Cape Grim, NW Tasmania – a world class example of submarine basaltic intraplate volcanism.

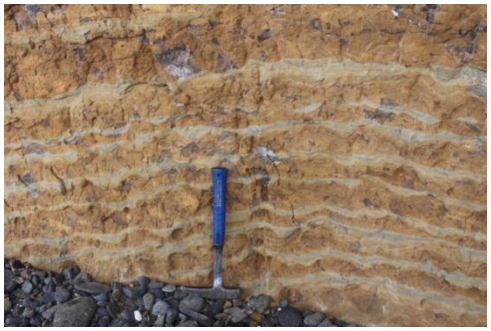
4-7 February 2017 (post Chapman Conference)

Fancy a trip to **Cape Grim**, on Tasmania's rugged northwest coast?

Cape Grim in far north western Tasmania, Australia, was the site of extensive intraplate basaltic volcanism during the Cenozoic. The submarine basaltic succession is exceptionally well preserved and exposed in rock platforms and steep coastal cliffs. Field trip participants will have the opportunity to examine eruption-fed density current deposits, world class exposures of pillow lavas and pillow breccias, with much debate of eruption and depositional processes and timing relationships. Participants will need to walk between 2-4 km over sometimes steep terrain and will need to bring appropriate clothing and walking boots.

This field trip will depart from Hobart and travel by bus through the Tasmanian countryside to accommodation at Smithton, where the field trip will be based. Each field day we will travel by minibus to Cape Grim and then walk in to the field sites. The field sites are accessed by walking down relatively steep slopes to coastal platforms that are tide dependent for access. Tasmania and west coast in particular, is renowned for variable weather conditions. Come prepared for warm, sunny conditions and wet, windy weather. The bus will return to Hobart on the final day arriving around 5 pm.

The Cape Grim region of Tasmania is renowned for its rolling green hills, red fertile soils and the cleanest air in the world. Spectacular volcanic coastlines will provide the perfect setting for discussions about basaltic submarine eruption processes and products.



KEY DETAILS

Leaders: Professor Jocelyn McPhie (UTAS) and Jodi Fox (Graduate Student UTAS)

Dates: Saturday 4th to Tuesday 7 February 2017 (Post-conference)

Itinerary: The itinerary may be subject to change. Weather and sea conditions dictate accessibility of outcrop. A more detailed itinerary will be provided at a later date.

4 February
Meet in Hobart and drive in minibus to Smithton (6 hours plus lunch stop). Secure storage of excess baggage available at UTAS.

5 & 6 February
Travel by minibus to visit various sites at Cape Grim. Opportunity to examine eruption fed density current deposits, pillow breccias, pillow lavas, lava lobes and high level basaltic intrusions. Discussion and debate regarding the eruption processes and timing of events.

7 February
Return drive Smithton to Hobart (6 hours plus lunch stop), anticipated time of arrival in Hobart 5 pm.

Accommodation and Meals:
• Twin share accommodation at the Tall Trees Hotel, Smithton. Single accommodation may be available for an additional cost.
• Breakfast and lunch included in the field trip fee (except lunch on the first and last day of the field trip).
Dinner will be at the participant's cost. There is a restaurant at the accommodation and the minibus will be made available to take participants to central Smithton or Stanley for dinner. Announcements will be made on the day.

Transport:
We will use a minibus for transport. Cost is included in the field trip fee.

Fieldtrip fees:
The field trip fee is $550 AUD, assuming there are 10 participants. The maximum number of participants will be 10. The minimum number of participants for the field trip to go ahead is 5. To express an interest in attending this field trip please contact Jodi Fox Jodi.Fox@utas.edu.au Details regarding payment will be sent via email to all who express an interest. Participation will only be confirmed when payment is received.