

JEFFERIES ROAD KEY RESOURCE AREA – KRA 168

LOCAL GOVERNMENT AREA: Gympie and South Burnett Regional Councils

LOCATION:

The resource is located along the Burnett Highway near the Jefferies Road intersection, approximately 9 kilometres south of the township of Goomeri, about 12 kilometres east of the township of Murgon (see map KRA 168).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The rock types at the site are andesitic to dacitic volcanics and volcanoclastic assemblages within the Neara Volcanics.

The boundary of the resource includes the current quarry operational area and the potential long term quarry development area approved by the Gympie Regional Council in 2009 and is zoned as extractive industry under the Gympie Regional Council Planning Scheme 2013. Exposures of good quality rock extend southwards along road cuttings while considerable volumes of hard rock exist to the south. The current resource area boundary includes a setback of about 40 metres from the Burnett Highway Road reserve boundary.

The quarry site has been worked since the 1960s. Currently a quarry is operating at this site producing materials from unweathered rock of high strength, hardness and durability, suitable for concrete, asphalt, sealing aggregates, high quality road bases, rail ballast, rip rap and unbound pavement material.

SIGNIFICANCE:

The identified resource is capable of supplying a variety of high quality products to the Gympie and South Burnett Regional Councils areas for many years. The existing quarry operation has the capacity to produce 5% or greater of the annual demand of the region.

The resource meets the KRA criteria in terms of its size and production capacity and ability to supply to more than one significant market area of the region.

SEPARATION AREA:

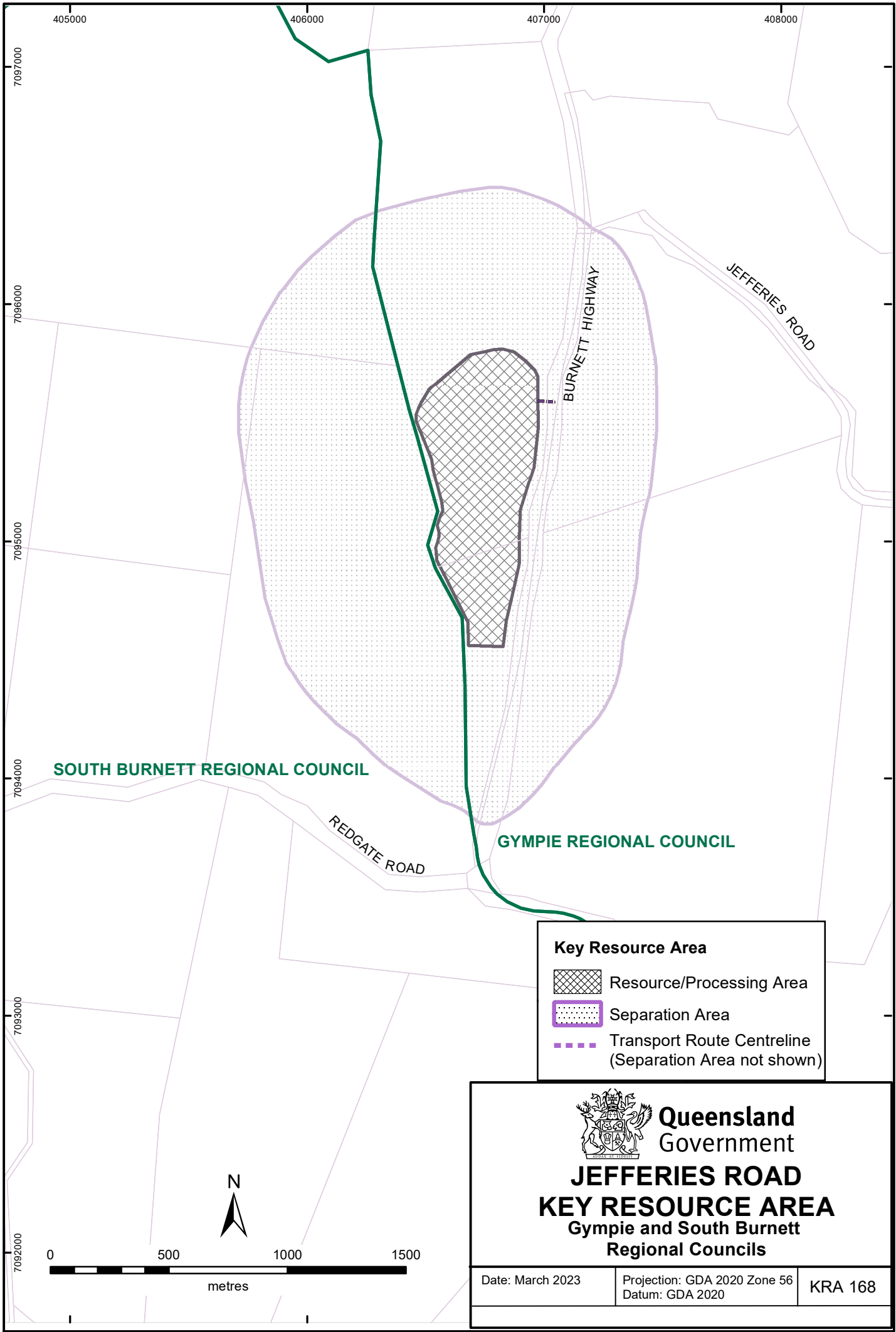
The separation distance ranges from 500m to the east where ridgelines are higher than the resource boundary and 750 metres to the other sides where ridges screen the higher parts of the resource. The separation area extends across the boundary of the South Burnett and Gympie Regional Council areas.

