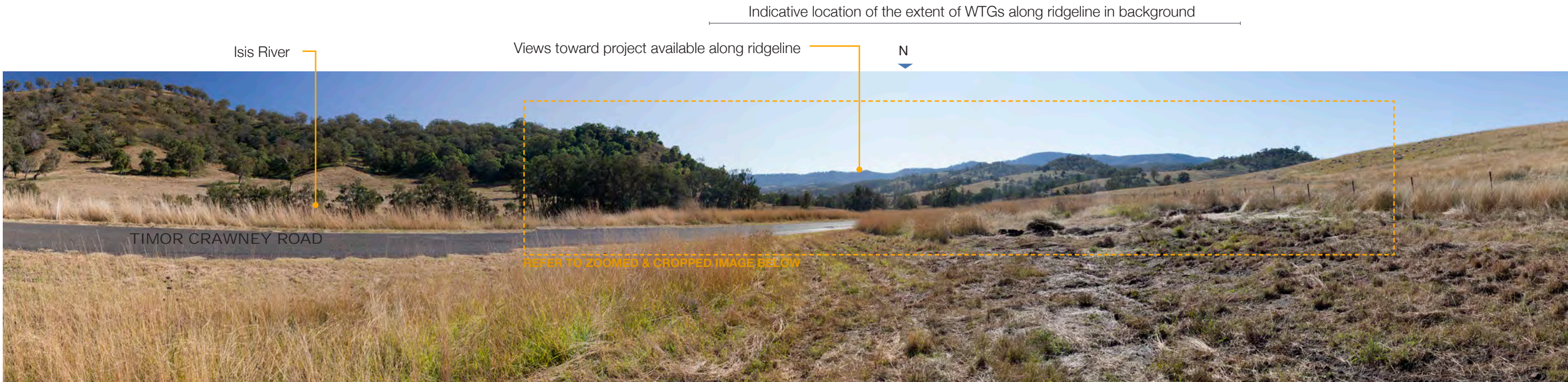




Appendix C

Viewpoint Analysis

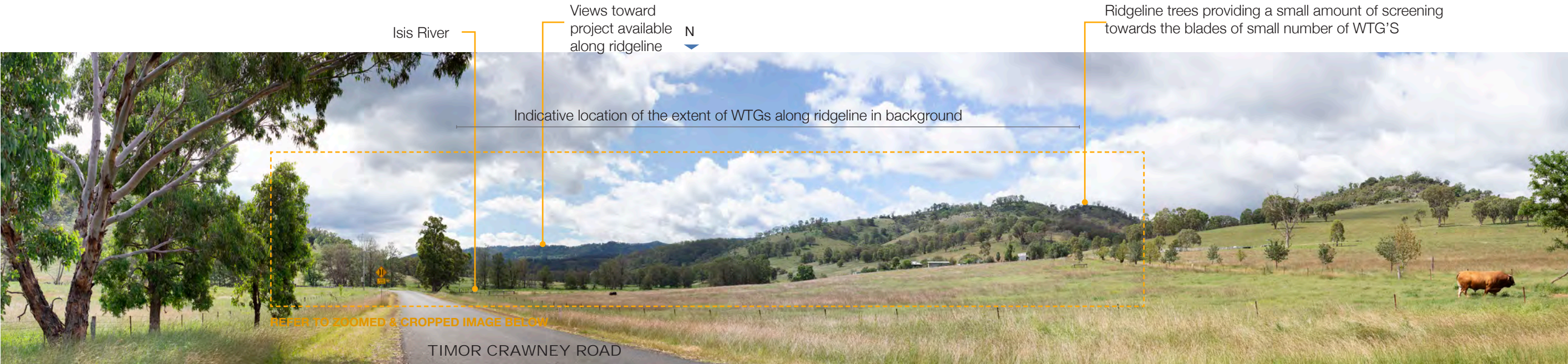


VIEWPOINT HOG01

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	<p>Viewpoint taken from Timor Crawney Road, 550m from the intersection of Sargeants Gap Rd. The land is characterised by undulating and mostly cleared land used for grazing in parts. The road is a low use road. Rocky outcrops and vegetation are present in gullies and on ridgelines in the middleground of the viewpoint. The view extends north towards the vegetated ridge associated with the project in the far middleground. Views from this location are largely contained to the east and west by the existing landforms and vegetation in the foreground.</p> <p>Potential Visual Impact</p> <p>A preliminary analysis based on topography alone suggests that 35 WTG's may be visible from this location on the vegetated ridge in the far middleground.</p>	<p>There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).</p> <p>Refer Photomontage 10</p>
Timor Crawney Road	488m		
Coordinates:	Viewing Direction:		
151° 5'57.62"E 31°42'6.37"S	Generally North		
Distance to WTG:	Visibility Distance Zone:		
Approx. 7.2km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Crawney	Moderate	-	
Visual Influence Zone VIZ3			



HOG01 Location



VIEWPOINT HOG02

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	Viewpoint taken from along Timor Crawney Rd. Land in the area is undulating and mostly cleared. The road is a low use road and the surrounding land is used mainly for grazing. There are remnant stands of vegetation generally contained to gullies, creek lines, ridgelines, fence lines and surrounding rocky outcrops in the middleground. The views from this location extend towards the ridge associated with the project site with the landform containing the view to the north east. The ridge associated with the project site can be seen in the far middleground to the north. Potential Visual Impact From this location 27 WTG's may be visible to the north along the ridgeline. The existing vegetation in the middleground may fragment views to a small number of WTG's. The landform and associated vegetation in the north east fragments views toward approximately 7 WTG blades, slightly reducing the number of WTG's visible from this location.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).
Timor Crawney Road	496m		
Coordinates:	Viewing Direction:		
31°41'23.79"S 151°5'52.29"E	Generally North		
Distance to WTG:	Visibility Distance Zone:		
Approx. 6.2km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Crawney	Moderate	-	
Visual Influence Zone VIZ3			



HOG02 Location

Wombramurra Creek

Indicative location of the extent of WTGs behind dense vegetation

S



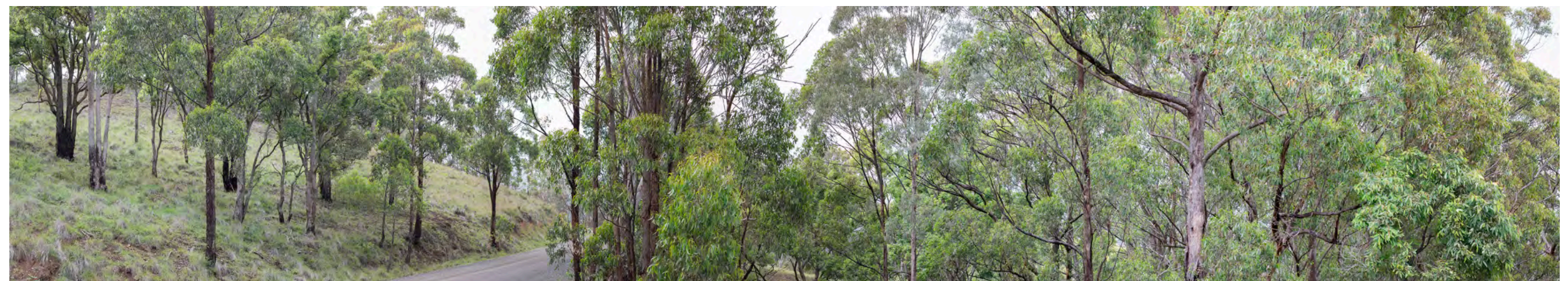
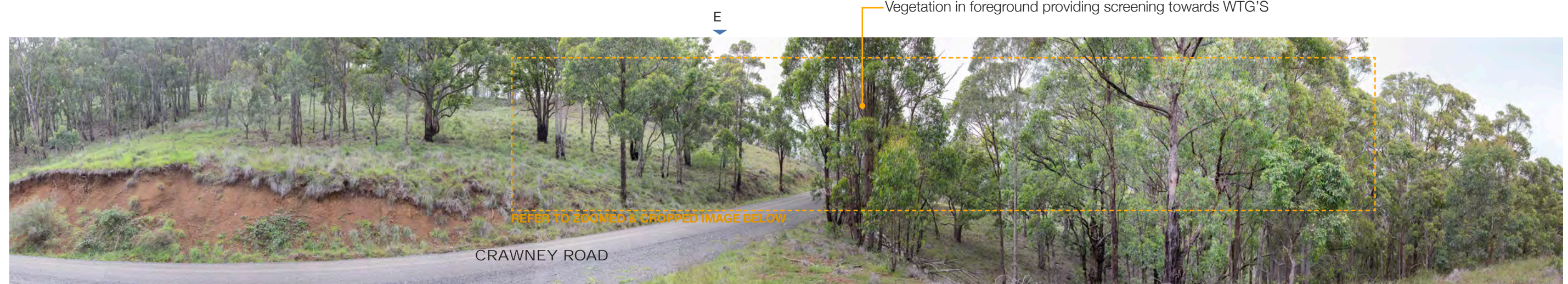
VIEWPOINT HOG03

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	<p>This viewpoint is taken from 'Teamsters Rest': a public camp ground near Crawney Pass National Park. It is located approximately 350m from NAD22 and 400m from NAD74. The land use is recreational and is accessed by a low use road. The views are contained by dense native vegetation in the foreground. A small creek can be seen to the NW of the view. The land in the middleground is slightly undulating with scattered vegetation.</p> <p>Potential Visual Impact</p> <p>An assessment based on topograhy alone indicates that 6 WTG's would be visible however, due to the dense vegetation in the foreground it is unlikely that any WTG's will be visible from this viewpoint location.</p> <p>Nearby Residences:</p> <p>AD74 & NAD22</p>	<p>Visual Magnitude:</p> <p>Screening is unlikely to be necessary due to the existing vegetation.</p> <p>Landscape Scenic Integrity:</p> <p>The vegetation in the foreground is likely to contain views toward the wind turbines therefore it is unlikely the WTG's will alter the existing visual landscape from this location.</p> <p>Key Feature Disruption:</p> <p>The forested edges to the viewpoint provide a visual backdrop to the north and east of this viewpoint. The hill in the foreground will remain the most visually prominent feature from this location.</p>
'Teamsters Rest' off Crawney Road	715m		
Coordinates:	Viewing Direction:		
31°33'23.58"S 151°5'23.53"E	Generally North East		
Distance to WTG:	Visibility Distance Zone:		
4.1km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Recreation	Level 2: Moderate		
LCU:	Scenic Quality Rating:		
Nundle Rolling Foothills	Moderate		
Visual Influence Zone VIZ2			



HOG03 Location

Indicative location of the extent of WTGs along ridgeline behind the vegetation in the foreground



VIEWPOINT HOG04			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is taken from Crawney Rd just outside of the Crawney Pass National Park. The road is a low use road. There is scattered native vegetation in the foreground of the view. A steep vegetated gully can be seen in the foreground. Land in this area is steep to the east, falling away to the west. The existing vegetation in the foreground and steep topography contain the views toward the project area. Potential Visual Impact A preliminary assessment based on topography alone suggest that approximately 3 WTG's that may be visible from this location. However, any views to the turbines would be fragmented and fleeting.	Visual Magnitude: Viewpoint is located within the 'black line' (3100m). Mitigation methods are unlikely to be required. Landscape Scenic Integrity: The wind turbines will be difficult to discern through vegetation in the foreground and therefore are unlikely to alter the existing visual landscape from this location. Key Feature Disruption: The vegetated sloping topography in the foreground will remain the key feature from this location.
Crawney Road	900m		
Coordinates:	Viewing Direction:		
31°35'11.54"S 151°2'59.77"E	Generally East		
Distance to WTG:	Visibility Distance Zone:		
1.7km	Far Foreground (FF)	Nearby Residences:	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Nundle Rolling Foothills	Moderate	-	
Visual Influence Zone VIZ2			



HOG04 Location

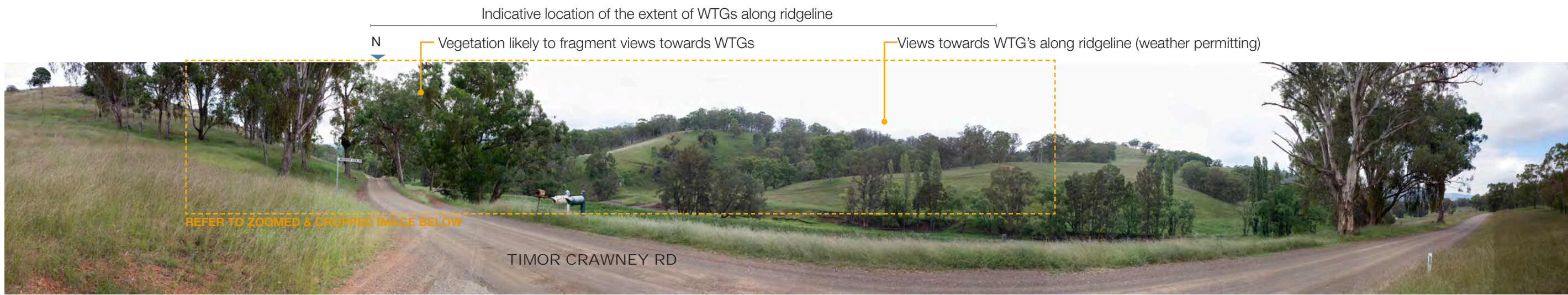


VIEWPOINT HOG05

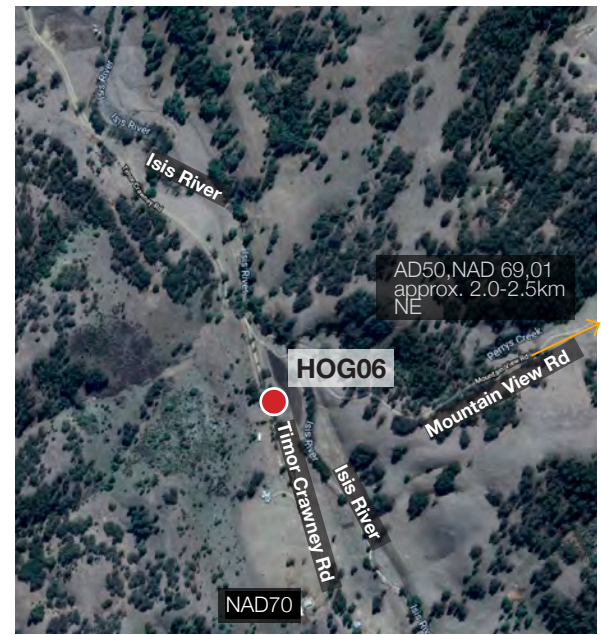
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is taken from an elevated position at the intersection of Pages Creek Rd and Sargeants Gap Rd, approximately 20m from the entry to 'Norley'. The land is undulating, mostly cleared rural residential and agricultural land mainly used for grazing. The property and associated structures are visible in the background to the NE of the view. There is remnant native vegetation in the middleground at the entry to the property and stands of scattered vegetation in the distance associated with the gullies and ridgelines of the undulating landform. The view is expansive and extends toward the densely vegetated ridge in the distance.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).
Sargeants Gap Road	750m		
Coordinates:	Viewing Direction:		
151°12'22.22"E 31°41'51.84"S	Generally North		
Distance to WTG:	Visibility Distance Zone:		
Approx. 8.0km	Near Background (NB)	Potential Visual Impact A preliminary assessment based on topography along suggest that views of approximately 3 WTG's to the north may be visible from this location. The vegetation in the middleground is likely to screen these views and when combined with the distance from the Site they will be difficult to discern.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Crawney	Moderate	'Norley' is in excess of 8km from Turbines.	
Visual Influence Zone VIZ3			



