

## Dean, Julie (DEM)

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**From:** Dylan Lee <winery@birdinhand.com.au>  
**Sent:** Thursday, 19 September 2019 8:51 AM  
**To:** DEM:Mining Reg Rehab  
**Subject:** Proposed Terramin Mine at Woodside

Dear Sir/Madam

I am a long-term employee of an Adelaide Hills business who depends on a thriving and viable grape-growing and winemaking industry for my livelihood and employment.

I am concerned about the mining proposal put forward by Terramin and **strongly believe that it should not be considered.**

My major concerns are:

1. Impact on ground water. Terramin propose to recover gold-bearing ore by blasting their way through kilometres of underground tunnels within metres of our vineyard, winery, cellar door and restaurant, as well as other existing homes and businesses. Underground blasting could do permanent damage to fragile underground aquifers – a vital water source for our vineyard and winery as well as being the only water source for hundreds of local homes and businesses surrounding the mine.
2. Impact on tourism to the region. Noise, dust and traffic issues arising from the mine could adversely affect the region's image and deter visitors to our cellar door and restaurant.

Regarding point 1- The proposed mine site sits in the Inverbrackie Creek catchment area, in the protected Mt Lofty Ranges prescribed watershed zone.

Terramin's proposal is based on reinjecting groundwater back into the local aquifer. Although some basic modelling has been done, the community has not had appropriate assurances that this process will not cause harm to water supply, levels and quality.

An independent study conducted by CDM Smith shows that it is almost impossible to accurately model and predict the behaviour of underground water.

Terramin's hydrology analysis estimates the aquifer will drop up to 20 metres. This impact will be felt as far as 1.2 kilometres away and will affect at least 30 existing wells.

Many local crops are very sensitive to changes in water quality and quantity including the grape vines we have on our estate. Small changes can have a large impact on the yield and quality of wine grapes.

Regarding point 2- The Adelaide Hills attracts 1.4 million visitors every year thanks to its pristine landscape and world class wineries. If damage to water supply kills local wineries, the resulting dip in tourism will have huge consequences for the 744 tourism-based businesses in the area (South Australian Tourism Commission).

In addition, mining activity will mean increases in noise, dust and traffic in the region. Terramin are proposing to blast underground twice a day, every day (Terramin MLA 3.1.2), which may deter or disturb visitors to the region.

In addition to the points made above, I fully support the submission tendered by Bird in Hand Winery on this matter.

The information provided by Terramin on this matter is extremely complex and long-winded and it is not reasonable to expect members of the public to be able to navigate this document.

Due to the above, and the fact that Terramin have been unable to prove that they can adequately predict the impact of underground blasting on our precious aquifer system or that tourism to the region will be unaffected, **I strongly believe the mine cannot be considered.**

Kind Regards

Dylan Lee

*Winemaker*

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