EPBC Act referral



Note: PDF may contain fields not relevant to your application. These fields will appear blank or unticked. Please disregard these fields.

Title of proposal

2020/8684 - Warrill View Hard Rock Quarry

Section 1

Summary of your proposed action

1.1 Project industry type

Commercial Development

1.2 Provide a detailed description of the proposed action, including all proposed activities

The proposed action involves the establishment of a new extractive industry operation on land at 299 Hayes Road, Silverdale QLD 4307. The project is referred to as the Warrill View Quarry. There are six (6) lots that form part of the proposal, which are properly described as Lot 1 on Registered Plan 51909 and Lots 2, 7, 8, 10 and 18 on Registered Plan 50377.

The proposal includes an east quarry pit and a west quarry pit on the site, which are divided by Warroolaba Creek and associated buffers to this feature. Both pits have been designed to ensure there is a separation of approximately 50 metres to the 1 in 100 year flood event line, which has been determined for the site. The steep topography of the site results in this flood corridor being well contained. In addition, the density and non-porous nature of the material allows the flood corridor to be confined and separated from the proposed operations.

It is intended that operations will initially commence in the east pit with a Mobile Plant, and later replaced by a fixed crushing and screening plant, which will be located in the proposed operations area located at the northern end of the east pit.

The east pit will generally be worked from the northern end in a south-western fashion, however it is likely that a number of quarry faces will be worked at the same time, depending on the different products/materials sought by the market. Stockpiling of material will occur within the nominated operations area, as well as within the active quarry workings, in accordance with operational requirements.

Once a need for the quarry material and/or the operations area associated with the west pit is established, a creek crossing will be installed, as shown on the Proposal Plans. Such infrastructure is not envisaged to be required in the initial phase of the operations. In relation to the future operations area nominated in the north-eastern corner of the west pit, it is expected that processing, screening and stockpiling of material will occur in this location, at later stages of the project. A further fixed processing and screening plant will eventually be required for the west pit operations and the timing for this will be dependent on the operator's requirements and/or a potential joint venture arrangement.

The east pit is expected to have a lifespan of around 30 to 60 years. The west pit commencement, which contains the larger resource deposit on the site will be entirely dependent on market demand, but again as an estimate could commence at any time and add at least another 75 years to the operation. It should be noted that such estimates have also been based on the current drilling campaign for the site, from which it has been acknowledged in the geological assessment to date that the hard rock resource exists at greater depths and that the ultimate depth of this resource is not known.

The operation seeks to realise the full potential of a proven hard rock extractive resource, to supply the local market (including Council, State road and rail construction projects) with essential quarry materials and thereby support and enhance the economic viability of the region. In relation to the quality and consistency of the quarry material, it has been confirmed that the resource will be suitable for the production of all high specification materials including concrete, road making and sealing aggregates, as well as ballast. The Site is considered to be ideally located for a large hard rock quarry operation, given its proximity to the Cunningham Highway. The only Local Government road that will be impacted upon by the access to/from the Site will be a newly constructed two-way sealed road, which is to be constructed by the proponent.

The proposed quarry operations are anticipated to comprise the following basic elements:

- 1. Clearing of vegetation and stripping of topsoil and overburden material via mechanical means (i.e. bulldozer or excavator). Stockpiling topsoil and overburden for later use as; saleable general fill, incorporation into on-site rehabilitation works where required, or use in construction of stormwater controls (e.g. perimeter banks, bunds).
- 2. Drilling and blasting the exposed underlying rock from the developed quarry benches to reduce the material into a manageable size for relocation of the materials to the quarry pit or bench below, ready for transfer to the processing area.
- 3. Transferring raw material from the quarry face or pit floor to the crushing and screening plant / stockpile area using off-road haul truck(s) loaded by an excavator or front-end loader.
 - 4. Crushing and screening the raw material using mobile or fixed crushing and screening plant.
- 5. Stockpiling the final products using a front-end loader and/or off-road haul truck before the material is sold and loaded into road trucks for transportation off-site for use.
 - 6. Rehabilitating disturbed areas progressively once the terminal guarry benches have been established.

The development approval was issued by the Scenic Rim Regional Council ('Council') on 26 August 2019. Detailed assessments of the environmental values of the site were undertaken to inform this application process and approval conditions relating to the clearing of an area of 'Least Concern' Regional Ecosystem and site works to mitigate the clearing impacts of koala habitat were imposed by the State Assessment and Referral Agency ('SARA'). A copy of the development approval, SARA Conditions and the Environmental Authority ('EA') have been uploaded with this referral.

