

35TH INTERNATIONAL GEOLOGICAL CONGRESS

27 AUGUST - 4 SEPTEMBER 2016 | CAPE TOWN, SOUTH AFRICA



PRE 12

Seismotectonics and hydrology of faults systems in the Western and Southern Cape



TRIP LEADER: Chris Hartnady



The scope of this excursion includes palaeoseismological studies on the Late Pleistocene-reactivated segment of the Congo Fault and seismicity along the Tulbagh-Ceres (Groenhof) Fault. The route is through Stellenbosch, Franshoek, Villiersdorp, Tulbach and Montagu and on to Calitzdorp, Oudtshoorn and Knysna before returning to Cape Town. Includes visits to artesian wells and thermal springs with some accommodation at spa resorts. This field trip will be linked to IGC sessions on the Seismotectonic Map of Africa and on active faulting and recent earthquake activity in Africa.

Field Trip Leader: Chris Hartnady

Start: Cape Town

End: Cape Town

Dates: 7 days, Sunday 21st to Saturday 27th August 2016

DATE	ROUTING
21-Aug-16	Rawsonville – Die Eike Guesthouse or Similar
22-Aug-16	Citrusdal – The Baths Hot Springs or Similar
23-Aug-16	Montagu – Avelon Springs or Similar
24-Aug-16	Calitzdorp – Calitzdorp Spa or Similar
25-Aug-16	Oudtshoorn – Queens Hotel or Similar
26-Aug-16	Knysna – Knysna Log Inn or Similar
27-Aug-16	Cape Town - Return
	END OF TOUR

21-Aug-16 Sunday	<p>You will be met by your driver at the CTICC to be transferred to your accommodation in Rawsonville.</p> <p><u>Highlights en-route:</u> Stellenbosch, Helshoogte Pass, Franshoek, Franshoek Pass, Steenbras - Brandvlei Fault System, Theewaterskloof, Villiersdorp, Brandvlei Hot Spring, Goudini Hot Spring</p>
	<p>Includes: Lunch Dinner</p> <p>Excludes: Beverages and Gratuities</p>

In : 21-Aug-16	Out: 22-Aug-16	Overnight at Die Eike Guesthouse in a BB Standard Room or Similar
		<p>Die Eike is a lovely Cape Dutch Homestead originally built in the early 1800's. Surrounded by vineyards and orchards with views of majestic mountains, the guest house offers warm hospitality in tranquil settings.</p> <p>Die Eike Guesthouse is situated in the breathtaking Slanghoek Valley on the Breedekloof Wine Route. This valley forms part of the Breede River Valley with Worcester, as the closest town.</p> <p>Includes: Access to Goudini Spa</p>

22-Aug-16	Monday	<p>You will be transferred from Rawsonville to your accommodation near Citrusdal.</p> <p><u>Highlights en-route:</u> Worcester Fault, Wolseley, Tulbagh Earthquake Museum, Nuwekloof Pass, Piekenierskloof Pass, Blikhuis Thermal Artesian Borehole, The Baths Hot Spring</p>
		<p>Includes: Breakfast Tulbagh Earthquake Museum Entrance Fee Lunch</p> <p>Excludes: Dinner, Beverages and Gratuities *Dinner to be arranged and provided by Umvoto</p>

In :	Out:	Overnight at The Baths Hot Springs – Standard Room or Similar
22-Aug-16	23-Aug-16	<p>The Baths, with its Natural Hot Water Springs of 43^o Celsius, is situated only two hours drive from Cape Town on a citrus farm in the scenic Olifants River Valley, near the town of Citrusdal in the Western Cape of South Africa. Established in 1739 this self-catering resort, with handsome Victorian-style stone buildings, maintains an old world charm in a scenic, rural setting.</p>

23-Aug-16	Tuesday	<p>You will be transferred from Citrusdal to your accommodation in Montagu.</p> <p><u>Highlights en-route:</u> Citrusdal, Middelberg Pass, Gydo Pass, Groenhof Fault, Ceres Transport Riders Museum (1969 earthquake display), Theronsberg Pass, Hex River Railway Tunnel Faulting, Koo Valley Pass, Montagu Hot Spring</p>
		<p>Includes: Ceres Transport Riders Museum Entrance Fee Lunch Dinner</p> <p>Excludes: Breakfast, Beverages and Gratuities *Breakfast - To be arranged and provided by Umvoto</p>

In : 23-Aug-16	Out: 24-Aug-16	Overnight at Avalon Springs in BB Standard Room or Similar
		Avalon Springs resort is approximately two hours away from Cape Town, and can be found at the heart of the famous Route 62. Popular history tells us that a 'Trekboer' (Pioneer Farmer) had injured his hand whilst repairing the wheel on one of his ox wagons and whilst bathing the hand in a stream nearby, discovered that the water was warm and decided to trace the stream to it's origins....the hot springs had been discovered! Allegedly the Farmer's hand, after repeated bathing in the water, healed in no time at all & the news of this "miracle spring" quickly spread throughout the Cape Colony. People started coming from all over the country (and world) to experience this natural wonder for themselves... Avalon Springs awaits you!

24-Aug-16	Wednesday	You will be transferred from Montagu to your accommodation near Calitzdorp. <u>Highlights en-route:</u> Warmwaterberg Hot Springs, Ladismith, Seweweekspoort Pass, Huis River Pass, Calitzdorp, Calitzdorp Hot Spring
		Includes: Breakfast Lunch Excludes: Dinner, Beverages and Gratuities

In : 24-Aug-16	Out: 25-Aug-16	Overnight at Calitzdorp Spa – Standard Room or Similar
		Calitzdorp is known as the port capital of South Africa. The rejuvenating Calitzdorp Spa is also just a short drive away. This Spa is famous for its natural healing waters with rejuvenating mineral water, which bubbles up from mother earth and contains many minerals with iron and manganese in abundance. The natural hot spring baths will soothe the stress of modern living, leaving you relaxed and ready for whatever eventuality the future may hold for you.

