

KRA Reports and Maps

Key Resource Area reports and maps 161 to 167

July 2021

HUSTONS ROAD KEY RESOURCE AREA – KRA 161

LOCAL GOVERNMENT AREA: Western Downs Regional Council

LOCATION:

The resource is located at the eastern end of Hustons Road which intersects the Dalby-Jandowae Road five kilometres to the west of the site and is approximately 12 kilometres north of Dalby (see map KRA 161).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The resource consists of Tertiary basalt which contains two currently identified tuffaceous layers. The main western resource area is covered with a thickness of 2 to 5 metres of extremely weathered material which then transitions quickly into slightly weathered to unweathered columnar basalt. The columnar basalt has several clay layers within it, which are thought to be remnant tuffaceous layers. The eastern resource area is heterogeneous in nature with highly variable 2 to 7 metres thick black clay intersected in the drill holes. It is unknown at this stage if additional basalt exists below this clay.

Currently a quarry is operating at this site producing road base and crushed aggregates.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of road base and screenings to the Western Downs and Toowoomba Regional Council areas for many years. The boundary of the resource is not fully explored and good quality rock may extend outside the current approved area, especially to the south-west of the current site boundary.

SEPARATION AREA:

The separation boundary is set at the full 1000 metres from the resource boundary as the surrounding areas are mostly lower than the resource area, and are zoned as Rural.

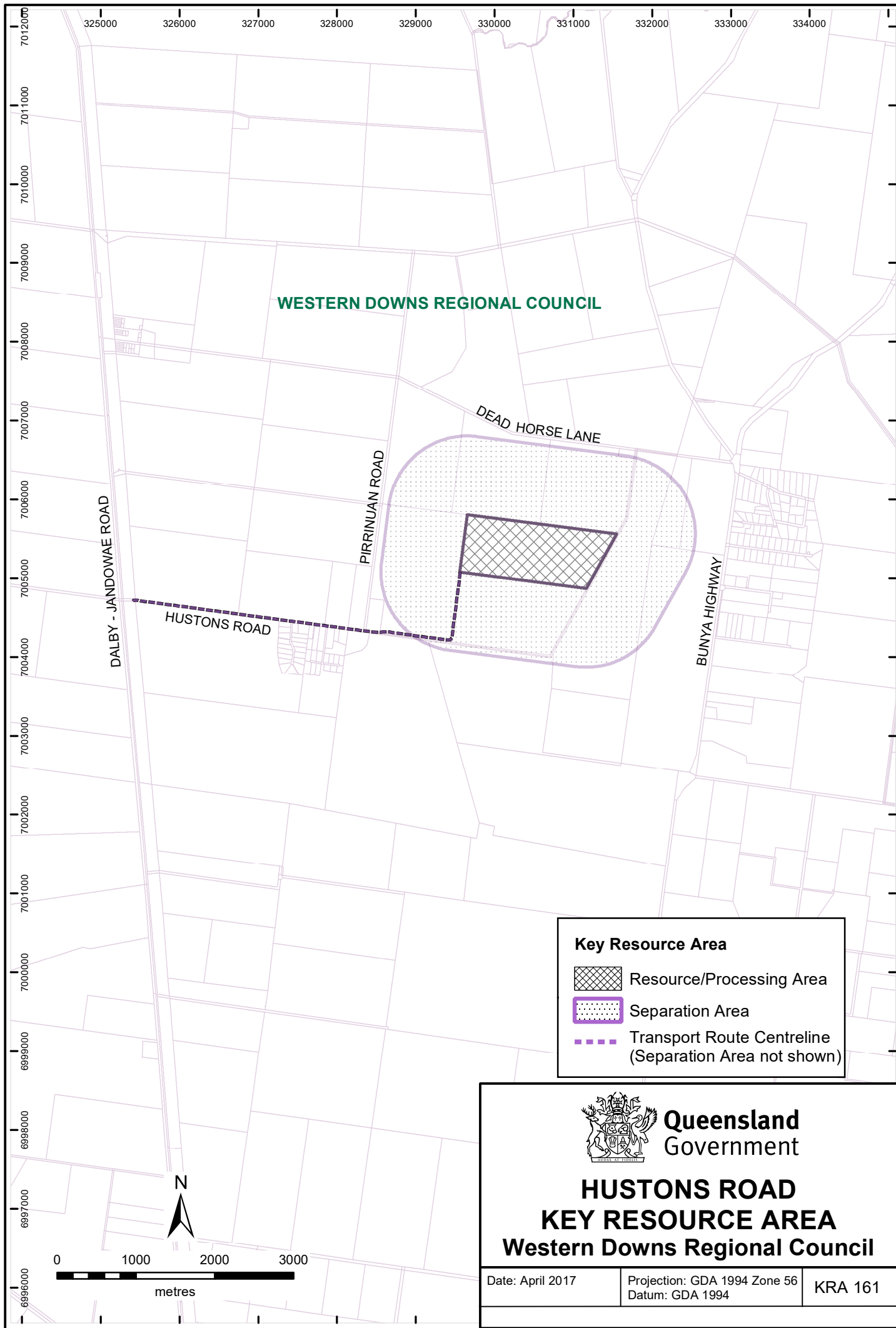
TRANSPORT ROUTE:

The materials are transported along Hustons Road on to Dalby-Jandowae Road.