As required by condition L11 of the EA, a Koala Management Plan must be developed for the nominated 'Koala Habitat Protection Area', prior to clearing of any vegetation that supports Koalas. A copy of the Koala Habitat Protection Area Management Plan, prepared by BAAM Ecological Consultants, is included as Attachment 5 of the report titled Assessment of Matters of National Environmental Significance – Warrill View Quarry (BAAM 2020) (uploaded with this referral).

The report titled Assessment of Matters of National Environmental Significance - Warrill View Quarry (BAAM 2020) provides a detailed assessment of Matters of National Environmental Significance ('MNES'). The report outlines the field work undertaken on the site and the findings of these investigations.

1.3 What is the extent and location of your proposed action?

See Appendix B

1.5 Provide a brief physical description of the property on which the proposed action will take place and the location of the proposed action (e.g. proximity to major towns, or for off-shore actions, shortest distance to mainland)

The property occupies six (6) lots that form part of the proposal, which are properly described as Lot 1 on Registered Plan 51909 and Lots 2, 7, 8, 10 and 18 on Registered Plan 50377.

The property includes two steep hills that are proposed to be guarried for their hard rock resources. The project area has an elevation ranging from 72 metres to 250 metres Australian Height Datum ('AHD').

The property is 4.1 kilometres to the west of the Cunningham Highway and approximately 8.5 kilometres to the south-west of the township of Warrill View.

Much of the project area has been historically cleared of native vegetation, with the exception of vegetation towards the top of the large western hill, a narrow band of riparian vegetation associated with Warroolaba Creek and patches of vegetation in the eastern portions of the project area.

1.6 What is the size of the proposed action area development footprint (or work area) including disturbance footprint and avoidance footprint (if relevant)?

The project area is comprised of the following lots:

Lot 2 RP50377 - 62.322 hectares

Lot 7 RP50377 - 93.389 hectares

Lot 8 RP50377 - 77.381 hectares

Lot 10 RP50377 - 86.198 hectares

Lot 18 RP50377 - 83.466 hectares

Lot 1 RP51909 - 36.151 hectares

The total "project area" is 438.907 hectares (excluding the new Council road area)

1.7 Proposed action location

Address - 699 Haves Road, Silverdale, Queensland, 4307, Australia

1.8 Primary jurisdiction

Queensland

1.9 Has the person proposing to take the action received any Australian Government grant funding to undertake this project?



Note. PDF may contain fields not relevant to your application. Triese fields v	viii appear blank or unlicked	J. Please disregard triese fields.
1.10 Is the proposed action subject to local government planning	g approval?	
Yes No 1.10.1 Is there a local government area and council contact for the	ho mranacal?	
Yes No	ne proposar?	
1.10.1.0 Council contact officer details		
1.10.1.1 Name of relevant council contact officer	The Note of	
1.10.1.2 E-mail	Thor Nelson	
1.10.1.3 Telephone Number	thor.n@scenicrim.qld (07) 5540 5435	.gov.au
1.11 Provide an estimated start and estimated end date for the	Start Date	01/12/2020
proposed action	End Date	01/12/2069
1.12 Provide details of the context, planning framework and state	e and/or local Governm	ent requirements
Refer to the response provided to Item 1.2.		
1.13 Describe any public consultation that has been, is being or	will be undertaken, inc	luding with Indigenous stakeholders
The Aboriginal Cultural Heritage Act 2003 requires that a per practical measures to ensure the activity does not harm Aborig no Aboriginal cultural heritage is recorded on the Cultural Herit identified as the cultural heritage party for the area. Initial content through Marrawah Law Pty Ltd. Any objects that may be of cultural significance that are identified as the cultural may be of cultural significance that are identified in accordance with the process to be agreed with the relevant community and government representative to ensure the reporting is undertaken. All employees on-site will be made away.	inal cultural heritage (tage Database and Regact with the Yuggera Utified during the quarry Yuggera Ugarapul Pethat such objects are a	he "cultural heritage duty of care"). While gister, the Yuggera Ugarapul People Are Igarapul People Has commenced operations will be reported to the site ople. The site manager will liaise with ppropriately handled and proper
1.14 Describe any environmental impact assessments that have Territory legislation including relevant impacts of the project An Environmental Assessment Report was prepared for the requirements of the Environmental Protection Act 1994 (Qld) (Econsideration of the Matters of State Environmental Significant by BAAM including an assessment of protected vegetation and location and form of the proposed connectivity planting. DES is regulating potential impacts to Koala habitat, inclusive of the rehas been prepared by BAAM. An assessment of MNES was consignificant impacts to MNES as a result of the proposed actions surveys and MNES impact assessment, refer Attachment 5. 1.15 Is this action part of a staged development (or a component of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposals of the proposed action related to other actions or proposed action related to other actions or proposed action related to other actions or proposed action related to other actions of the proposed action related to other actions of the proposed action related to other a	Environmental Authoric EP Act). SARA issued se ('MSES'). An Ecologic species, recommenders sued the resultant EA equirement to implement to implement to mpleted by BAAM to con. The assessment incompleted some total and the control of the second se	ty application to address the an information request requiring further pical Assessment Report was completed ed site mitigation works and details on the EA0001730 which includes L6 to L13 and the Koala Management Plan, which determine whether there will be any

