

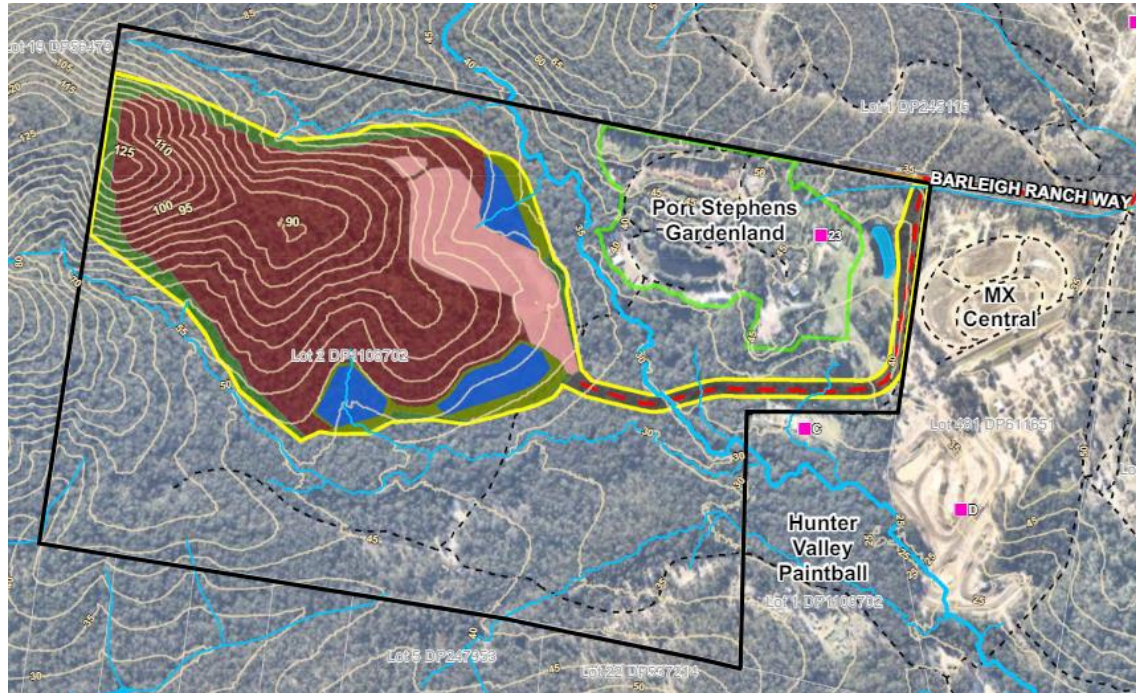
Eagleton Quarry

IPC Briefing

16 May 2024

The Proposal

- Gravel quarry
- Extraction and on-site processing - 600,000 tonnes per annum;
- Quarry life - 30 years;
- Employment - 10 staff + 10 contractors
- Hours of operation:
 - Processing and extraction 7am – 6pm Mon to Fri, 7am to 4pm Sat
 - Scheduled maintenance limited to processing hours
 - Sales activities 5am to 10pm Mon to Fri, 5am-4pm Sat
- Closure and rehabilitation: landform comprises revegetated benches



The Proposal – Timeline

- Scoping Report – October 2015
- EIS Exhibition – February 2017
- Response to Submissions – October 2017
 - Revised layout and staging to reduce amenity impacts
 - Additional / refined assessments
 - Water management plan revised to meet Hunter Water requirements
 - RTS designs accepts by all agencies except for RMS/TfNSW
- Extensive engagement with TfNSW to achieve acceptable solution.
 - Multiple options investigated.
 - Consultation with other quarries (Boral, ARDG) and Council
- Revised access arrangements agreed with TfNSW in 2023
 - Amendment Report Submitted – September 2023

