

Drilling Project

The drilling program was successfully completed in October 2018, and included the collection of rock core samples and in-situ testing of surficial soils and sediments. The aim of the program was to refine the geological model, specifically in terms of the nature and extent of the weathering profile and depth to various types of materials. Due to the hardness of the rock encountered, additional drilling time was required to reach the target depths of the boreholes. The information collected is being used to refine the volumes of material types, and provide input to the development of a quarry plan which will be used as the basis for assessing various environmental effects.

Baseline Air Quality Monitoring

The air quality monitoring program, which was designed in accordance with EPA Victoria's *Protocol for Environmental Management: Mining and Extractive Industries* has recently been completed. The protocol sets out the statutory requirements for the management of emissions to the air environment arising from activities undertaken in the operation of mining and extractives sites. The results of the monitoring program were provided to EPA who have reviewed the information and advised that the baseline data obtained is reasonably representative of the site and is appropriate for determining background conditions. The air quality assessment of the proposed quarry operation can now be undertaken utilising this EPA approved baseline data.

For more information about the *Protocol for Environmental Management: Mining and Extractive Industries*, refer to EPA Publication Number 1191 or log on to <https://www.epa.vic.gov.au/~media/Publications/1191.pdf>.

Aquatic Ecology

The aquatic ecological survey program was completed at the end of last year and involved visiting a number of properties surrounding the site. The survey included environmental DNA sampling (eDNA) in a number of waterways to assess the potential for Dwarf Galaxia (*Galaxiella pusilla*) populations. The collation of the data, assessment and reporting process is currently underway and it is expected that we will have the results within the next month. Data collected on each private property will be provided to the relevant property owner.



For more information about Dwarf Galaxias, refer to DELWP Action Statement No.258, *Flora and Fauna Guarantee Act 1988*, or log on to https://www.environment.vic.gov.au/_data/assets/pdf_file/0015/33036/Dwarf-Galaxias_action-statement.pdf

Terrestrial Ecology

Terrestrial ecology is the study of how land-based organisms interact with each other and their environment. The terrestrial ecological surveys within the project area was also completed by the end of 2018. The extent of the surveys and the methodologies utilised to collect the data have been reviewed by DELWP and other members of the Technical Reference Group (TRG) and have been deemed satisfactory. Consequently, reporting for terrestrial ecology has commenced and outcomes will be conveyed to the community when Group 2 studies have been approved by the TRG.

Tonimbuk Equestrian Centre

The Tonimbuk Horse Trials Committee has been holding working bees in preparation for the 2019 Tonimbuk event on the long weekend of 8 to 10 March. An internationally recognised event requiring the approval of the Federation Equestrian International in Switzerland. This means that both officials and riders need to meet very stringent conditions.



Renowned New Zealand course designer John Nicholson is designing this year's courses. In 2015 John became the course designer for the Virginia Horse Trials USA and, in Australia, he has recently been involved in the design of new courses in Western Australia. The level 3* and 4* courses will enable riders at the Tonimbuk event to qualify to compete at the only level 5* course event in the Southern Hemisphere, the 2019 Australian Three Day Event, to be held in Adelaide's inner-city East Parklands in November.

Information about the Tonimbuk Horse Trials can be found at: <http://www.tonimbukhorsetrials.com.au/>

The centre is available for booking by any group, as long as they have insurance and qualified instructors. Hire information can be found at: <https://www.tonimbuk.com/>

Planting Program

Hanson has commenced planning the planting of the buffer zones along Sanders Road, and has sought the assistance of two community organisations. The Cardinia Environment Coalition (CEC) will be selecting and providing indigenous plants that support the native fauna, soils and landscape, and Outlook Victoria will Undertake the planting.

For more information about CEC, log on to <https://cecinc.net.au/>

For more information about Outlook Victoria, log on to <https://outlookvic.org.au/>

2019 Sponsorship Program

Hanson's support of community events will continue through 2019 and includes:

- Bunyip Rodeo 23 February 2019 <https://www.facebook.com/bunyiprodeo/photos/saturday-february-23rd-2019/1990011637757550/>
- Tonimbuk Horse Trials 8 – 10 March 2019 <http://www.tonimbukhorsetrials.com.au/>
- Victorian Yard Utility Dog Trials at Thorpdale Potato Festival 10 to 11 March 2019 <https://www.vyufda.com.au/> and <https://www.thorpdalepotatofestival.com.au/>
- Bunyip Junior Football Club http://websites.sportstg.com/club_info.cgi?c=0-6206-138196-0-0&fbclid=IwAR0pGB8QY1cRw0sMX4-EJKz1uxIEOH4e95FSes63GgXJOeoSpfyg_19_NIA
- Bunyip Football Club <https://www.facebook.com/BunyipFC/>
- Garfield Football Club <http://www.garfieldfc.com/>
- Warragul and District Junior Football Club <https://www.facebook.com/WarragulAndDistrictJuniorFootballLeague/>
- Pakenham Racing Club <https://country.racing.com/pakenham>

New member of the project team

Nathan Cherry, an environmental professional with over eight years' experience within the environmental consulting industry in Australia and South East Asia, commenced in the role of Project Development Manager early this year. He has in-depth experience across a broad range of environment, social, health and safety projects including site assessments, environmental impact assessments, site remediation, scoping studies and regulatory compliance assessments.

For further information about the Bunyip North Quarry project, or to contact Nathan:

Website: <https://www.hanson.com.au/about-us/regulatory-information/bunyip-north-quarry-ees/>

Email: community.bunyipnorth@hanson.com.au

Phone: 03 9274 3700 during business hours.