Section 2				
Matters of national environmental significance				
2.1 Is the proposed action likely to have any direct or indirect impact on the values of any World Heritage properties?				
☐ Yes ☑ No				
2.2 Is the proposed action likely to have any direct or indirect impact on the values of any National Heritage places?				
☐ Yes ☑ No				
2.3 Is the proposed action likely to have any direct or indirect impact on the ecological character of a Ramsar wetland?				
☐ Yes ☑ No				
2.4 Is the proposed action likely to have any direct or indirect impact on the members of any listed species or any threatened ecological community, or their habitat?				
Yes No				
Species or threatened ecological community				

Please refer to the report titled Assessment of Matters of National Environmental Significance – Warrill View Quarry (BAAM

There are no Threatened Ecological Communities within the project area.

2020) for details on the threatened species and potential impacts.

Koala Phascolarctos cinereus are known to occur within the project area.

Grey-headed Flying-fox Pteropus poliocephalus, Greater Glider Petauroides volans, Spotted-tailed Quoll (SE Mainland) Dasyurus maculatus maculatus, Long-nosed Potoroo Potorous tridactylus tridactylus (SE Mainland), Red Goshawk Erythrotriorchis radiatus and Australian Painted Snipe Rostratula australis all have the potential to occur within the project area.

Two migratory bird species, Oriental Cuckoo Cuculus optatus and Rufous Fantail Rhipidura rufifrons, may be occasional visitors to the project area during summer months. However, the project area does not support important habitats for either of these species.

Impact

Please refer to the report titled Assessment of Matters of National Environmental Significance – Warrill View Quarry (BAAM 2020) for details on the threatened species and potential impacts.

In summary, loss of habitat is the direct impact for Koala, Grey-headed flying fox and the Spotted-tailed Quoll. Increased road traffic, particularly along the new road connection from the Cunningham Highway, is a potential indirect impact to Koala, The proponent proposes to mitigate the loss and lessen impacts through redesigning of the quarry footrint, and protecting and enhancing habitats. Migratory species are also discussed in the BAAM (2020) report. BAAM (2020) state that loss of potential habitat for two migratory species will not cause significant impact.

The following extracts from the BAAM (2020) report provided further details regarding impacts:

Vegetation communities in the project area were characterised as providing potential habitat for Koala if they included the following tree species (known to be preferred Koala food tree species in the Scenic Rim district (AKF 2015)) as common or dominant components of the tree canopy: Eucalyptus biturbinata, E. exserta, E. melliodora, E. microcorys, E. moluccana, E.

propinqua and E. tereticornis. E. microcorys and E. tereticornis are recognised as Primary Koala food trees (AKF 2015).

Of these listed preferred Koala food trees, only E. tereticornis was present within the project area. This species was sparsely scattered amongst mature and regrowth E. melanophloia, E. crebra and Corymbia tessellaris on the level to low incline portions of the project area, and were more abundant in gully lines, along the banks of Warroolaba Creek and in the floodplain areas located east of the proposed East Pit area.

The results of a habitat assessment performed in accordance with the EPBC Act referral guidelines for Koala habitat assessment tool (DoE 2014) are summarised in Table 3.1 of the BAAM (2020) report. The total habitat score from this assessment is 8. As this total score is greater than 5, Koala habitat within the project area is recognised as 'habitat critical to the survival of Koala' under the EPBC Act referral guidelines.

Flowering eucalypts throughout the project area, particularly the winter-flowering Eucalyptus tereticornis, provide potential food resources for Grey-headed Flying-fox. Melaleuca species associated with the riparian vegetation alongside Warroolaba Creek also provide potential foraging resources when in flower. Potential habitat for Grey-headed Flying-Fox occupies the same areas as potential habitat mapped for Koala (Figure 3.3 of the BAAM (2020) report).

Potentially suitable habitat for Greater Glider is restricted to the riparian vegetation associated with Warroolaba Creek. These habitats will be retained and protected as part of the proposed quarry development.