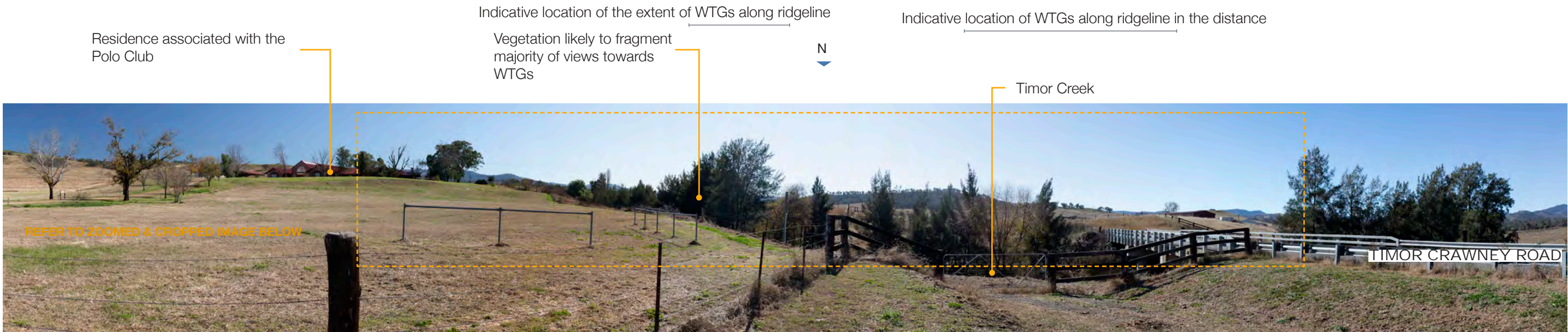
HOG05 Location



VIEWPOINT HOG06			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	<p>This viewpoint is taken from the corner of Timor Crawney Rd and Mountain View Road, at the entry to residences NAD50,69 & 1 and approximately 600m from residence NAD70. The road is a low use road. The land is characterised by undulating partially cleared rural residential and agricultural land. There are stands of dense vegetation that follow the undulating landform and Isis River which runs generally in a N/S direction, parallel to the road. The view is partially contained by the foreground vegetation. On a clear day, the ridge can be seen in the distance to the east of the view.</p> <p>Potential Visual Impact</p> <p>From this location approximately 30 WTG's may be visible along the ridgeline in a north east direction. It is likely that existing foreground vegetation will fragment this view, reducing the number of visible WTG's in a northerly direction.</p>	<p>There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).</p> <p>Detailed assessment of dwellings associated with Mountain View Road is included in <i>Appendix E. See PM22.</i></p>
Corner Timor Crawney Rd and Mountain View Road	536m		
Coordinates:	Viewing Direction:		
151°5'5.58"E 31°39'53.23"S	Generally North East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 4.8km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Crawney	Moderate	Nearby Residences:	
		AD50, NAD69, NAD01, NAD70	
Visual Influence Zone VIZ3			

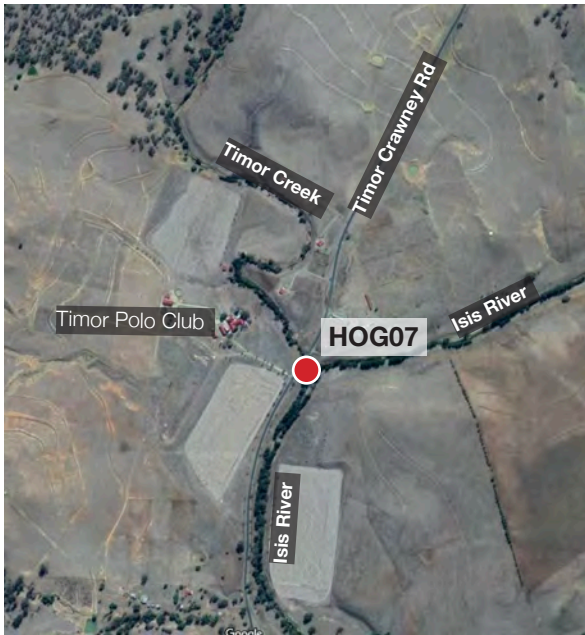


HOG06 Location



VIEWPOINT HOG07

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	<p>View taken from Timor Crawney Road, at the driveway of the Timor Polo Club. The land is cleared and maintained turf field, used to host Polo matches. Timor Creek is visible in the foreground and the scattered vegetation associated with the creek fragmenting views toward the north. The ridgeline associated with the Project is visible in the far distance.</p> <p>Potential Visual Impact</p> <p>From this location approximately 27 WTG's may be visible to the of this viewpoint. However, a combination of vegetation in the foreground and distance to the Turbines are likely to fragment views to toward the majority of the WTG's from this location.</p>	<p>There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).</p>
Timor Crawney Road	420m		
Coordinates:	Viewing Direction:		
151° 4'44.21"E 31°45'21.73"S	Generally North		
Distance to WTG:	Visibility Distance Zone:		
13.5km	Mid Background		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low	<p>Nearby Residences:</p> <p>Timor Polo Club located in excess of 13.5km from Turbines.</p>	
LCU:	Scenic Quality Rating:		
Crawney	Moderate		
Visual Influence Zone VIZ3			



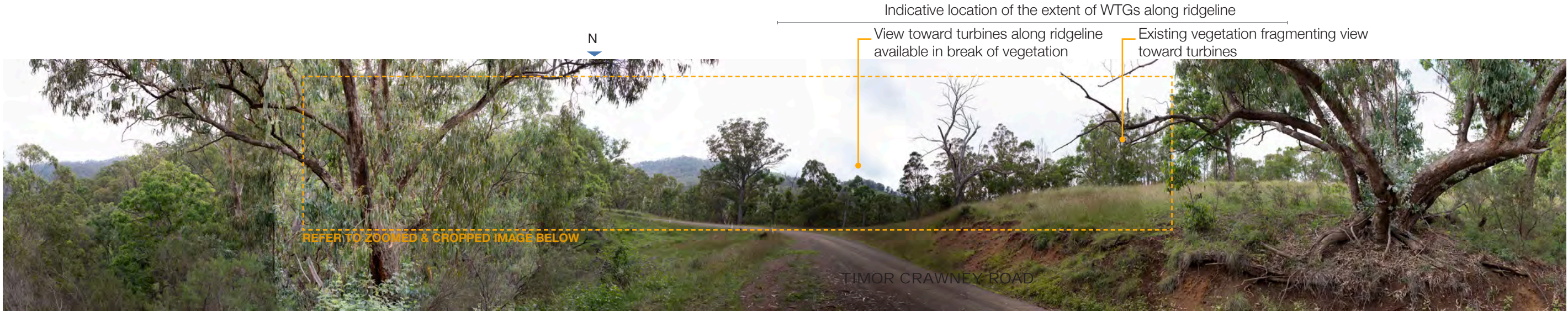
HOG07 Location



VIEWPOINT HOG08			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	<p>View taken from Timor Crawney Rd near to the entry to residence NAD41, approx. 800m to the residence. The land is characterised by the partially cleared agricultural land and dense vegetation that runs along the Isis River. It is undulating with rocky outcrops and scattered vegetation in the middleground.</p> <p>Potential Visual Impact</p> <p>There are approximately 9 WTG's that may be visible from this location. However, the existing vegetation typical of this area is likely to fragment views toward the project area, reducing the number of WTG's visible from this location.</p> <p>Nearby Residences:</p> <p>NAD41</p>	<p>Visual Magnitude:</p> <p>There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).</p>
Timor Crawney Road	563m		
Coordinates:	Viewing Direction:		
151°4'6.34"E 31°38'48.98"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 4.3km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Crawney	Moderate		
Visual Influence Zone VIZ3			



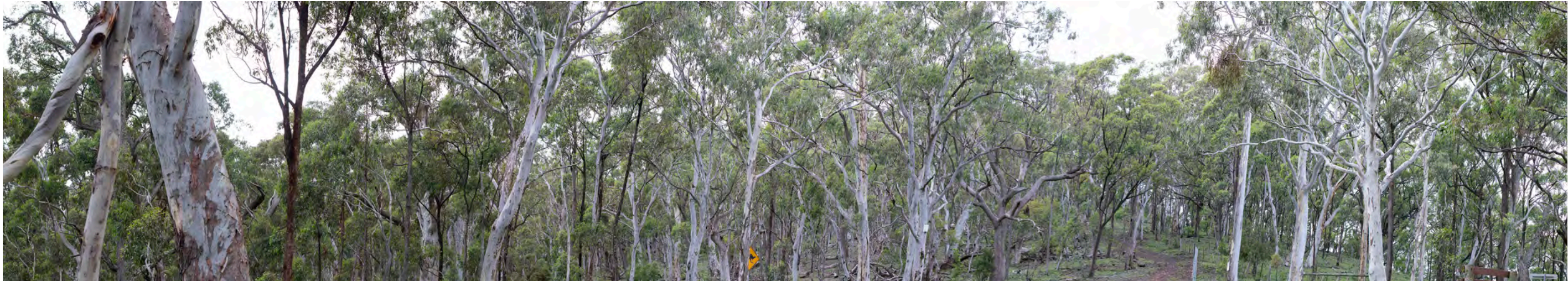
HOG08 Location



VIEWPOINT HOG09			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	View from Timor Crawney Road, just south of the Crawney Pass National Park. Land in the immediate area is undulating and falls to the west. Land has been cleared to make way for the roadway. Native vegetation has been retained along the roadside edges and is visible in the foreground and middleground and contains views to the north and east. The view extends north east toward the ridge associated with the project in the background.	Visual Magnitude: There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).
Timor Crawney Road	747m		
Coordinates:	Viewing Direction:		
151°2'40.05"E 31°36'51.20"S	Generally North East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 2.5km	Near Middleground (NM)	Potential Visual Impact From this location approximately 27 WTG's may be visible. However, the vegetation in the middleground is likely to partially fragment views to the east of the project area, reducing the amount of WTG's visible from this location. Due to the windy nature of the road and the heavily wooded sections of the roadside vegetation, views toward the turbines would be fleeting and would extend for around 200m when travelling in a northerly direction along the road.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Crawney	Moderate	-	
Visual Influence Zone VIZ3			



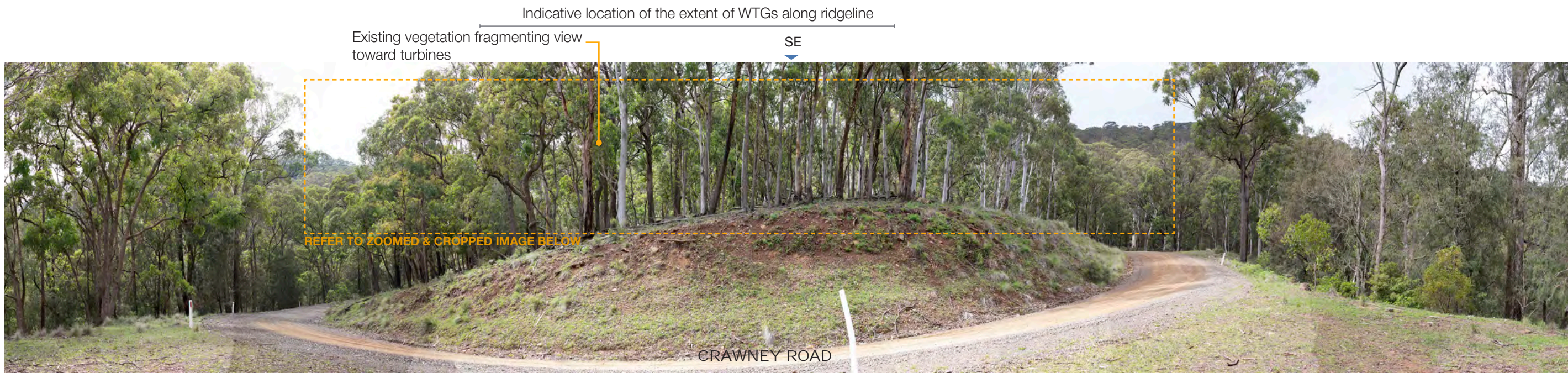
HOG09 Location



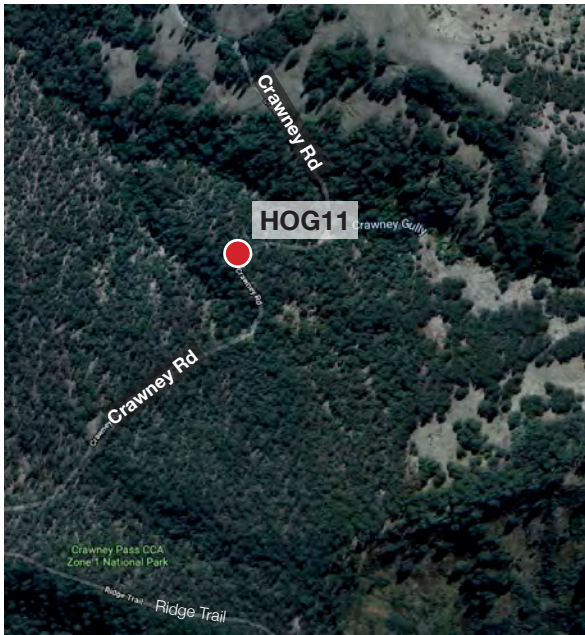
VIEWPOINT HOG10			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ1
Location:	Elevation:	<p>This viewpoint is taken from the corner of Timor Crawney Road and Ridge Trail along the ridge. The view is taken from within the Crawney Pass National Park boundary. Dense native vegetation surrounds the viewpoint, containing the view toward the project site. The land is undulating and slopes to the north.</p> <p>Potential Visual Impact</p> <p>Dense vegetation surrounding the viewpoint is likely to obscure views toward the project site.</p>	<p>Landscape Scenic Integrity:</p> <p>The wind turbines are unlikely to significantly modify the visual catchment from this location. The majority of the Project is likely to be screened by vegetation from this location.</p> <p>Key Feature Disruption:</p> <p>The proposal is unlikely to have any major visual impact on visually significant landform, vegetation or cultural features that have visual prominence or are focal points from this location due to vegetation.</p>
Timor Crawney Road	984m		
Coordinates:	Viewing Direction:		
151°2’37.02”E 31°35’55.25”S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 1.8km	Far Foreground (FF)		
Land Use:	Viewer Sensitivity Level:		
Recreation	Level 1: High		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Crawney	Moderate		
Visual Influence Zone VIZ1			