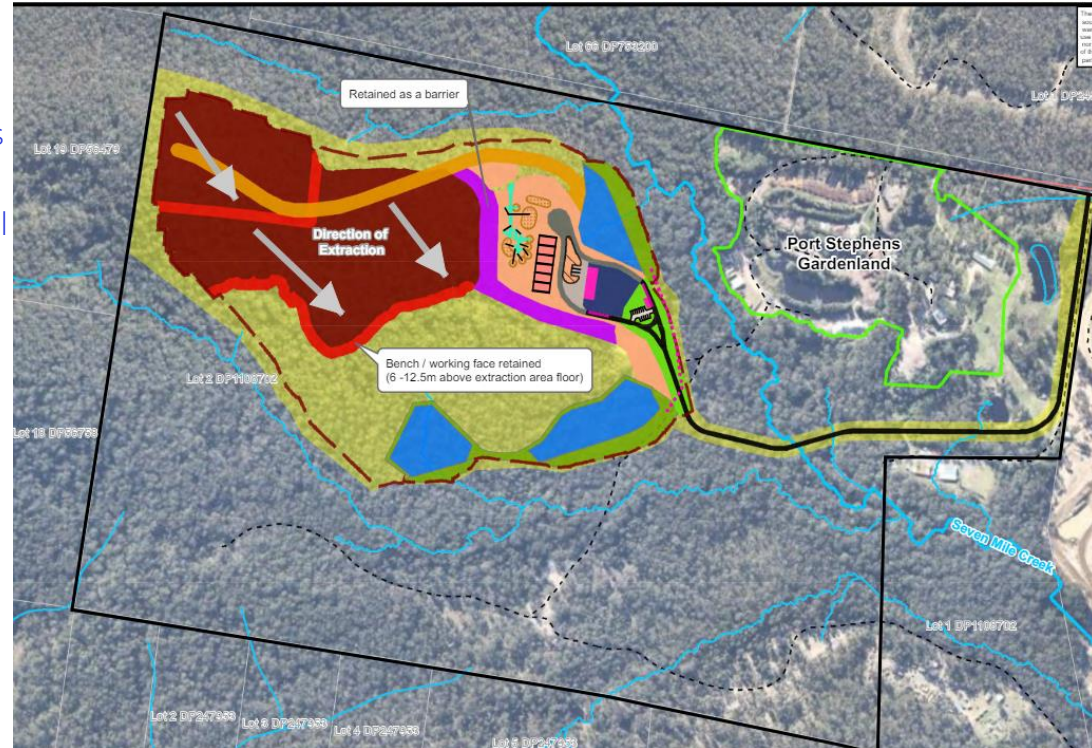
Key Issue – Amenity

- Noise
 - Surrounded by commercial receivers – raceway, paintball, compost facility, car club
 - Residential receivers along Six Mile Road – about 1km south of quarry
 - Eagleton Ridge Disability Services facility
 - One receiver on Italia Road
 - No extraction or processing before 7am