Potential shelter sites are present in the large hollow-bearing trees shown on Figure 3.2 of the BAAM (2020) report). The observed large old-growth hollow-bearing trees often had large fallen limbs underneath which also supported hollows (Photo 8 of the BAAM (2020) report).

The narrow band of riparian habitats associated with Warroolaba Creek is the only location within the project area that supports dense ground cover. However, this ground cover has been impacted by stock trampling; therefore, there is only a low potential for this species to be present within the project area.

The narrow band of riparian habitats associated with Warroolaba Creek is the only location within the project area that supports potential habitats for this species.

The north-eastern portions of both the East and west Pits and portions of the Koala Habitat Protection Area (Figure 3.2 of the BAAM (2020) report) occur in floodplains that provides marginal habitats for this species. However, there were no obvious depressions and these areas do not hold water long enough, to provide suitable foraging resources for this species.

ODVI	ous ue	pressions	anu	these areas do not hold water long enough, to provide suitable lonaging resources for this species.
2.4.2	Do you	u consider	this	impact to be significant?
\subseteq	Yes		No	
2.5 ls	•	oposed ac	tion	likely to have any direct or indirect impact on the members of any listed migratory species or their
	Yes	\subseteq	No	
2.6 ls	s the pr	oposed ac	tion	to be undertaken in a marine environment (outside Commonwealth marine areas)?
	Yes	\subseteq	No	
2.7 ls	s the pr	oposed ac	tion	likely to be taken on or near Commonwealth land?
	Yes	\subseteq	No	



2.8 Is the proposed action taking place in the Great Barrier Reef Marine Park?			
☐ Yes ☑ No			
2.9 Is the proposed action likely to have any direct or indirect impact on a water resource from coal seam gas or large coal mining development?			
☐ Yes ☑ No			
2.10 Is the proposed action a nuclear action?			
☐ Yes ☑ No			
2.11 Is the proposed action to be taken by a Commonwealth agency?			
☐ Yes ☑ No			
2.12 Is the proposed action to be undertaken in a Commonwealth Heritage place overseas?			
☐ Yes ☑ No			
2.13 Is the proposed action likely to have any direct or indirect impact on any part of the environment in the Commonwealth marine area?			
☐ Yes ☑ No			

Section 3

Description of the project area

3.1 Describe the flora and fauna relevant to the project area

Details of the flora and fauna relevant to the project area are extensively discussed in the ecological assessments included in the report titled "Response to SARA Information Request" - Warrill View Quarry" (BAAM 2018) and the report titled "Assessment of Matters of National Environmental Significance — Warrill View Quarry" (BAAM 2020). Copies of these reports are attached to this referral.

The following has been extracted from the BAAM (2020) report:

The large western hill (reaching 250 metres above sea level) is partially covered by remnant vegetation over the ridge and southern hillside (Photo 1). This vegetation was confirmed as Regional Ecosystem (RE) 12.8.17. (Eucalyptus melanophloia +/- E. crebra, E. tereticornis, Corymbia tessellaris woodland on Cainozoic igneous rocks). The status and extent of this mapping was ground-truthed and confirmed during initial vegetation studies on the project area.

Remnant vegetation on the higher slopes (Photo 2) tended to display a greater cover of sub-canopy and shrub species, mainly dominated by Alphitonia excelsa and Acacia species, as well as the exotic Lantana camara. Vegetation on the lower slopes (excluding that along Warroolaba Creek) was generally devoid of sub-canopy and shrub vegetation.

Beyond mapped remnant vegetation, the proposed west pit area was characterised by open, cleared pasture with occasional stands of native vegetation. On the higher slopes, this vegetation was generally dominated by Eucalyptus melanophloia with E. crebra and Corymbia tessellaris. On the lower slopes, Eucalyptus tereticornis and Angophora subvelutina were also recorded. The large eastern hill has been cleared for grazing and was largely devoid of vegetation. East of this hill, the project area is covered by regrowth vegetation, which is generally dominated by semi-mature Eucalyptus tereticornis, E. crebra and Corymbia tessellaris (Photo 3). A floodplain in the north-eastern section of the project area featured a higher proportion of large, old Eucalyptus tereticornis (Photo 4).

Grazed lands across the project area provide habitats for Whiptail Wallabies Macropus parryi and Eastern Grey Kangaroo Macropus giganteus, which were observed throughout the project area. Treed areas throughout the project area support feeding, roosting and breeding habitats for locally common rural bird species and arboreal mammals. Scats of Common Brushtail Possum Trichosurus vulpecula and Common Ringtail Possum Pseudocheirus peregrinus and Koala were observed in treed areas. A deceased Sugar Glider Petaurus breviceps was observed caught on barbed-wire fencing.