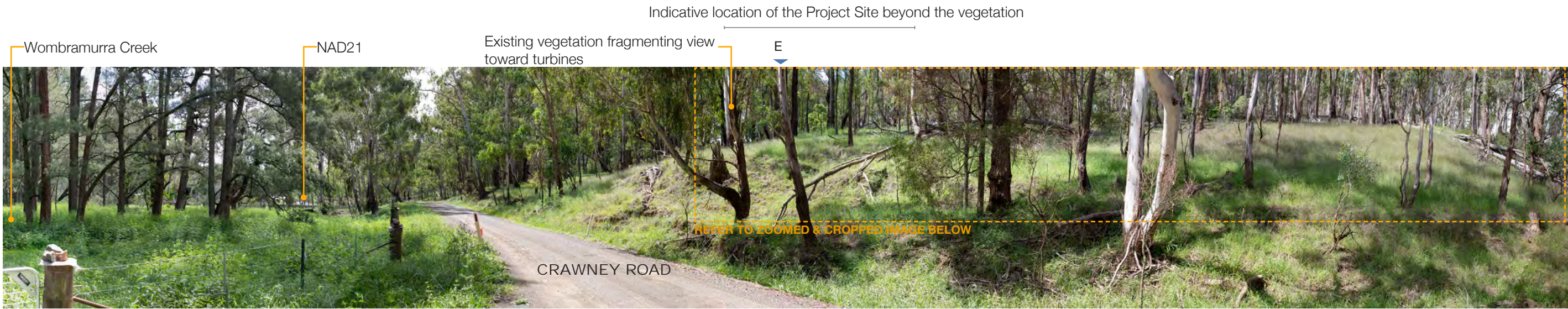
HOG10 Location



VIEWPOINT HOG11			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ1
Location:	Elevation:	View from Crawney Road within Crawney Pass National Park. Land in this area is steep, falling to the west. Dense, native vegetation typical of the Crawney Pass National Park is visible in the foreground. The ridge is visible in the opening in the vegetation associated with the road. The road itself is windy and steep.	Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The majority of the Project is likely to be screened by vegetation from this location. It is possible that there may be brief moments when travelling 200m along Crawney Road whereby the turbines will be a major element in the visual catchment, however this view will fleeting.
Crawney Road	945m		
Coordinates:	Viewing Direction:		
151°3'7.04"E 31°35'33.43"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 1.1m	Far Foreground (FF)	Potential Visual Impact From this location approximately 4 WTG's associated with the project may be seen. The dense vegetation in the foreground fragments the view toward the WTG's. It may be possible to have a fleeting view of the WTG's when travelling along Crawney Road for around 200m.	Key Feature Disruption: The proposal is unlikely to have any major visual impact on visually significant landform, vegetation or cultural features that have visual prominence or are focal points from this location due to vegetation. It is possible that there may be brief moments when the WTG's will be a major feature in the landscape, however this will be fleeting.
Land Use:	Viewer Sensitivity Level:		
Recreational	Level 1: High		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Rolling Foothills	Moderate	-	
Visual Influence Zone VIZ1			

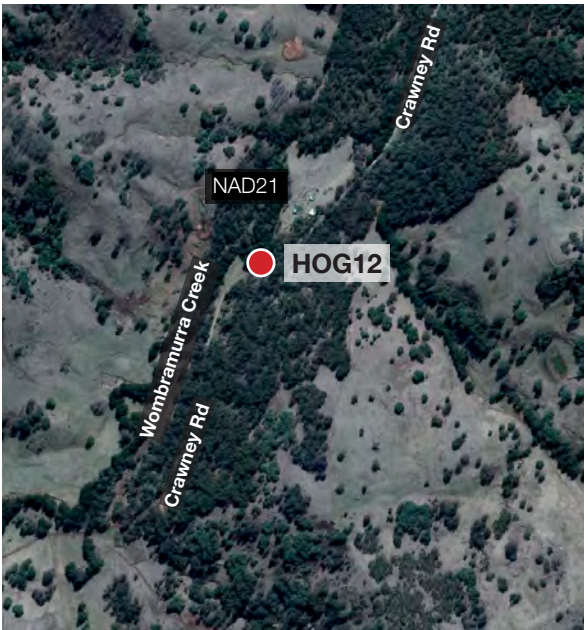


HOG11 Location

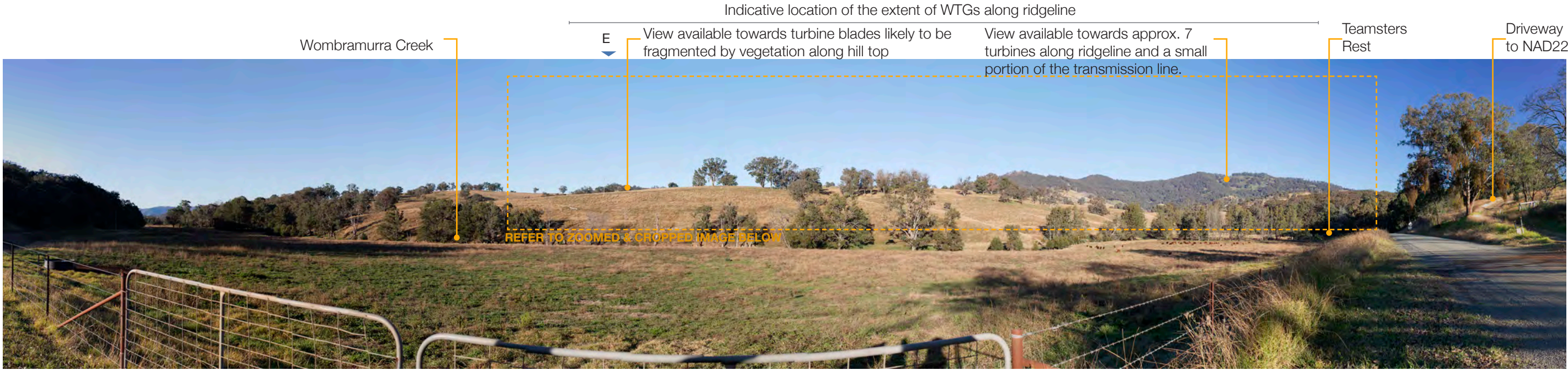


VIEWPOINT HOG12

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is taken from along Crawney Road approximately 200m from NAD21. The land to the NNW of the viewpoint is characterised by rural residential land with some light agriculture activities on undulating land. Vegetation associated with the banks of the Wombramurra Creek can be seen in the north of the view. The land to the east of the viewpoint is steep and densely vegetated. The transmission line associated with the project are proposed to be located approx. 800m to the south of the view, however due to the dense vegetation surrounding the viewpoint it would be unlikely to be visible from this viewpoint.	Visual Magnitude: There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).
Crawney Road	766m		
Coordinates:	Viewing Direction:		
151°2'46.20"E 31°34'17.80"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 3.3km	Near Middleground (NM)	Potential Visual Impact A preliminary assessment indicates the tips of 3 turbines may be visible from this location. However, it is highly unlikely that they would be visible from this location due to the dense vegetation in the foreground.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Rolling Foothills	Moderate	NAD21	
Visual Influence Zone VIZ3			



HOG12 Location



VIEWPOINT HOG13

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	<p>This viewpoint is taken 80m north of the entry to 'Brooklyn' residence (NAD22) and NAD74 along Crawney Road. The land is cleared agricultural and rural residential used for grazing. The landform is undulating with scattered vegetation. Scattered creek line vegetation associated with Wombramurra Creek is visible in the middleground. Dense boundary vegetation associated with 'Brooklyn' residence can be seen to the south of the view. The view is expansive with the ridgeline visible in the background of the view.</p> <p>Potential Visual Impact</p> <p>A preliminary analysis based on topography alone suggests that approximately 27 WTG's may be visible from this location. A combination of distance and existing vegetation along the hilltop are likely to reduce the visibility of a number of the turbines. There may be a small number of WTG's visible along the ridge to the SE of the view. A small portion of the transmission line is likely to be visible in the south east of the view.</p> <p>Nearby Residences:</p>	<p>Visual Magnitude:</p> <p>There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).</p> <p>Detailed assessment of nearby dwellings are included in <i>Appendix E. See PM24.</i></p>
Crawney Road	711m		
Coordinates:	Viewing Direction:		
151° 3'23.26"E 31°33'11.78"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 4.4km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Local Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Nundle Valley Pastures	Moderate	NAD22, AD74	
Visual Influence Zone VIZ3			



HOG13 Location

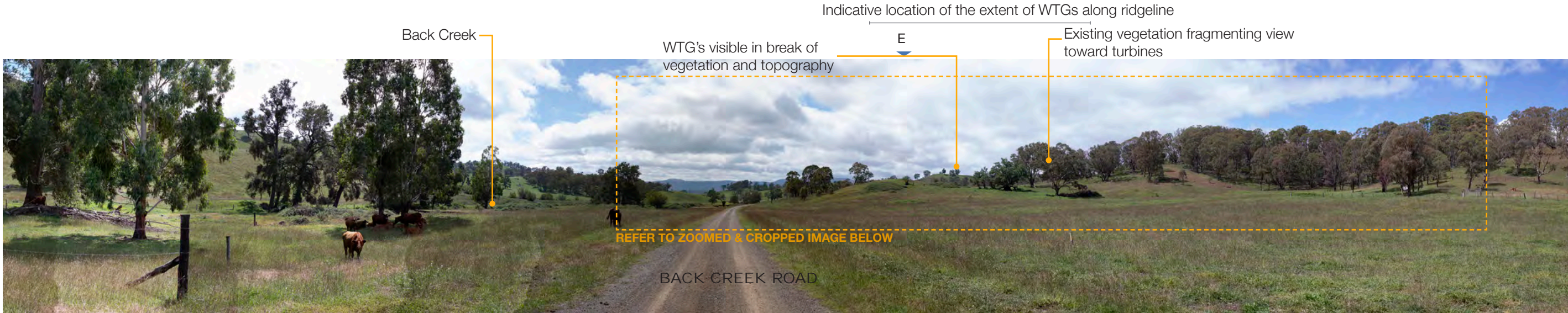


VIEWPOINT HOG14

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	<p>This viewpoint is taken around 50m north of the entrance to 'The Dag Station' (NAD34) and 400m from NAD49 along Crawney Road. The land is characterised by cleared agricultural grasslands used for grazing. The 'The Dag Station' is used as an event space and accommodation provider and therefore has been assessed accordingly. The landform is undulating with scattered vegetation located along the hillside in the distance and smalls copses of vegetation along the roadside in the middleground of the view.</p> <p>Potential Visual Impact</p> <p>From this location an assessment based on topography alone indicates approximately 18 WTG's may be visible, however vegetation along the roadside in the middleground is likely to fragment views to some of the WTG's, slightly reducing the number of visible WTG's from this location.</p>	<p>Landscape Scenic Integrity:</p> <p>The wind turbines will be a noticeable element in the landscape, however the WTG's are unlikely to dominate the visual catchment from this location.</p> <p>Key Feature Disruption:</p> <p>The proposed WTGs will be occupy a small portion of the range. The range and cleared pastures will remain the most visually prominent feature from this location.</p> <p>Detailed assessment of nearby dwellings are included in <i>Appendix E</i>.</p>
Crawney Road	670m		
Coordinates:	Viewing Direction:		
151°4'8.32"E 31°32'6.65"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 5.9km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Tourist and Visitor Accommodation	Level 2: Mod		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Valley Pastures	Moderate	NAD34, NAD49	
Visual Influence Zone VIZ2			



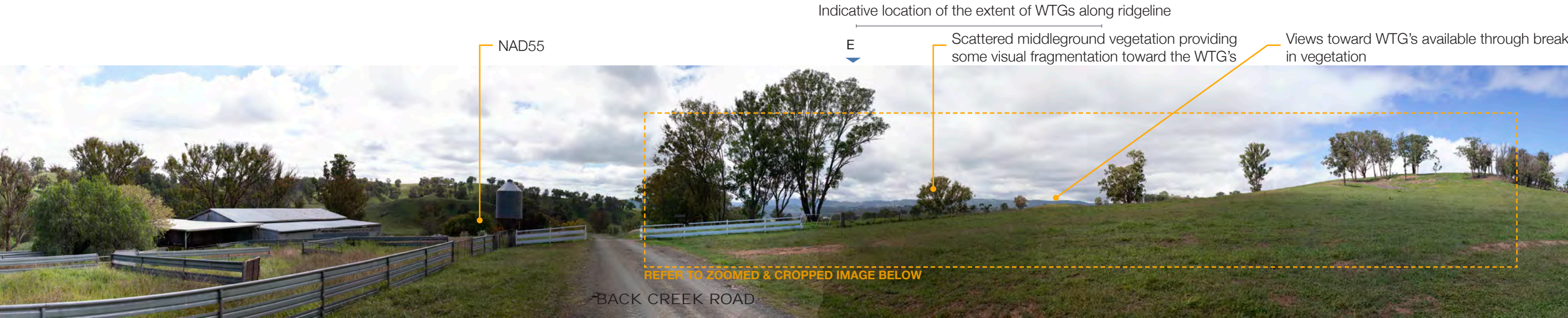
HOG14 Location



VIEWPOINT HOG15			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	The viewpoint location is 400m NE from NAD54, at the termination of Back Creek Road. The land is characterised by cleared agricultural grassland used for grazing. The landform is undulating with scattered vegetation. Dense vegetation can be seen on the rise to the east of the viewpoint providing some visual screening toward the project site. Back Creek, which runs generally in north east direction, is visible to the north of the view. The view is expansive, extending toward the ridgeline to the north east. Potential Visual Impact From this location 16 WTG's may be visible. It is likely vegetation in the middleground may fragment these views and when combined with the distance to the Site they would be difficult to discern.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3)
Back Creek Road	730m		
Coordinates:	Viewing Direction:		
151°2'0.59"E 31°32'24.17"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 6.8km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:	Nearby Residences:	
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Nundle Valley Pastures	Moderate	NAD54	
Visual Influence Zone VIZ3			



HOG15 Location



VIEWPOINT HOG16			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is taken from nearby 'Banoon' NAD55 along Back Creek Road. Land in this area is predominately cleared for grazing. Farm structures associated with 'Banoon' property are located in the north of the view. The land is undulating and sparsely vegetated. Views to the south east are contained by a low rise in topography in the middleground. Views extend toward the ridge, which is partially fragmented by vegetation in the middleground of the view.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3)
Back Creek Road	717m		
Coordinates:	Viewing Direction:		
151°2'52.87"E 31°31'56.42"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 6.8km	Far Middleground (FM)	Potential Visual Impact From this location 18 WTG's may be visible. It is likely vegetation in the middleground may fragment these views and when combined with the distance from the Site, may not dominate the view.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Valley Pastures	Moderate	NAD55	
Visual Influence Zone VIZ3			



