Australian Government
Geoscience Australia

Tasmanian Government

Activity Notice

East Tasmania Airborne Magnetic and Radiometric Survey

Geoscience Australia, in collaboration with Mineral Resources Tasmania, will be carrying out an airborne magnetic and radiometric survey in eastern Tasmania during 2022. The survey is part of the Australian Government's Exploring for the Future program, which is committed to supporting a strong economy, resilient society and sustainable environment for the benefit of Australians. At its heart, the program is about contributing to a sustainable, long-term future for Australia through an improved understanding of the nation's mineral, energy and groundwater resource potential.

Why is this research important?

This scientific research is a continuation of similar surveys that have covered northern Tasmania and most of the Australian mainland. The survey will enhance understanding of landforms, geology and natural resources of the region, which will support future resource and land management decision-making.

Survey method

Light aircraft are fitted with instruments to map variations in the Earth's magnetic field and naturally occurring radioelement abundance. The instruments are passive which mean they do not transmit any signal. Airborne surveys avoid the need for any ground disturbance.

What you may see

A small fixed wing aircraft or helicopter will make a single pass approximately 80 m above the ground, along flight lines 200 m apart. If you have any concerns with this activity please contact Mineral Resources Tasmania (contact details below).

Figure 1. Examples of systems used for acquiring magnetic and radiometric data.

Timing and location of activities

The airborne survey is scheduled to begin in March 2022 and will conclude flying in May 2022. The location of the survey is shown in Figure 2.

Important to know

All data produced by Geoscience Australia from this survey will be freely available after quality assurance checks have been performed.

Further information about magnetic and radiometric surveys can be found at:
https://www.ga.gov.au/scientific-topics/disciplines/geophysics/magnetics

https://www.ga.gov.au/scientific-topics/disciplines/geophysics/radiometrics

COVID-19 protocols

Geoscience Australia field staff and contractors comply with all Commonwealth and state government COVID-19 legislation, including public health orders and directions, to protect the health and wellbeing of the community.

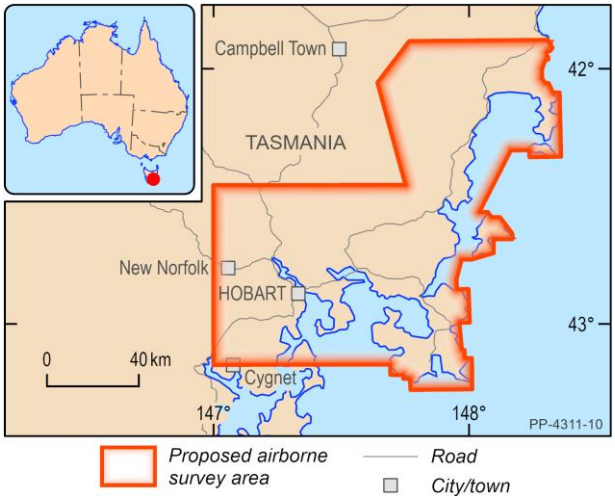

Figure 2. Location of the airborne magnetic and radiometric survey.

For further information contact Mineral Resources Tasmania: mark.duffett@stategrowth.tas.gov.au (03) 6165 4800