Fallen debris for ground-dwelling fauna species (reptiles or ground-dwelling mammals) was scattered throughout the project area in association with mature trees. Leaf litter was only present under large, mature trees.

Many termite mounds showed evidence of Short-beaked Echidna Tachyglossus aculeatus (Photo 6).

3.2 Describe the hydrology relevant to the project area (including water flows)

The following has been extracted from the BAAM (2020) report:

Warroolaba Creek crosses the project area and separates the proposed west and east pit areas. A generally narrow strip of riparian vegetation has been retained along this watercourse, which was observed to hold water in some sections during each field investigation (Photos 5 and 6). Evidence of cattle trampling of riparian vegetation was recorded in some locations.

Riparian vegetation associated with Warroolaba Creek in the western portions of the project area was mainly dominated by Melaleuca viminalis, Tristaniopsis laurina and Angophora subvelutina. In the central and northern portion of the project area, this waterway supported some large old-growth Eucalyptus tereticornis.

Smaller ephemeral and largely unvegetated gullies - tributaries to Warroolaba Creek are present within both proposed quarry pit areas. Vegetation recorded at the quaternary assessment sites across the project area is described in Appendix 1, with specific assessment sites indicated on Figure 3.1."

The project area is within the floodplain extent of Warroolaba Creek which traverses the area generally in a north to south direction, dividing the east and west quarry pits. The creek and adjoining land which is generally below 75 metres AHD is identified as being flood prone. In order to suitably manage the flood risk, the 1% Annual Exceedance Probability ('AEP') was modelled for the project area and the quarry footprint was modified to ensure that a buffer distance of 20 to 50 metres is proposed from the edge of the quarry footprint to the modelled catchment extent. Details of the hydraulic modelling completed are included in the Stormwater Management Plan (Groundwork Plus 2017) attached to the referral.

Stags and hollow-bearing trees (Photo 7) were sparsely scattered throughout the project area, particularly near Warroolaba Creek (Figure 3.2). Large hollow-bearing trees were more prevalent in the western portions of the project area, in comparison to the eastern portions.

Koala evidence was found throughout the low-lying portions of the project area (Figure 3.2). Of the trees which supported evidence of Koala use, all but two were Forest Red Gum Eucalyptus tereticornis.

Warroolaba Creek (Photo 5) provides potential habitats for locally common frog species. Low-lying lands near the eastern border of the project area support ephemeral wetlands, which may provide potential breeding habitats for common frog species such as Ornate Burrowing Frog, Platyplectrum ornatum, Spotted Grass Frog Limnodynastes tasmaniensis and Eastern sign-bearing Frog Crinia parinsignifera, dependent on the duration of inundation.

The project area is mapped as containing flood plain areas in accordance with the State mapping which extend up the bed and banks of Warroolaba Creek which traverses the site generally in a north to south direction, dividing the east and west quarry pits. The creek and adjoining land which is generally below 75 metres AHD is identified as being flood prone. In order to suitably manage the flood risk, the 1% Annual Exceedance Probability ('AEP') has been modeled for the Site and the quarry footprint has been modified to ensure that a buffer distance of 20 to 50 metres is proposed from the edge of the quarry footprint to the modelled catchment extent. Hydraulic modelling was undertaken using HEC-RAS (one-dimensional steady flow river hy-draulics modelling software developed by the U.S. Army Corps of Engineers) to obtain the 1 in 100 year ARI flood extents of Warroolaba Creek with a peak discharge of 128m3/s. Details of the hydraulic modelling completed are provided in the Stormwater Management Plan (Groundwork Plus 2018, Doc ref. 1361_610_002) attached to this referral.

3.3 Describe the soil and vegetation characteristics relevant to the project area

The soil type for the local area is generally Grey Dermosol, which is recognised by the soil name of Bremer. Profile morphology for this soil site varied from light clays in the upper A horizon, transitioning to medium clays at depth.

For a description of the vegetation characteristics at the site, please refer to the response provided to Question 3.1.

3.4 Describe any outstanding natural features and/or any other important or unique values relevant to the project area

The project area does not contain any outstanding natural features or other important or unique values.

3.5 Describe the status of native vegetation relevant to the project area

Please refer to the response provided to Question 3.1.

Details of the flora and fauna relevant to the project area are extensively discussed in the ecological assessments included in the report titled "Response to SARA Information Request" - Warrill View Quarry" (BAAM 2018) and the report titled "Assessment of Matters of National Environmental Significance — Warrill View Quarry" (BAAM 2020). Copies of these reports are attached to this referral.

