KEA306 Tectonics and Volcanology, KEA304 Petrology and KEA341 Economic Geology

WESTERN TASMANIA EXCURSION – February 18th-23rd, 2019

Aim: To study the tectonic history and volcanology of central western Tasmania. This excursion is now a compulsory component of KEA306 Tectonics and Volcanology, KEA304 Petrology and KEA341 Economic Geology.

Leaders: Dr Sebastien Meffre, Dr Martin Jutzeler

Transport: 2 x 12-seat passenger vans. No private cars are allowed.

Itinerary

*Monday 18th: Depart 8:30 am. Geology – Geography Building, near Earl Street entrance to the university. Drive to Rosebery with stops on the way.

Tuesday 19th: Pieman Road traverse

Wednesday 20th: Corinna Road traverse, Serpentine Hill

Thursday 21st: Anthony Road traverse, Henty Mine core shed and core logging

Friday 22nd: Mapping exercise

Saturday 23rd: Mount Lyell, return to Hobart by 6.00 pm.

Accommodation

Shared cabins at Rosebery Cabin and Tourist Park, Rosebery (03 64731366). Accommodation is already booked.

All students must bring their own sleeping bag and towels.

The cost of the excursion excluding food is $180 per student for the five nights.

Payment is required before the excursion (i.e. by Monday 18th February 2019). A further email will be sent with the links to the payment site in early February

Students will be responsible for all their meals. Rosebery has a hotel, take-away shops, a supermarket and bakery, all within walking distance of the cabins. Cooking facilities are available in the cabins. You may bring food from Hobart; however, there will be daily opportunities to buy groceries and/or meals during the excursion. If you have special dietary needs, bring these items with you as the stores in western Tasmania may not stock them.
**Field equipment**

All students must bring the following field equipment:

- Hand lens, geological hammer, field notebook (suitable for use in wet weather conditions), magnet, scribe or knife, clipboard, pencils (ordinary and colour), protractor, ruler, eraser, camera, water bottle, field boots, field clothes, waterproof jacket and waterproof over-pants.
- An umbrella may also be useful for writing notes in the rain.

Field equipment is available for sale from the CODES Society of Economic Geologist student chapter representative (adam.abersteiner@utas.edu.au)

Come prepared for extremes of weather – hot-sunny and cold-wet. You must wear **hard toes safety boots** for the core logging exercise at the mine site. Ten pairs of boots are available at Uni, so let me know ahead of time if you need a pair and you do not want to buy your own. A day-pack is recommended, especially for the full-day mapping exercises.

**Field notes, mapping exercise, field tests and evening meetings**

Detailed field notes should be taken during the excursion and will be marked on Thursday 22\textsuperscript{nd}. Field books made of water-proof paper and securely bound are recommended. Loose sheets of paper or an A4 writing pad are not acceptable as a field notebook.

One day of the excursion is devoted to an independent mapping exercise. On the other days, students are required to attempt a series of field tests involving description and interpretation of particular outcrops. Each evening, there will be a compulsory meeting to review the day’s activities and introduce the following day’s program.

**Recommended reading**


*Papers on the tectonic evolution and volcanology of Western Tasmania will be available to the KEA306 students on MyLO (Contents: Extra Reading)*

*N.B. Students who have allergies, asthma or other medical conditions should ensure that they carry the appropriate medication with them on the excursion. Please also notify the excursion leaders of any potentially serious medical conditions prior to departure.*

**NOTE: All students must bring their own sleeping bag and towels**