25-Aug-16 Thursday	<p>You will be transferred from near Calitzdorp to your accommodation in Outdshoorn.</p> <p><u>Highlights en-route:</u> Cango Fault, Swartberg Pass, Prince Albert, Kruidfontein Thermal Artesian Borehole, Leeu Gamka Earthquake Swarm, Stinkfontein Thermal Spring – KW 1/67 Oil Exploration Well, Meiringspoort Pass</p>
	<p>Includes: Lunch Dinner</p> <p>Excludes: Breakfast, Beverages and Gratuities</p>

In : 25-Aug-16 Out : 26-Aug-16	Overnight at the Queens Hotel on DBB Standard Room basis
	<p>The Queen's Hotel is an oasis of colonial elegance and wired modern convenience in the heart of Oudtshoorn - the capital of the beautiful semi-arid Klein Karoo. Finished in 1880, this grand dame of South African hotels has recently been restored to her full original beauty and continues to offer sumptuous accommodation, service and dining that is reminiscent of a bygone era but driven by dynamic modern hotel management.</p>

26-Aug-16 Friday	<p>You will be transferred from Oudtshoorn to your accommodation in Knysna.</p> <p><u>Highlights en-route:</u> Blossoms Artesian Wellfield, Paardepoort Flower Structure (Uniondale accommodation zone / megashear) – De Rust – Holocene Reactivated Segment of Cango Fault – Toorwater Hot Spring – Uniondale – Prince Alfreds Pass</p>
	<p>Includes: Breakfast Lunch Dinner</p> <p>Excludes: Beverages and Gratuities</p>

In : 26-Aug-16 Out : 27-Aug-16	Overnight at Knysna Log Inn on BB Standard Room basis
	Built in 1998, the Knysna Log-Inn Hotel embodies an “indigenous” concept that combines the character and spirit of the surrounding forests with Knysna’s romantic history of wood cutting and elephants. The Knysna Log-Inn Hotel is situated in the heart of Knysna, making it the ideal base to stay while exploring Knysna and the rest of the Garden Route. The Hotel is within easy walking distance, just 350 meters, from the Knysna Quays shopping complex (the Waterfront), with a multitude of interesting shops and an array of great restaurants, tourist attractions, boats, ferries and yachts.

27-Aug-16 Saturday	You will be transferred from Knysna back to the CTICC in Cape Town. <u>Highlights en-route:</u> George, Swellendam, Stanford, Gateway Wellfield, Hermanus, Houw Hoek Pass, Steenbras Fault System, Sir Lowrys Pass
	Includes: Breakfast Lunch Excludes: Beverages and Gratuities

14 Passengers:

– Based on 1 x 15 Seater Vehicle or Similar with 1 English speaking Driver and 1 x Trailer per vehicle

29 Passengers:

– Based on 2 x 15 Seater Vehicles or Similar with 1 English speaking Driver and 1 x Trailer per vehicle

Vehicle costs are based on an average of 400km per day.

All excursions/sightseeing listed are time and weather permitting on the day of travel.

Excludes: Bottled Water and Porterage for Transfers

22 Aug 2016: Excludes evening braai – To be arranged and paid to Umvoto

23 Aug 2016: Excludes breakfast – To be arranged and paid to Umvoto

24 Aug 2016: Currently excludes dinner – We are still waiting on costs from catering company

25 Aug 2016: Currently excludes breakfast – We are still waiting on costs from catering company

Meal Key

BB Bed and Breakfast

DBB Dinner, Bed and Breakfast

DBB+ Dinner, Bed and Breakfast plus one additional activity

DBB++ Dinner, Bed and Breakfast plus two additional activities

FB Full Board (includes 3 meals per day)

FB+ Full Board (includes 3 meals per day) plus one additional service

FB++	Full Board (includes 3 meals per day) plus two additional services
FI	Fully Inclusive (includes all meals and local drinks), plus all activities

Minimum Persons 14

Maximum Persons 29

COST INCLUDES:

- 01 Night accommodation at Die Eike Guesthouse on a BB basis or similar
- 01 Night accommodation at The Baths Hot Spring on self-catering basis or similar (Dinner and Breakfast to be provided by Umvoto)
- 01 Night accommodation at Avelon Springs Resort on a BB basis or similar
- 01 Night accommodation at Calitzdorp Spa Resort on self-catering basis or similar – Excludes Dinner and Breakfast (Still waiting on Breakfast and Dinner Rates from a catering company)
- 01 Night accommodation at the Queens Hotel on a DBB basis or similar
- 01 Night accommodation at Knysna Log Inn on a BB basis or similar
- 07 x lunch
- 04 x dinner
- Transport in private touring vehicles
- Local English speaking driver on all transfers
- Driver meals & accommodation where necessary
- Entrance fees to sightseeing venues as stated in the itinerary above

COST EXCLUDES

- All airmiles, air reservations and airport taxes
- All other accommodation
- All other meals
- All beverages
- All other transport
- All portage
- All other sightseeing
- Personal expenses such as tips for meals, gratuities for guides & drivers, all alcoholic and other beverages, telephone calls and laundry
- Any other services not mentioned above