TRANSPORT ROUTE:

The materials are transported from the site through a short internal site access road directly onto the Burnett Highway.

SPECIAL CONSIDERATIONS:




Some parts of the resource area contain “of concern sub-dominant” vegetation (RE 12.12.7/12.12.8). A blasting exclusion zone may need to be established for the safety of the Burnett Highway.



SOUTH BURNETT REGIONAL COUNCIL

GYMPIE REGIONAL COUNCIL

Key Resource Area

-  Resource/Processing Area
-  Separation Area
-  Transport Route Centreline (Separation Area not shown)



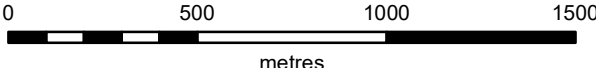
**Queensland
Government**

**JEFFERIES ROAD
KEY RESOURCE AREA
Gympie and South Burnett
Regional Councils**

Date: March 2023

Projection: GDA 2020 Zone 56
Datum: GDA 2020

KRA 168



MANAR ROAD KEY RESOURCE AREA – KRA 169

LOCAL GOVERNMENT AREA: South Burnett and North Burnett Regional Councils

LOCATION:

The resource is located off Manar Road, about nine kilometres northeast of the intersection of Manar Road with Mundubbera-Durong Road, approximately 5 kilometres west from Boondooma Dam, about 28 kilometres northwest from the township of Proston and about 22 kilometres east of Allies Creek township (see map KRA 169).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The major rock type at the site is syeno-granite, fine grained pink to grey rock in colour with large inclusions of granodiorite and is hard to very hard in surface outcrop. In the main resource area, it occurs as large shelves of rock and is generally massive and unjointed in appearance. Thick duricrust overlies part of the syeno-granite within the resource area.

South Burnett Regional Council has approved a quarry within the site in late 2018. Material test work results demonstrated that the unweathered rock is of high strength, hardness and durability and is suitable for use in concrete and sealing aggregates. The duricrust may be blended to achieve a broad range of specifications.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of high specification materials to the South Burnett and North Burnett Regional Councils areas for many years.

The resource meets the KRA criteria in terms of its size, scarcity of high-quality material in the region and ability to supply to more than one significant market area of the region.

SEPARATION AREA:

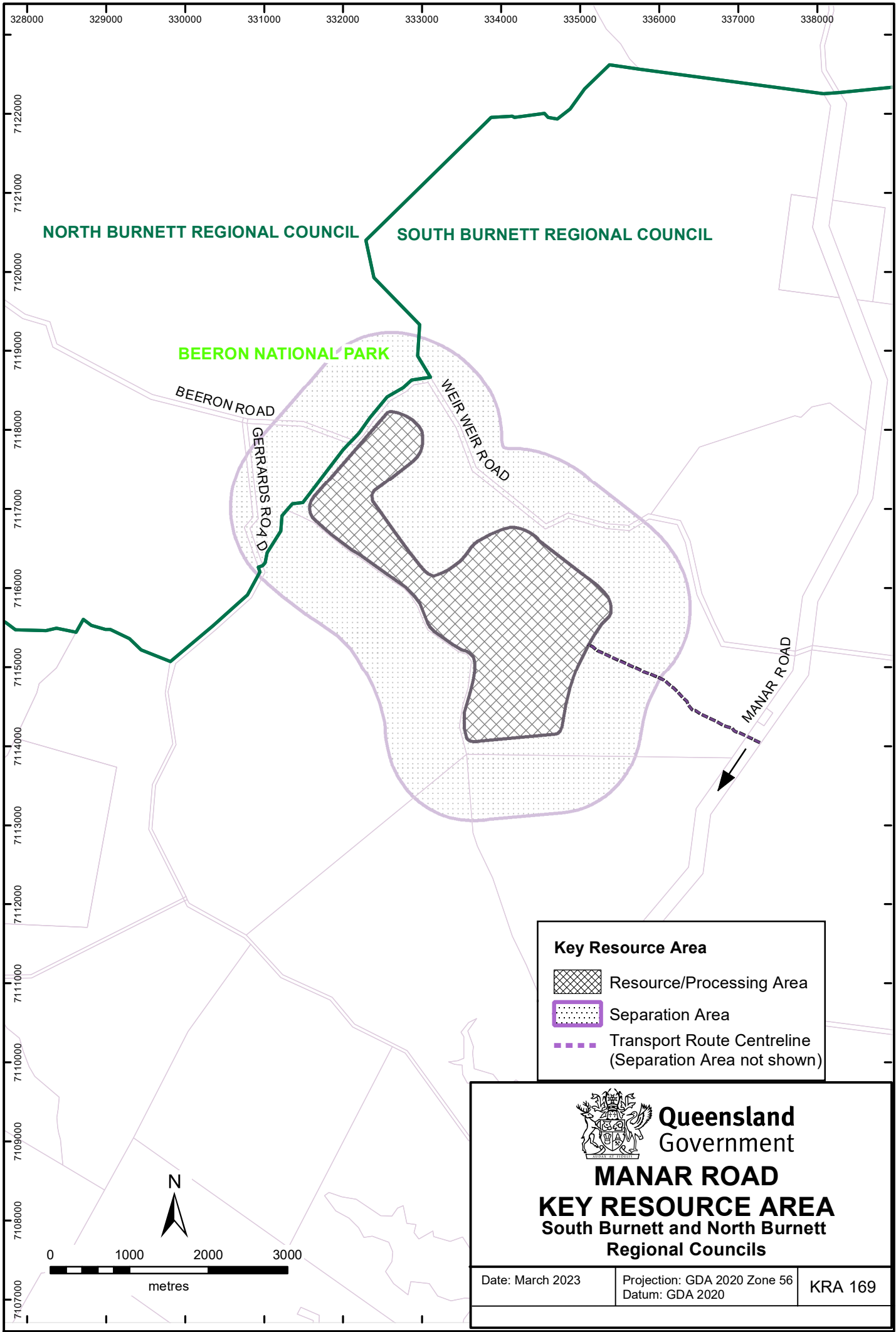
A separation area of 1000 metres has been applied, with no houses other than the on-site farmhouse near the haul route separation area. The separation area extends over Rural land of the South Burnett and the Beeron National Park to the north of the North Burnett Council boundary.