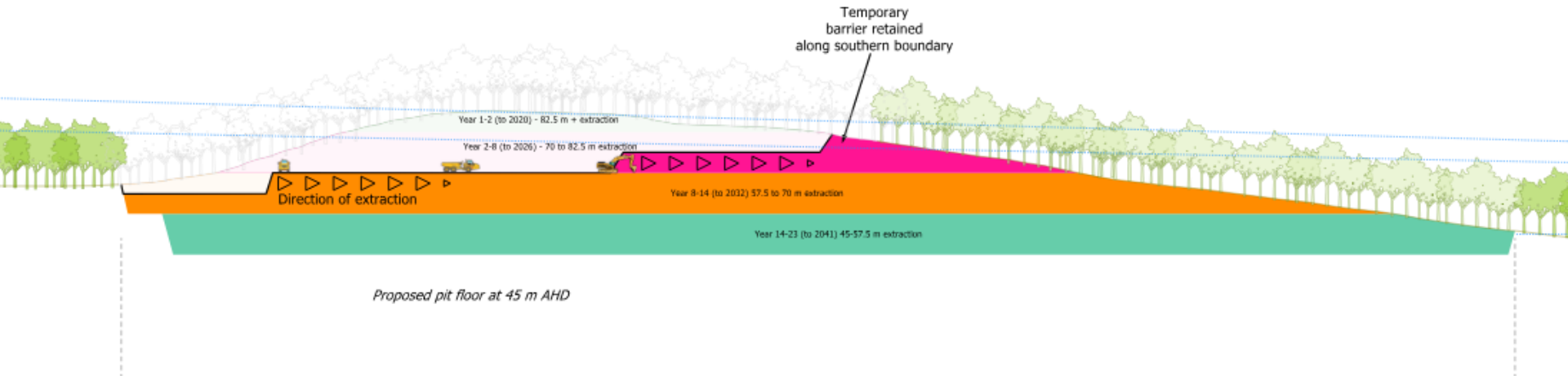
Key Issue – Amenity

- Noise
 - Quarrying along the northern side of the ridgeline using the topography as an acoustic and visual barrier
 - Processing plant at an excavated level of RL 45m in the northern part of the quarry, behind the hill
 - The hill would be retained as a barrier to the processing plant and will be excavated to a height of no less than RL 57.5m until the final year of the quarry life, when acoustic barriers would be installed at suitable locations around the plant



Key Issue – Amenity

- Noise
 - The proposed quarry will commence along the northern side of the ridgeline and progress in a south easterly direction, using the natural topography as an extensive natural acoustic and visual barrier from sensitive residential receivers to the south.

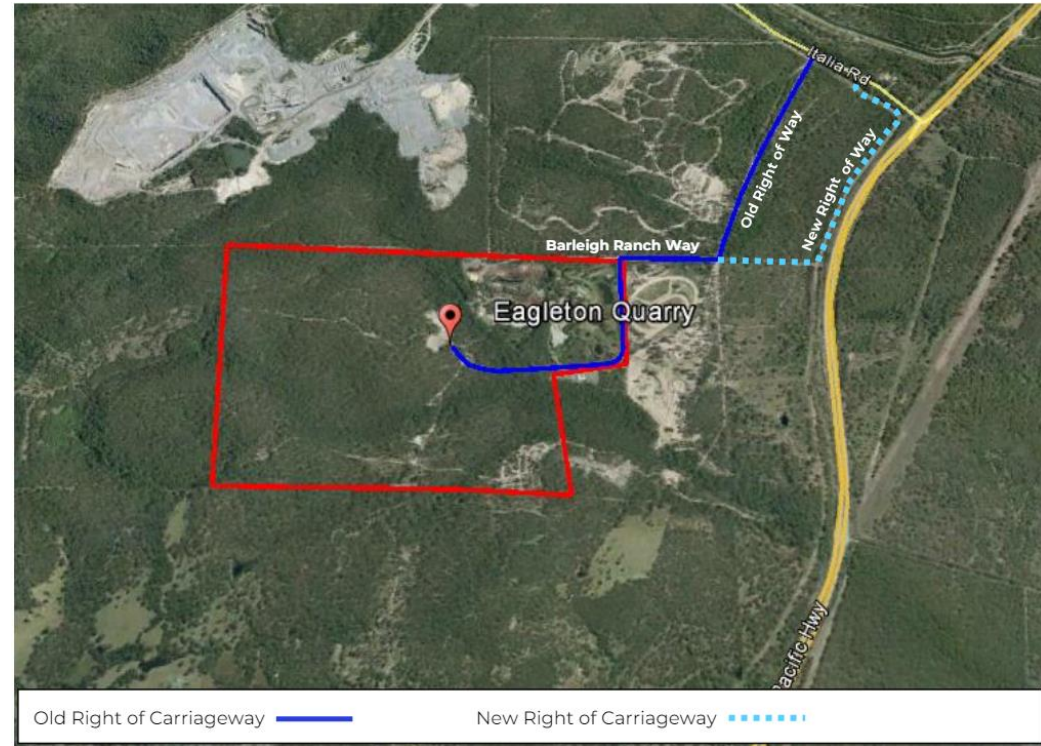


Key Issue – Amenity

- Noise
 - Predicted worst-case noise levels at neighbouring residences are well below the project specific noise criteria.
 - Sales activities proposed to be carried out between 5am and 7am are well below the morning shoulder noise criteria.
 - Blasting:
 - Comply with ANZECC Guidelines and EPA: 9am-4pm Monday to Friday. ,
 - At the request of a neighbour: 12pm to 4pm.
 - Blasting pre-agreed with Eagleton Ridge Disability Services
- Air Quality
 - Reassessed as part of RTS.
 - No exceedances of air quality impact assessment criteria at neighbouring residential dwellings for total suspended particulates, dust deposition, PM10, or PM2.5.
 - Real time dust monitoring and reactive management.

