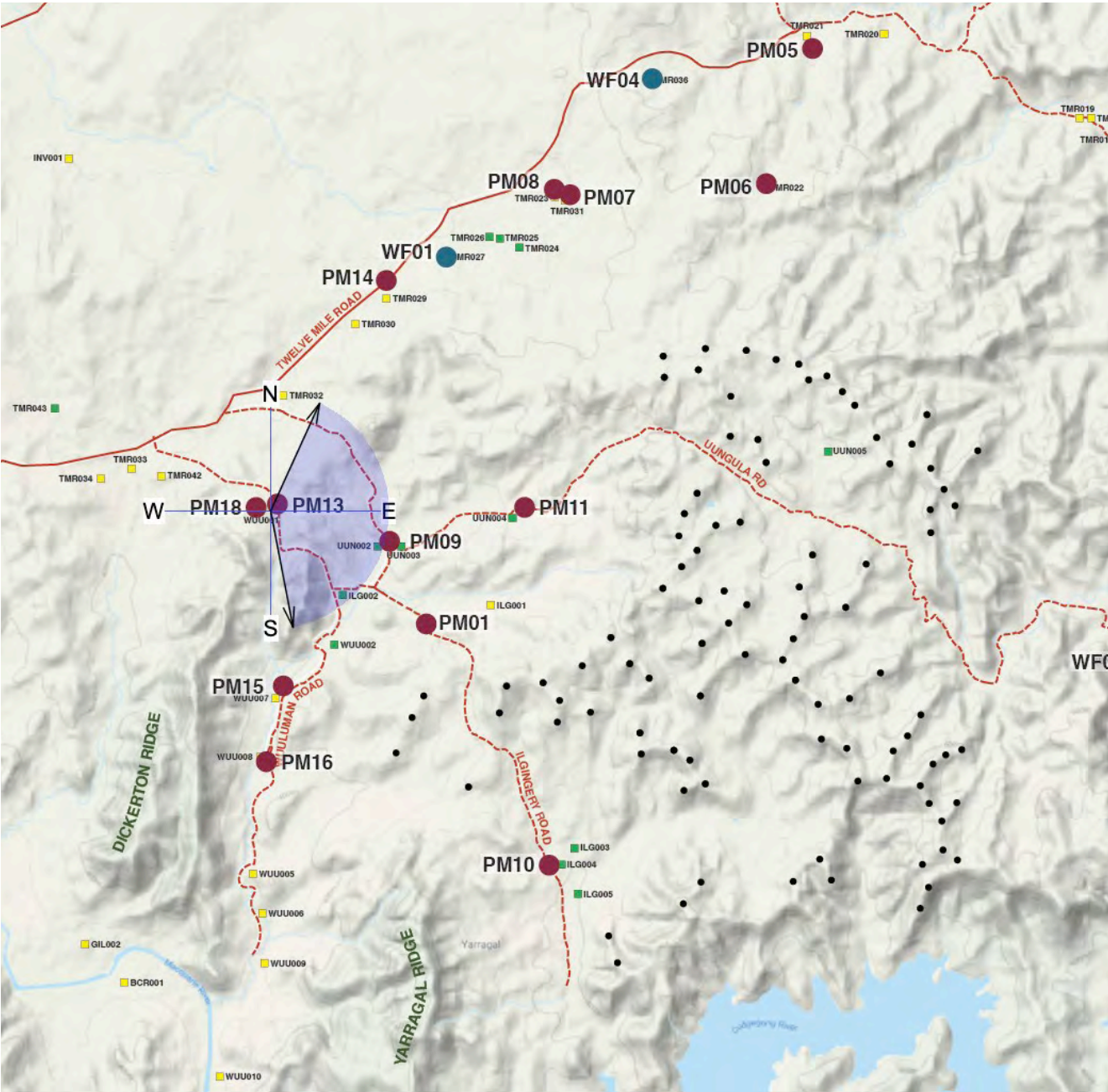
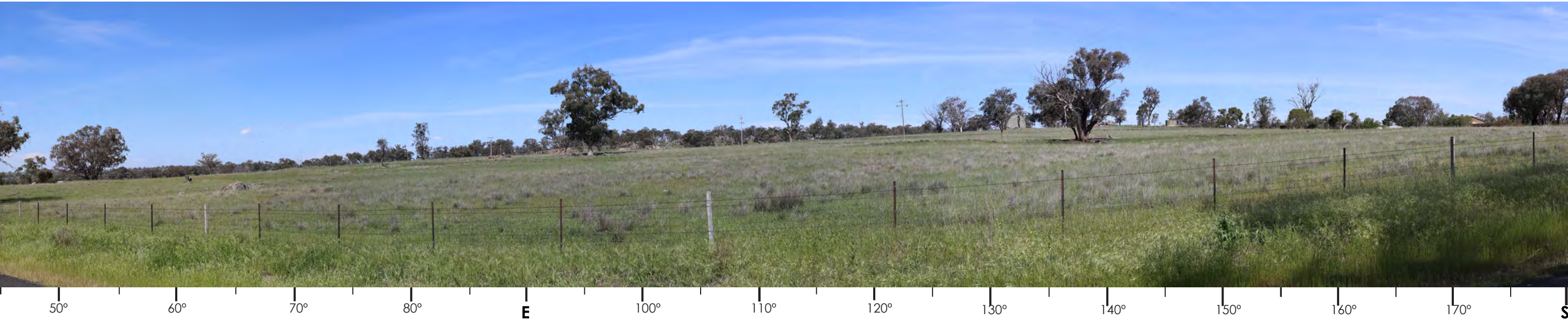


