

Notes Ray Damm

Madam Chair, thank you for allowing time to comment.  
Secondly, I acknowledge the traditional custodians of this country  
past & present.

Thirdly, I welcome the P members of PAC to Glenisland

I also make the following disclosure. I am a member  
of the GRL CCC and the comments that I am about to make are

my own and in no way am I representing the views of CCC  
I respectfully request that the PAC uphold Doff's recommendation that mine no longer  
I first came to G/ about in the late 60's as a bushwalker

student geologist to explore and map the ~~BR~~ Grandditch in wild  
a remote Bar Tops

In 1978 I was appointed to G/ as a response to a request for  
transfer for rather selfish reasons to have ready access to

the wild BR. To kayak the edge of BR in flood is truly  
exhilarating & challenging as well as providing necessary training  
in order to compete in state & Net skidom

Stratford Craven & WR are ~~not~~ much the same in  
general appearance now as they were when I first arrived  
expect for some missing buildings and people - some of whom  
have left due the proximity of local coal mine. As you drive  
south, I sarcastically suggest that you will be able to  
observe the obvious economic benefits of the adjacent mines.

I am told there are always winners & losers

There has already been residents of FE and FR that have left by the proposed RHMine I have personally observed some of the detrimental impact that this proposal has had on some people lives & mine isn't even approved.

I take this opportunity to ~~reaffirm~~ support Mr Berg's assessment of Foss yesterday. There is going to be considerable coal cost aside i.e. thermal <sup>mineral</sup> & plus to narrow to recover, which will end up in ~~an~~ overburden to weather and leach toxic substances into the environment. It seems a huge waste not to utilize this resource but GRT must make a profit first. There is also possibility for sport comb!

The local business community have proven to be resilient & resourceful as they have successfully adapted to the and transitioned ~~to~~ <sup>the downturn in</sup> post forestry, dairy beef, <sup>industry</sup> & GFC <sup>sector</sup>.

As this proposal should not proceed, then logically, there will be no problem associated with transition to a post coal economy. Other towns in the Hunter will face this major hurdle as the supply of coal decreases.

I remind the PAC that coal is a finite resource and therefore unsustainable in the longer term.

As we do not have the advantage of time travel & a quantum model where we could compare & measure the impacts + & -ve of this proposal on G1 in parallel universes there remains much speculation & uncertainty.

To many this suggestion seems to be ~~an~~ ~~other~~ flippant but the world of QM is rather bizarre.

Which brings me to modelling. All models ~~are~~ are based on assumptions & have errors. Models have been used to evaluate the possible impact of noise & dust pollution. The Buckle & Mognan ranges enclose the G1 to a large extent and I maintain that it is unique compared with other coal basins. It is different topographically to Stratford mine just south of the town.

About a day years ago I started walking up the Buck every week day in preparation for ~~the~~ walks to Kakhoda & the Camino. It does give on a vista over the township & the proposed mine site.

Many mornings the valley is filled or partially filled with fog. Most mornings you can hear the clanking of rail wagons as the train

~~you~~ moves out through the valley. You can ~~to~~ hear the rattle in sawyards and other town noises.

However sometimes with ~~the valley~~ blanketed by fog you can experience ~~and~~ quietness. It - reminding me of the highland of PNG.

But why little to no sound? I now need to remind PAC of basic HS physics. Waves are reflected & refracted by mechanical discontinuities and in this case a change in density due to ~~I believe~~ ~~is~~ a due to Temp inversion. This effect (same) is like ~~to~~ TIR <sup>upon</sup> that light waves move through optical fibre.

Sometimes you can experience the changes in Temp (warming) as you walk up and <sup>often</sup> see smoke & fog laying in valley.

The mention of Lapse Rate & Adiabatic LR is ~~very~~ ~~glaringly~~ messy from EIS. I remind me of PAC that Lap rate is the rate at which temp changes  $\propto$  altitude in a still column of air. The ALR is the temp change that takes place in a body of air like a blast cloud or diesel exhaust as that body ascends through column of air. The difference then between these two determines whether there will be vertical dispersion of aerial pollutants. <sup>is it with the TI in front</sup> You can see wood smoke trapped in the valley due to the phenomenon of TI.



There ~~will be~~ would be a cumulative impact of bushfire and/or wood fire smoke together with pollution from the mine and haul road if it were to proceed

I remind you that G1 is contained by Buck & Magrath ranges and is long on an unknown no of days or weeks

In conclus<sup>n</sup>, I respectfully request that the PAC uphold the decision of DoP in that the project "not to proceed"

And, this is a big and, that ~~this~~ you, members of the PAC, recommend/suggest to Govt that the Expl lic be purchased and guaranteed from further coal mine proposals.

Once again thank you for allowing this cranky old man to present some thoughts to you. It is finally G1 in a truly angry place which is current driving a heavy tourist industry, ~~both~~ but that is another story