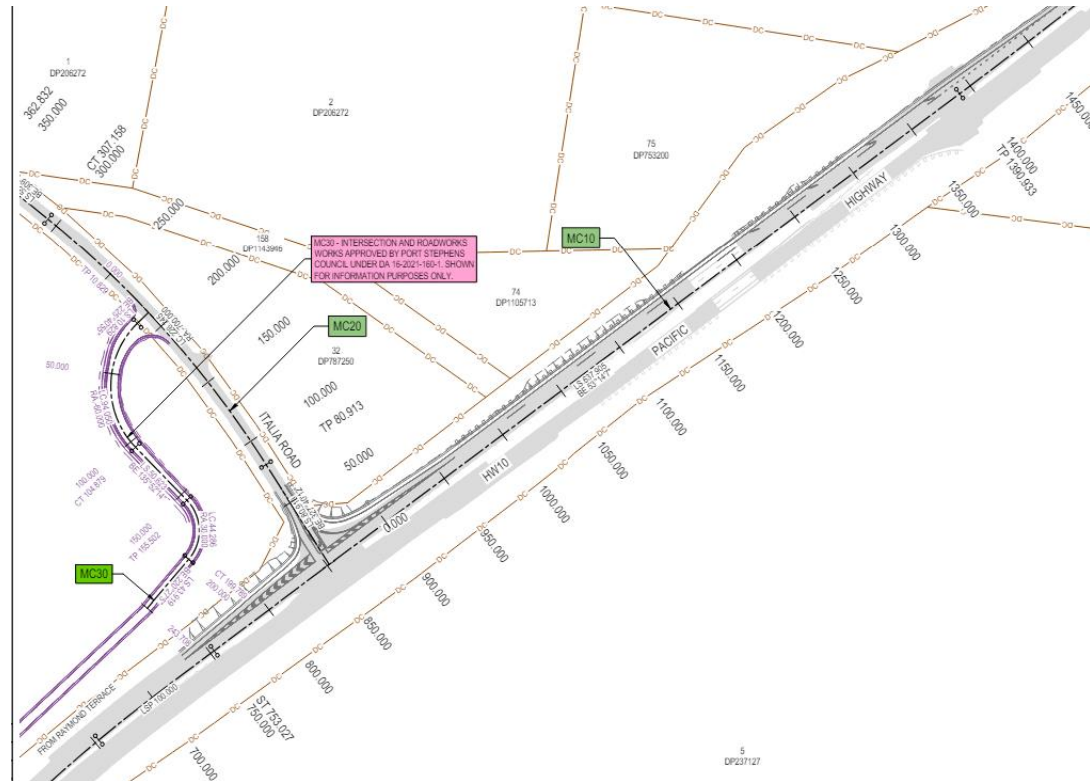
Key Issue – Traffic and Transport

- Access to Pacific Highway via:
 - Barleigh Ranch Way
 - Right of Carriageway (DA-16-2021-160)
 - Italia Road
- Upgrade of Italia Road intersection (DA-16-2023-477)
 - Left turn acceleration land
 - Bridge widening over Balickera Canal
- Left out only at Italia Road / Pacific Highway intersection
- South-bound quarry trucks head north and turn around at Tarean Road Interchange (Karuah)