Figure D.13 Photomontage 13 Location and Viewing Direction

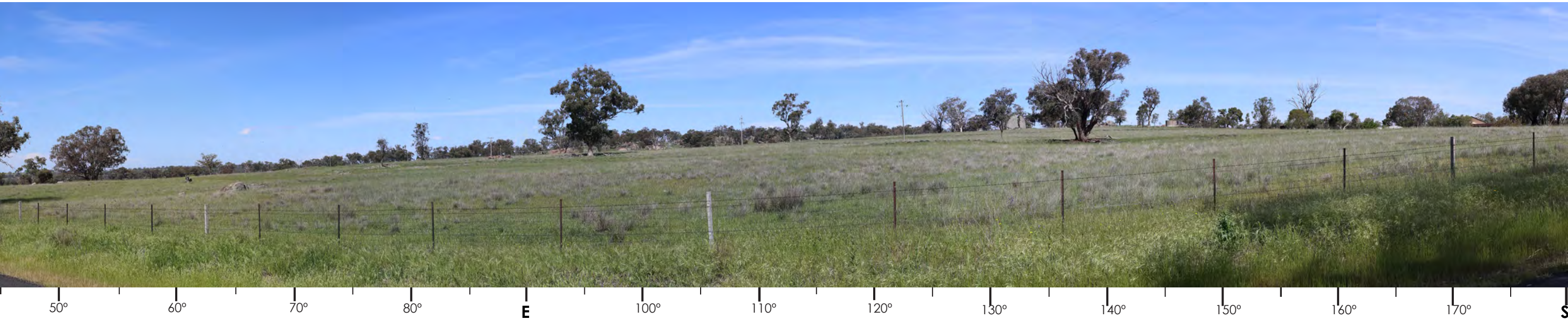
Summary of Photomontage 13
Refer to Viewpoint 29
Location:
Wuuluman Road
Coordinates:
149° 4'32.79"E 32°31'29.48"S
Distance to WTG:
Approx. 4.1km
Viewing Direction:
Generally East
Elevation:
500m
Representative Dwelling/s:
N/A

Photomontage 14 Viewpoint 06

Existing view from VP06



Proposed view from VP06



Photomontage 14 Location Map

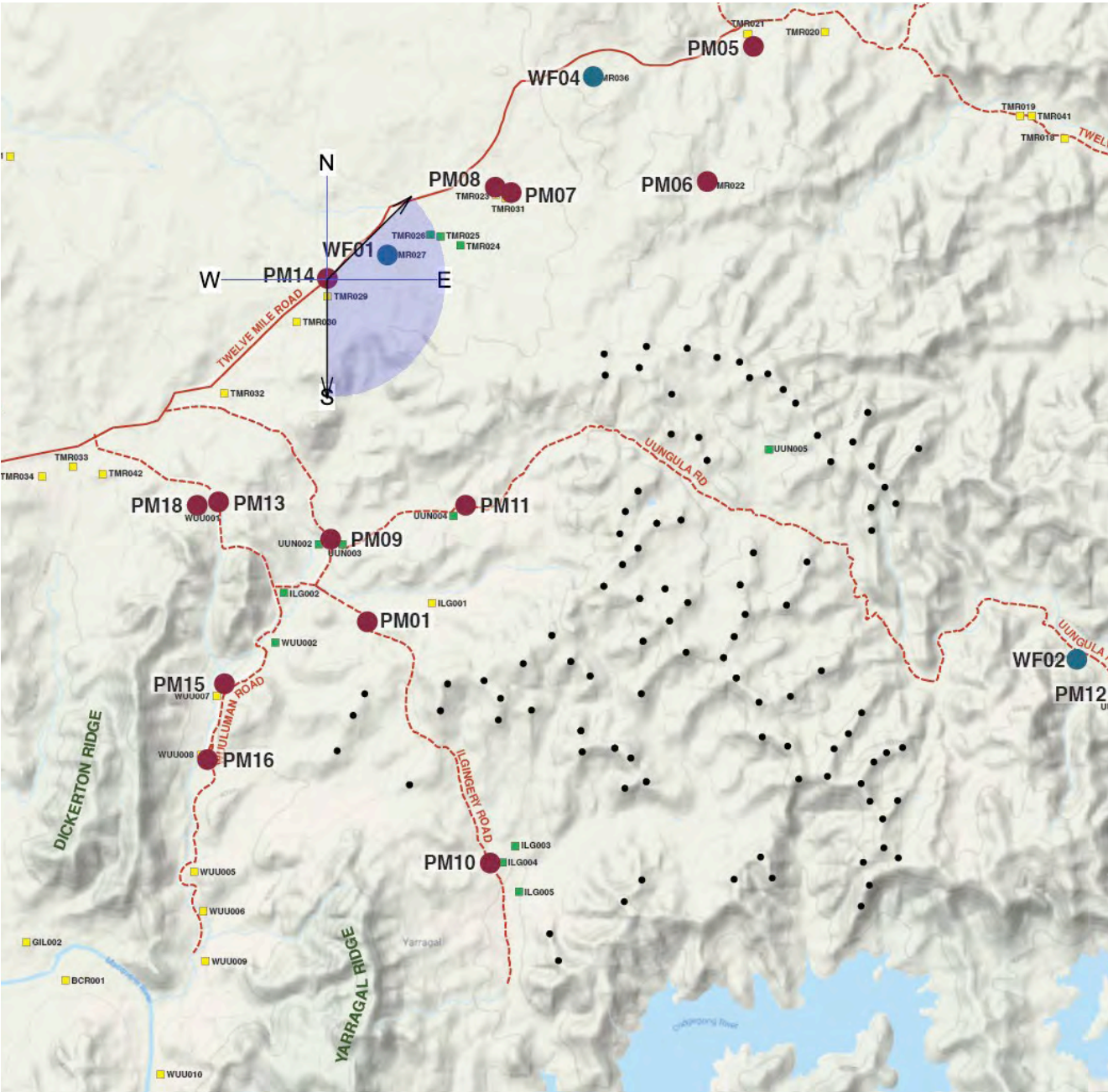
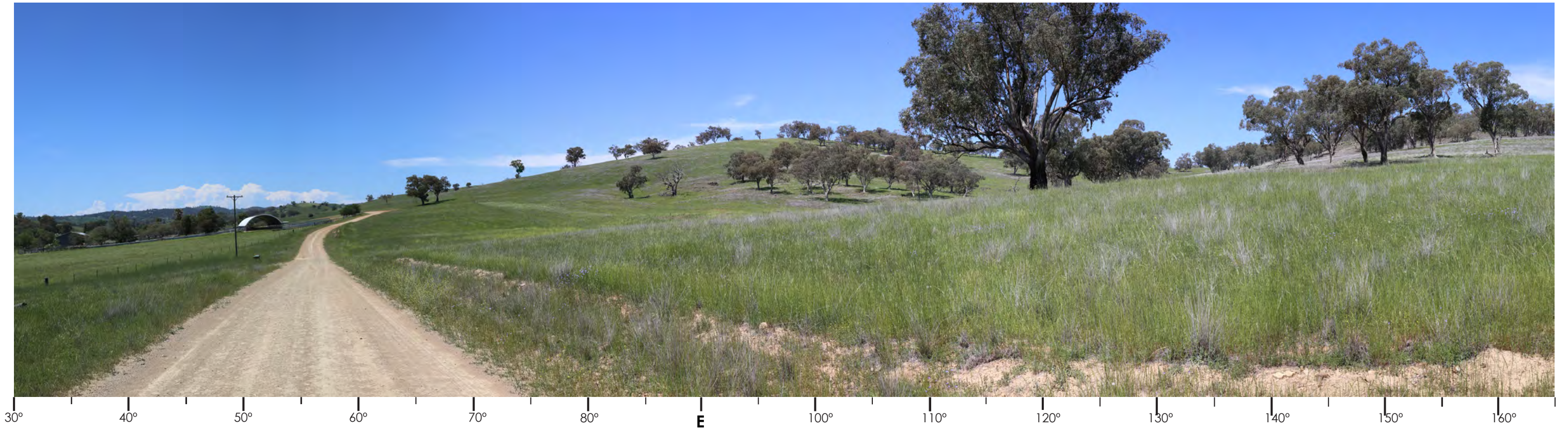