SPECIAL CONSIDERATIONS:




Some parts of the separation area and a portion of the resource/processing area are covered by Strategic Cropping Land (SCL) Trigger Mapping under the *Regional Planning Interest Act 2014*. This indicates the location of potential SCL and further on-ground assessment against the SCL criteria is required to confirm whether or not SCL exists.


A small part of the resource area contains ‘of concern’ vegetation pursuant to the *Vegetation Management Act 1999*.



WESTERN DOWNS REGIONAL COUNCIL

Key Resource Area

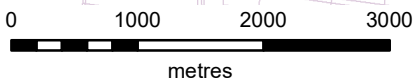
-  Resource/Processing Area
-  Separation Area
-  Transport Route Centreline (Separation Area not shown)



**Queensland
Government**

**HUSTONS ROAD
KEY RESOURCE AREA
Western Downs Regional Council**

Date: April 2017	Projection: GDA 1994 Zone 56 Datum: GDA 1994	KRA 161
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EUDLO CREEK KEY RESOURCE AREA – KRA 162

LOCAL GOVERNMENT AREA: Sunshine Coast Regional Council

LOCATION:

The resource is located on the floodplains of the Maroochy River adjacent to Eudlo Creek on the Eudlo Flats road, approximately 7 kilometres west of Maroochydore and 7 kilometres south-east of Nambour townships (see map KRA 162).

EXTRACTIVE RESOURCE: Sand

EXTRACTIVE RESOURCE DESCRIPTION:

The main sand resource features rapid lateral variations of thickness reaching 10 metres in places. It is underlain by sandstone rich formations of both the Landsborough Sandstone and the Woogaroo Sub Group. Thin residual soil profiles of thickness ranging from 200 to 500mm underlain by fine sandy clay of variable thickness between 0.3 to 5 metres overlies the sand resource at several areas. The sand is suitable for use as fine aggregate in construction and also as filter, mortar and bio-retention sand.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of good quality sand to the Sunshine Coast and surrounding areas for many years. Its location close to major urban areas is also significant.

SEPARATION AREA:

The separation boundary is set at the full 200 metres from the resource boundary for most of the areas except for a small portion along the south-east where the separation boundary is aligned with the old Maroochydore Road. The separation area mostly covers rural land.

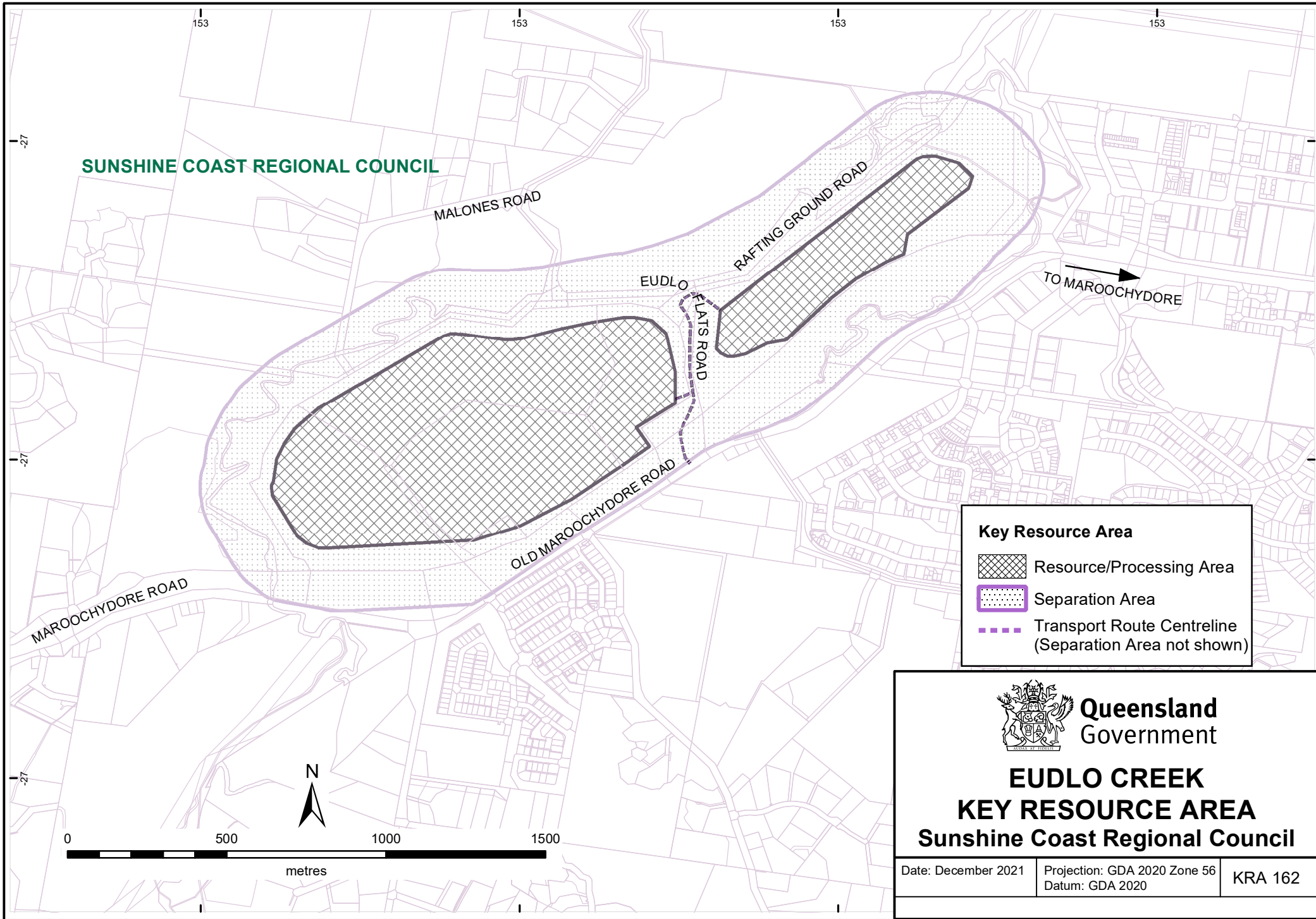
TRANSPORT ROUTE:

The materials are to be transported along Eudlo Flats Road and up to Old Maroochydore Road.




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.

SUNSHINE COAST REGIONAL COUNCIL



Key Resource Area

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



**Queensland
Government**

**EUDLO CREEK
KEY RESOURCE AREA
Sunshine Coast Regional Council**

Date: December 2021	Projection: GDA 2020 Zone 56 Datum: GDA 2020	KRA 162
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CAPTAINS MOUNTAIN KEY RESOURCE AREA – KRA 163

LOCAL GOVERNMENT AREA: Toowoomba Regional Council

LOCATION:

The resource is located along Blackwell Road, about 10 kilometres south-west of Millmerran, and 100 kilometres south-west of Toowoomba townships (see map KRA 163).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The resource comprises of high quality Tertiary basalt found as a ridge capping flow and associated colluvial scree slopes. The basalt rock is underlain by sedimentary rocks of the Kumbarilla Beds. The rock exhibits dominant columnar jointing and associated sub-horizontal planar joints. At some places basalt becomes glassy. Sandstone found adjacent to the ridge slopes is won primarily to be used for blending with basalt at the site to produce a wide range of products.

A private quarry is currently operating at the site. Two abandoned quarries were formerly used by government agencies for roadworks in the region. The resource boundary is not fully explored at this stage. It may extend further eastward within the forest land (Domville State Forest).

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of good quality rock to the Toowoomba, Goondiwindi and surrounding areas for many years.

SEPARATION AREA:

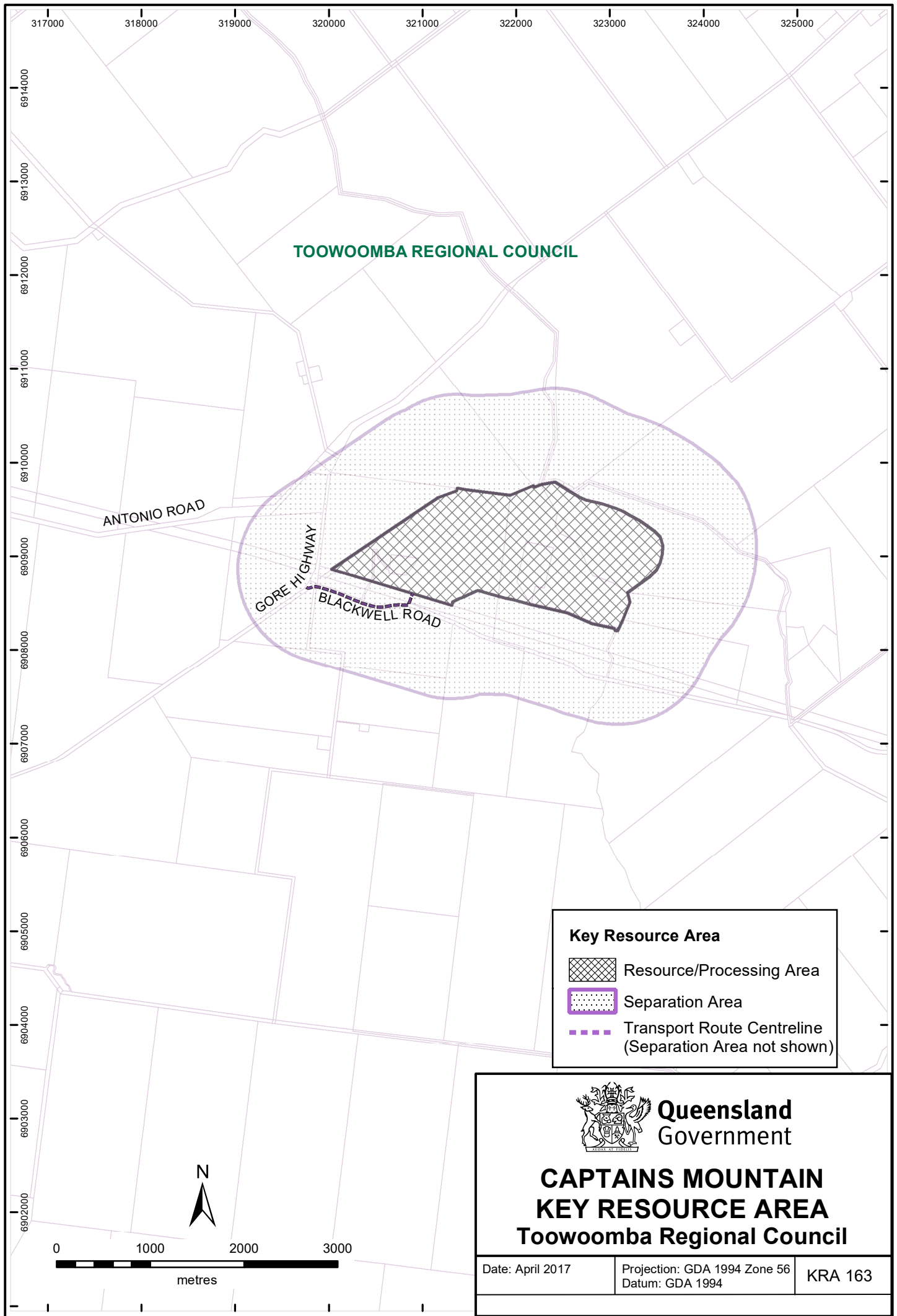
The separation boundary is set at the full 1000 metres from the resource boundary for the whole area.