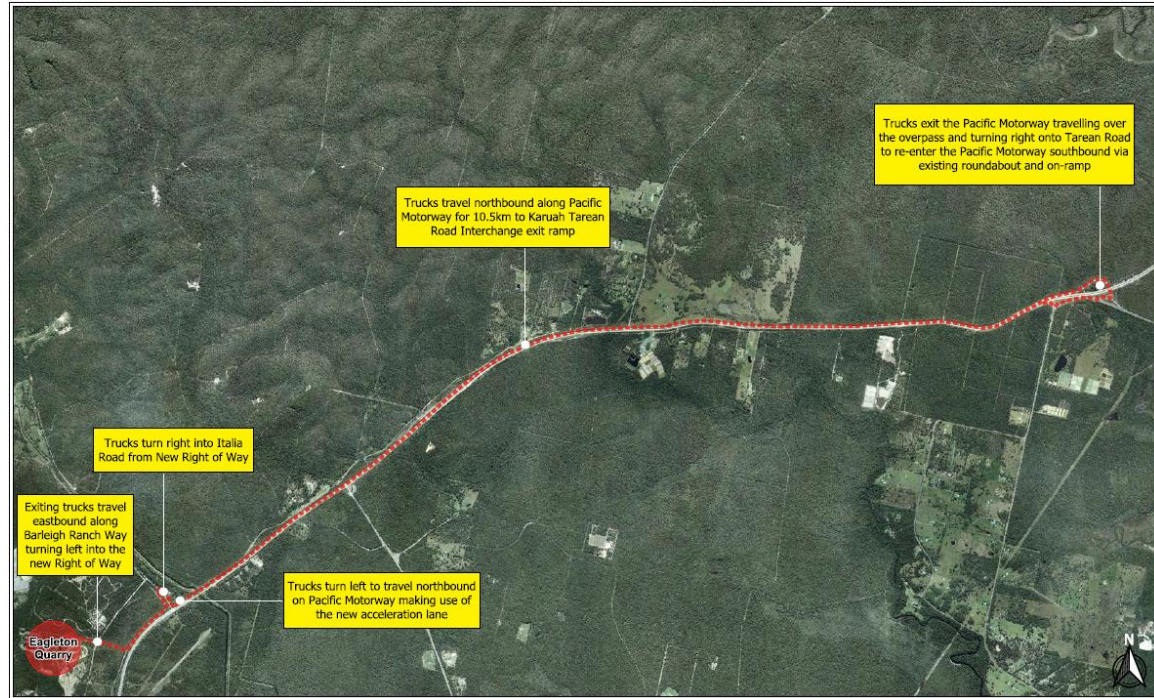
Key Issue – Traffic and Transport

- Access to Pacific Highway via:
 - Barleigh Ranch Way
 - Right of Carriageway (DA-16-2021-160)
 - Italia Road
- Upgrade of Italia Road intersection (DA-16-2023-477)
 - Left turn acceleration lane
 - Bridge widening over Balickera Canal
- Quarry trucks: Left out only at Italia Road / Pacific Highway intersection
 - South-bound quarry trucks head north and turn around at Tarean Road Interchange (Karuah)



Key Issue – Traffic and Transport

- Access to Pacific Highway via:
 - Barleigh Ranch Way
 - Right of Carriageway (DA-16-2021-160)
 - Italia Road
- Upgrade of Italia Road intersection (DA-16-2023-477)
 - Left turn acceleration land
 - Bridge widening over Balickera Canal
- Left out only at Italia Road / Pacific Highway intersection
- South-bound quarry trucks head north and turn around at Tarean Road Interchange (Karuah)

