35TH INTERNATIONAL GEOLOGICAL CONGRESS

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

PRE 2
CAPE GRANITES

TOUR LEADERS: Gary Stevens and John Clemens

giya ngomhlaba
dance with earth

IUGS
International Union of Geological Sciences

GSSA
Geological Society of South Africa

Council for Geoscience

Under the patronage of
UNESCO
United Nations
Educational, Scientific and
Cultural Organization

Many of the spectacular landscapes around Cape Town involve outcrops of the ca. 540 to 510 Ma Cape Granite Suite.

These rocks are not only extremely picturesque but they also contain a wealth of information about the recycling of the continental crust during the Saldanian Orogeny, how large granitic plutons and volcanic complexes are constructed and the source processes that spawned the magmas.

The field trip will visit key localities, including the Peninsula pluton at Llandudno, the Darling batholith south of the town Darling and the newly identified Saldanha Bay Cauldron Complex on the coasts around the Langebaan lagoon. At each locality, information derived from the outcrops relevant to the genesis of the granitic and felsic volcanic rocks, as well as the geodynamic processes that shaped the Saldanian orogeny will be presented.

The excursion will travel through much of the beautiful Swartland wine region and will also take the opportunity to sample local wines and delicacies. As an added attraction the trip will also take place during the renowned West Coast wildflower season, and there will be lots of opportunities to see and photograph beautiful flower-blanketed landscapes.

Field Trip Leaders: Gary Stevens & John Clemens of Stellenbosch University
Start/End: Cape Town
Dates: 2 days, Friday 26th to Saturday 27th August 2016

ITINERARY

DATE	ROUTING
26 August 2016	**08:30** Depart Cape Town and drive to Llandudno
	09:30 - 11:00 Examine the S-type granites of the Peninsula pluton at Llandudno
	11:00 – 13:00 Drive to Cloof Wine Estate for Lunch
	13:00 – 14:30 Lunch
	14:30 – 15:00 Drive to Darling Pluton
	15:00 – 17:30 Examine the rocks of the Darling Batholith including a wide range of metasedimentary xenoliths
	17:30 – 18:30 Drive to The Farmhouse Hotel in Langebaan where guests will overnight
27 August 2016	**08:30** Depart Langebaan and drive to Paternoster and the Cape Columbine nature reserve.
	9:15 - 11:15 Examine sequence of granites intruded at Cape Columbine including layered portions of the Vredenburg granite
	11:15 - 11:45 Drive to Saldanha
	11:45 - 13:30 Examine the ignimbrites of the Saldanha caldera including the base of the volcanic sequence at the Bomgat locality
	13:30 - 14:00 Drive to Langebaan
	14:00 – 16:00 lunch at the Strandloper restaurant at Langebaan
	16:00 depart for Cape-Town
	18:00 Arrive in Cape Town

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

26-Aug-16	Friday	Depart Cape Town

In : 26-Aug-16 Out : 27-Aug-16	**Overnight at The Farmhouse Hotel on BB Classic Room basis** 5 Egret Street Langebaan South Africa
	The Farmhouse Hotel in Langebaan offers luxurious room and cottage accommodation to guests wanting to get into nature. Features of a stay here include access to the on-site mini-gym and spa, use of the swimming pool, delicious farm-style meals, fine wines and complimentary internet access. The Farmhouse caters for upmarket meetings, events and special occasions.

Minimum Persons 15
Maximum Persons 40

COST INCLUDES:

- 1 x Nights at The Farmhouse Hotel in Langebaan
- 2 x lunch
- 1 x dinner
- 1 x breakfast
- Transport in a 32 seater vehicle for 18 pax
- Transport in a 44 seater for 40 pax

COST EXCLUDES:

- All airfares, air reservations and airport taxes
- All other accommodation
- All other meals
- All other transport
- 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