3.6 Describe the gradient (or depth range if action is to be taken in a marine area) relevant to the project area

The project area has an elevation ranging from 72 metres to 250 metres Australian Height Datum ('AHD'). Two large hills (approximately 250 m AHD) and a number of smaller hills dominate the project area. The two large hills form the proposed east and west quarry pit locations, and are separated by Warroolaba Creek.

3.7 Describe the current condition of the environment relevant to the project area

Please refer to the response provided to Question 3.1.

3.8 Describe any Commonwealth Heritage places or other places recognised as having heritage values relevant to the project

There are no known Commonwealth Heritage places or other places recognised as having heritage values in close proximity to the project area.

3.9 Describe any Indigenous heritage values relevant to the project area

The Aboriginal Cultural Heritage Act 2003 requires that a person who carries out an activity must take all reasonable and practical measures to ensure the activity does not harm Aboriginal cultural heritage (the "cultural heritage duty of care"). While no aboriginal cultural heritage is recorded on the Cultural Heritage Database and Register, the Jagera People are identified as the cultural heritage party for the area. Initial contact with the Jagera People has commenced through Jagera Daran Pty Ltd.

Any objects that may be of cultural significance that are identified during the quarry operations will be reported to the site



manager. The site manager will liaise with relevant community and government representative to ensure that such objects are appropriately handled and proper reporting is undertaken. All employees on-site will be made aware of their duty of care requirements in relation to cultural heritage matters.

3.10 Describe the tenure of the action area (e.g. freehold, leasehold) relevant to the project area

The project area is Freehold land, owned by Neilsen Developments Pty Ltd.

3.11 Describe any existing or any proposed uses relevant to the project area

The project area currently supports a residential building and associated sheds, and fenced cattle/horse yards, and is currently stocked with beef cattle and horses. The existing dwelling houses are located on Lot 10 RP 50377 and Lot 1 RP 51909. It is intended to retain both dwellings for use as caretaker's residences. However, the dwelling house on Lot 1 RP 51909, which is located in the far north-western corner of the Site, will ultimately be removed, to facilitate extraction from this area of the west pit.



Section 4

Measures to avoid or reduce impacts

4.1 Describe the measures you will undertake to avoid or reduce impact from your proposed action

The following has been extracted from the BAAM (2020) report. Please refer to the attached report titled "Assessment of Matters of National Environmental Significance – Warrill View Quarry" (BAAM 2020) for details.

East Pit

Following the results of the 2018 field surveys, where Koala evidence and numerous Eucalyptus tereticornis were recorded in an area that was originally planned as a stockpile area, the proposed footprint for the East Pit has been reduced to allow higher value habitats to be retained and protected within a designated Koala Habitat Protection Area (refer Figures 3.1, 3.2). The restoration of this Koala Habitat Protection Area will be guided by a specific Koala Habitat Management Plan (KHMP) for this area (Appendix 5).

West Pit

The 2019 field surveys identified an area of relatively high Koala usage located in the proposed west pit ancillary/operations area. To protect this area and minimise impacts to threatened species, the size of the proposed ancillary/operations area was reduced by 7 ha; thereby retaining an additional 7 ha of Koala habitats.

Prior to commencement of vegetation clearing for the West Pit, fencing will be erected to prevent cattle/horses from entering areas supporting known Koala habitat to the north and east of the west pit. This management strategy will allow regeneration of Koala habitat in enclosed areas; thereby providing an increase in Koala habitat trees within retained areas.

4.2 For matters protected by the EPBC Act that may be affected by the proposed action, describe the proposed environmental outcomes to be achieved

The following has been extracted from the BAAM (2020) report. Please refer to the attached report titled "Assessment of Matters of National Environmental Significance – Warrill View Quarry" (BAAM 2020) for details, including the complete assessment of impacts and outcomes on MNES.

An assessment of the potential for the proposed actions to result in significant impacts on MNES has been undertaken against the Significant Impact Guidelines 1.1 (Commonwealth of Australia 2013) and is provided in full in Appendix 4.

The results of this assessment indicate that the proposed action is unlikely to have a significant impact on MNES, with the exception of loss of Koala habitat, which is considered to be a moderately high risk of significant impact to Koala.