Figure D.14 Photomontage 14 Location and Viewing Direction

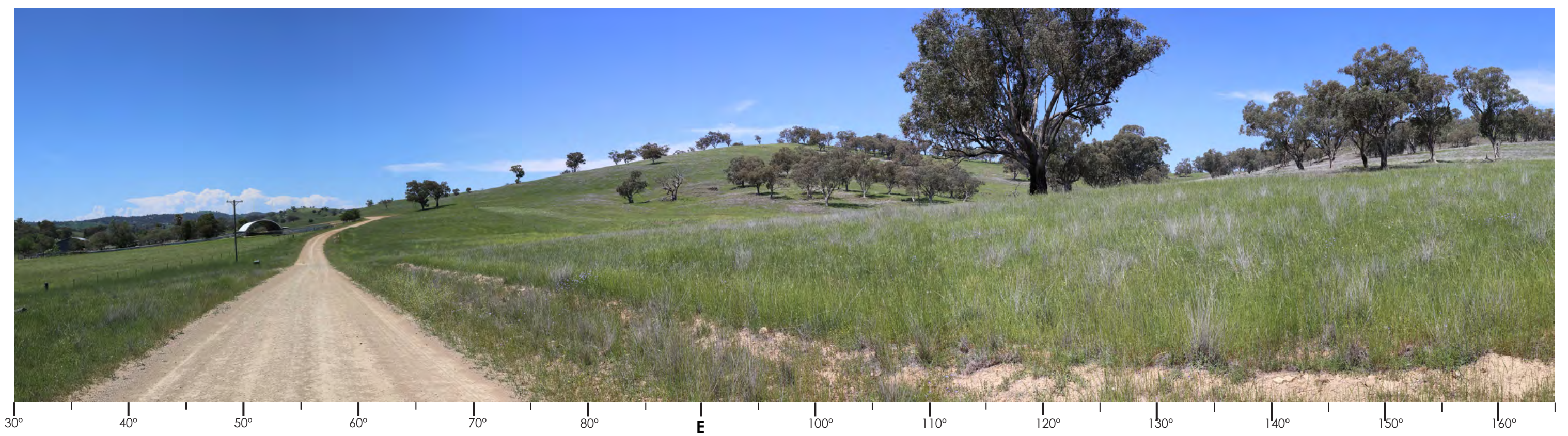
Summary of Photomontage 14
Refer to Viewpoint 06
Location:
Twelve Mile Road
Coordinates:
149° 5'41.80"E 32°29'27.99"S
Distance to WTG:
Approx. 4.8km
Viewing Direction:
Generally South East
Elevation:
530m
Representative Dwelling/s:
TMR029