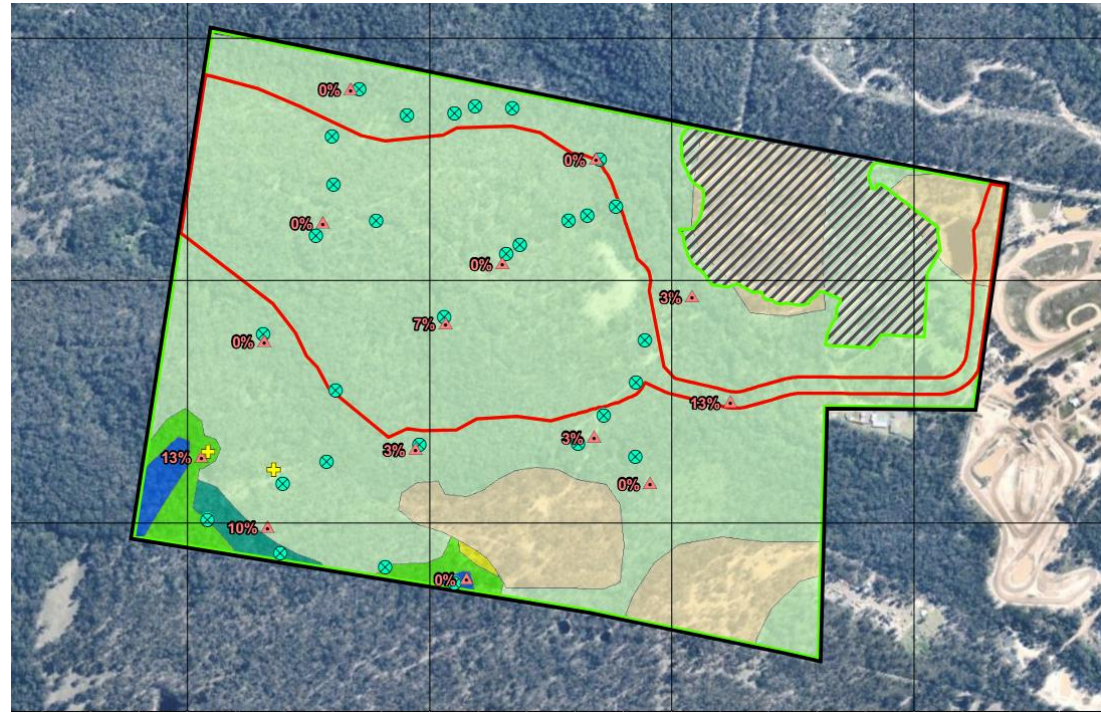


Key Issue – Traffic and Transport

- Internal Access Road:
 - Minimises impacts on existing compost facility
 - New bridge over Seven Mile Creek
- New Right of Carriageway:
 - Agreed with landowner
 - Approved by Council (DA-16-2021-160)
 - Built to Council's rural road standard
- Upgrade of Italia Road / Pacific Highway intersection:
 - Seagull intersection arrangement safe for trucks until 2030s – but TfNSW concerned about cumulative increase in right-hand truck movements out of Italia Road
 - DA-16-2023-477 submitted by Boral. Under assessment by Council.
 - Solution also resolves Boral expansion and ARDG Stone Ridge Quarry
- Potential temporary usage of existing intersection