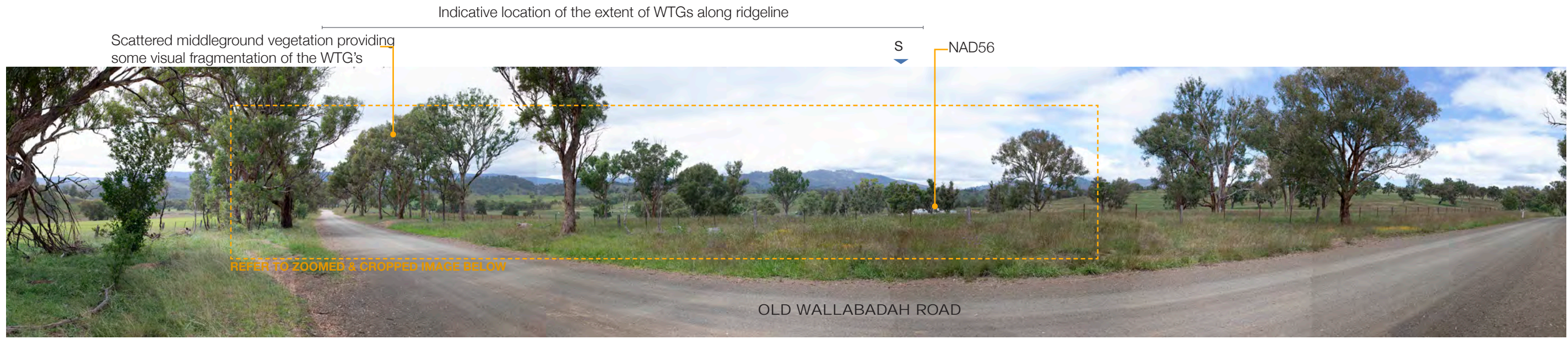
HOG16 Location



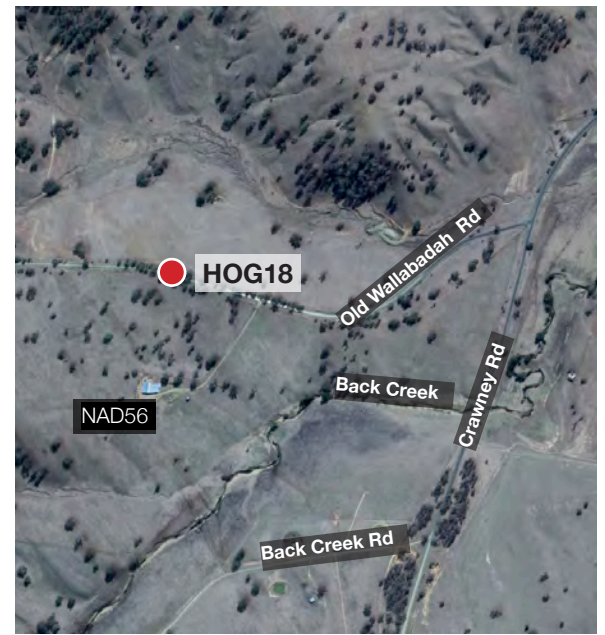
VIEWPOINT HOG17			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	The viewpoint is located around 100m west of the driveway entry to NAD49 along Back Creek Road and 350m from Crawney Road. It is also located nearby NAD 56, though the driveway for this dwelling is located off Old Wallabadah Road. The land in this area is predominately cleared and gently undulating with remnant stands of vegetation in the middleground. Cattle yards associated with the grazing activities of the area are visible in the foreground of the view. Views from this location extend to the east towards the distant vegetated ridge associated with the project area. The slight rise contains views toward the south.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3)
Back Creek Road	669m		
Coordinates:	Viewing Direction:		
151°4'1.54"E 31°31'32.90"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 7km	Far Middleground (FM)	Potential Visual Impact According to preliminary analysis based on topography alone suggests 60-70 WTG's may be visible from this location. The scattered vegetation located on the rise to the south may fragment the view to a small number of WTG's. The distance to the WTG's may also reduce the dominance of these items within the context of the view. A distant view toward a small portion of the transmission line may be available to the south of the view.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Valley Pastures	Moderate	NAD49, NAD56	
Visual Influence Zone VIZ3			



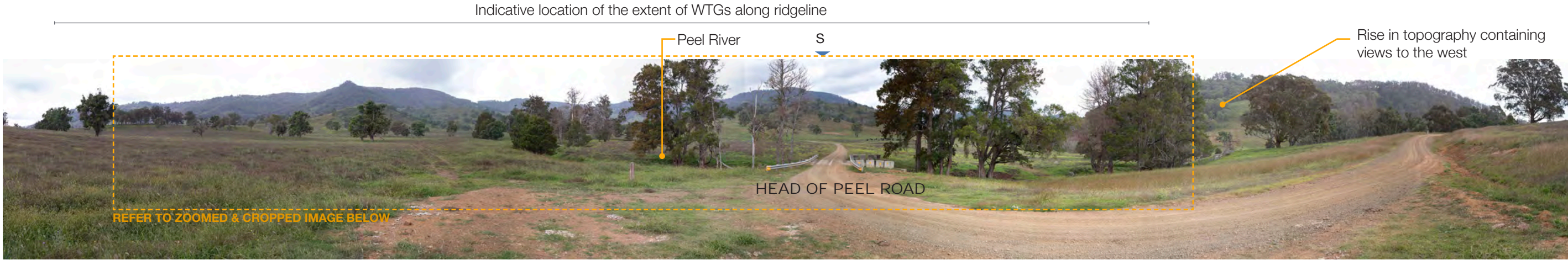
HOG17 Location



VIEWPOINT HOG18					
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3		
Location:	Elevation:	This viewpoint is located approximately 250m west of the entry to NAD56 along Old Wallabadah Road. The landscape is characterised by mostly cleared grassland used for grazing and other agricultural activities. There is scattered native vegetation along the roadside and in the middleground. The landform is slightly undulating, falling away to the south east to reveal views to the vegetated ridge associated with the Site. A shed associated with the property is visible in the middleground of the view.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3)		
Old Wallabadah Road	685m				
Coordinates:	Viewing Direction:				
151°3'50.84"E 31°31'10.46"S	Generally South				
Distance to WTG:	Visibility Distance Zone:	Potential Visual Impact According to preliminary analysis based on topography alone, 60-70 WTG's may be visible from this location. It is likely vegetation in the middleground may fragment these views, slightly reducing the number of visible WTG's.			
Approx. 7.6km	Far Middleground (FM)				
Land Use:	Viewer Sensitivity Level:				
Low Use Road	Level 3: Low				
LCU:	Scenic Quality Rating:	Nearby Residences:			
Nundle Valley Pastures	Moderate	NAD56			
Visual Influence Zone VIZ3					

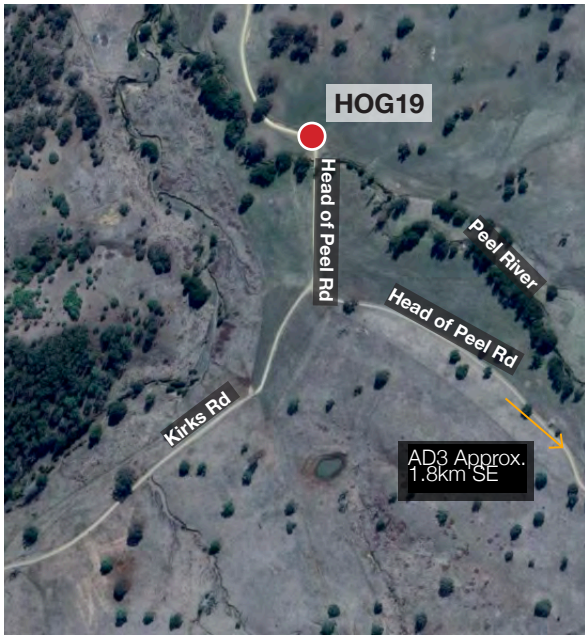


HOG18 Location

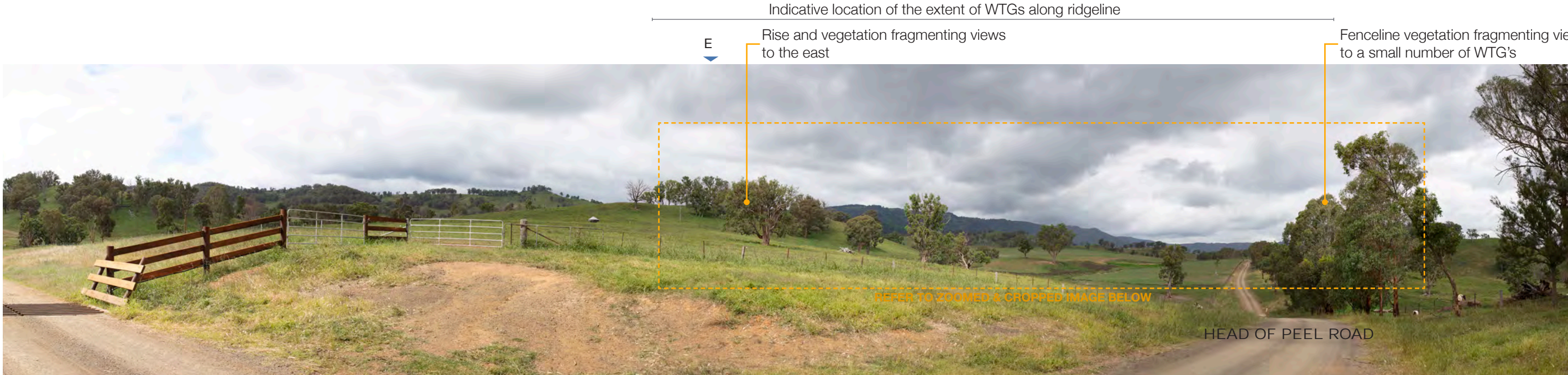


VIEWPOINT HOG19

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	<p>This viewpoint is located along Head of Peel Road, 200m north of Kirks Road intersection, around 1.8km south east of AD3. Head of Peel Road is a low use road. The Peel River is visible running under the bridge in the foreground. The land is situated within a valley. It is cleared gently undulating, agricultural land used for grazing. Scattered vegetation is visible in the foreground associated with the Peel River. There are expansive views to the vegetated ridge associated with the project area. A steep rise to the west conceals some views towards the project site.</p> <p>Potential Visual Impact</p> <p>According to preliminary analysis based on topography alone, 40-50 WTG's may be visible from this location. The vegetation in the foreground is likely to fragment a small number of the WTG's, slightly reducing the number visible.</p> <p>There is potential for some loss of roadside vegetation due to the access road associated with the Project Site, which may effect this section of Head of Peel Road.</p> <p>Nearby Residences:</p>	<p>There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3).</p>
Head Of Peel Road	741m		
Coordinates:	Viewing Direction:		
151°7'44.30"E 31°35'11.55"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 3.3km	Near Middleground (NM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Nundle Valley Pastures	Moderate	AD3	
Visual Influence Zone VIZ3			



HOG19 Location



VIEWPOINT HOG20			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is taken from a slight rise along Head of Peel Rd, 40m from the driveway to NAD33. Head of Peel Road is a low use road. The area is characterised by undulating topography surrounded by steep vegetated ridges. The land is mostly cleared, agricultural land used for grazing for cattle and horses. There is scattered vegetation throughout the view, with dense vegetation running along the fence line in the middleground. The rise continues in an easterly direction, concealing a small portion of views toward the project site. Potential Visual Impact An assessment based on topography alone, identifies 60-70 WTG's may be visible in the distance from east to south. Stands of vegetation along the fence line may fragment views to a small number of WTG's, slightly reducing the number of visible WTG's. There is potential for some loss of roadside vegetation due to the access road associated with the Project Site, which may effect this section of Head of Peel Road. Mitigation methods in this report seek to reduce potential impacts resulting from the road upgrade.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3) Detailed assessment of nearby dwellings associated with Head of Peel Road are included in Appendix E. See PM21.
Head Of Peel Road	695m		
Coordinates:	Viewing Direction:		
151° 6'30.23"E 31°32'12.01"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 5.8km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Valley Pastures	Moderate	NAD33	
Visual Influence Zone VIZ3			



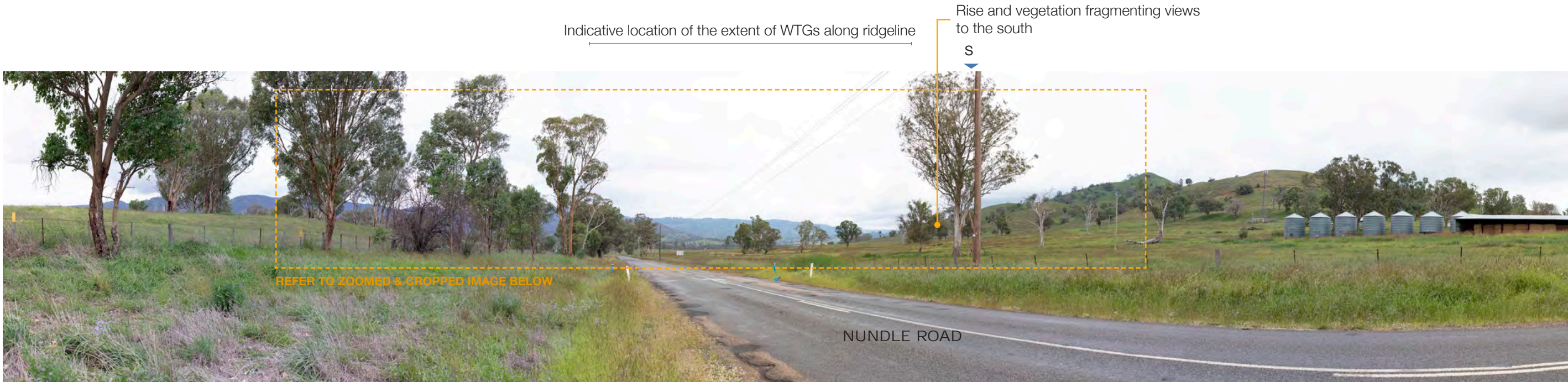
HOG20 Location



VIEWPOINT HOG21			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is taken from Crawney Rd, south of Nundle, at the entrance to the Wombramurra Sale Complex, NAD 47. NAD76, 75, 77 & 45 are all located within 1km of this viewpoint. The land is flat, agricultural land used for cropping and grazing. A row of mature native trees line the entrance to the property and are visible in the foreground. Large stands of trees are visible in the middleground. The ridge associated with the project site is visible in the background.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3) Detailed assessment of nearby dwellings associated with Crawney Road are included in Appendix E .
Crawney Road	610m		
Coordinates:	Viewing Direction:		
151°6'40.6"E 31°29'7.9"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 7.9km	Far Middleground (FM)	Potential Visual Impact An assessment based on topography alone, identifies 40-50 WTG's associated with the project may be visible from this location. Vegetation in the foreground is likely to partially fragment views toward the project area, slightly reducing the number of WTG's visible from this location however outside of this vegetation coverage area, the WTG's are likely to be visible when travelling in a north east or south westerly direction along Crawney Road.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Valley Pastures	Moderate	NAD47, NAD76, NAD75, NAD77, NAD45	
Visual Influence Zone VIZ3			