TRANSPORT ROUTE:

The materials are transported from the site through an internal site access road onto Manar Road, then south towards Mundubbera-Durong Road.

SPECIAL CONSIDERATIONS:

Some parts of the resource area contain “of concern sub-dominant” vegetation (RE 11.7.7/11.12.5) and “of least concern” vegetation (RE 11.12.6/11.7.6/11.12.3).



NORTH BURNETT REGIONAL COUNCIL

SOUTH BURNETT REGIONAL COUNCIL

BEERON NATIONAL PARK




BEERON ROAD

GERRARDS ROAD

WEIR WEIR ROAD

MANAR ROAD

Key Resource Area

-  Resource/Processing Area
-  Separation Area
-  Transport Route Centreline (Separation Area not shown)



**Queensland
Government**

**MANAR ROAD
KEY RESOURCE AREA
South Burnett and North Burnett
Regional Councils**

Date: March 2023

Projection: GDA 2020 Zone 56
Datum: GDA 2020

KRA 169

MANTON ROAD KEY RESOURCE AREA – KRA 170

LOCAL GOVERNMENT AREA: Townsville City Council

LOCATION:

The resource is located about 45 kilometres south of Townsville on Manton Quarry Road. The site is about 8 kilometres south west of Woodstock and about 3 kilometres west of the Flinders Highway at Calcium (see map KRA 170).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

Though the two major rock types extracted from the site are marble and andesite, results of drilling from other parts of the resource area shows the presence of mixed resources of marble, andesite, rhyolite, granite, and diorite. The depth and spatial extent of the resource is not fully explored at this stage.

Material test work results demonstrated that the unweathered rock types are of high strength, hardness and durability and are suitable for use in concrete and sealing aggregates.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of road base and concrete aggregates to the Townsville City Council and nearby areas for many years. The existing quarry operation has the capacity to produce 5% or greater of the annual demand of the region.

The resource meets the KRA criteria in terms of its size and production capacity and ability to supply to more than one significant market area of the region.

SEPARATION AREA:

A separation area of 1000 metres has been applied as the surrounding land is generally lower than the higher parts of the resource.

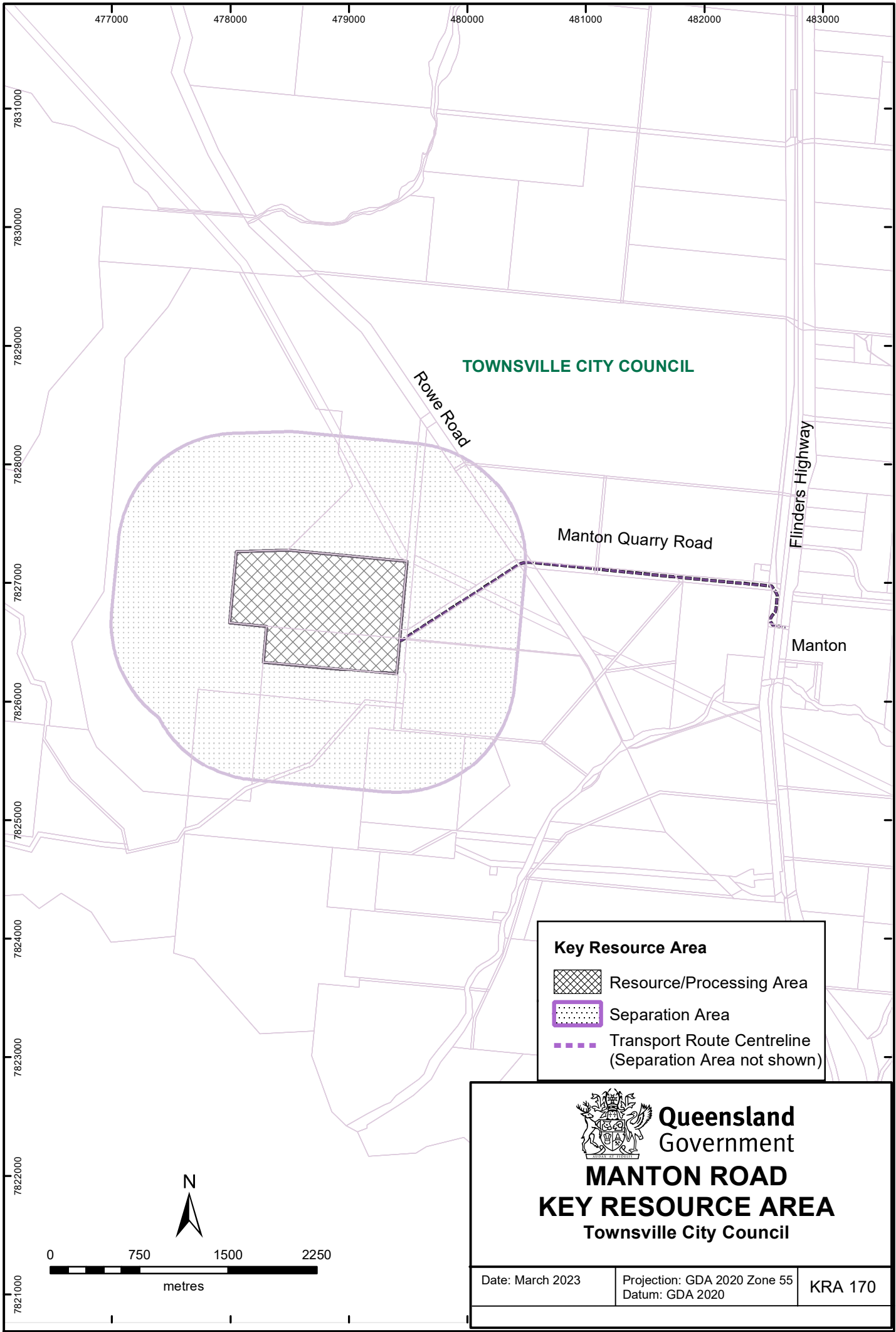
TRANSPORT ROUTE:

The materials are transported from the site via Manton Quarry Road, an unsealed road, for about 3 kilometres, which joins the Flinders Highway at Calcium.

SPECIAL CONSIDERATIONS:

The resource area of the KRA is covered by A1 (Crop land – broadacre and horticulture) and B (Limited crop land) of the Agricultural Land Classification (ALC) within the Agriculture state interest of the State Planning Policy.

Some parts of the resource areas contain “of least concern” vegetation (RE 11.11.15b/11.3.35).



TOWNSVILLE CITY COUNCIL




Rowe Road

Manton Quarry Road

Flinders Highway

Manton

Key Resource Area

-  Resource/Processing Area
-  Separation Area
-  Transport Route Centreline (Separation Area not shown)

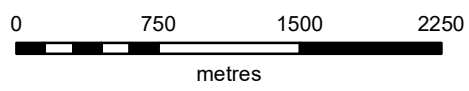


**Queensland
Government**

**MANTON ROAD
KEY RESOURCE AREA**

Townsville City Council

Date: March 2023	Projection: GDA 2020 Zone 55 Datum: GDA 2020	KRA 170
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MCERLEAN ROAD KEY RESOURCE AREA – KRA 171

LOCAL GOVERNMENT AREA: Lockyer Valley Regional Council

LOCATION:

The resource is located along the McErlean Road, about three kilometres northeast to the township of Helidon (see map KRA 171).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The rock type at the site comprises of Helidon Sandstone, which is a member of the Woogaroo Subgroup of the Bundamba Group. The thickness of Helidon Sandstone in the area is significant and drilling at the existing pit confirmed relatively flat, massively bedded sandstone sequence in different colours and composition of about 73 metres thick.

Lockyer Valley Regional Council has approved a quarry within the site in 2007. Material test work results demonstrated that the manufactured sand is suitable for use in concrete and asphalt. The unweathered rock is suitable for roadbase and fill materials, decorative aggregates, retaining walls, gabion, and flood rock.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of concrete and asphalt sand, road base and other products to the Lockyer Valley Council, Toowoomba Regional Council and nearby areas of Ipswich & Brisbane for many years.

The resource meets the KRA criteria in terms of its size and production capacity and ability to supply to more than one significant market area of the region.

SEPARATION AREA:

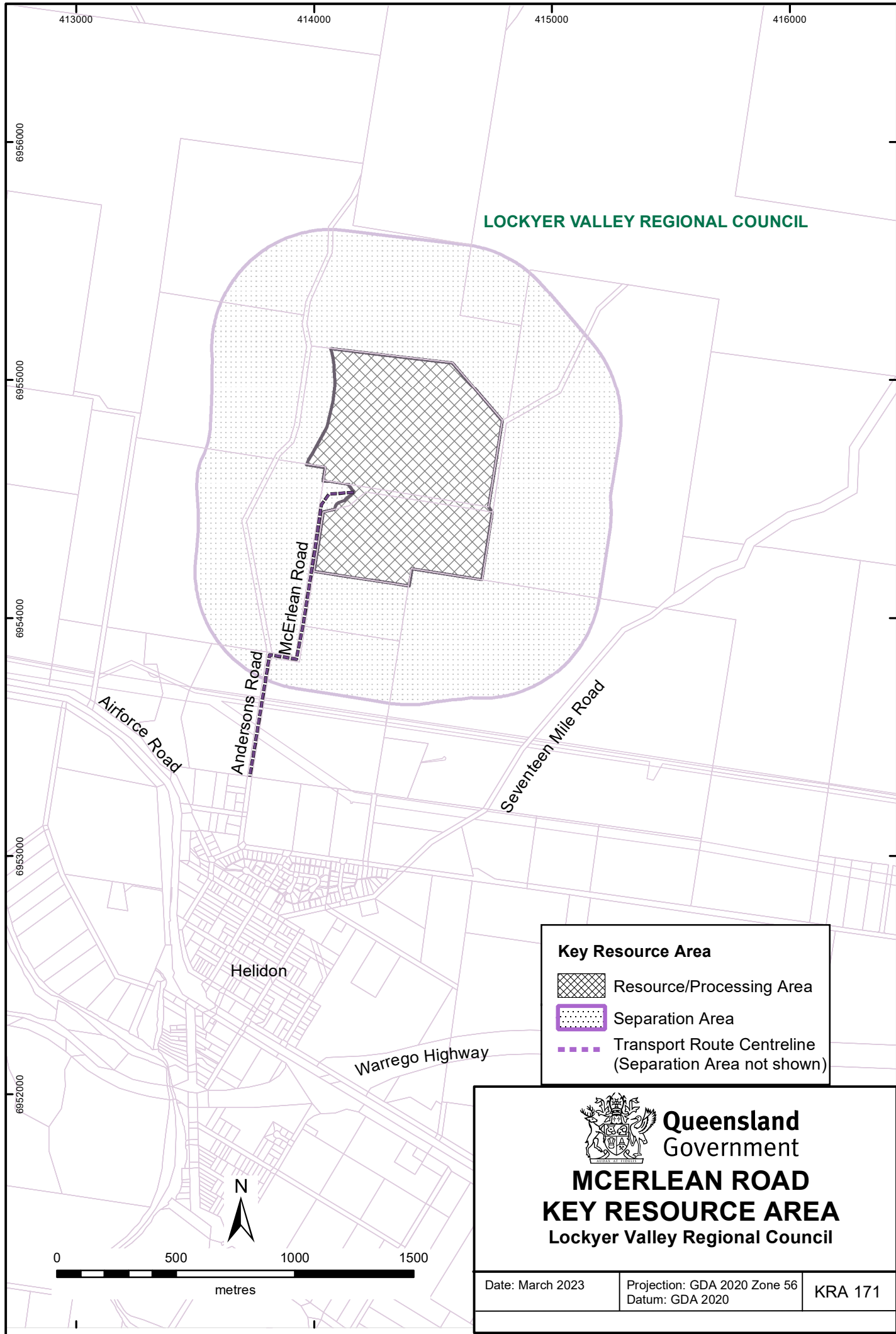
A separation distance of 500 metres has been applied, as the extraction involves occasional blasting.

TRANSPORT ROUTE:

The materials are currently transported from the site onto McErlean Road, then south to Anderson Road, through Helidon township to Warrego Highway, which is the Council approved route. This transport route will change with the building of Inland Rail where the proposed access to McErlean Road and other quarries on Seventeen Mile Road will be via a new, as yet unnamed road and overpass to Airforce Road and then through Helidon township to the Warrego Highway.




SPECIAL CONSIDERATIONS:

Some parts of the separation area contain “endangered dominant” (RE 12.3.3) and “of concern sub-dominant” vegetations (RE 12.3.7/12.3.2).



LOCKYER VALLEY REGIONAL COUNCIL

Key Resource Area

-  Resource/Processing Area
-  Separation Area
-  Transport Route Centreline (Separation Area not shown)



**Queensland
Government**

**MCERLEAN ROAD
KEY RESOURCE AREA
Lockyer Valley Regional Council**

Date: March 2023

Projection: GDA 2020 Zone 56
Datum: GDA 2020

KRA 171

WARRILL VIEW SILVERDALE KEY RESOURCE AREA – KRA 172

LOCAL GOVERNMENT AREA: Scenic Rim Regional Council

LOCATION:

The resource is located west of the Cunningham Highway about 6 kilometres north west of Kalbar, about 8 kilometres south west of Warrill View and about 35 kilometres south west of Ipswich (see map KRA 172).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The main rock at the site consists of massive, hard, durable and variably weathered trachyte. Minor occurrence of basalt and meta-sediments have also been reported.

Scenic Rim Regional Council approved a quarry within the northern resource area in August 2019. Material test work results confirmed that the unweathered rock is of high strength, hardness and durability and will be suitable for use as concrete, asphalt and sealing aggregates.

SIGNIFICANCE:

The resource is well placed to supply the expansion of urban development in the South East Queensland Regional Plan Area. The resource is capable of meeting the demand for the Ipswich and Scenic Rim regions for many years.

The resource is suitable for most types of construction aggregate and capable of producing rip rap and unbound pavement materials.

The resource meets the KRA criteria in terms of its size and production capacity and ability to supply to more than one significant market area of the region.