TRANSPORT ROUTE:

The materials are to be transported westward along the Blackwell Road to reach the Gore Highway.

SPECIAL CONSIDERATIONS:

A small part of the resource and separation areas is covered by Strategic Cropping Land (SCL) Trigger Mapping pursuant to the *Regional Planning Interest Act 2014*. This indicates the location of potential SCL and further on-ground assessment against the SCL criteria is required to confirm whether or not SCL exists.






TOOWOOMBA REGIONAL COUNCIL

ANTONIO ROAD

GORE HIGHWAY

BLACKWELL ROAD

Key Resource Area

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



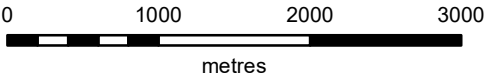
**Queensland
Government**

**CAPTAINS MOUNTAIN
KEY RESOURCE AREA
Toowoomba Regional Council**

Date: April 2017

Projection: GDA 1994 Zone 56
Datum: GDA 1994

KRA 163



YERRA ROAD KEY RESOURCE AREA – KRA 164

LOCAL GOVERNMENT AREA: Fraser Coast Regional Council

LOCATION:

The resource is located about 1 kilometre north of the townships of Yerra, 18 kilometres south-west of Maryborough and about 6.5 kilometres south of the intersection of Maryborough-Biggenden Road with Yerra Road (see map KRA 164).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The resource forms part of the Late Jurassic to Early Cretaceous Graham Creek Formation. Petrographic study indicates the rock type as trachy andesite/rhyodacite material. Though the rock contains calcite mineral, it has been tested and found suitable for use as aggregate and road base material.

A quarry is currently operating at the site.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of rock products to Maryborough, Hervey Bay and western parts of the Fraser Coast region for many years.

SEPARATION AREA:

The separation boundary is set at varying distances from the resource boundary based on topography for most of the surrounding area. A separation area of about 500 metres is considered to the west and east of the resource area.

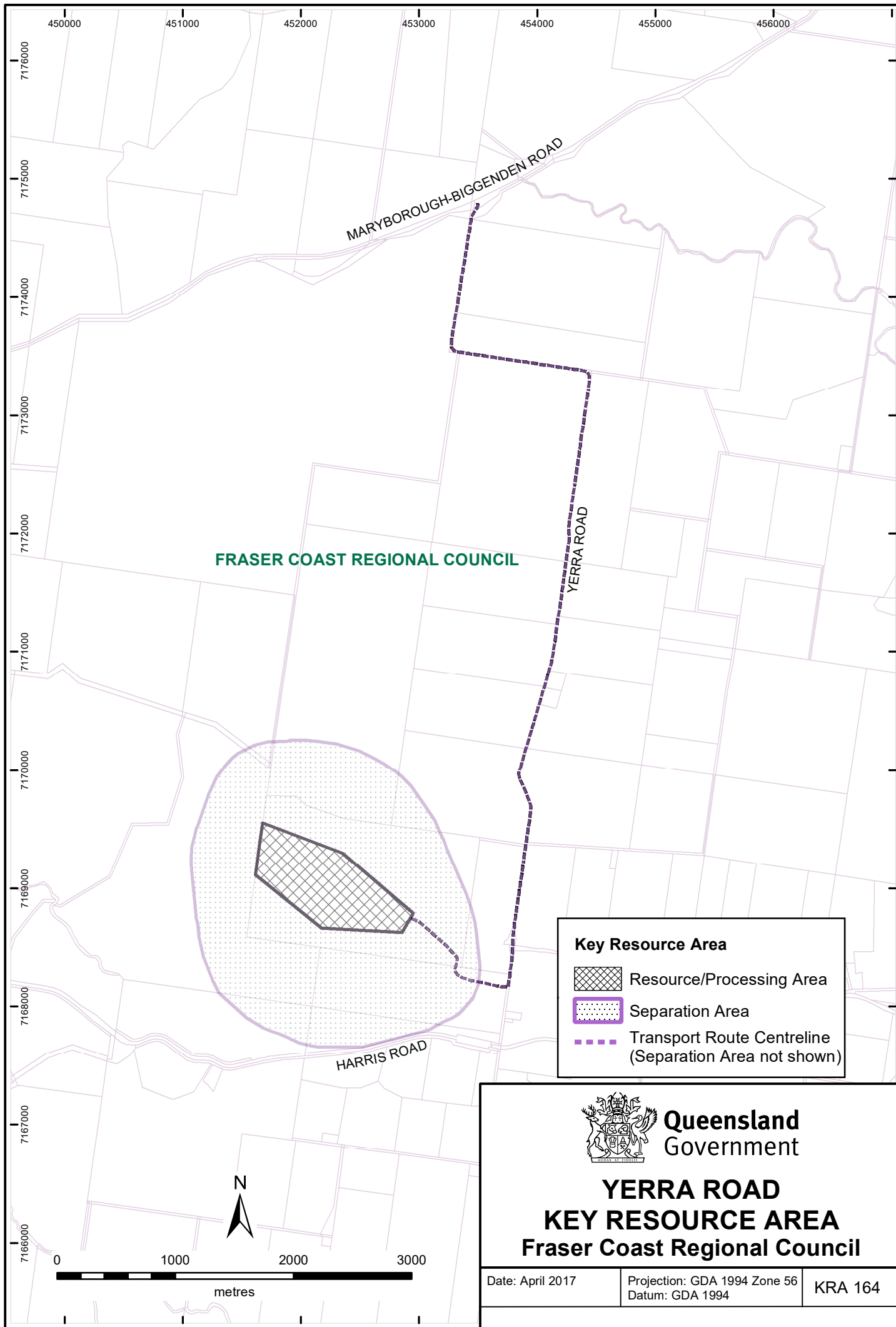
TRANSPORT ROUTE:

