



STOP HANSON'S BUNYIP NORTH QUARRY

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POTENTIAL IMPACTS OF HANSON'S PROPSED BUNYIP NORTH QUARRY

TRAFFIC AND ROADS	Hanson have stated that there would be 500+ truck movements daily. The planned traffic route is along Tonimbuk Road to the Bunyip/Tonimbuk intersection. At this time there are no plans to upgrade the roads or intersections.
EMPLOYMENT	Hanson have stated that only 7-10 additional jobs will be created by this project.
ENVIRONMENT	<p>Hanson wants to clear 47.5ha (100+ acres) of old growth native forest, indigenous shrubs and other vegetation. Studies found that the southwestern areas of the site were assessed to be of high regional significance, with all other areas of the site considered to be of regional or local significance.</p> <p>The property sits within a green wedge zone with an environmentally significant overlay. The whole site and surrounding regions sit within a bio-link and wildlife corridor between Mount Cannibal and the State Forest. It is also in the centre of the Healesville to Phillip Island Nature Link (HPNL) - a bio-link of nationally significant natural corridors on public and private land. The biodiversity within the HPNL is threatened by climate change, habitat destruction, and exotic pest animals.</p>
WATER	<p>The project plans to remove 3 entire hills. A hydrological report notes that the proposed quarry, which would extend up to 100 meters below the water table, would intercept groundwater and impact stream bed infiltration</p> <p>Hydrological flow and quality of groundwater are important to the health and sustainability of natural creeks waterways and floodplains in the vicinity of the proposal. Construction of the project includes a single pit and overburden stockpiles, which will alter local surface water and impact water quality within waterways and receiving waters.</p> <ul style="list-style-type: none">• A large wetland exists directly south of the proposed quarry. This wetland contains a record of an EPBC Act listed Dwarf Galaxias• To the north of the subject land, a tributary of Two-Mile Creek runs north of Sanders Road.• A tributary of Cannibal Creek extends through the south-western portion of the study area before joining Cannibal Creek.• Further south of the proposed quarry site the Two-Mile Creek and Cannibal Creek join to the Bunyip River.
FLORA	A report by Ecology and Heritage Partners identified that suitable habitat for the Green-striped leafy Greenhood (<i>Pterostylis chlorogramma</i>) and the Strzelecki Gum (<i>Eucalyptus Strzelecki</i>) - nationally significant flora species - is located on Hanson's proposed quarry site. The report, which was commissioned by Hanson, stated that the proposed quarry has the potential to impact on these habitats.

FAUNA	<p>A report by Ecology and Heritage Partners identified that the proposed quarry site provided suitable habitat for nationally significant species, including the Southern Brown Bandicoot, Australasian Bittern, Latham's Snipe, Growling Grass Frog and the Dwarf Galaxias.</p> <p>The vulnerable platypus, endangered growling grass frog and the endangered leadbeater's possum are also known to reside in local environments.</p>
OFFSETS	<p>A vegetation offset is offered as a counterbalance to habitat destruction.</p> <p>Offsets do not need to be within the project's immediate vicinity, meaning that Hanson Construction Materials could blow up Bunyip North without compensating the immediate community and environment for the environmental loss and destruction.</p> <p>In Hanson's EES referral documents to the Planning Minister, it is noted that as a condition of offsetting vegetation loss, if the Tonimbuk Equestrian Centre is used as an offset, current equestrian activities in certain areas identified as contributing towards the offset would need to cease.</p>
DUST AND AIR QUALITY	<p>When in production, granite quarries produce a dust called 'crystalline silica dust'. Crystalline silica dust particles that are small enough to penetrate deep into the lungs are termed respirable. Due to this, respirable crystalline silica can cause lung damage, with continuous exposure leading to such irreversible health issues as silicosis. The Australian Institute of Health and Welfare relate occupational lung diseases caused by silica dust to that of asbestos.</p> <p>Social impacts of the proposal, as listed by Hanson in their own EES Referral document, include: dust emissions, noise emissions, ground vibrations, air blasts, road damage and the alteration of landscape.</p>
MOUNT CANNIBAL	<p>The Mount Cannibal Flora and Fauna Reserve is a State Significant reserve that is home to a number of native, unique and vulnerable species including the Powerful Owl and over 49 native orchids.</p> <p>The reserve is just 360 meters from the proposed quarry and is visited by 50,000+ visitors every year. This proposal threatens to break the reserve's wildlife corridor, cause undesirable sights, and disturb visitors and local environment via noise, dust and light spill. It is also threatened by the possibility of fly rocks and instability caused by blasting.</p>
BLASTING AND NOISE	<p>Ground vibrations and noise induced by blasting in quarries are one of the fundamental problems in the quarrying industry and can cause severe damage to nearby utilities including cracks in walls, foundations, or roofs. The use of explosives to execute blasting activities always leads to concern its effect on the environment. These effects are normally nuisances to the neighboring residence, as they come in the form of dusts, toxic gases, noises, fly rocks, air blasts and ground vibrations. It is well known that rock and/or debris can be thrown over a kilometer from the blast site, and in a recent case rocks travelled approx. 1.3km.</p>

CULTURAL HERITAGE	<p>5 Aboriginal archaeological sites were located on the proposed quarry site during a field survey conducted by Hanson in 2009. The sites are of cultural value and some scientific and archeological value.</p> <p>The report also found that the proposed quarry will impact on Aboriginal cultural heritage progressively and over a long period of time, and that the likelihood of impact is high. It states: <i>"Any Aboriginal cultural heritage within the Activity Area that is not within the boundary setback will be destroyed by the quarry."</i></p>
WASTE	<p>The Government is facing a major issue with waste, and as from 2024, no waste will be allowed to be exported overseas. Both State and Federal Governments are investing heavily in developing a recycling and reuse industry, where glass, plastic and rubber are used over traditional materials, such as granite, to create roads.</p> <p>The reuse of masonry products, concrete and bricks is currently in place but it is small scale and underutilized. Developing this further will remove the need to dig up more new aggregate and will replace the high energy consuming production of cement and concrete.</p>

MORE INFORMATION

- If you have specific questions about how the quarry would affect you and your property, how to make a submission, or would just like to have a chat, please feel free to reach out to us at stopthebunyipnorthquarry@gmail.com and we will arrange for a member of our team to call you back, or alternatively call:

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- www.stopthebunyipnorthquarry.com or find us on Facebook and Instagram
- To review the EES information and the EES once released: www.planning.vic.gov.au – please note that MCADPG will also have hard copies of the EES if you would prefer hard copies.
- Questions about the EES process? Contact the proposal's DELWP officer, Jack Krohn: jack.g.krohn@delwp.vic.gov.au
- Hanson website: www.hanson.com.au/about-us/regulatory-information/bunyip-north-quarry-ees/
- For a copy of Hanson's 2013 EES Referral Report, or to discuss other elements of the EES, please contact the MCADPG secretary via email: davidbywater1951@gmail.com