HOG21 Location



VIEWPOINT HOG22			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is located along Nundle Road, a main road connecting Nundle to Tamworth. The land is cleared, undulating to gently undulating grassland. There are powerlines visible in the middleground. There are grain and hay infrastructure visible in the middleground. A steep, vegetated rise partially contains views to the south. The view extends south east along Nundle Rd toward the densely vegetated ridge associated with the project visible in the distance.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3) <i>Refer Photomontage 01</i>
Nundle Road	653m		
Coordinates:	Viewing Direction:		
151°6'7.7"E 31°27'6.7"S	Generally South		
Distance to WTG:	Visibility Distance Zone:	Potential Visual Impact An assessment based on topography alone, identifies 36 WTG's associated with the project may be visible in the distance to the SE.	
Approx. 11.5km	Near Background (NB)		
Land Use:	Viewer Sensitivity Level:		
Main Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Village	Low/Moderate	-	
Visual Influence Zone VIZ3			



HOG22 Location

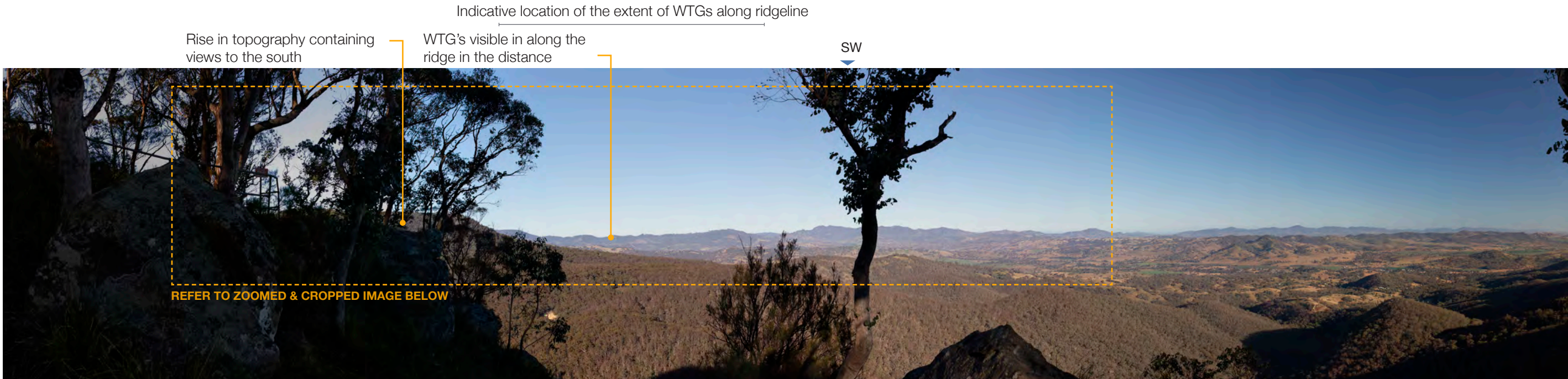


VIEWPOINT HOG23

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is located within a picnic area situated on Mary Street. The picnic area is set by the Peel River, which runs generally in a north-south direction. The land is characterised by cleared, flat land used for recreation and agricultural purposes. Scattered vegetation is visible in the foreground of the view. The view is expansive, extending south east toward Nundle Village in the middleground and the ridge associated with the project site in the background.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3)
Mary Street	598m		
Coordinates:	Viewing Direction:		
151° 7’27.11”E 31°27’36.70”S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 9.8m	Near Background (NB)	Potential Visual Impact An assessment based on topography alone, identifies 60-70 WTG’s associated with the project may be visible from this location. Vegetation in the middleground is likely to partially fragment views to the project area, slightly reducing the number of WTG’s visible from this location. When combined with the distance to the project area, a number of WTG’s may be difficult to discern.	
Land Use:	Viewer Sensitivity Level:		
Recreation	Level 2: Moderate		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Village	Low/Moderate	-	
Visual Influence Zone VIZ3			

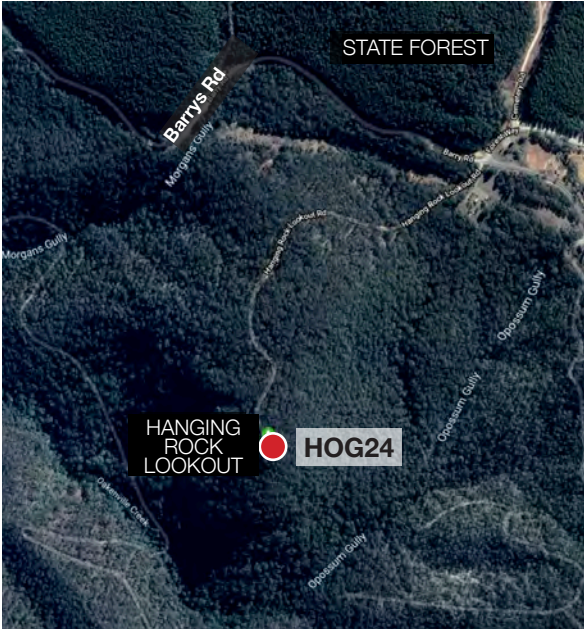


HOG23 Location



VIEWPOINT HOG24

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is taken from the Hanging Rock Lookout located off Hanging Rock Lookout Rd. The land is characterised by steep topography, dense vegetation and rocky outcrops. The view is expansive, opening up to the SW. The steep ridges on either side of the view partially conceal views toward the south.	Landscape Scenic Integrity: The wind turbines will be a major element in the landscape, however they are unlikely to dominate the visual catchment from this location. Key Feature Disruption: The ridgeline forms a visual backdrop to this viewpoint. The proposed WTGs will be a major feature on the ridge, however the range will still be the most visually prominent feature from this location. <i>Refer Photomontage 06</i>
Hanging Rock Lookout	1090m		
Coordinates:	Viewing Direction:		
151°10’43.06”E 31°28’52.92”S	Generally South West		
Distance to WTG:	Visibility Distance Zone:		
Approx. 5.7km	Far Middleground (FM)	Potential Visual Impact An assessment based on topography alone, identifies 22 WTG’s associated with the project may be visible from this location. Vegetation in the foreground of the view is likely to fragment the view toward a number of the WTG’s and combined with the distance to the WTG’s, may reduce the dominance of them within the context of the view.	
Land Use:	Viewer Sensitivity Level:		
Recreation	Level 1: High		
LCU:	Scenic Quality Rating:		
Forested Mountain Ranges	Mod/High		
Visual Influence Zone VIZ2		Nearby Residences:	
		-	



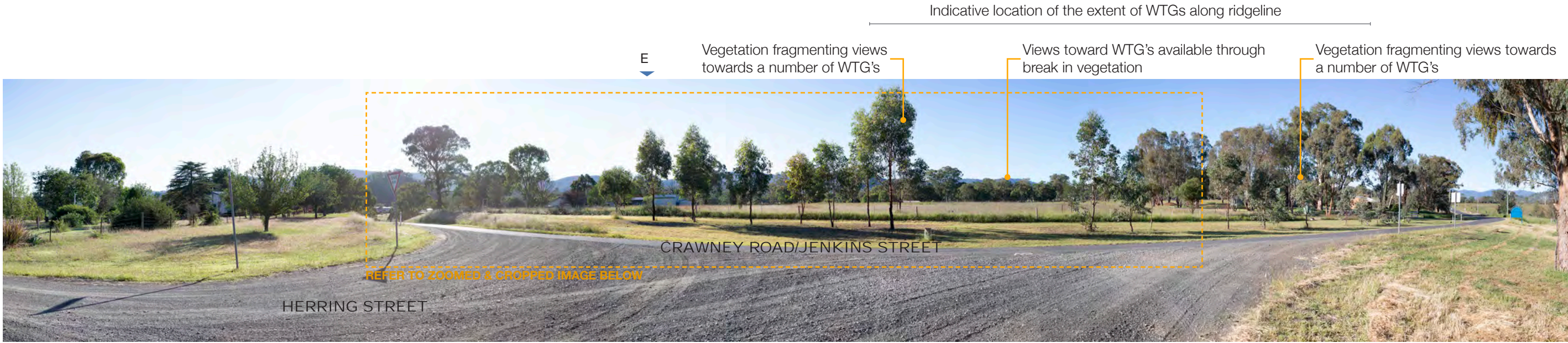
HOG24 Location



VIEWPOINT HOG25			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is taken on a rise on the corner of Rudder and Gill Street. The land is characterised by low density residential on large blocks. The land is undulating, sloping to the west. Scattered vegetation associated with the dwellings is visible in the mid ground. The crest of the hill and residential buildings located in the SE of the view contains some views toward the ridge. Potential Visual Impact A preliminary analysis based on topography alone suggests 41 WTG's may be visible from this location. It is likely existing buildings and associated vegetation in the middleground may conceal views and when combined with the distance from the project area may be difficult to discern.	Landscape Scenic Integrity: The wind turbines will be a noticeable element in the landscape, however they are unlikely to dominate the visual catchment from this location. Vegetation associated with the residential lots would fragment views from this location. Key Feature Disruption: The vegetated ranges form a visual backdrop to this viewpoint. The proposed WTGs will be visible on a small portion of the vegetated range, however the undulating residential character along with range will still be the most visually prominent feature from this location.
Corner of Rudder and Gill St.	608m		
Coordinates:	Viewing Direction:		
151°7'34.27"E 31°28'8.48"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 8.9km	Near Background (NB)	Nearby Residences:	
Land Use:	Viewer Sensitivity Level:		
Residential	Level 1: High		
LCU:	Scenic Quality Rating:		
Nundle Village	Low/Moderate	Nundle Village	
Visual Influence Zone VIZ2			



HOG25 Location

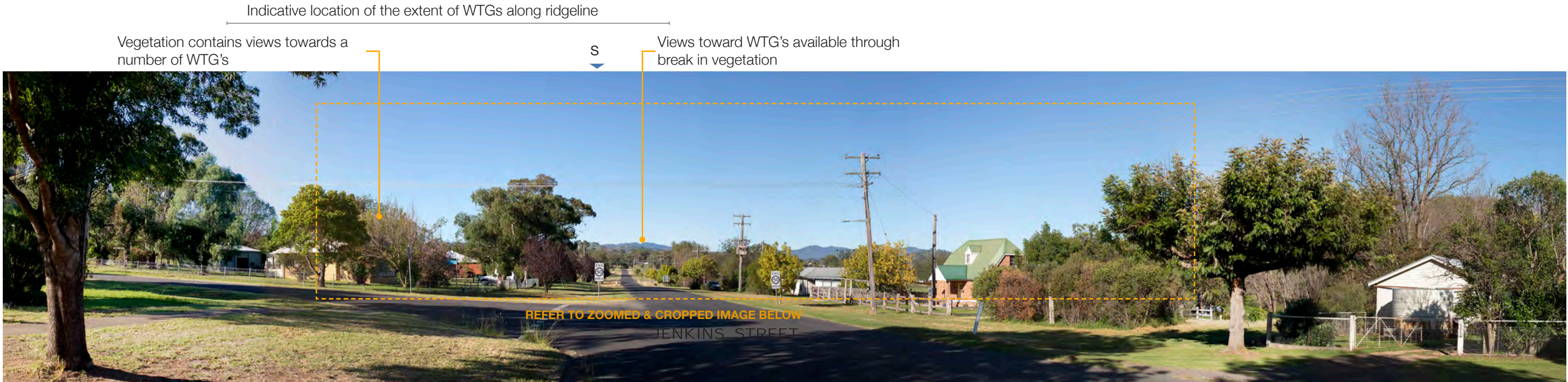


VIEWPOINT HOG26

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	<p>This viewpoint is taken from the corner of Crawney Road/Jenkins Street and Herring Street. The land is flat, cleared residential land, set on large blocks. Dense juvenile native vegetation is visible in the foreground of the view. Filtered views south east toward the ridge associated with the project are available through a break in vegetation.</p> <p>Potential Visual Impact</p> <p>A preliminary analysis based on topography alone suggests approx. 49 WTG's may be visible from this location. It is likely the dense vegetation in the foreground may fragment views, reducing the visibility of a number of the WTG's from this viewpoint.</p>	<p>Landscape Scenic Integrity:</p> <p>The wind turbines will be a noticeable element in the landscape, however they are unlikely to dominate the visual catchment from this location.</p> <p>Key Feature Disruption:</p> <p>The Ridge forms a visual backdrop to the east of this viewpoint. The proposed WTGs will be visible on the range, however the range will still be the most visually prominent feature from this location.</p>
Corner Crawney Rd/ Jenkins St and Herring St.	607m		
Coordinates:	Viewing Direction:		
151° 7'15.40"E 31°28'17.95"S	Generally East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 8.7km	Near Background (NB)		
Land Use:	Viewer Sensitivity Level:		
Residential	Level 1: High		
LCU:	Scenic Quality Rating:		
Nundle Village	Low/Moderate		
Visual Influence Zone VIZ2			



HOG26 Location



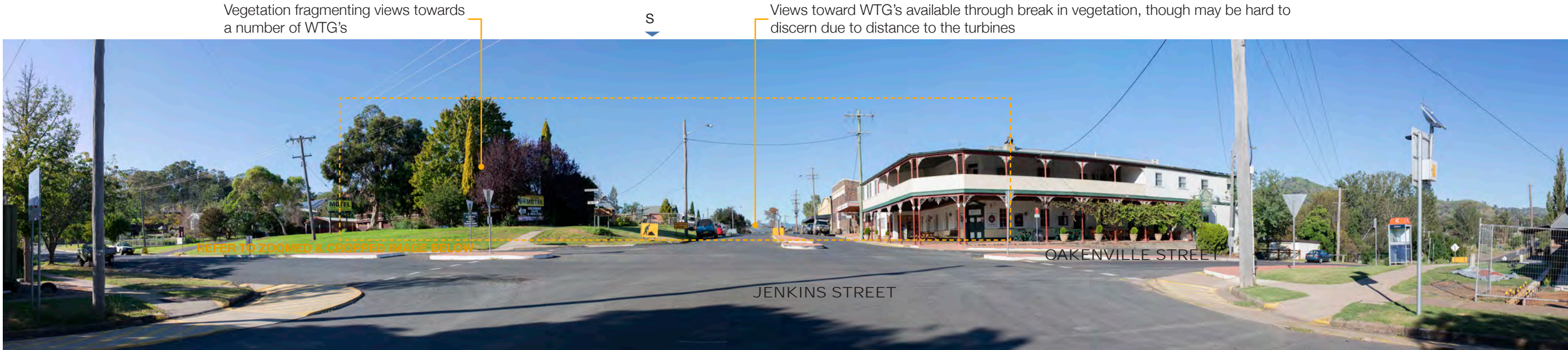
VIEWPOINT HOG27

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is taken on the corner of Jenkins and Durban Street, near the Old Courthouse Museum. The land is characterised by low density residential. The land is flat with dense vegetation associated with the dwellings visible in the middleground. Filtered views of the vegetated ridge associated with the project is visible to the south along Jenkins St.	Landscape Scenic Integrity: The wind turbines are likely to be a noticeable element in the landscape from this location, however they are unlikely to alter the existing visual landscape. Key Feature Disruption: The proposed WTGs are likely to be visible in the distance. Views across the undulating residential area and the ridgeline are likely to remain the key feature of the landscape from this location. Refer to Photomontage 28
Jenkins Street	601m		
Coordinates:	Viewing Direction:		
151°7'35.68"E 31°27'53.09"S	Generally South		
Distance to WTG:	Visibility Distance Zone:	Potential Visual Impact An assessment based on topography alone identifies 30 WTG's may be visible from this location. It is likely existing buildings and associated dense vegetation in the middleground may fragment views and when combined with the distance from the project area, may reduce the number of the WTG's to approximately 10 WTG's, which are in excess of 15.5km from this location.	
Approx. 9.2km	Near Background (NB)		
Land Use:	Viewer Sensitivity Level:		
Residential	Level 1: High		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Village	Low/Moderate	Nundle Village	
Visual Influence Zone VIZ2			