The materials are to be transported along a private road onto the Yerra Road leading to the north to reach the Maryborough-Biggenden Road.

SPECIAL CONSIDERATIONS:

A small part of the separation areas is covered by Strategic Cropping Land (SCL) Trigger Mapping pursuant to the *Regional Planning Interest Act 2014*. This indicates the location of potential SCL and further on-ground assessment against the SCL criteria is required to confirm whether or not SCL exists.

Some parts of the resource area contain ‘of concern’ vegetation and a very small part contains ‘endangered’ vegetation, pursuant to the *Vegetation Management Act 1999*.






FRASER COAST REGIONAL COUNCIL

MARYBOROUGH-BIGGENDEN ROAD

YERRA ROAD

HARRIS ROAD

Key Resource Area

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



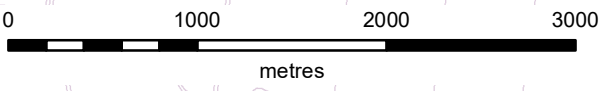
**Queensland
Government**

**YERRA ROAD
KEY RESOURCE AREA
Fraser Coast Regional Council**

Date: April 2017

Projection: GDA 1994 Zone 56
Datum: GDA 1994

KRA 164



WARRAWEE SAND KEY RESOURCE AREA – KRA 165

LOCAL GOVERNMENT AREA: Western Downs Regional Council

LOCATION:

The resource is located on Paradise Road, adjacent to Dogwood Creek , approximately 8 kilometres north of Condamine and 19 kilometres south of Miles townships (see map KRA 165).

EXTRACTIVE RESOURCE: Sand

EXTRACTIVE RESOURCE DESCRIPTION:

The resource site is generally covered by a thin and poorly developed veneer of residual soils that have been transported to the site via the Dogwood and Condamine river systems. The thin soil cover overlies an alluvial sand deposit which lies on top of a ferricrete band. Below that extremely weathered soft and friable sandstone of considerable thickness exists.

A quarry currently operates at the site. The resource boundary is not fully defined at this stage, as a significant amount of resources is likely to exist outside the approved quarry resource area. The majority of the extracted sand has been used as bedding and fill sand in the gas fields. If washing and processing facilities are installed, this resource could be further processed and used as fine aggregate in concrete.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of material to the Western Downs Regional Council areas and surroundings for many years. Its location close to the Leichhardt, Condamine and Warrego Highways and the major CSG development areas is also significant.

SEPARATION AREA:

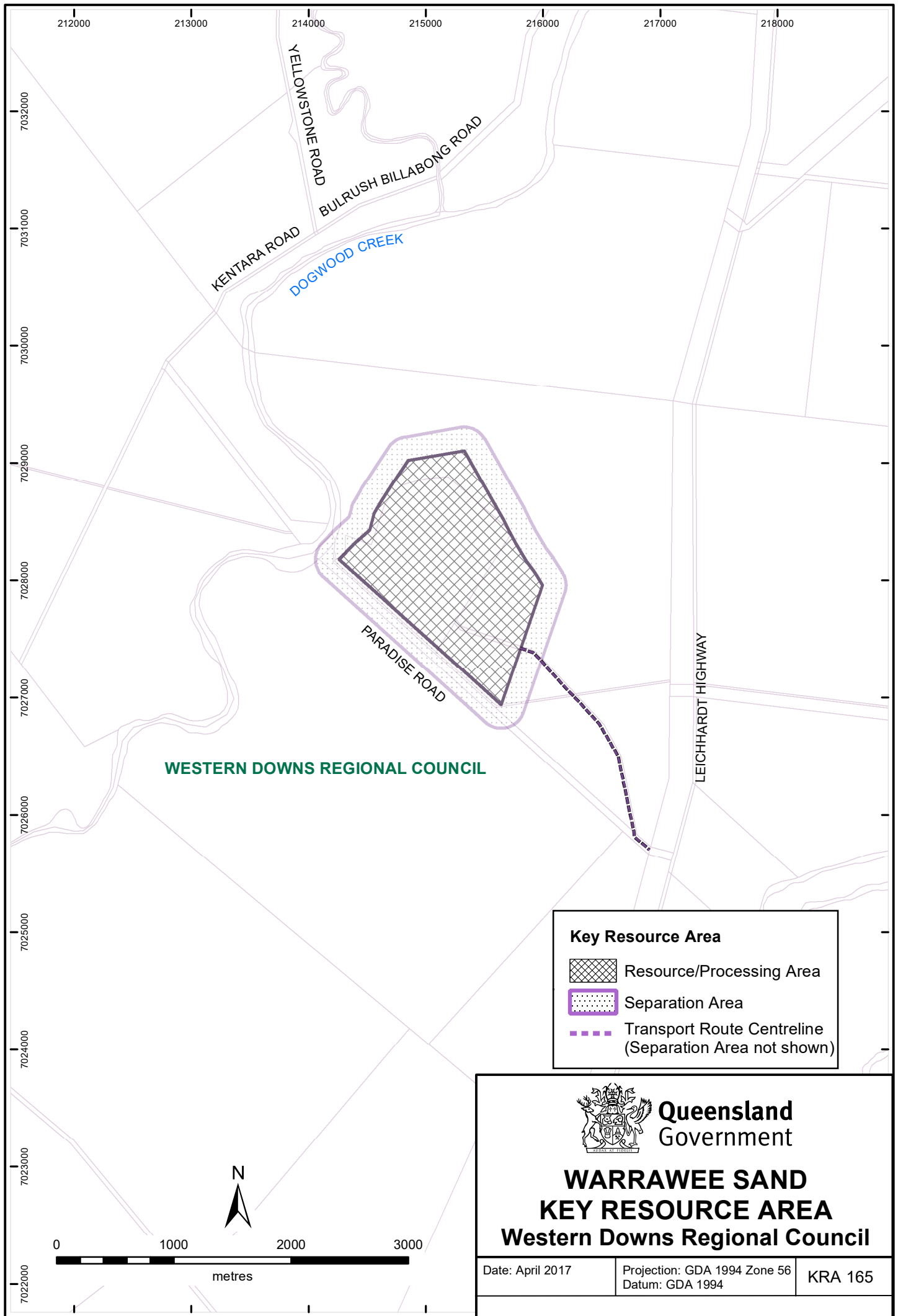
The separation boundary is set at the full 200 metres from the resource boundary. The inner separation boundary is defined with a setback of 50 metres each from Dogwood Creek and Paradise Road.

TRANSPORT ROUTE:

The materials are to be transported along Paradise Road on to the Leichhardt Highway towards Condamine or Miles.




SPECIAL CONSIDERATIONS:


A small part of the separation area is covered by Strategic Cropping Land (SCL) Trigger Mapping pursuant to the *Regional Planning Interest Act 2014*. This indicates the location of potential SCL and further on-ground assessment against the SCL criteria is required to confirm whether or not SCL exists.



WESTERN DOWNS REGIONAL COUNCIL

Key Resource Area

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



**Queensland
Government**

**WARRAWEE SAND
KEY RESOURCE AREA**

Western Downs Regional Council

Date: April 2017	Projection: GDA 1994 Zone 56 Datum: GDA 1994	KRA 165
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BUTCHER'S HILL KEY RESOURCE AREA – KRA 166

LOCAL GOVERNMENT AREA: Cook Shire Council

LOCATION:

The resource is located about 2 kilometres north of Lakeland Downs and 55 kilometres south-west of Cooktown, adjacent to the Mulligan Highway (see map KRA 166).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The regional geology of the area is dominated by the Middle Devonian-Lower Carboniferous Hodgkinson Formation comprising micaceous greywacke, slate, chert and basic volcanics. The Butchers Hill area is characterised by extensive occurrences of Tertiary McLean basalt.

Currently a quarry is operating at this site producing road base and crushed aggregates from the basalt. Some blending with material from the adjacent Hodgkinson Formation is carried out to produce graded road base. The quarry and surrounding resource area is confined to a shallow south-facing depression.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of road base and screenings to the Cape York areas for many years. The site is conveniently located to support infrastructure developments in a remote area where no other major developed resources of good quality are available.

SEPARATION AREA:

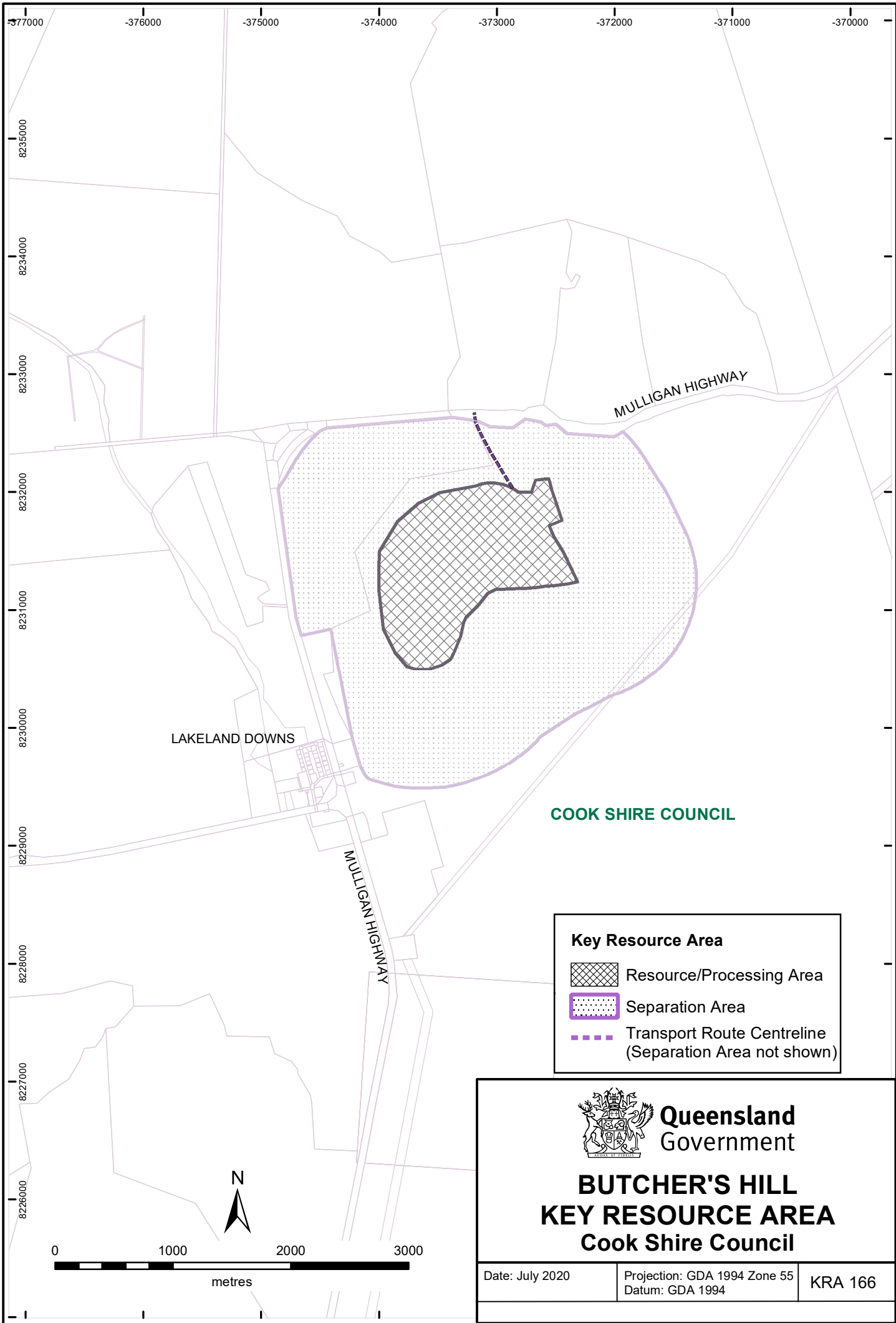
The separation boundary in the south and eastern quarters is set at the full 1000m from the resource boundary as the surrounding areas are mostly lower than the resource area, and are zoned as Rural. The south-west area has been shortened to exclude the areas zoned as village and community uses in the Cook Shire Council Planning Scheme. This section is separated by a low ridge from the resource area. The western and northern sectors are limited by the Mulligan Highway. The land rises slightly to the north and west of the resource area so that future quarry operations could be located lower than the surrounding land. However there remains a minimum of 700 metres separation to the highway.

TRANSPORT ROUTE:

The materials are transported northward along a private road entering the Mulligan Highway four kilometres eastwards from Lakeland Downs

SPECIAL CONSIDERATIONS:

A very small part on the southern side of the resource area contains 'of concern' vegetation and a watercourse of State Environmental Significance.






MULLIGAN HIGHWAY

LAKELAND DOWNS

COOK SHIRE COUNCIL

MULLIGAN HIGHWAY

Key Resource Area

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



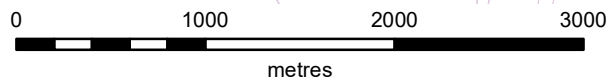
**Queensland
Government**

**BUTCHER'S HILL
KEY RESOURCE AREA
Cook Shire Council**

Date: July 2020

Projection: GDA 1994 Zone 55
Datum: GDA 1994

KRA 166



HARLIN KEY RESOURCE AREA – KRA 167

LOCAL GOVERNMENT AREA: Somerset Regional Council

LOCATION:

The resource is located at the eastern end of the Sinnamons Lane off the Brisbane Valley Highway, approximately three kilometres south east of the hamlet of Harlin, between the towns of Toogoolawah and Kilcoy (see map KRA 167).

EXTRACTIVE RESOURCE: Quarry Rock

EXTRACTIVE RESOURCE DESCRIPTION:

The resource consists of strong and durable volcanic andesite porphyry occurring as a (probable) sill sandwiched by the Esk Formation of Late Triassic age comprising mainly sedimentary rock types such as conglomerate, sandstone and siltstone with minor tuff. A northwesterly trending ridge controls the location of quarrying which is elevated above the surrounding land, but screened in all but the western direction.

Currently a quarry is operating at this site producing road base and crushed aggregates. An associated stockpiling, washing and screening plant with weighbridge and workshops located west of the river is included in the resource/processing area.