Photomontage 15 Viewpoint 26

Existing view from VP26



Proposed view from VP26



Photomontage 15 Location Map

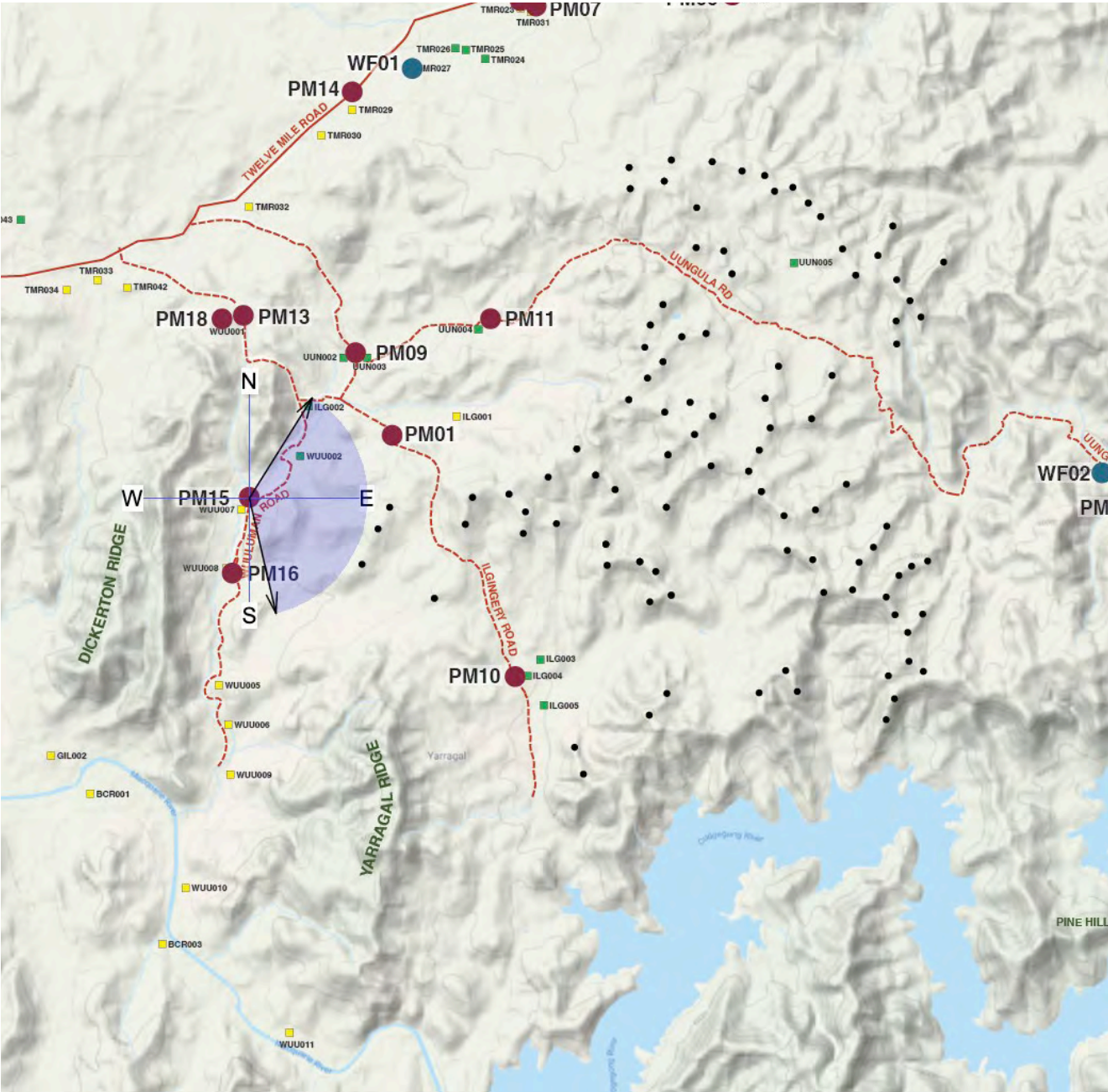
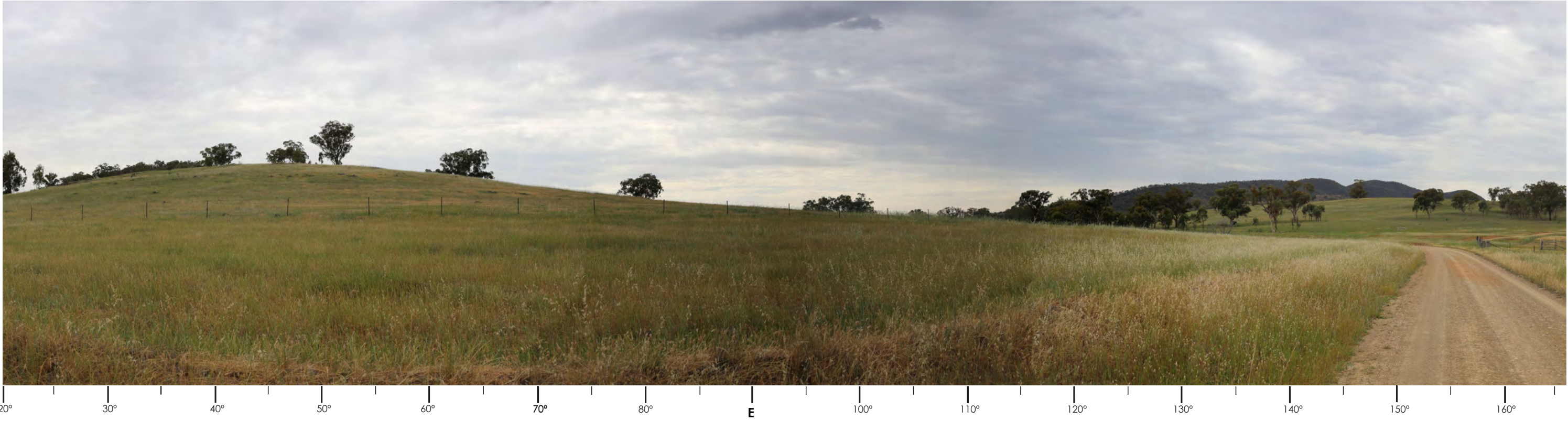


Figure D.15 Photomontage 15 Location and Viewing Direction

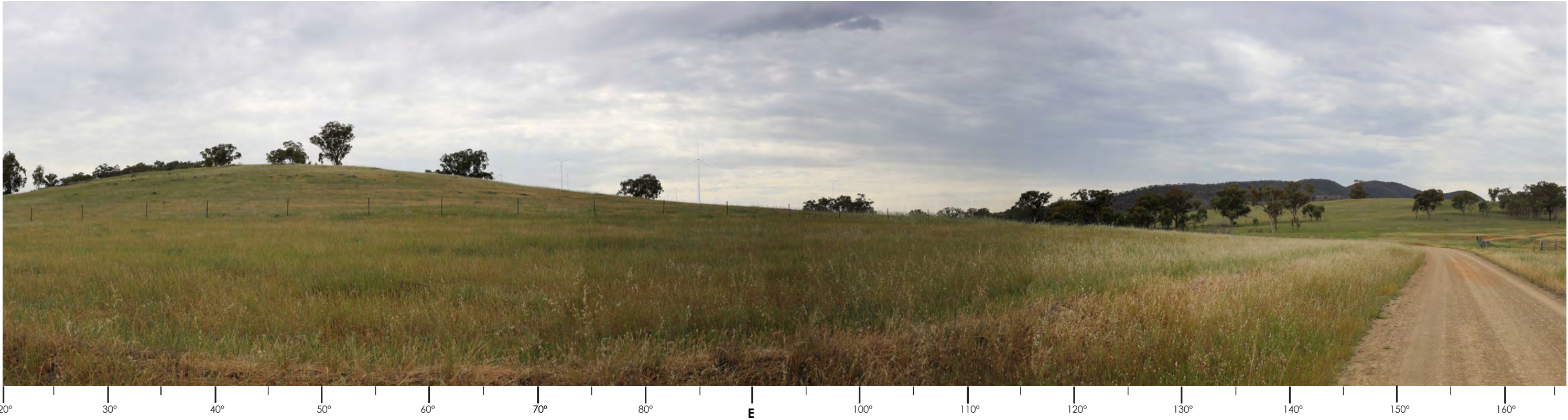
Summary of Photomontage 15
Refer to Viewpoint 26
Location:
Wuuluman Road
Coordinates:
149° 4'15.62"E 32°34'48.23"S
Distance to WTG:
Approx. 2km
Viewing Direction:
Generally North East
Elevation:
390m
Representative Dwelling/s:
WUU007, WUU008

