

2008 AESC Post Convention Field Trips

An exciting and diverse range of Field Trips are on offer as part of the 2008 AESC Convention.

Transport: All field trips will utilize tour operators providing transport from the stated start and finish points.

Accommodation: Those trips more than a day long utilise hotel or motel accommodation where available, but otherwise accommodation will be a combination of shearing sheds and camping out. Motel accommodation is twin share, single occupancy may be available at additional cost. Camping equipment (tents, stretchers etc) will be provided although participants may prefer to provide their own sleeping bags.

Transfers: For trips not starting and finishing in Perth, connecting transfers (generally by air) and local accommodation prior to or after the trip is not included, to allow intending participants more flexibility with arrangements.

Trip Leaders or convention organisers will advise on recommended connecting flights and accommodation where necessary, but are not responsible for these bookings. In some cases, rooms have been tentatively booked, but participants will be responsible for final payment. Participants will be advised of any pre held accommodation booking availability on registration.

Pre-conference trips should finish on the Saturday prior to the AESC, in time for evening flights to Perth. Post-conference trips allow for flights from Perth on Friday morning, although some may be very early.

Capacities:

Please note each trip lists a minimum and maximum attendee number.

Should minimum numbers not be reached by the close-off date a trip may be cancelled.

If vacancies exist after the booking close date, registrations may be accepted.

Trip 4: Geology of the Halls Creek Orogen

The Paleoproterozoic Halls Creek Orogen in the far north of Western Australia is thought to mark the collision between the Kimberley Craton and the proto-North Australian Craton, an event that has driven the 1870 to 1790 Ma tectonism and associated mineralization in the Tanami and Arunta to the southeast. This field excursion will combine superb exposures with some outstanding scenery.

The excursion will examine the evidence for a collisional model, visiting the three tectonostratigraphic terranes that make up the orogen, including the passive margin sequences of the Eastern Zone around Halls Creek, the oceanic island arc sequence in the Central Zone and the continental margin turbidites, granites and felsic volcanics of the Western Zone. The sedimentary rocks of the overlying Mulla Bulla and Speewah basins will also be examined, together with possible VHMS Cu-Pb-Zn mineralization, and Ni mineralization associated with mafic-ultramafic layered intrusions.

Who should attend: Those interested in the tectonics and mineral systems of the North Australian Craton, and the applicability of plate tectonics to the assembly of Proterozoic Australia

Leaders:	Ian Tyler and Steve Sheppard (GSWA)
Duration:	6 days, ex-Kununurra
Dates:	25 th – 30 th July 2008
Participants:	Minimum 10 – Maximum 14.
Operator:	Safari bus tour operator
Accommodation:	Camping all nights except last night in Hotel accommodation
Bookings Close:	Deadline extended to 18th June 2008
Cost:	\$1,600 (AUS inclusive of GST) ex-Kununurra
Included:	Accommodation during trip and most meals included.
Does not include:	Connecting airfares

Trip 5: Kalgoorlie, Youanmi and Narryer Terranes of the Yilgarn Craton

This excursion will be a traverse from the classic Kalgoorlie Terrane greenstone stratigraphy near Menzies, across the terrane-bounding Ida Fault into the Youanmi Terrane, and then on to the Narryer Terrane west of Meekatharra.

The excursion will contrast stratigraphy and deformation styles between the terranes, and ask questions about the tectonic evolution of the Yilgarn Craton and the consequences for the distribution of mineral deposits. The geology will be discussed in the context of a proposed deep-crustal seismic traverse that would approximately coincide with this traverse. Highlights will include very-old-zircon localities in quartzites in the Youanmi and Narryer Terranes, the Yarrabubba impact structure, the Barrambie layered intrusion, and gold mineralization in the Meekatharra area.

Who should attend: Anyone interested in the geology and mineral systems of classic, highly mineralised Archean granite-greenstones and gneisses.

Leaders:	Steve Wyche and Catherine Spaggiari (GSWA)
Duration:	7 days, ex Perth, returning to Perth
Dates:	25 th – 31 st July 2008
Participants:	Minimum 20 – Maximum 30
Operator:	Safari bus tour operator
Accommodation:	Combination of motel and camping
Bookings Close:	Deadline extended to 18th June 2008
Cost:	\$1,400 (AUS inclusive of GST) ex-Perth.
Pickup Point:	Perth CBD, TBC

Trip 6: Kalbarri – A Ramble Through the Red-Beds, and more

Kalbarri is a major tourist destination in W.A., noted for river and coastal gorges cut in Ordovician red-beds of the Tumblagooda Sandstone as well as wildflowers and fishing. This trip focuses on the river and coastal gorges, examining spectacularly exposed fluvial, tidal sandflat, and coastal deposits and sampling local seafood, before moving further east to the glacial and post-glacial Permian succession of the northern Perth Basin. Visits to the stromatolites at Lake Thetis, and Nambung National Park and its Pinnacles, will break the drive back to Perth. Participants will see some Pleistocene coastal geology and landforms on the way to Kalbarri, via Hutt Lagoon and Port Gregory.

Who should attend: Soft rockers: classic sedimentologists, trace-fossil workers, geo-tourists.

Leader:	Roger Hocking, Arthur Mory (GSA)
Duration:	4 days, start Geraldton and finish Perth.
Dates:	25 th – 28 th July 2008
Participants:	Minimum 10 – Maximum 14.
Accommodation:	Motel. Most meals included
Bookings Close:	Deadline extended to 18th June 2008
Cost:	\$900 (AUS inclusive of GST)
Does not include:	Connecting airfare (Perth to Geraldton)

Trip 7: Mines and Wines of south-west Western Australia

This excursion combines visits to world-class mineral deposits with the fine food, wine, and scenery of south-west Western Australia. Transport is by bus with hotel/motel accommodation. The itinerary will include Alcoa's bauxite mining and refinery operations at Pinjarra, the Boddington gold mine, Greenbushes tantalum mine, Cable Sands' North Gwindinup titanium-mineral mine and Iluka's titanium minerals operations at Capel. Examples of world-acclaimed mine rehabilitation programs are also included, and key outcrops of Leeuwin Complex gneiss and overlying sedimentary rocks will be visited on the magnificent Indian Ocean coast.

Participants will sample excellent local wines and food at some of the Margaret River region's finest wineries, and discuss aspects of the geology important in the production of the premium wine grapes for which the area is famous.

Who should attend: All geologists, young and old.....

Leaders:	Mike Donaldson (Litchi Metals) and Mike Freeman (DoIR)
Duration:	4 days
Dates:	25 th – 28 th July 2008
Participants:	Minimum 15 – Maximum 48
Accommodation:	Hotel
Bookings Close:	Deadline extended to 18th June 2008
Cost:	\$1500 (AUS inclusive of GST)
Includes:	Coach transport, shared accommodation, all meals and some refreshments.