HOG27 Location

Indicative location of the extent of WTGs along ridgeline



VIEWPOINT HOG28

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is located within the main street of Nundle, at the intersection of Jenkins and Oakenville St. The landform is sloping, with a slight rise to the south of the view. The land is classed as a rural village. The Peel Inn and dense vegetation associated with the motel are visible in the foreground and contain views toward the project site. Powerlines are visible in the foreground. A filtered view toward the ridge is visible in the distance.	Landscape Scenic Integrity: The wind turbines are likely to be noticeable in the landscape from this location, however they are unlikely to alter the existing visual landscape. Key Feature Disruption: The proposed WTGs are likely to be visible in the distance however, the village character and buildings are likely to remain the key feature of the landscape from this location. <i>Refer Photomontage 02</i>
Jenkins Street	600m		
Coordinates:	Viewing Direction:		
151°7'40.55"E 31°27'37.90"S	Generally South		
Distance to WTG:	Visibility Distance Zone:	Potential Visual Impact An assessment based on topography alone identifies approx. 10 WTG's may be visible from this location. The the existing dense vegetation and buildings in the foreground fragment views to a number of the WTG's, reducing the amount visible to 6. The distance to the project site may further reduce the appearance of the WTG's within the context of the view.	
Approx. 9.6km	Near Background (NB)		
Land Use:	Viewer Sensitivity Level:	Nearby Residences:	
Village	Level 1: High		
LCU:	Scenic Quality Rating:		
Nundle Village	Low/Moderate	Nundle Village	
Visual Influence Zone VIZ2			



HOG28 Location

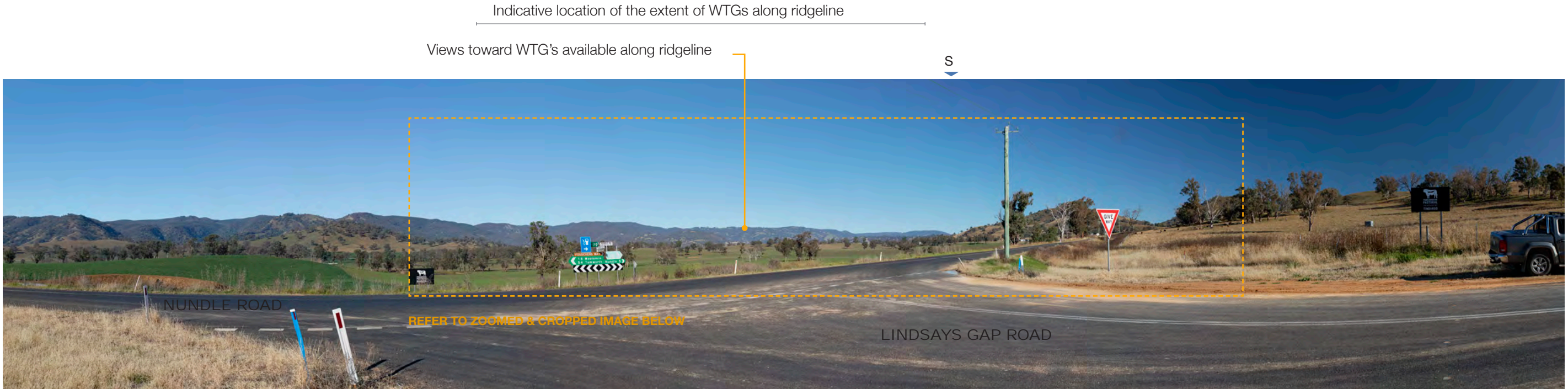


VIEWPOINT HOG29

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is taken from the northern end of Jenkins Street, next to the tennis courts and petrol station. The view is from within the bounds of the town (rural village) area. The landform is sloping, rising up toward the south. Views are contained by the dense vegetation in the foreground. Potential Visual Impact An assessment based on topography alone identifies a around 14-27 WTG's may be visible from this location, however due to the dense vegetation in the foreground it is highly unlikely that any WTG's will be visible.	Landscape Scenic Integrity: The wind turbines are unlikely to alter the existing visual landscape from this location. Key Feature Disruption: The proposed WTGs are unlikely to be visible. Views within the village across are likely to remain the key feature of the landscape from this location.
Jenkins Street	598m		
Coordinates:	Viewing Direction:		
151°7'42.82"E 31°27'32.56"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 9.7km	Near Background (NB)	Nearby Residences: Nundle Village	
Land Use:	Viewer Sensitivity Level:		
Village	Level 1: High		
LCU:	Scenic Quality Rating:		
Nundle Village	Low/Moderate		
Visual Influence Zone VIZ2			



HOG29 Location



VIEWPOINT HOG30

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is taken from the Corner of Lindsay's Gap Road and Nundle Road. The land is characterised by flat, cleared agricultural land used for cropping and grazing. The land rises to the south of the view, containing views to the south. Scattered vegetation associated with the creeks connecting with the Peel River are visible in the background of the view. The densely vegetated ridge is visible in the distance.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3) <i>Refer Photomontage 08</i>
Corner Lindsay's Gap Road & Nundle Road	633m		
Coordinates:	Viewing Direction:		
151° 6'7.79"E 31°26'18.77"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 12.8km	Mid Background (MB)	Potential Visual Impact An assessment based on topography alone identifies around 49 WTG's are likely to be visible on the ridge from this location. The distance to the turbines may dilute the prominence of this element in the landscape.	
Land Use:	Viewer Sensitivity Level:		
Main Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Village	Low/Moderate		
Visual Influence Zone VIZ3			



HOG30 Location

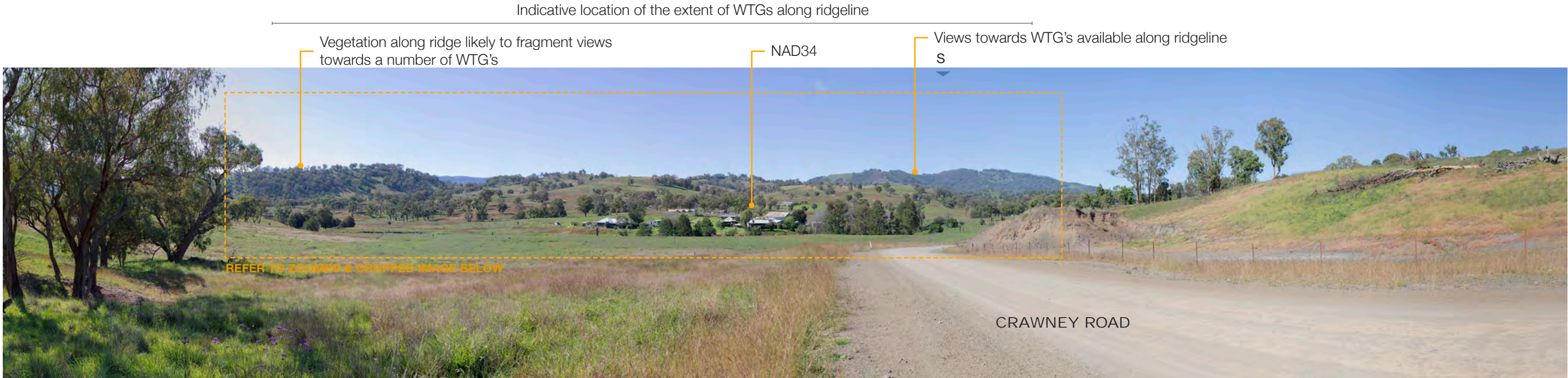


VIEWPOINT HOG31

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	<p>This viewpoint is taken from opposite the entry to Nundle Sport & Recreation Club along Nundle Road. Nundle Road is the main entry into Nundle Village. The land is cleared and used predominantly for recreational purposes. The landform is sloping to the east. Unhealthy vegetation is visible at the boundary. The recreational facility building and associated vegetation can be seen in the middleground. The view extends toward the town and vegetated ranges form a backdrop to views into Nundle.</p> <p>Potential Visual Impact</p> <p>An assessment based on topography alone identifies around 60-70 WGTG's associated with project may be available along the ridgeline from this location. Vegetation in the middleground may partially fragment views to a number of WGTG's, reducing this number to approx. 53 WGTG's. The distance to the project site may further dilute the appearance of the WGTG's within the context of the view.</p> <p>Nearby Residences:</p> <p>-</p>	<p>Landscape Scenic Integrity:</p> <p>The wind turbines will be a noticeable element in the landscape, however they are unlikely to dominate the visual catchment from this location.</p> <p>Key Feature Disruption:</p> <p>The proposed WGTG's will occupy a small portion be a feature on the range. The range along with the undulating area associated with the village will still be the most visually prominent feature from this location.</p> <p><i>Refer Photomontage 09</i></p>
Nundle Road	608m		
Coordinates:	Viewing Direction:		
151° 7'5.89"E 31°27'31.85"S	Generally South		
Distance to WGTG:	Visibility Distance Zone:		
Approx. 10.1km	Near Background (NB)		
Land Use:	Viewer Sensitivity Level:		
Recreation	Level 1: High		
LCU:	Scenic Quality Rating:		
Nundle Village	Low/Moderate		
Visual Influence Zone VIZ2			



HOG31 Location

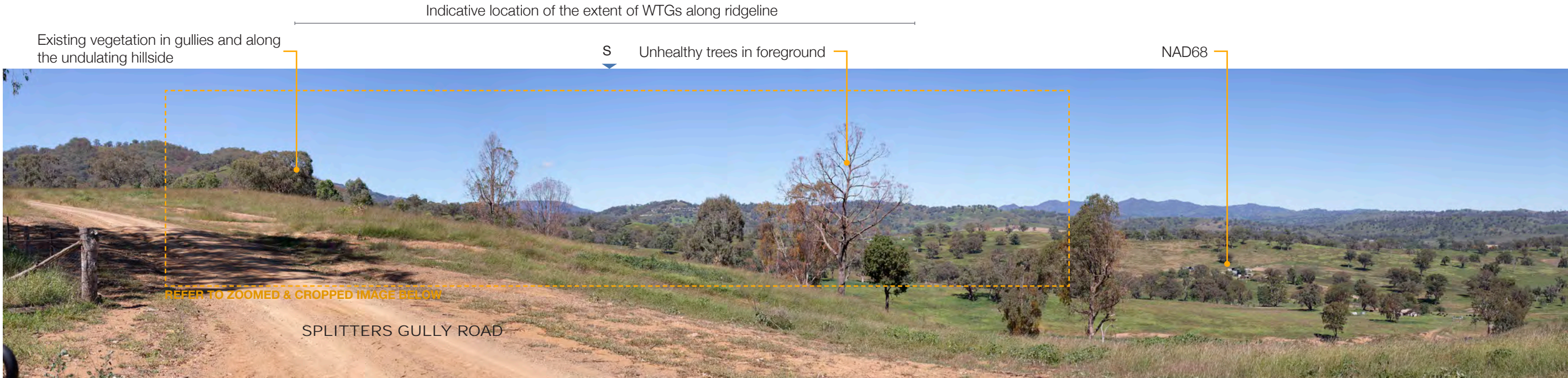


VIEWPOINT HOG32

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is taken from Crawney Road, approximately 300m from the 'Dag Sheep Station', NAD34. The view is taken from a rise which extends south toward the ridge in the background. A copse of vegetation is visible in the foreground to the east of the view. The land is characterised by cleared agricultural grasslands used for grazing. The area is also used for rural residential and hosting events. The 'Dag Station' structures and associated vegetation can be seen in the middleground of the view. The view extends south toward the ridge which can be seen in the background of the view. The ridgetop has areas of dense vegetation, particularly in the east of the viewpoint.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3). Refer Photomontage 03
Crawney Road	683m		
Coordinates:	Viewing Direction:		
151°4'9.35"E 31°31'52.02"S	South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 6.4km	Far Middleground (FM)	Potential Visual Impact An assessment based on topography alone suggests 40-50 WTG's may be visible from this location. The vegetation along the ridge is likely to provide some screening toward a small number of the WTG's, reducing the number visible from this location to 38.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Valley Pastures	Moderate	NAD34, NAD49	
Visual Influence Zone VIZ3			



HOG32 Location

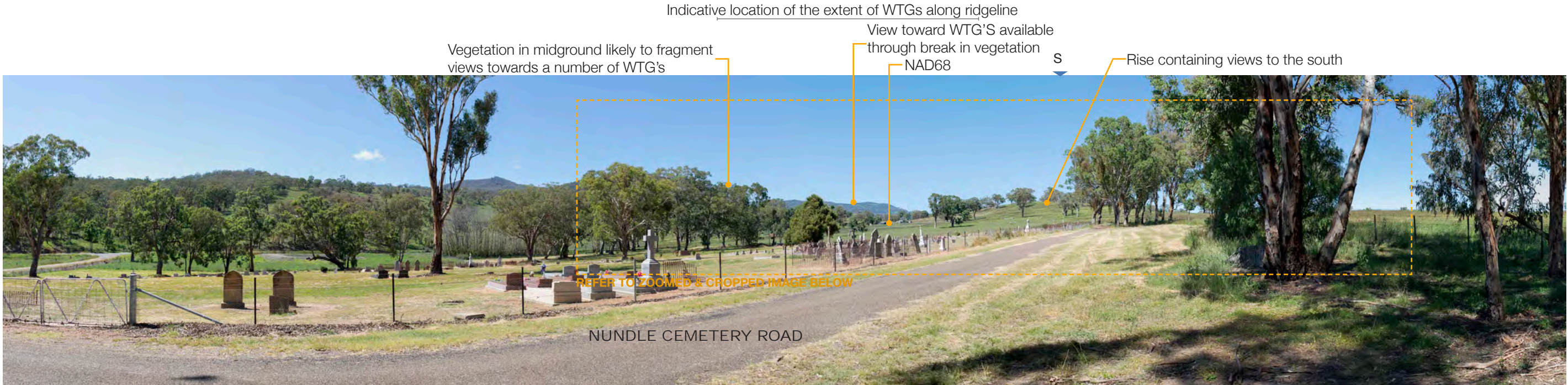


VIEWPOINT HOG33

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is taken from at Splitters Gully Road - a low use road used to access a handful of nearby rural residences. The driveway to access NAD68 is located approximately 550m south east of the viewpoint. The view is from an elevated position within an undulating landscape that slopes to the south west. The landform rises to the south east containing views. Scattered vegetation, most of which is in a poor state, is visible in the foreground. Scattered vegetation is visible in the middleground and along hillsides and gullies in the distance.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3)
Splitters Gully Road	713m		
Coordinates:	Viewing Direction:		
151°8'22.64"E 31°28'56.33"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 7km	Far Middleground (FM)	Potential Visual Impact An assessment based on topography alone suggests that approximately 50 WTG's may be visible from this location. The vegetation in the foreground may fragment the view, slightly reducing the number of visible WTG's however, the viability of these trees into the future is unknown. A large proportion of the WTG's are located at a distance from the viewpoint location and may be difficult to discern from this location.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Village	Low/Moderate	NAD68	
Visual Influence Zone VIZ3			