Photomontage 16 Viewpoint 45

Existing view from VP45



Proposed view from VP45



Refer to Appendix E for Blue Sky Comparison

Photomontage 16 Location Map

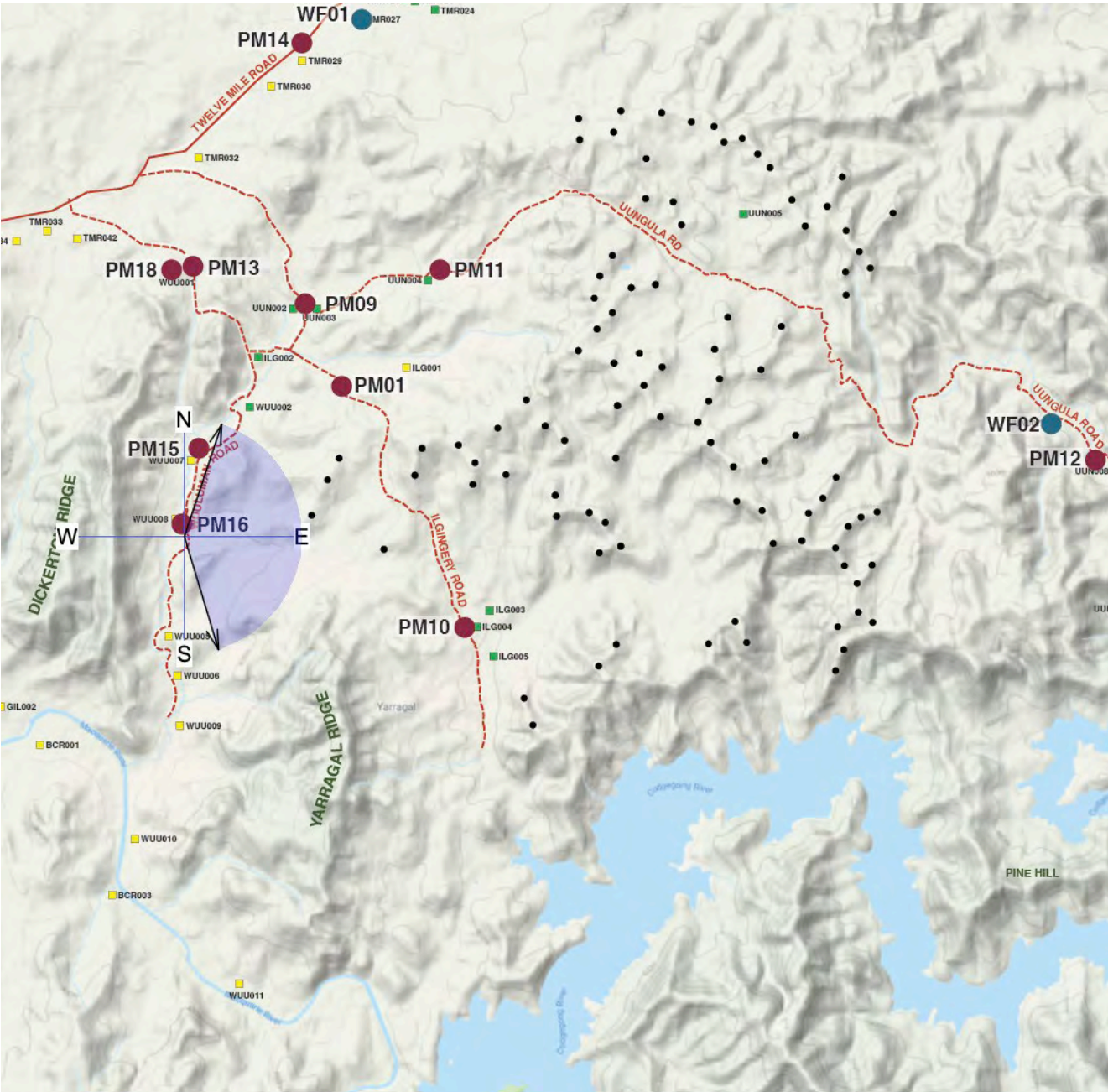
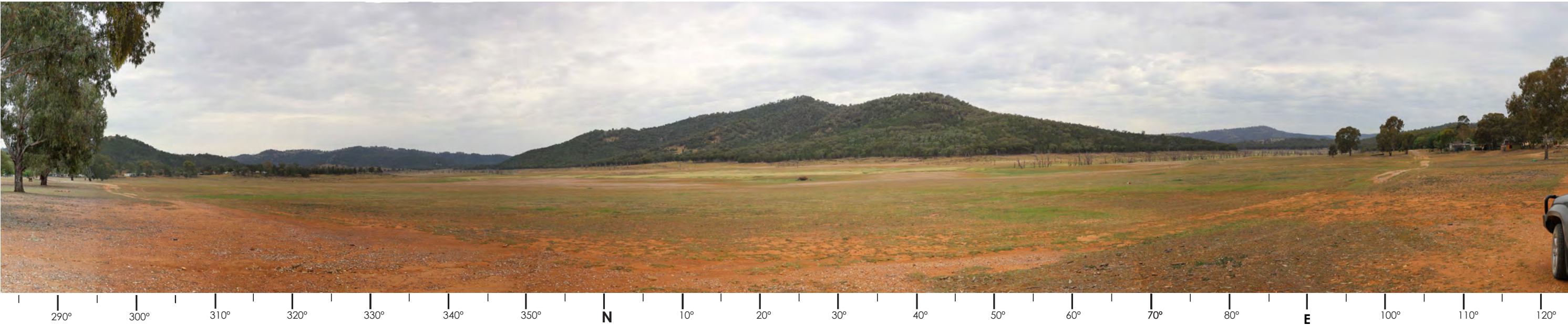


