

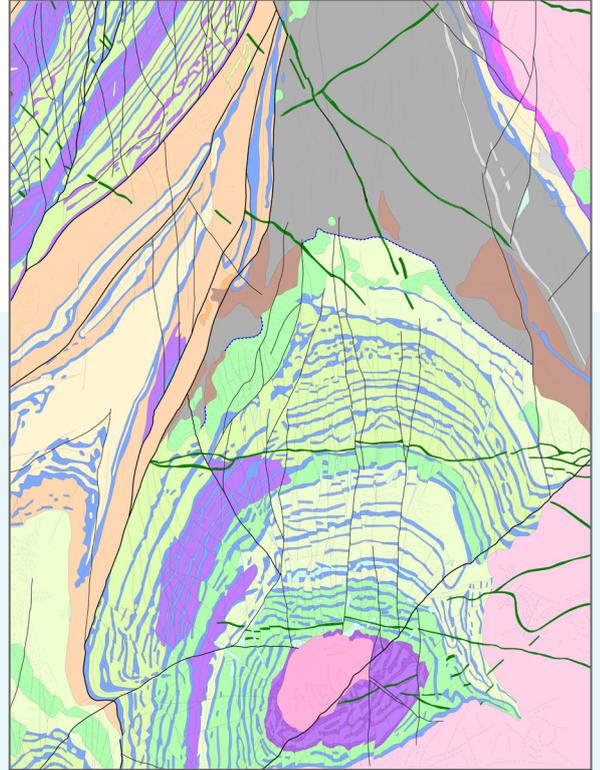
# INTEGRATION OF AEROMAGNETICS AND GEOLOGY

## A 2-day short course on the methodology of 'Aeromagnetic Interpretation'

High quality aeromagnetic data are available over most of the world's major mineral provinces, but the integration of such data with geological and mineralisation information is frequently cursory and at very regional scales.

This short course illustrates the methodology behind the compilation of detailed solid geology interpretations and the definition of prospect-scale exploration targets using aeromagnetic data. We use examples from a number mineralised, 'hard-rock' environments to show how aeromagnetic data expand the view of geology and sharpen the targeting process.

Hands-on exercises form an essential part of the course.



## COURSE OUTLINE

- THE SPECTRUM OF AEROMAGNETIC APPLICATIONS
- BASIC PHYSICS
- INTEGRATION METHODOLOGY
- QUANTITATIVE AND QUALITATIVE INTERPRETATION
- CASE HISTORIES FROM A RANGE OF TERRAINS AT A RANGE OF SCALES

**PRESENTERS:** **David Isles** - has specialised in aeromagnetic applications since the 1980s. He has conducted major interpretation projects throughout Australia and in Africa and the Middle East. He is co-author of the ASEG e-book 'Geological Interpretation of Aeromagnetic Data' and has developed and presented courses on this since 1991.

**Anne Tomlinson** - is a dual-qualified geophysicist and geologist with over 15 years' experience in mining geology and mineral exploration projects worldwide. She specialises in the qualitative and quantitative interpretation of gravity, magnetic and radiometric data, and prospect to regional scale evaluation and target generation.

**VENUE:** VENUES TO BE CONFIRMED

**DATES / TIMES:** VANCOUVER – 24th - 25th February 2020 - 9am - 5pm each day  
TORONTO – 9th - 10th March 2020 - 9am - 5pm each day

**COST:** Prices are dependent on the number of participants  
Please contact [geophysics@sgc.com.au](mailto:geophysics@sgc.com.au) for more information

## FOR FURTHER INFORMATION PLEASE VISIT OUR WEBSITE

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