HOG33 Location



VIEWPOINT HOG34			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is taken from Nundle Cemetery Road, on the western side of the Nundle Cemetery. The area is characterised by the cemetery which can be seen in the foreground of the view. The landform slopes to the east with dense native vegetation in the middleground of the view, which extends to the boundary of the cemetery and wraps around the car parking area. A dense copse of vegetation is visible in the middleground to the south east of the viewpoint. A slight rise with scattered vegetation can be seen to the south in the background of the view. The vegetated ridge associated with the project area is visible in the background.	Landscape Scenic Integrity: The wind turbines will be a major element in the landscape, however they are unlikely to dominate the visual catchment from this location. Key Feature Disruption: The ridgeline forms a visual backdrop to the south east of this viewpoint. The proposed WTGs will be a major feature on the range in this location, however the ridgeline, undulating hillside character and cemetery will still be the most visually prominent feature from this location. Refer Photomontage 04
Nundle Cemetery	636m		
Coordinates:	Viewing Direction:		
151°7'50.71"E 31°28'49.73"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 7.5km	Far Middleground (FM)	Potential Visual Impact An assessment based on topography alone suggests that 27-40 WTG's may be visible from this location. The vegetation along the boundary fence and copse of trees to the south east may fragment the view to a number of the WTG's, reducing the numbers visible from this location to approx. 19 WTG's.	
Land Use:	Viewer Sensitivity Level:		
Cultural Site	Level 2: Moderate		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Village	Low/Moderate	NAD68	
Visual Influence Zone VIZ2			



HOG34 Location

S



VIEWPOINT HOG35

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	<p>This viewpoint is located along Nundle Creek Road. The land is characterised by the cleared, undulating, open grassland. The landform falls away to the west. There is scattered vegetation in the middleground of the view. The view is expansive and extends toward the vegetated ridge in the distance.</p> <p>Potential Visual Impact</p> <p>An assessment based on topography alone suggests that approximately 60-70 WTG's may be visible from this location. A small number of WTG's are located at a distance from the viewpoint location and may be difficult to discern from this location.</p>	<p>There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3)</p>
Nundle Creek Road	700m		
Coordinates:	Viewing Direction:		
151°08'05.3"E 31°29'32.6"S	Generally South West		
Distance to WTG:	Visibility Distance Zone:		
Approx. 6.1km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 03: Low	<p>Nearby Residences:</p>	
LCU:	Scenic Quality Rating:		
Nundle Valley Pastures	Moderate		
Visual Influence Zone VIZ3			



HOG35 Location

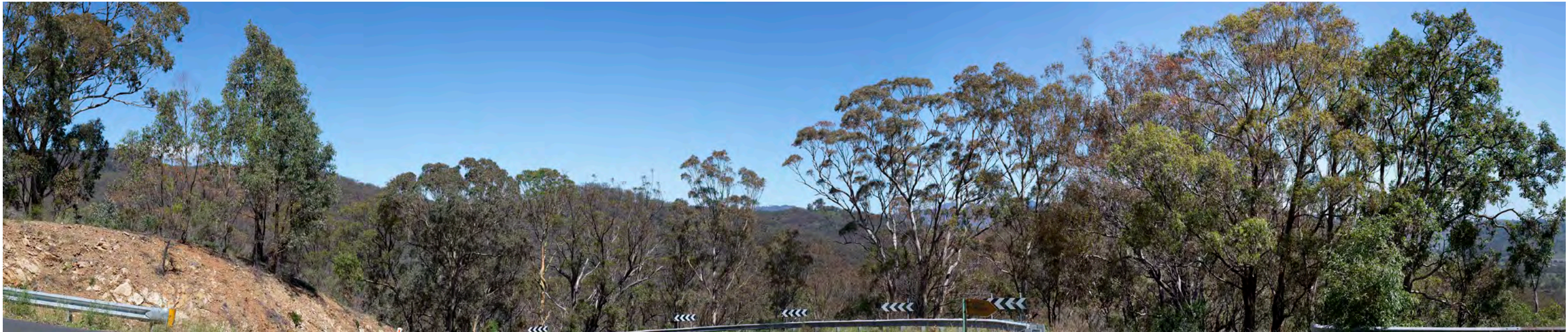


VIEWPOINT HOG36

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ3
Location:	Elevation:	This viewpoint is located along Nundle Creek Road, approximately 50m from NAD66. The land is characterised by undulating, cleared grassland used predominantly for grazing. A slight vegetated rise along with a dense row of vegetation can be seen in the middleground of the view. The view is expansive, extending toward the vegetated ranges including those associated with the project area.	There are no visual performance objectives that apply to this viewpoint due to the Visual Influence Zone Rating (VIZ3), however if deemed necessary, nearby residence NAD66 (located within the blue line) may require mitigation measures.
Nundle Creek Road	684m		
Coordinates:	Viewing Direction:		
151°8'42.04"E 31°31'55.37"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 3.5km	Near Middleground (NM)	Potential Visual Impact An assessment based on topography alone suggests that approximately 21 WTG's are likely to be visible to the south east of the view.	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 03: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Nundle Creek	Moderate	NAD66	
Visual Influence Zone VIZ3			

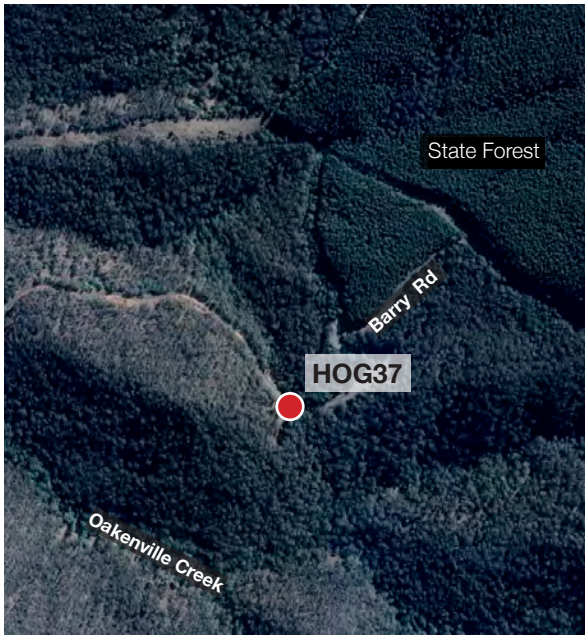


HOG36 Location



VIEWPOINT HOG37

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	<p>This viewpoint is located at the 'Devils Elbow': an unofficial lookout area located along Barrys Road. The area is a relatively flat and open area within a characteristically steep and densely vegetated landscape. The view is surrounded by State Forest and is utilised for forestry purposes. Dense native and non native vegetation is visible in middleground, with a clearing visible to the west of the view.</p> <p>Potential Visual Impact</p> <p>An assessment based on topography alone identifies around 14-27 WTG's may be visible from this location. It is likely the dense vegetation in the foreground may fragment the view, reducing the number of WTG's visible from this location to approximately 9. It is likely upgrades to the road will be required in this location, resulting in the removal of vegetation.</p> <p>Nearby Residences:</p> <p>-</p>	<p>Landscape Scenic Integrity:</p> <p>The wind turbines are unlikely to significantly modify the visual catchment from this location. The majority of the turbines are likely to be screened by vegetation and will be difficult to discern in the distance of this location.</p> <p>Key Feature Disruption:</p> <p>The proposal is unlikely to have major visual impact on visually significant landform, waterform, vegetation or cultural features that have visual prominence or are focal points from this location due to vegetation. The view out to the west is likely to remain the key feature of this viewpoint.</p>
'Devils Elbow'	903m		
Coordinates:	Viewing Direction:		
151°10'14.01"E 31°28'28.81"S	Generally South West		
Distance to WTG:	Visibility Distance Zone:		
Approx. 6.6km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:		
Cultural	Level 2: Moderate		
LCU:	Scenic Quality Rating:		
Forested Mountain Ranges	Mod/High		
Visual Influence Zone VIZ2			



HOG37 Location

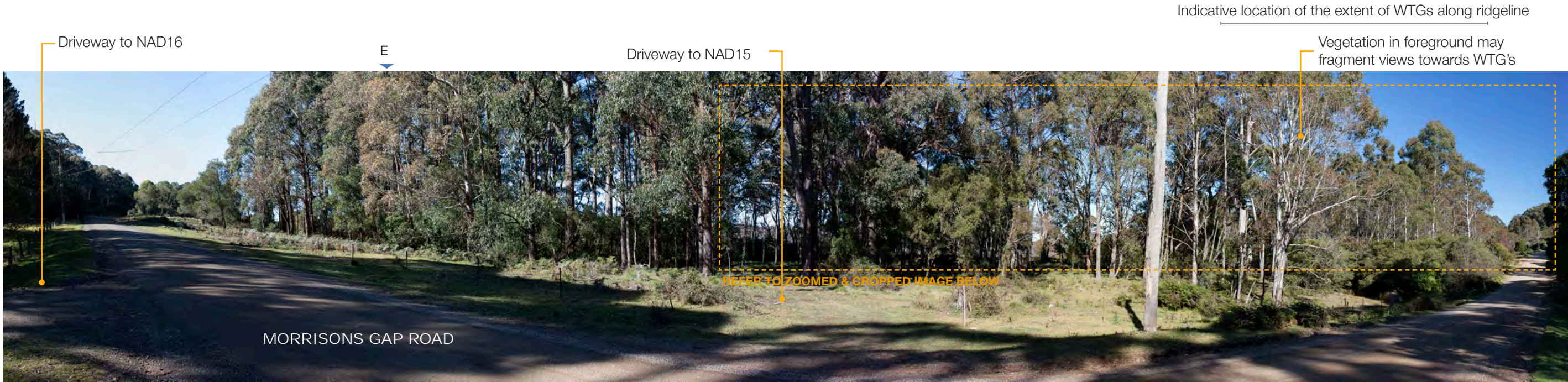


VIEWPOINT HOG38

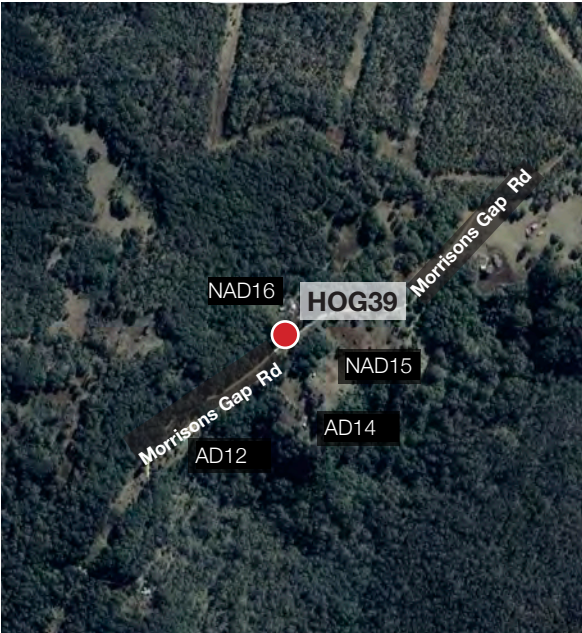
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is located on the corner of Andeva & Barrys Road nearby the NAD63, 61 & 64. The area is characterised by rural residential properties within a relatively flat area situated on a ridgeline. Groupings of shrubs are visible in the foreground. Dense native vegetation is visible in the middleground and contains views out of the area. Potential Visual Impact Vegetation typical of the area is likely to screen the WTG's.	Landscape Scenic Integrity: The wind turbines are unlikely to modify the visual catchment from this location. The wind turbines will not be visible due to vegetation in the middleground. 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 due to vegetation.
Corner of Andeva & Barrys Road	1110m		
Coordinates:	Viewing Direction:		
151°11'30.49"E 31°29'10.27"S	Generally West		
Distance to WTG:	Visibility Distance Zone:		
Approx. 5.2km	Far Middleground (FM)		
Land Use:	Viewer Sensitivity Level:	Nearby Residences:	
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Forested Mountain Ranges	Mod/High		
Visual Influence Zone VIZ2			



HOG38 Location



VIEWPOINT HOG39			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is located along Morrisons Gap Road, nearby the driveways accessing NAD15 & NAD16, around 150m NE of the driveway access to NAD14 and around 350 NE of NAD13. The area is characterised by rural residential properties within a relatively flat area situated on a ridge line. Vegetation typical of the area contains views out of the viewpoint location. Potential Visual Impact An assessment based on topography alone suggests that 50-60 WTG's may be visible to the south this location however vegetation typical of the area is likely to screen views to the WTG's.	Visual Magnitude: Viewpoint is located within the 'black line' (3100m). If deemed necessary, mitigation methods are to be considered for nearby residences NAD15, NAD13, NAD14 & NAD16 in accordance with the Visual Performance Objectives. Refer to Appendix E for detailed assessment for dwellings associated with Morrisons Gap Road. Landscape Scenic Integrity: The wind turbines are unlikely to modify the visual catchment from this location. The wind turbines will be difficult to discern due to vegetation in the foreground. 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 due to prominence of the vegetation in the foreground.
Morrisons Gap Road	1286m		
Coordinates:	Viewing Direction:		
151°11'35.75"E 31°30'52.80"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:		
Approx. 2.10km	Near Middleground (NM)	Nearby Residences: NAD15, AD12, AD14 & NAD16	
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Forested Mountain Ranges	Mod/High		
Visual Influence Zone VIZ2			



