



**OVERBERG GEOSCIENTISTS GROUP (OGG)**  
**Newsletter #14: 30 September 2024**  
(OGG – Reg. No. 275-138 NPO)



Dear All, Herewith the end-September Newsletter for 2024, which has been another busy and successful year for the OGG and all its local, regional, and international members.

The breakfast presentations for the remainder of 2024 event are listed in the Table below.

Note that OGG gatherings and in-person presentations at **Onrus Manor** (Hermanus) start at 09h30 (coffee), breakfast at 10h00 (R130 pp), and presentations (also on Zoom) are at 11h00.

Please advise [Hennie.greeff@gmail.com](mailto:Hennie.greeff@gmail.com), m: 082 569 5314) or [Annabelle.greeff@gmail.com](mailto:Annabelle.greeff@gmail.com) (mobile: 082 443 0699) if you will be attending the breakfast and presentation at Onrus Manor.

10 Oct 2024	<i>John Blaine</i>	STAIRCASE THROUGH TIME- Evidence of Sea Level Change around Hermanus
6 Nov 2024	<i>John Bristow</i>	Experiences of a Geologist in Russia

**Zoom Link:** <https://us02web.zoom.us/j/82172892738?pwd=M1NWUkFYzhqdTJ2Qk0yZ3BrV2srZz09>  
**Meeting ID: 821 7289 2738; Passcode: Overberg**

**OGG Presentations on YouTube** - Previous OGG YouTube videos since 2021 are available for viewing and sharing, and accessed by cut/pasting the link below into your browser, clicking on the GSSA YouTube Website, locating the **OGG-Playlist** and selecting the topic and speaker you wish to listen to: <https://www.youtube.com/playlist?list=PL-MPMaHidsW1jR8f-KMmPX8ANZGA-OYna>

**Bot/Klein River Estuary Excursion - Saturday 19 October, 2024** – The Bot River and surrounds half-day Geology excursion will start at 8h30 for 9h00 on the west-side of the Kleinmond Main Beach/Bot River outlet (parking is next to Sandown Blues Restaurant) ending in Bot River Village. It will be led by Jean Malan and Mike De Wit.

To register, please contact Mike DeWit ([dewit@icon.co.za](mailto:dewit@icon.co.za); 079 502 8029) or John Bristow ([jwbdia@gmail.com](mailto:jwbdia@gmail.com); 082 571 3004).

Excursion Registration cost is R100.00 to cover the production of a *Geological Guide Booklet* by Jean Malan and Mike DeWit. Members, Non-members, Families and Kids are welcome. OGG bank details are included on page 2.

For those who so wish, there is the option of lunch at Beaumont Wine Farm. Kindly contact the venue (028 - 28 284 9194, [jen@beaumont.co.za](mailto:jen@beaumont.co.za)) and make a table reservation, preferably 24 hours in advance, if you wish to round off the Excursion with a pleasant lunch at their excellent restaurant.

**Obituary – Professor David Green (29 February 1936 - 6 September 2024).** *Experimental Petrologist and mantle geochemist*) <https://earthsciences.anu.edu.au/news-events/news/vale-professor-david-green/obituary-professor-david-green>

**Workshop on Diamonds: University of Pretoria, Geology Department – 11 and 14 October**

[https://mail.google.com/mail/u/0?ui=2&ik=6b3c7f64a1&attid=0.1&permmsgid=msg-f:1811718374477212718&th=192484433fc32c2e&view=att&disp=inline&realattid=f\\_m1qh3esp0](https://mail.google.com/mail/u/0?ui=2&ik=6b3c7f64a1&attid=0.1&permmsgid=msg-f:1811718374477212718&th=192484433fc32c2e&view=att&disp=inline&realattid=f_m1qh3esp0)

**University of the Free State (UFS) GeoCongress (Bloemfontein, 24 - 27 June 2025) –**

The 2025 Geocongress details and Sessions are shown in the link below and Abstracts can now be submitted - <https://geocongress2025.org.za/>

**Articles & Videos of Interest:**

The Argyle Diamond Discovery in Australia - YouTube (14mins)

<https://www.youtube.com/watch?v=Aigj4yhK8Qw>

Cecilia Payne-Gaposchkin: the woman who found hydrogen in the stars (but not acknowledged!)