Sec	ction 5				
Con	Conclusion on the likelihood of significant impacts				
5.1 Y	You indicated the below ticked items to be of significant impact and therefore you consider the action to be a controlled				
actio	on				
	World Heritage properties				
	National Heritage places				
	Wetlands of international importance (declared Ramsar wetlands)				
\subseteq	Listed threatened species or any threatened ecological community				
	Listed migratory species				
	Marine environment outside Commonwealth marine areas				
	Protection of the environment from actions involving Commonwealth land				
	Great Barrier Reef Marine Park				
	A water resource, in relation to coal seam gas development and large coal mining development				
	Protection of the environment from nuclear actions				
	Protection of the environment from Commonwealth actions				
	Commonwealth Heritage places overseas				
	Commonwealth marine areas				

5.2 If no significant matters are identified, provide the key reasons why you think the proposed action is not likely to have a significant impact on a matter protected under the EPBC Act and therefore not a controlled action

Refer to the attached report titled "Assessment of Matters of National Environmental Significance – Warrill View Quarry" (BAAM 2020).

An assessment of the potential for the proposed actions to result in significant impacts on MNES has been undertaken against the Significant Impact Guidelines 1.1 (Commonwealth of Australia 2013) and is provided in full in Appendix 4.

The results of this assessment indicate that the proposed action is unlikely to have a significant impact on MNES, with the exception of loss of Koala habitat, which is considered to be a moderately high risk of significant impact to Koala.

 \subseteq

No

Yes

Note: PDF may contain fields not relevant to your application. These fields will appear blank or unticked. Please disregard these fields.
Section 6
Environmental record of the person proposing to take the action
6.1 Does the person taking the action have a satisfactory record of responsible environmental management? Explain in further detail
Neilsens Quality Gravels is the holder of four Environmental Authorities (EAs) for extractive industry activities in Queensland, and two EAs for soil conditioning operations, granted by the Department of Environment and Science (NB. one EA is yet to commence). For each of these activities, Neilsens has prepared and implemented numerous management plans to safeguard the environment. Neilsens has established a strong working relationship with the Department of Environment and Science and they are committed to meeting their legislative obligations.
6.2 Provide details of any past or present proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against either (a) the person proposing to take the action or, (b) if a permit has been applied for in relation to the action – the person making the application
Upon request to the proponent, it has been confirmed that no such past or present proceedings exist for the site, in relation to the protection of the environment or the conservation and sustainable use of natural resource.
6.3 If it is a corporation undertaking the action will the action be taken in accordance with the corporation's environmental policy and framework?
✓ Yes □ No
6.3.1 If the person taking the action is a corporation, provide details of the corporation's environmental policy and planning framework
Neilsens Quality Gravels Pty Ltd is committed to conducting all its operations and activities in an environmentally responsible manner and to continually improve environmental performance. The company will:
 implement work practices to protect the environment • meet the requirements of all laws, acts, regulations, and standards relevant to its operations and activities make the most efficient use of natural resources taking due regard of environmental issues and provide for sustainable
sequential land uses • formulate and implement plans for responsible management for land under its control and establish a program for regular
review and assessment and compliance against statutory requirements and design criteria • implement a program to train employees in general environmental issues and individual workplace environmental
responsibilities
 implement work procedures to ensure the health and safety of employees and the general community continually improve environmental practices to reflect changing legislation, new technology and scientific advances, experience gained from environmental incidents and increased knowledge of site specific issues
• allocate necessary resources to ensure the implementation of the environmental policy.

6.4 Has the person taking the action previously referred an action under the EPBC Act, or been responsible for undertaking an action referred under the EPBC Act?



Section 7

Information sources

Reference source

BAAM, (Biodiversity Assessment and Management Pty Ltd). (2018). Response to SARA Information Request – Warrill View Quarry.

BAAM, (Biodiversity Assessment and Management Pty Ltd). (2020). Assessment of Matters of National Environmental Significance – Warrill View Quarry.

Groundwork Plus Pty Ltd (2017). Warrill View Quarry: Planning Assessment Report Groundwork Plus Pty Ltd (2017). Warrill View Quarry: Environmental Assessment Report Groundwork Plus Pty Ltd (2018). Warrill View Quarry: Stormwater Management Plan

Reliability

All references used in the preparation of this referral have been prepared by Groundwork Plus or sub-consultants engaged on behalf of Groundwork Plus. Therefore, there is a high level of reliability in the references.

Uncertainties

There are no uncertainties in the reporting to the knowledge of Groundwork Plus.