SEPARATION AREA:

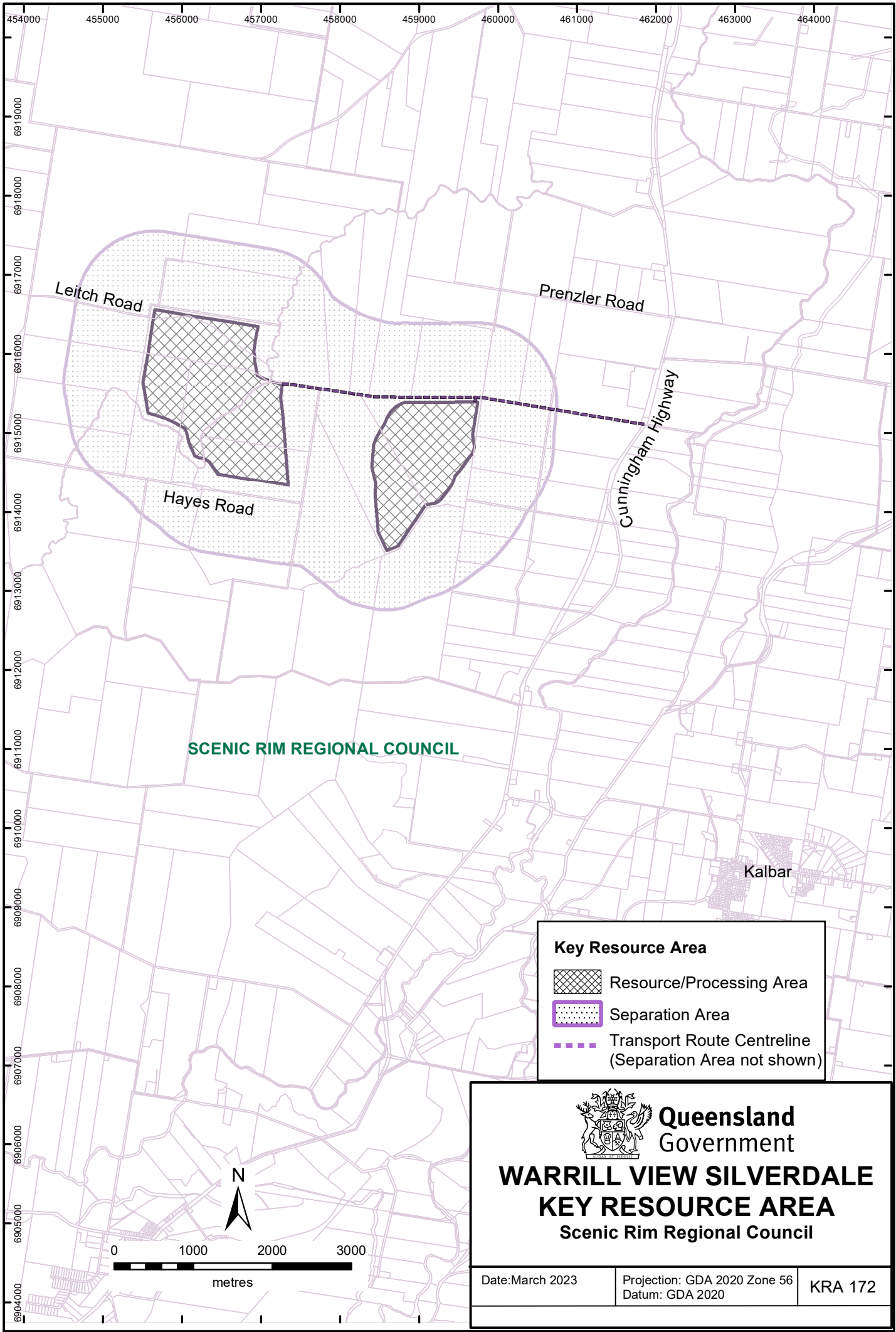
A separation distance of 1000 metres has been applied mostly around the resource area as the surrounding areas are lower than the resource area. The south east side has a reduced 750 metres separation distance as this side is screened by a ridge.

TRANSPORT ROUTE:




The materials are transported from the site via an unformed unnamed road onto the Cunningham Highway. The Council has set a condition to construct this road to an asphalt seal standard before commencing the quarry operation.

SPECIAL CONSIDERATIONS:

Some parts of the resource area contain “of least concern” (RE 12.8.17/12.8.9/12.3.7) vegetations.



Key Resource Area

-  Resource/Processing Area
-  Separation Area
-  Transport Route Centreline (Separation Area not shown)



**Queensland
Government**

**WARRILL VIEW SILVERDALE
KEY RESOURCE AREA**

Scenic Rim Regional Council

Date: March 2023	Projection: GDA 2020 Zone 56 Datum: GDA 2020	KRA 172
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WONGI KEY RESOURCE AREA – KRA 173

LOCAL GOVERNMENT AREA: Bundaberg Regional Council

LOCATION:

The resource is located within the northern portion of the Wongi State Forest, about 15 kilometres south east of Childers and about 50 kilometres south of Bundaberg (see map KRA 173).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The resource area consists of diorite porphyry that lies within part of a very large igneous intrusive mass. The rock is distinctively dark grey-white speckled and has medium to coarse grained texture.

Material test work results demonstrated that the unweathered rock types are of high strength, hardness and durability and are suitable for use in concrete, road base, rail ballast, rip rap and sealing aggregates.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of extractive materials to the Bundaberg Regional Council and nearby areas for many years.

The resource meets the KRA criteria in terms of its size and ability to supply to more than one significant market area of the region.

SEPARATION AREA:

A separation area of 1000 metres has been applied as the surrounding land has a low to medium topography. This is contained within the State Forest.