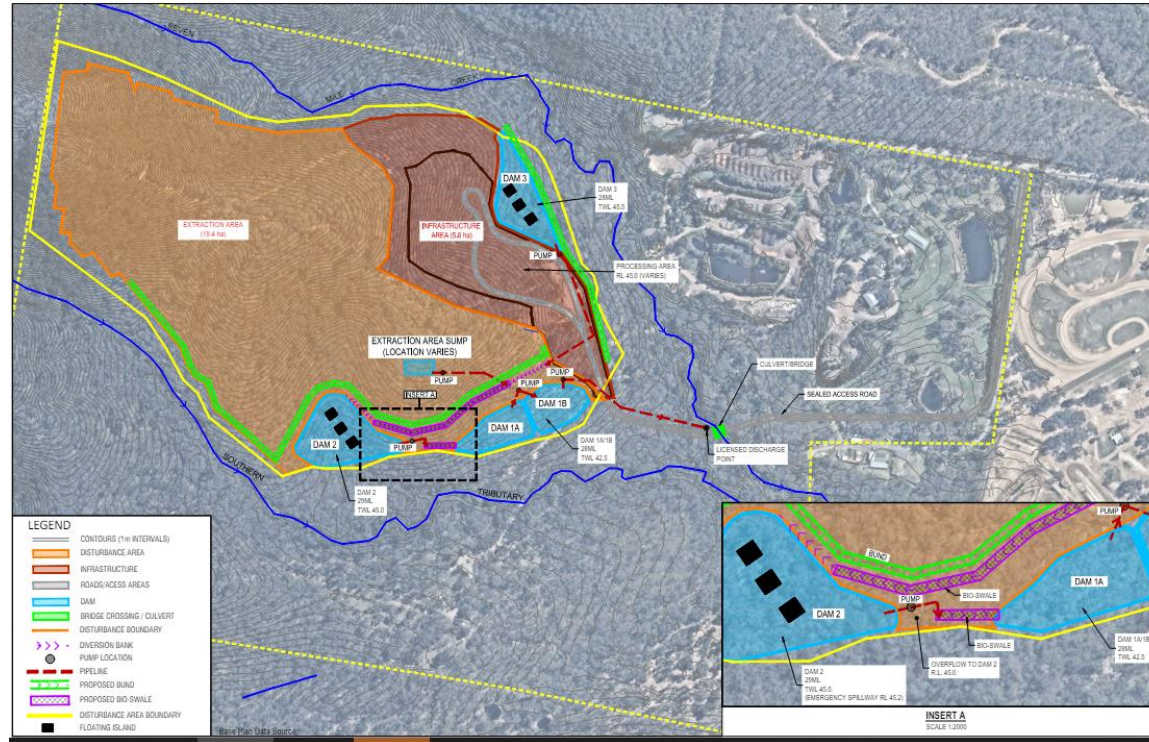
Other Issues – Biodiversity

- Assessed under old Biodiversity Assessment Method (BAM). Reassessed for the RTS in 2017.
- Avoidance and retention of 58 ha of native vegetation to be secured under a biobanking agreement (or Stewardship Site).
- Avoidance of 2nd and 3rd order streams and the associated riparian buffers.
- Haul road design and construction to protect existing hydrological regime of Seven Mile Creek.
- Retention of vegetation corridors on the southern, central and north-east parts of the study area.
- Connectivity through the eastern corridor would be enhanced through revegetation.
- The site contains Marginal Koala Habitat:
 - The SAT activity results suggest Koalas are moving within the lower parts of the landscape, possibly along creek lines.
 - The proposal would retain the majority (79%) of suitable Koala habitat
 - The proposal would also maintain vegetated corridors on the eastern part of the site to allow Koala movement to adjoining habitat to the north-east.



