

**SAGA2009 BARBERTON FIELD TRIP - DETAILED ITINERARY**

Field trip leader: Prof Carl Annhaeusser

Itinerary:

**FRIDAY 11 SEPTEMBER**

06h00	Leave JHB from CSIR Melville (Corner of Carlo and Rustenburg roads, Melville JHB) Secure parking (24/7 security available). Leaving early to beat the JHB morning traffic chaos
	Travel for +/- 4 hours (+/- 300km) to the field trip excursion area in the Barberton Mountainland
10h00	Meet up with Barberton Geologists and others already in the area @ the WARBURTON Post office Warburton Post office = next to Jessievale sawmill on the main Carolina-Oshoek (Swaziland) tar road
	Field trip proper starts: Most of the time looking at exposures of greenstone belt rocks in the Schapenburg greenstone belt remnant, approximately 30 km southeast of Badplaas from about 11am onwards. These exposures of Onverwacht-type komatiites and metasediments are exceptional and will take up 3-4hours depending on the interest of the group. Then there are a few exposures of granites and Karoo cover rocks in the area south of Badplaas (Heerenveen Batholith area), which we will see as we make our way north in the late afternoon to Badplaas for the first overnight stop.
	A light packed lunch will be available and soft drinks, water
Evening	Talk / presentation by Prof Annhaeusser on the Barberton Mountainland, field trip Sleep over in Badplaas, dinner, bed, breakfast ( www.hlumulodge.co.za)

**SATURDAY 12 SEPTEMBER**

06h00-07h30	Breakfast
08h00	Field trip starts, leave for the field, from Badplaas
	Visit the Komati River Valley – I plan to show them a section across the Komati Formation, to see komatiites, pillow basalts, and some other rocks that form part of the Komati succession near the Onverwacht type locality (but NOT the type locality, as this is not easily accessible). After the type section I will show them some of the interesting sites in the granites and migmatites of the Sandspruit Formation, the Theespruit Pluton, and later a trip over the mountains from south to north (Msauli Mine area) stopping at view sites and geological features recently exposed by road works along the Barberton-Bulembu road. There is plenty to see so all will depend on timing. The route may be adapted as we go along.
	A light packed lunch will be available and soft drinks, water
Evening	Overnight at the Digger's Retreat near Barberton Dinner is a braai outside at the swimming pool

**SUNDAY 13 SEPTEMBER**

06h00-07h00	Breakfast
07h15	Field trip leaves Digger's retreat for Oppikoppi - Sheba mountain Quad bike trip
08h00	Quad bikes and accompanying 4x4's leave Oppikoppi for trip up Sheba Top
	A light packed lunch will be available and soft drinks, water
	View Eureka Syncline, Ulundi Syncline, Sheba Fault, Swartkoppie bar, Eureka City, Sheba Fault, Golden Quarry, Sheba mine rock collection etc.
13h00	Leave Quadbikes at Sheba mine. Board field trip Quantum minibuses to travel to the Bon Accord Nickel deposit
13h30	Bon Accord (African Nickel) field visit start.
15h30	Field trip ends
	2 x Quantums leave for Swaziland - Swazi Spa SAGA2009 Conference Hotel <b>REMEMBER YOUR PASSPORT</b>
	1 X VITO minibus departs for JHB - back to the CSIR in Melville For those people that only attended the field trip - not going to the SAGA2009 Conference
+/-17h30	2 Quantums arrive Swazi SPA
+/-20H00	VITO minibus arrives at the CSIR