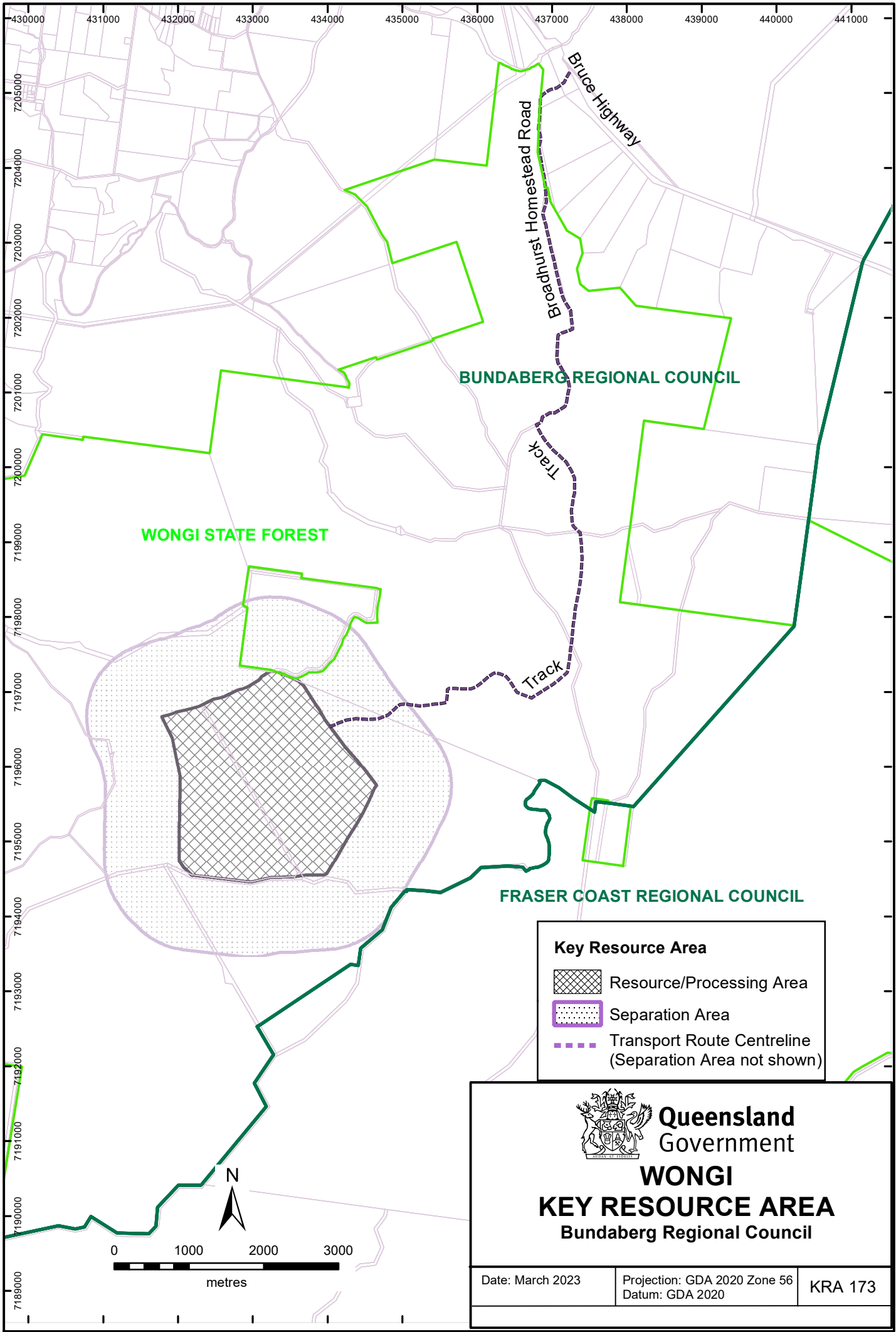
TRANSPORT ROUTE:

A suitable road needs to be established within the forestry land to reach the Broadhurst Homestead Road which joins the Bruce Highway. The intersection with the Highway needs upgrading depending on the scale of production from the site.




SPECIAL CONSIDERATIONS:


A small part of the resource area of the KRA is covered by A1 (Crop land – broadacre and horticulture) of the Agricultural Land Classification (ALC) within the Agriculture state interest of the State Planning Policy.

The resource area is mostly covered by “of concern subdominant” vegetation (RE 12.12.5/12.12.28/12.12.25/12.5.4/12.9-10/12.3.11/12.9-10.21) and a very small area covered by “of concern dominant” (RE 12.3.11) and “least concern” vegetations (RE 12.3.7).



Key Resource Area

-  Resource/Processing Area
-  Separation Area
-  Transport Route Centreline (Separation Area not shown)

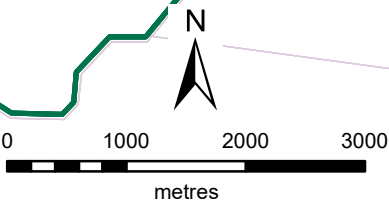


**Queensland
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**WONGI
KEY RESOURCE AREA**

Bundaberg Regional Council

Date: March 2023	Projection: GDA 2020 Zone 56 Datum: GDA 2020	KRA 173
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WATALGAN KEY RESOURCE AREA – KRA 174

LOCAL GOVERNMENT AREA: Bundaberg Regional Council

LOCATION:

The resource is located within the Watalgan State Forest, west of the Bundaberg-Rosedale road, about 7 kilometres west from Yandaran and about 35 kilometres north-west of Bundaberg (see map KRA 174).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The main rock type at the resource area consists of hard and durable rhyolite rock. In places, trachyandesite and felsite also occur. The rock is non-porous and has porphyritic and fine-grained texture.