SIGNIFICANCE:

The available resource is capable of supplying considerable quantities of road base and screenings to the Brisbane Valley and Lockyer Valley regions for many years. There is a mixture of weathered conglomerate and fresh rhyolite that makes it feasible to produce specific blends. The boundary of the resource is not fully explored and good quality rocks may extend further outside the owners property boundary.

SEPARATION AREA:

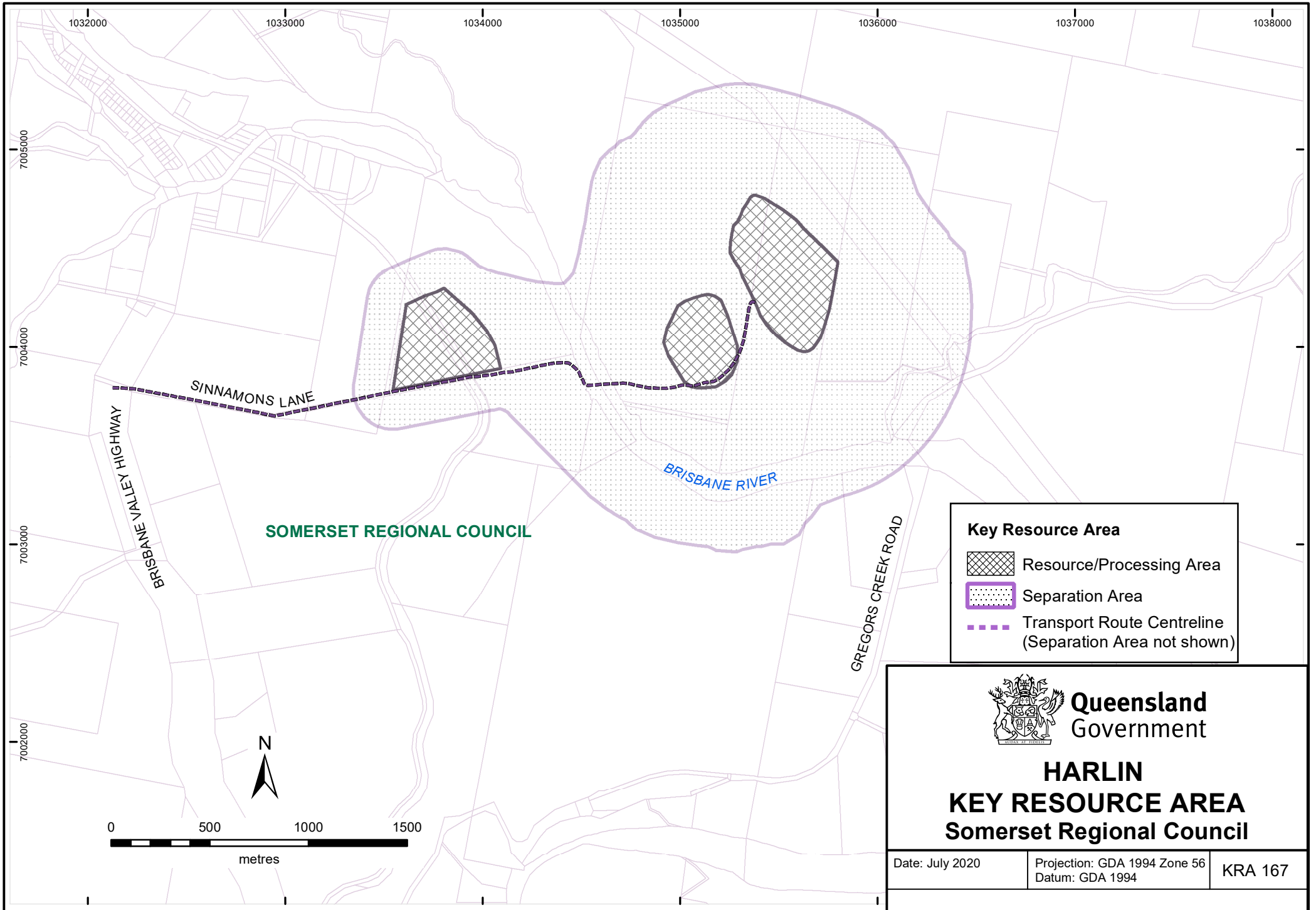
Based on topography, varying distance has been applied to the separation boundary from the resource area ranging from 200m around the stockpiling plant and workshop to a maximum of 875m on the southern side. Screening to the existing operation is provided by hills along the northern side and hence a reduced separation distance is applied to the northern side. High ridges on the south side of the Brisbane River form the southern boundary of the KRA.

TRANSPORT ROUTE:




The materials are transported from the site through an internal site access road crossing the Brisbane River onto Sinnamons Lane, which joins the Brisbane Valley Highway.


SPECIAL CONSIDERATIONS:

Patches of “endangered” vegetation exist within the separation area, whereas some areas of the resource and separation areas contain “of concern” vegetation. Core koala habitat occurs higher on the ridge above the quarry.



Key Resource Area

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



**Queensland
Government**

**HARLIN
KEY RESOURCE AREA
Somerset Regional Council**

Date: July 2020	Projection: GDA 1994 Zone 56 Datum: GDA 1994	KRA 167
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