Figure D.16 Photomontage 16 Location and Viewing Direction

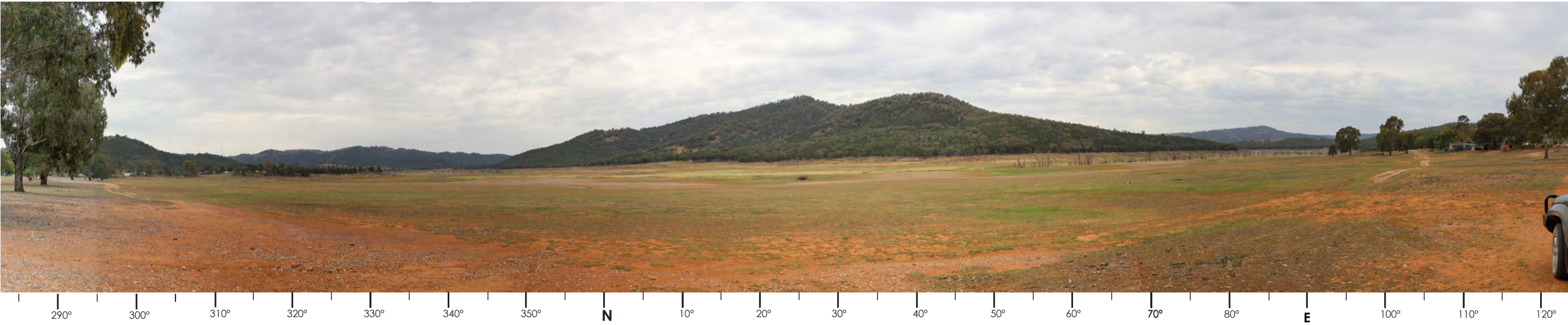
Summary of Photomontage 16
Refer to Viewpoint 45
Location:
Wuuluman Road
Coordinates:
149° 4'27.93"E 32°33'52.63"S
Distance to WTG:
Approx. 2.1km
Viewing Direction:
Generally East
Elevation:
370m
Representative Dwelling/s:
WUU008

Photomontage 17 Viewpoint 44

Existing view from VP44



Proposed view from VP44



Refer to Appendix E for Blue Sky Comparison

Photomontage 17 Location Map

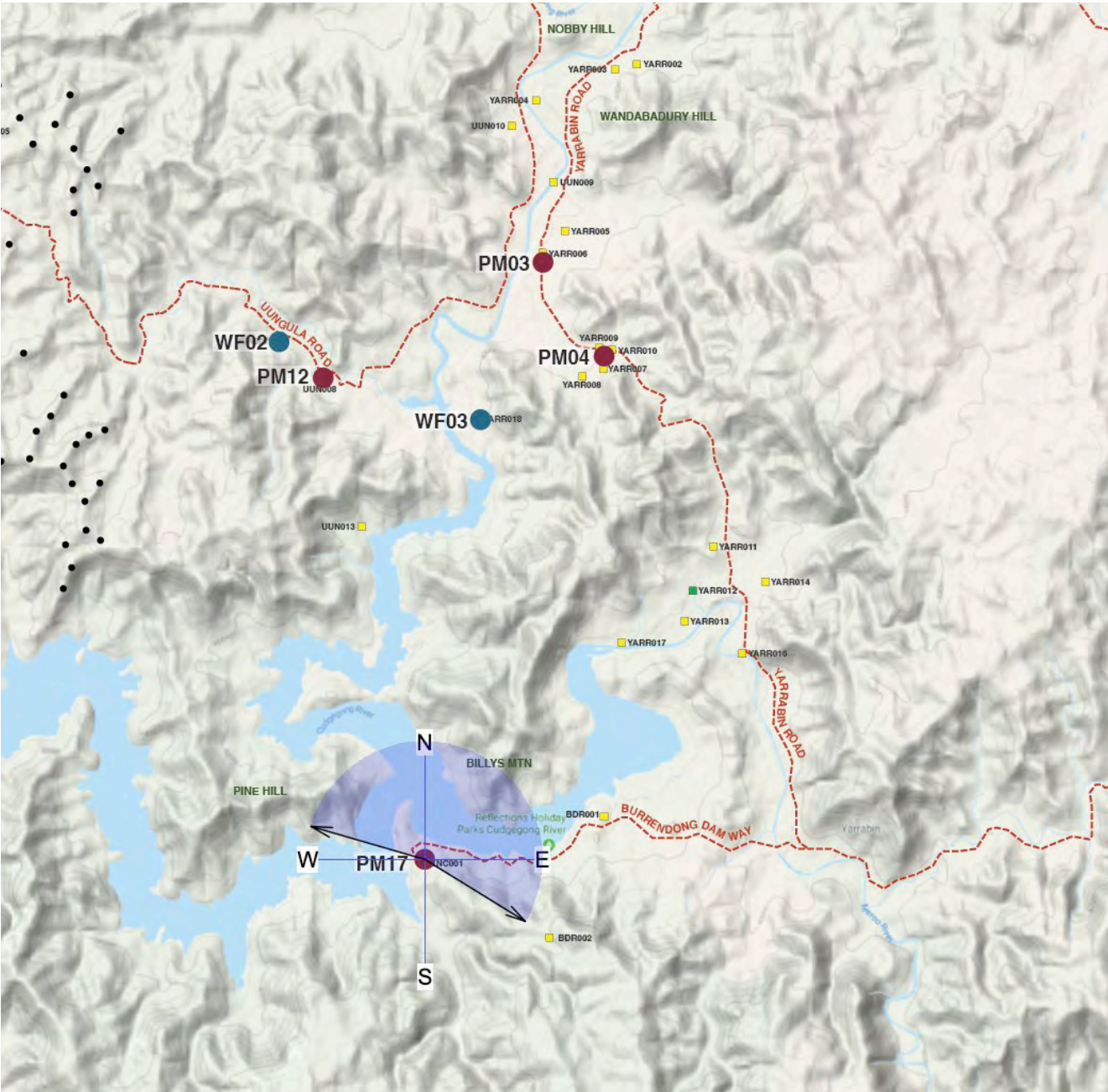
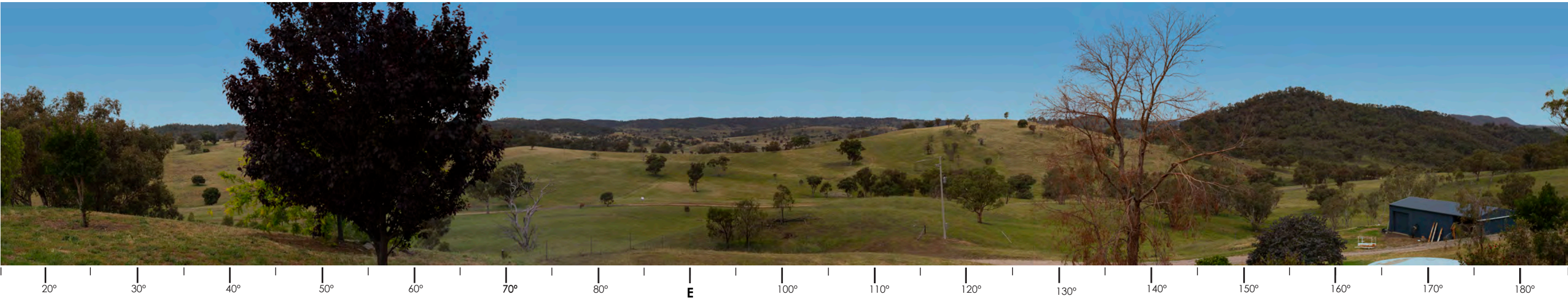