Section 8
Proposed alternatives
Do you have any feasible alternatives to taking the proposed action?
Yes ☑ No



Section 9				
Person proposing the action				
9.1.1 Is the person proposing the action a member of an organisation? Yes No				
Organisation				
Organisation name	NEILSENS QUALITY GRAVELS PTY. LTD.			
Business name				
ABN	19010620916			
ACN				
Business address	Johnstone Road, Brendale, 4500, QLD, Australia			
Postal address				
Main Phone number	07 3205 5599			
Fax				
Primary email address Secondary email address	Rob@neilsens.com.au			
9.1.2 I qualify for exemption from fees under section 520(4C)(e)(v) of the Small business Not applicable 9.1.2.2 I would like to apply for a waiver of full or partial fees under Sci				
9.1.3 Contact				
First name	Robert			
Last name	Snowden			
Job title	Group Quarry Manager			
Phone				
Mobile				
Fax				
Email	Rob@neilsens.com.au			
Primary address	Johnstone Road, Brendale, 4500, QLD, Australia			
Address				
I, ROBERT SNOWDEN to the best of my knowledge the information I have given on, or attach	, declare that ed to the EPBC Act Referral is complete, current and			
correct. I understand that giving false or misleading information is a subshalf or for the benefit of any other person or entity.	erious offence. I declare that I am not taking the action on			
Signature: Date: 24/06/25				
I, ROBERT SNOWDEN , the person				
proposing the action, consent to the designation of NEILSENS QUALITY GRAVES PTT as the proponent for the				
purposes of the action described in this EPBC Act Referral.				
Signature: Date: 24/06/20				



Proposed designated proponent		
9.2.1 Is the proposed designated proponent a member	er of an organisation?	
✓ Yes □ No		
Organisation		
Organisation name	NEILSENS QUALITY GRAVELS PTY. LTD.	
Business name		
ABN	19010620916	
ACN		
Business address	Johnstone Road, Brendale, 4500, QLD, Australia	
Postal address		
Main Phone number	07 3205 5599	
Fax		
Primary email address	Rob@neilsens.com.au	
Secondary email address		
9.2.2 Contact		
First name	Robert	
Last name	Snowden	
Job title	Group Quarry Manager	
Phone	07 3205 5599	
Mobile		
Fax		
Email	Rob@neilsens.com.au	
Primary address	Johnstone Road, Brendale, 4500, QLD, Australia	
Address		
Declaration: Proposed Designated Proponent		
ROBERT SNOWDEN	,the	
proposed designated proponent, consent to the desi	gnation of	
myself as the proponent for the purposes of the action described in this EPBC Act Referral.		
Signature: Date: 24/06/20		



Referring party (person preparing the information)	Referring party (person preparing the information)		
9.3.1 Is the referring party (person preparing the information) a member	of an organisation?		
✓ Yes □ No			
Organisation			
Organisation name	GROUNDWORK PLUS PTY LTD		
Business name	GROUNDWORK PLUS		
ABN	13609422791		
ACN			
Business address	6 Mayneview St, Milton, 4064, QLD, Australia		
Postal address	PO 1779, Milton, 4064, QLD, Australia		
Main Phone number	0738710411		
Fax			
Primary email address	info@groundwork.com.au		
Secondary email address			
9.3.2 Contact			
First name	Yoland		
Last name	Dowling		
Job title	Environmental Consultant		
Phone	0738710411		
Mobile			
Fax			
Email	ydowling@groundwork.com.au		
Primary address	6 Mayneview St, Milton, 4064, QLD, Australia		
Address			
Declaration: Referring party (person preparing the information)	1		
, Yoland Dowling of Groundwork Plus Pty			
to the best of my knowledge the information I have given on, or attached to this EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence.			
Signature: Date: 24/06/2020			



Appendix A		
Attachment		
Document Type	File Name	
action_area_images	1361 Warril View_Site and Pits.kml	
action_area_images	1361_200518_RPTI_BAAM_MNES Assessment_Version	
	1_Figure 3.3.pdf	
govt_approval_conditions	1361_20190405_LTRI_SARA Conditions_Part 1.pdf	
govt_approval_conditions	1361_20190405_LTRI_SARA Conditions_Part 2.pdf	
govt_approval_conditions	1361_20190402_LTRI_DES Environmental Authority.pdf	
localgov_approval_consent	1361_20190827_OTHI_Council_Decision Notice_Part 1.pdf	
localgov_approval_consent	1361_20190827_OTHI_Council_Decision Notice_Part 2.pdf	
localgov_approval_consent	1361_20190827_OTHI_Council_Decision Notice_Part 3.pdf	
supporting_tech_reports	1361_200518_RPTI_BAAM_MNES Assessment_Version	
	1_Compressed.pdf	
flora_fauna_investigation	1361_DA1_20180302_RPTI_BAAM Ecological Assessment	
	FINAL_Part 1.pdf	
flora_fauna_investigation	1361_DA1_20180302_RPTI_BAAM Ecological Assessment	
	FINAL_Part 2.pdf	
hydro_investigation_files	1361_610_002_Stormwater Management Plan V3	
	2018_Optimized.pdf	

Appendix B
Coordinates
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