Material test work results demonstrated that the unweathered rock types are of high strength, hardness and durability and are suitable for use in concrete, asphalt, sealing aggregate and rail ballast.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of extractive materials to the Bundaberg Regional Council and nearby areas for many years.

The resource meets the KRA criteria in terms of its size and ability to supply to more than one significant market area of the region.

SEPARATION AREA:

A separation distance of 750 metres has been applied as the resource area is surrounded by ridges with medium topography.

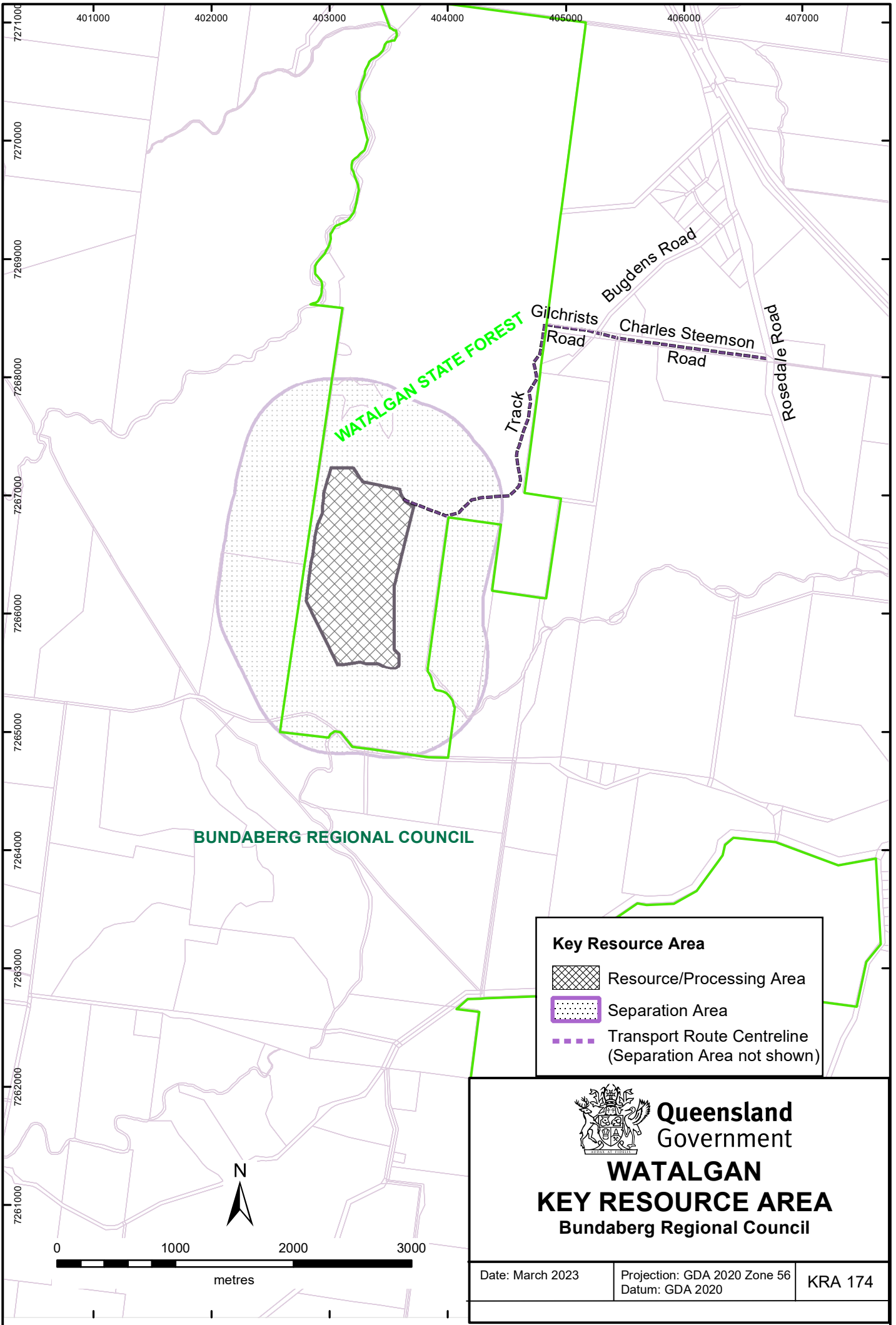
TRANSPORT ROUTE:

A suitable road needs to be established by upgrading the proposed track from the site to reach the Gilchrists Road, then onto Charles Steemson Road to join the Rosedale Road.




SPECIAL CONSIDERATIONS:


Some parts of the resource area of the KRA are covered by B (Limited crop land) of the Agricultural Land Classification (ALC) within the Agriculture state interest of the State Planning Policy.

The resource area is covered by “of concern subdominant” vegetation (RE 12.5.7/12.3.11/12.5.1).



Key Resource Area

-  Resource/Processing Area
-  Separation Area
-  Transport Route Centreline (Separation Area not shown)



**Queensland
Government**

**WATALGAN
KEY RESOURCE AREA**

Bundaberg Regional Council

Date: March 2023	Projection: GDA 2020 Zone 56 Datum: GDA 2020	KRA 174
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