Figure D.17 Photomontage 17 Location and Viewing Direction

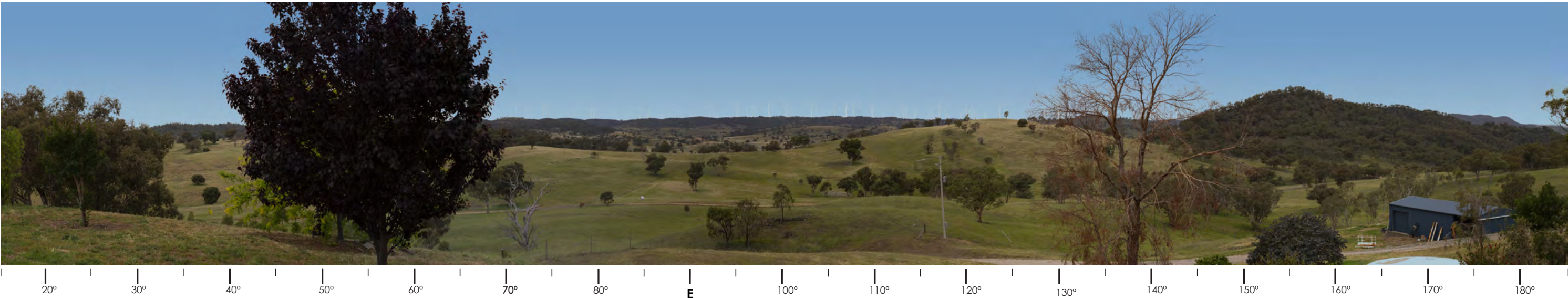
Summary of Photomontage 17
Refer to Viewpoint 44
Location:
Cudgong River Park
Coordinates:
149°15'37.03"E 32°37'28.62"S
Distance to WTG:
Approx. 5.6km
Viewing Direction:
Generally North
Elevation:
340m
Representative Dwelling/s:
ENC001

