FACT SHEET

Airborne Magnetic and Radiometric Survey (AMR)

What is an AMR survey?

Airborne magnetic and radiometric surveys (AMR) measure the Earth's magnetic field and naturally occurring radiation. Typically conducted using a fixed wing aircraft, specialist contractors utilise passive instruments attached to the aircraft to capture data. Geophysicists process this data, generating images that are used to complement historic geological mapping and modelling.

Why use an AMR survey?

An AMR survey enables geoscientists to map faults, soil types, rock types, iron rich rocks, old river channels and heavy mineral sands in areas where no other data is available, or where units are obscured by overlying material.

What's involved in the AMR survey?

- The planned survey will fly traverses at 50m intervals in an east-west direction.
- The aircraft will fly at a minimum height of 50m above the ground at speeds of up to 220km/h.
- The aircraft will fly in accordance with Civil Aviation Safety Authority (CASA) regulations.

What is the impact?

The expected impact from the aerial survey is minimal, as the activity will be conducted from the air, gathering a large amount of information in a relatively short time. There will be some short-term noise impacts, however any disturbance will be intermittent and transient as the aircraft passes over.

How do I find out more?

Please contact the Fosterville Gold Mine Community Team via the general enquiries email and phone details below:

Mail: Fosterville Gold Mine
McCormicks Road
Fosterville, VIC, 3557
Phone: 03 5439 9000
Email: FGM.Community@agnicoeagle.com
Web: www.fgmcommunity.com.au

For information about your rights as a landholder please see the Land Access Guide prepared by the Minerals Council of Victoria and Victorian Farmers Federation available at:

https://www.minerals.org.au/sites/default/files/VFF_MCA_Landowners_Guide_FINAL_0.pdf

A copy of the guide can also be provided upon request from the Fosterville Gold Mine community team.

Figure 1. An example of the Cessna 210 aircraft that will conduct this survey.