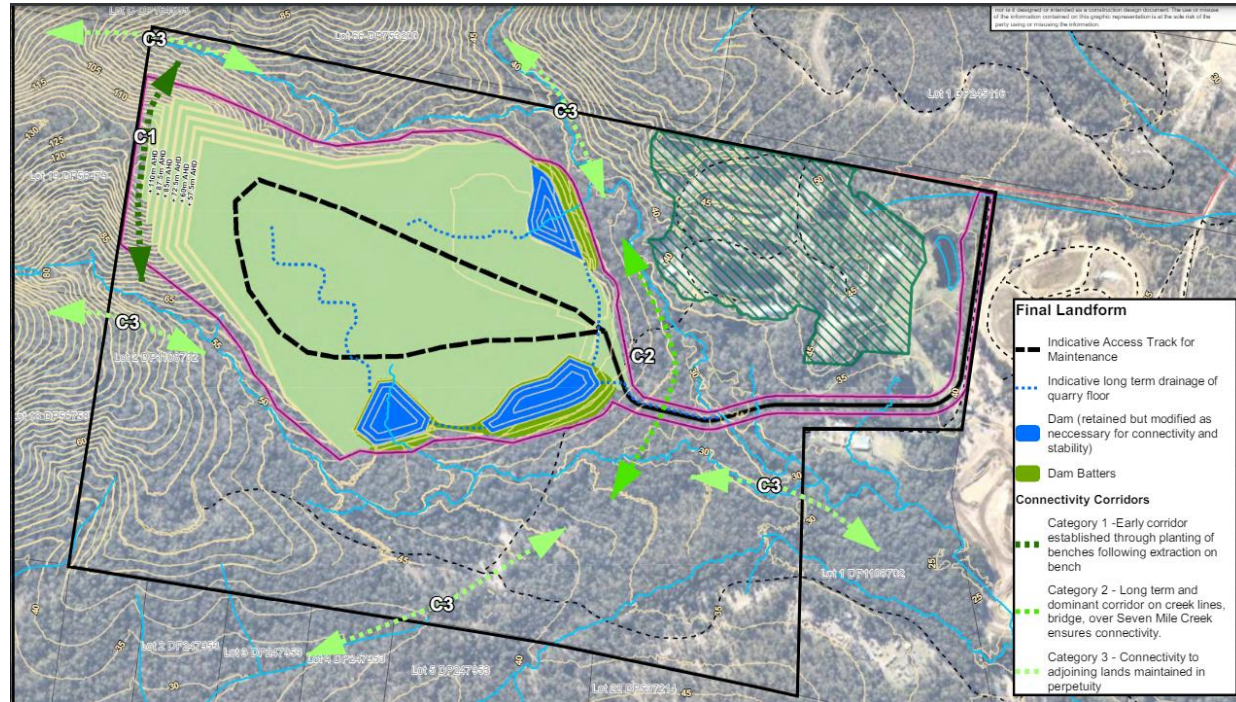
Other Issues – Water

- A Revised Water Assessment was prepared as part of the RTS.
- On-site water storage capacity (265ML) will contain the 500 year 24 hour and 500 year 72 hour rainfall events.
- 'Controlled discharges' will be treated to achieve a water quality discharge compliance standard – bioretention and floating wetlands.
- The water balance modelling indicates that in an average year 48.3MLpa of treated water would be released.
- Extremely infrequent 'uncontrolled discharges' of untreated water. When taken together the total pollutant loads post development of the quarry will be less than the pre-development pollutant loads:
 - 80% for TSS,
 - 29% for Total Phosphorous
 - 22% for Total Nitrogen.
- NorBE requirements have been satisfied by reduction in the long term average pollutant loads for TSS, Total Phosphorous.



Other Issues – Rehabilitation

- An updated Rehabilitation and Closure Management Plan prepared as part of RTS.
- The Eagleton Quarry site is dominated by Seaham Spotted Gum – Ironbark Forest with Hunter Valley Moist Forest interspersed. The broad rehabilitation objective for the post-quarry landform is to establish a similar woodland land use on the disturbed areas.
- The floor of the quarry final land form will include depressions and drainage lines linking to established dams, before connecting to the existing creeks.



Department's Assessment and Recommendations

- ERS generally supports Department's assessment and recommendations
- ERS is exploring potential for temporary use of existing intersection for limited delivery of quarry products – in discussions with TfNSW and Boral
- ERS has agreed special arrangements with Eagleton Ridge Disability Services to ensure blasting does not cause adverse impacts on residents.
- Requested Amendments to Recommended Conditions:

Condition	Comment
A10.	Request that this be amended to: "unless otherwise agreed with TfNSW."
A14.	It is requested that this condition be amended to take into account the fact that Eagleton Rock Syndicate would be constructing Barleigh Ranch Way up front, and that these works will be bonded and subject to Council's performance requirements prior to acceptance. With this in mind, haulage contributions should be deferred for 5 years in relation to haulage on Barleigh Ranch Way.
B33.	<p>Given that part of Barleigh Ranch Way is being constructed as part of Council Development Application 16-2021-160-1, we request that B33 is amended as follows:</p> <p>B33. Unless otherwise agreed with Council and TfNSW, prior to transporting any quarry products from the site on public roads, the Applicant must:</p> <ol style="list-style-type: none"> ensure the intersection at the junction of The Pacific Highway and Italia Road is upgraded to the satisfaction of TfNSW and Council; ensure the new right-of-carriageway across Lot 1 DP245116 and Lot 2 DP1158962 between Italia Road and Barleigh Ranch Way, and the party of Barleigh Ranch Way between the new right of carriageway and the old right of carriageway, are constructed in accordance with Council Development Application 16-2021-160-1 to the satisfaction of Council; upgrade and extend Barleigh Ranch Way between the junction of the old right-of carriageway and the quarry site access point in accordance with the EIS and the latest Austroads standards to the satisfaction of Council; and

Thank you