Photomontage 18 Viewpoint 46

Existing view from VP46



Proposed view from VP46



Photomontage 18 Location Map

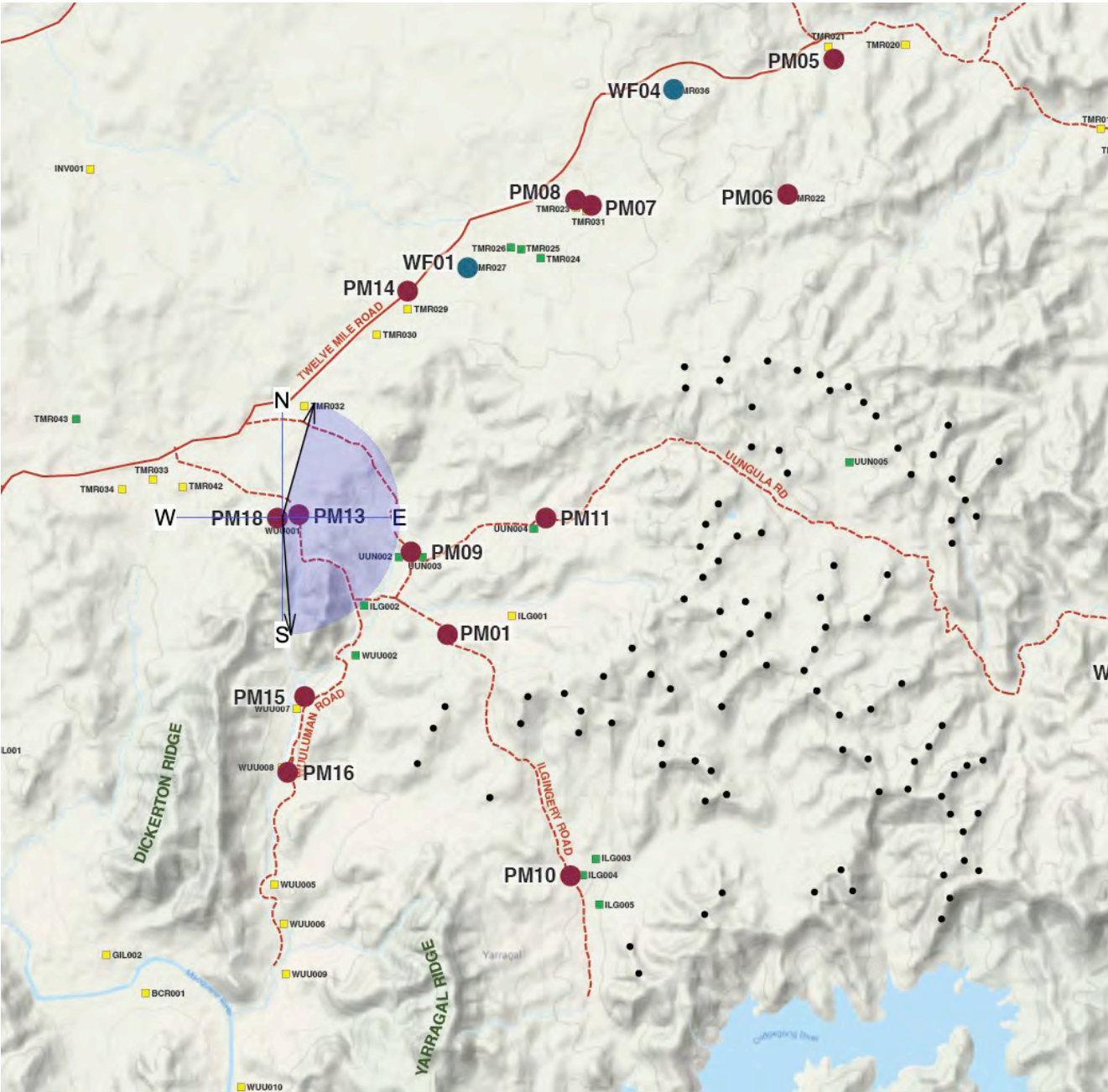


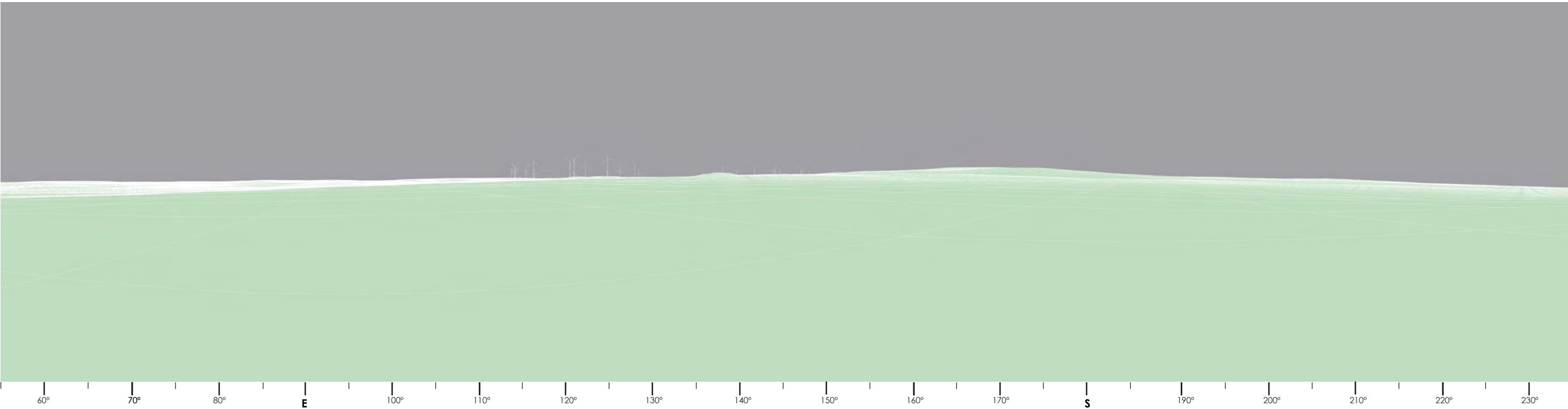
Figure D.18 Photomontage 18 Location and Viewing Direction

Summary of Photomontage 18
Refer to Viewpoint 46
Location:
Wuuluman Road
Coordinates:
149° 4'22.57"E 32°31'30.13"S
Distance to WTG:
Approx. 4.2km
Viewing Direction:
Generally East
Elevation:
520m
Representative Dwelling/s:
WUU001

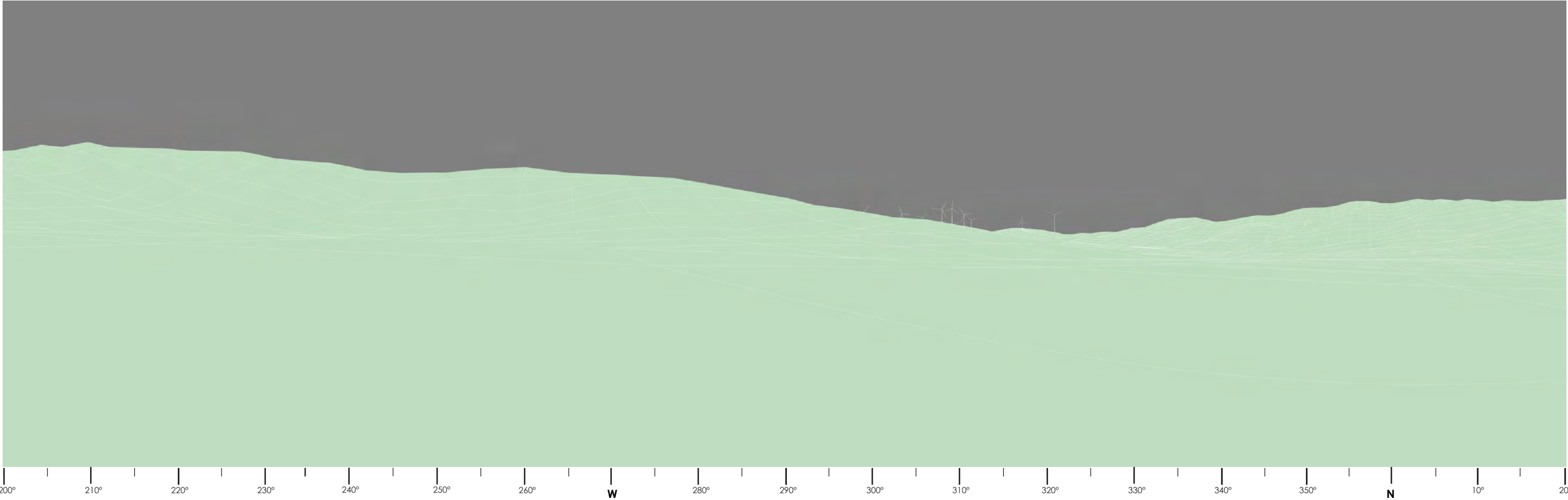
Existing view VP07



Wireframe VP07



Wire frame 02 Residence UUN007



Wire frame 03 Residence YARR018