HOG39 Location



VIEWPOINT HOG40

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	<p>This viewpoint is located along Barrys Road approximately 150m from NAD32 and around 500m from the driveway of NAD30. The land is characterised by rural residential land that has been partially cleared. The area is used for light agricultural purposes. The landform is relatively flat to slightly undulating, with a slight rise to the south of the view. There is scattered vegetation in the foreground containing views toward the south and south west. Dense vegetation is visible in the distance along the forested mountain ranges.</p> <p>Potential Visual Impact</p> <p>An assessment based on topography alone suggests that 36 WTG’s may be visible to the south west of this location. Roadside vegetation located in the foreground of the view is likely to fragment views toward the majority of the WTG’s from this location. It may be possible to have fleeting views of the turbines for approximately 80m when travelling in a south westerly direction.</p> <p>Nearby Residences:</p> <p>NAD32, NAD30, NAD39</p>	<p>Visual Magnitude:</p> <p>Viewpoint is located within the 'blue line' (4550m). If deemed necessary, mitigation methods are to be considered for nearby residences, NAD39, NAD32 and NAD30 in accordance with the Visual Performance Objectives.</p> <p>Refer to Appendix E for detailed dwelling assessment.</p> <p>Landscape Scenic Integrity:</p> <p>The wind turbines are unlikely to be a major element in the landscape, and are unlikely to dominate the visual catchment from this location. When travelling in a south westerly direction for approximately 80m, the turbines are likely to be a visible element in the landscape, though this will be fleeting.</p> <p>Key Feature Disruption:</p> <p>The ridgeline forms a visual backdrop to the south west of this viewpoint. The proposed WTGs will be a visible element on the range however the undulating vegetated landform will still be the most visually prominent feature from this location.</p>
Barrys Road	1280m		
Coordinates:	Viewing Direction:		
151°12’37.24”E 31°30’33.78”S	Generally South West		
Distance to WTG:	Visibility Distance Zone:		
Approx. 3.5km	Near Middleground (NM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:		
Forested Mountain Ranges	Mod/High		
Visual Influence Zone VIZ2			



HOG40 Location

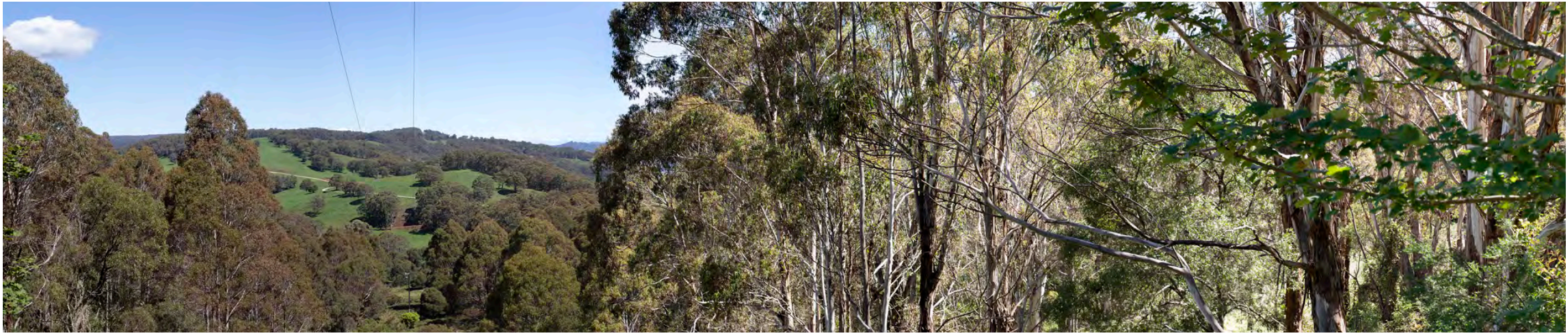
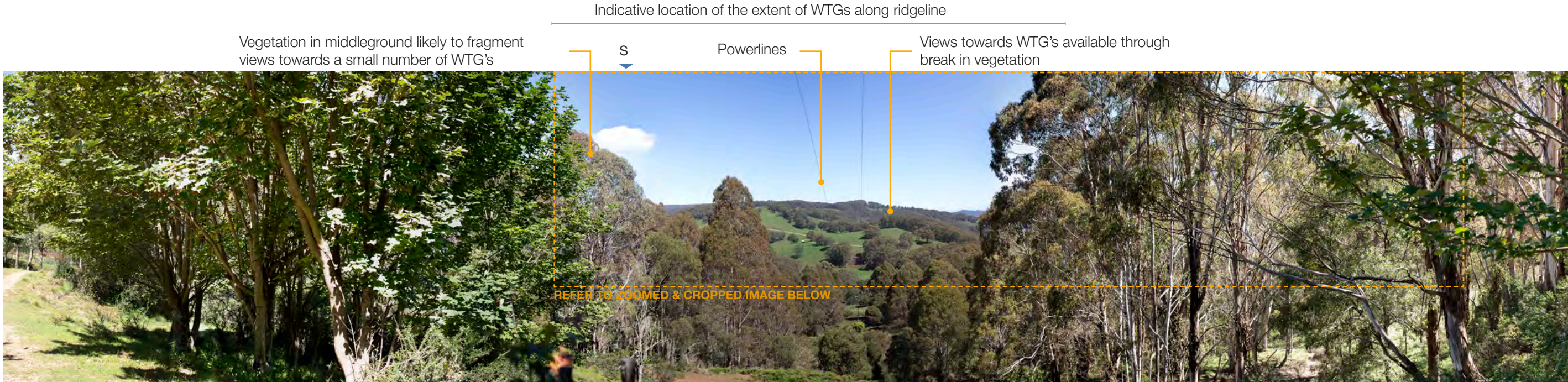


VIEWPOINT HOG41

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is located on the corner of Barrys Road and Morrisons Gap Road, nearby to NAD20, NAD19 and NAD18. The area is characterised by wooded, native grass land within rural residential land. The landform is undulating. There is vegetation in the foreground which contains views out of the area.	Visual Magnitude: Viewpoint is located within the 'blue line' (4550m). If deemed necessary, mitigation methods are to be considered for nearby residences, NAD20, NAD18 and NAD19 in accordance with the Visual Performance Objectives. Refer to Appendix E for detailed dwelling assessment.
Corner Barrys Road and Morrisons Gap Road	1250m		
Coordinates:	Viewing Direction:	Potential Visual Impact An assessment based on topography alone suggests that 40-50 WTG's may be visible from this location however vegetation typical of the area is likely to screen the majority of the WTG's.	Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The wind turbines will be difficult to discern due to vegetation in the foreground. 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 due to prominence of the vegetation in the foreground.
151°12'15.6"E 31°30'32.8"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 3.2km	Near Middleground (NM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low	Nearby Residences:	
LCU:	Scenic Quality Rating:		
Forested Mountain Ranges	Mod/High	NAD20, NAD19 and NAD18	
Visual Influence Zone VIZ2			



HOG41 Location



VIEWPOINT HOG42			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is taken from Morrisons Gap Road nearby NAD12. The area is steep, rural residential land. The area is characterised by dense vegetation, however the viewpoint is located in a clearing to accommodate the power lines. The ridge associated with the project is visible in the middleground of the view.	Visual Magnitude: Viewpoint is located within the 'black line' (3100m). If deemed necessary, mitigation methods are to be considered for nearby residence NAD12 in accordance with the Visual Performance Objectives. Refer to Appendix E for detailed dwelling assessment.
Morrisons Gap Road	1256m		
Coordinates:	Viewing Direction:		
151°11'14.93"E 31°31'13.30"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 1.4km	Far Foreground (FF)	Potential Visual Impact An assessment based on topography alone suggests that 60-70 WTG's may be visible from this location however the dense vegetation in the foreground may contain views toward a number of WTG's to the south east and south west of the view, reducing the amount noticeable from this location to approximately 36. Due to the cleared corridor, views toward the project site to the south will be visible from this location.	Landscape Scenic Integrity: The proposed WTGs are likely to become a dominant feature in the landscape in this location. However, outside of this corridor the turbines are unlikely to alter the existing visual landscape along Morrisons Gap Road.
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	Key Feature Disruption: The proposed WTGs will be a major feature on the range and will likely become the most visually prominent feature from this location. However, outside of this cleared corridor, Morrisons Gap Road is heavily wooded and opportunities for views out of the dense vegetation toward the turbines would be minimal and fleeting. Refer Photomontage 07
Forested Mountain Ranges	Mod/High	NAD12	
Visual Influence Zone VIZ2			

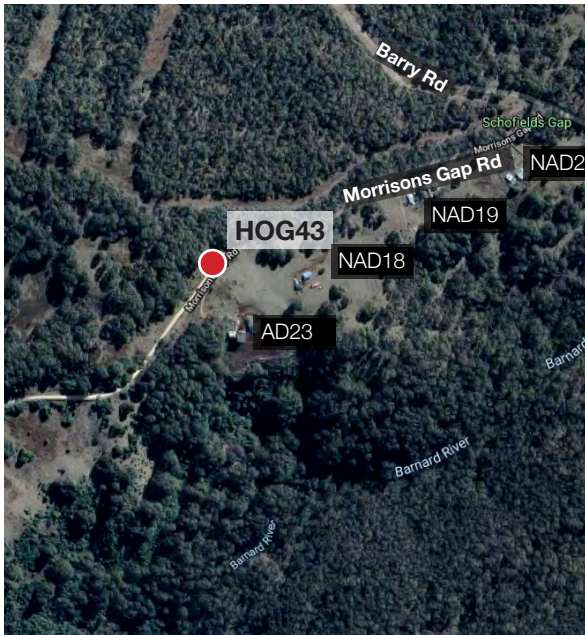


HOG42 Location

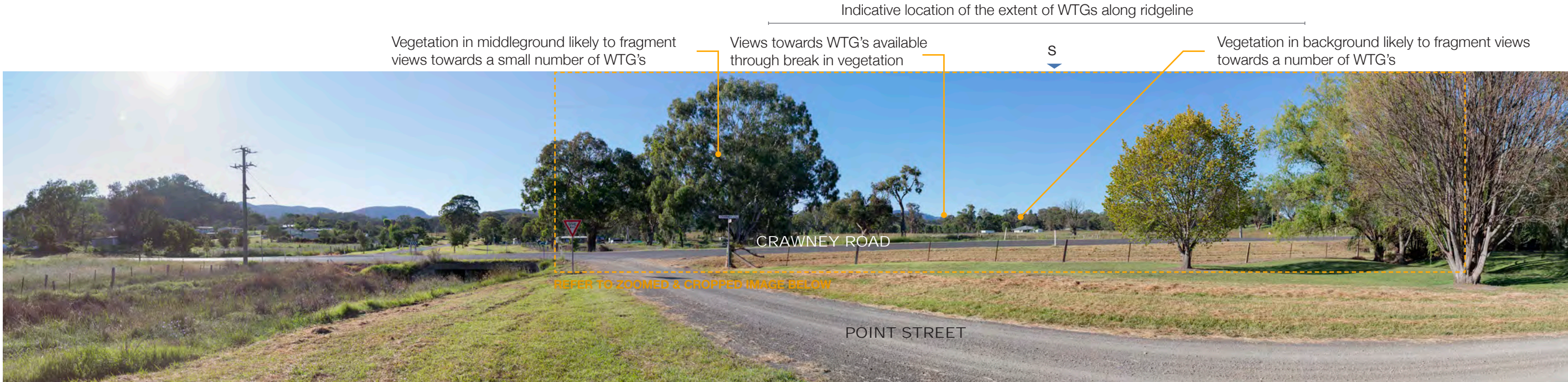


VIEWPOINT HOG43

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is located on Morrisons Gap Rd, nearby NAD18, NAD19 & AD23. The landscape is characterised by sloping to undulating, partially cleared land used for rural residential purposes, set within densely wooded surrounds. Dense vegetation is visible in the middleground containing views to the south of the view. The residences and associated vegetation are also visible in the middleground. A heavily vegetated ridge is visible in the back ground of the view.	Visual Magnitude: Viewpoint is located within the 'black line' (3100m). If deemed necessary, mitigation methods are to be considered for nearby residence NAD23, NAD19 & NAD18 in accordance with the Visual Performance Objectives. Refer to Appendix E for detailed dwelling assessment. Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The majority of the Project is likely to be screened by vegetation 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 due to vegetation.
Morrisons Gap Road	1289m		
Coordinates:	Viewing Direction:		
151°11'54.40"E 31°30'42.50"S	Generally South East		
Distance to WTG:	Visibility Distance Zone:	Potential Visual Impact An assessment based on topography alone suggests that 40-50 WTG's may be visible from this location. It is likely that the dense vegetation located in the middleground of the view will contain views toward the WTG's from this location.	
Approx. 2.6km	Near Middleground (NM)		
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
LCU:	Scenic Quality Rating:	Nearby Residences:	
Forested Mountain Ranges	Mod/High	AD23 , NAD19 & NAD18	
Visual Influence Zone VIZ2			



HOG43 Location



VIEWPOINT HOG44

Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is taken from the corner of Crawney Rd/Point St. The land is flat, cleared residential land, set on large blocks. Dense vegetation is visible in the middleground to the south east and south west of the view. Dense vegetation is also visible in the background of the view and filters views toward the ridgeline associated with the project area. Potential Visual Impact A preliminary analysis based on topography alone suggests 60-70 WTG's may be visible from this location. It is likely the dense vegetation in the background and middleground may fragment views, reducing the visibility of a number of the WTG's from this viewpoint to approx. 12. These are likely to be available through the break in vegetation to the south of the view.	Landscape Scenic Integrity: The wind turbines will be a noticeable element in the landscape, however they are unlikely to dominate the visual catchment from this location. Key Feature Disruption: The Ridge forms a visual backdrop to the south and south east of this viewpoint. The proposed WTGs will be visible on the range, however the range will still be the most visually prominent feature from this location. Refer Photomontage 05
Crawney Road/Point Street	601m		
Coordinates:	Viewing Direction:		
151° 7'24.61"E 31°28'14.15"S	Generally South		
Distance to WTG:	Visibility Distance Zone:		
Approx. 8.7km	Near Background (NB)	Nearby Residences:	
Land Use:	Viewer Sensitivity Level:		
Residential	Level 1: High		
LCU:	Scenic Quality Rating:		
Nundle Village	Low/Mod	Nundle Village	
Visual Influence Zone VIZ2			



HOG44 Location



VIEWPOINT HOG45			
Viewpoint Summary		Viewpoint Description	Visual Performance Objectives: VIZ2
Location:	Elevation:	This viewpoint is located at the driveway of NAD48, along Shearers Rd. The landscape is characterised by the river flats and associated creek line vegetation of the Barnard River in the middleground. The surrounds are characterised by densely wooded, undulating hillsides. A slight vegetated rise is located in the NW of the view, containing views to the NW.	Visual Magnitude: Viewpoint is located within the 'blue line' (4550m). If deemed necessary, mitigation methods are to be considered for nearby residence, NAD48 in accordance with the Visual Performance Objectives. Refer to Appendix E for detailed dwelling assessment.
Shearers Road	805m		
Coordinates:	Viewing Direction:		
151°13'17.32"E 31°33'59.80"S	Generally North West		
Distance to WTG:	Visibility Distance Zone:		
Approx. 4.5km	Far Middleground (FM)	Potential Visual Impact A preliminary assessment based on topography alone suggests that 5 WTG's may be visible from this location. It is likely that the dense vegetation located in the middleground of the view may contain views toward a majority of the WTG's from this location.	Landscape Scenic Integrity: The wind turbines are unlikely to significantly modify the visual catchment from this location. The majority of the Project is likely to be screened by vegetation from this location.
Land Use:	Viewer Sensitivity Level:		
Low Use Road	Level 3: Low		
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 due to vegetation.
Forested Mountain Ranges	Mod/High	NAD48	
Visual Influence Zone VIZ2			



HOG45 Location