<https://search.app/eXA4NALu8B7rpmbY7>

Rio Tinto chairman - mining deals won't solve energy transition minerals supply crisis (MINING.COM)

<https://search.app/phX5Hfcndy7YUzwY8>

Developing new mines remains an uphill struggle - KPMG in Canada report – Sept 2024

<https://www.miningweekly.com/article/developing-new-mines-remains-an-uphill-struggle-mining-leaders-say-in-new-kpmg-in-canada-report-2024-09-27>

'Publish or perish' mentality fuelling research paper retractions – undermining science (*The Conversation*)

<https://search.app/HPgRYvENZgu8F5dH8>

Evidence suggesting that earth had a ring in the Ordovician Andrew G. Tomkins et al. (2024). *Earth and Planetary Science Letters*. DOI: [10.1016/j.epsl.2024.118991](https://doi.org/10.1016/j.epsl.2024.118991)

**Cape Town MINCHAT Newsletter - October 2024:**

<https://mail.google.com/mail/u/0?ui=2&ik=6b3c7f64a1&attid=0.1&permmsgid=msg-f:1811153609644024632&th=1922829cb07fa338&view=att&disp=inline>

**OGG Membership, Fees + Sponsorship** – Membership fees for the OGG are R250.00 per person.

For those of you who have not yet settled your membership dues, Bank details are as follows:

STANDARD BANK      ACCOUNT NAME: OVERBERG GEOSCIENTISTS GROUP NPC  
ACCOUNT NUMBER:    10168933800    TYPE: CURRENT ACCOUNT  
BRANCH CODE: 051001    SWIFT ADDRESS: SBZA ZA JJ

**New Members are welcome & please share these documents with colleagues, non-geologists, laypersons, students & scholars. For more information and membership details see contacts below.**

**Many thanks & Best wishes,**

**HENNIE, JOHN, ANNABELLE + OGG TEAM**

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[jwbdia@gmail.com](mailto:jwbdia@gmail.com) (mobile: 082 571 3004)

**AUGUST 2024 LARGE IGNEOUS PROVINCE (LIP's) GEOEXCURSION**  
**KRUGER NATIONAL PARK (KNP) (Part-1)**



***Northern Kruger National Park (KNP) Baobab Hill – John Roff, Dr Bruce Julian, Prof Gillian Foulger, Rowan Walker, Dr Rais Latypov, Prof Martin Klausen, Dr Alexei Ivanov, Dr Elena Demonterova, Dr Vadim (Dima) Kamenetski, Game Guard Herman Ntimane, Dr John Bristow; Front – Dr Andy Moore, Dr Mike Watkeys. (Absent: Dr Sofya Chistyakova)***



***KNP - Archaean (>2.5Ga) Granite gneiss boulders, at the Kruger Tablets locality, N-E of Skukuza Restcamp. The Tablets commemorate the 1898 proclamation of the Sabie Game Reserve by President Paul Kruger, and institution of the National Parks of South Africa in 1926.***



**KNP (above & below) – Olifants River.** Base of the Lebombo Volcanics reflected by the top of the Clarens Formation sandstones separated by a thin volcanoclastic tuff deposit from the overlying dark massive Mashikiri Nehelinite lavas (~205Ma). N-S strike-slip faulting has repeated the succession at this locality.



**KNP – Locality as above, with dark vesicular (at the base) Mashikiri Nehelinite lavas (~205Ma) overlying a thin well bedded volcanoclastic Tuff deposit. (Olifants River).**



**KNP (above & below)** - Large composite N-S dyke comprising doleritic outside margin and large (wide) granophyric core with extensive aligned internal deformed (plastic or unsolidified) doleritic and macro-porphyrific basaltic inclusions. Immediately below Engelhard Dam wall, Letaba River.



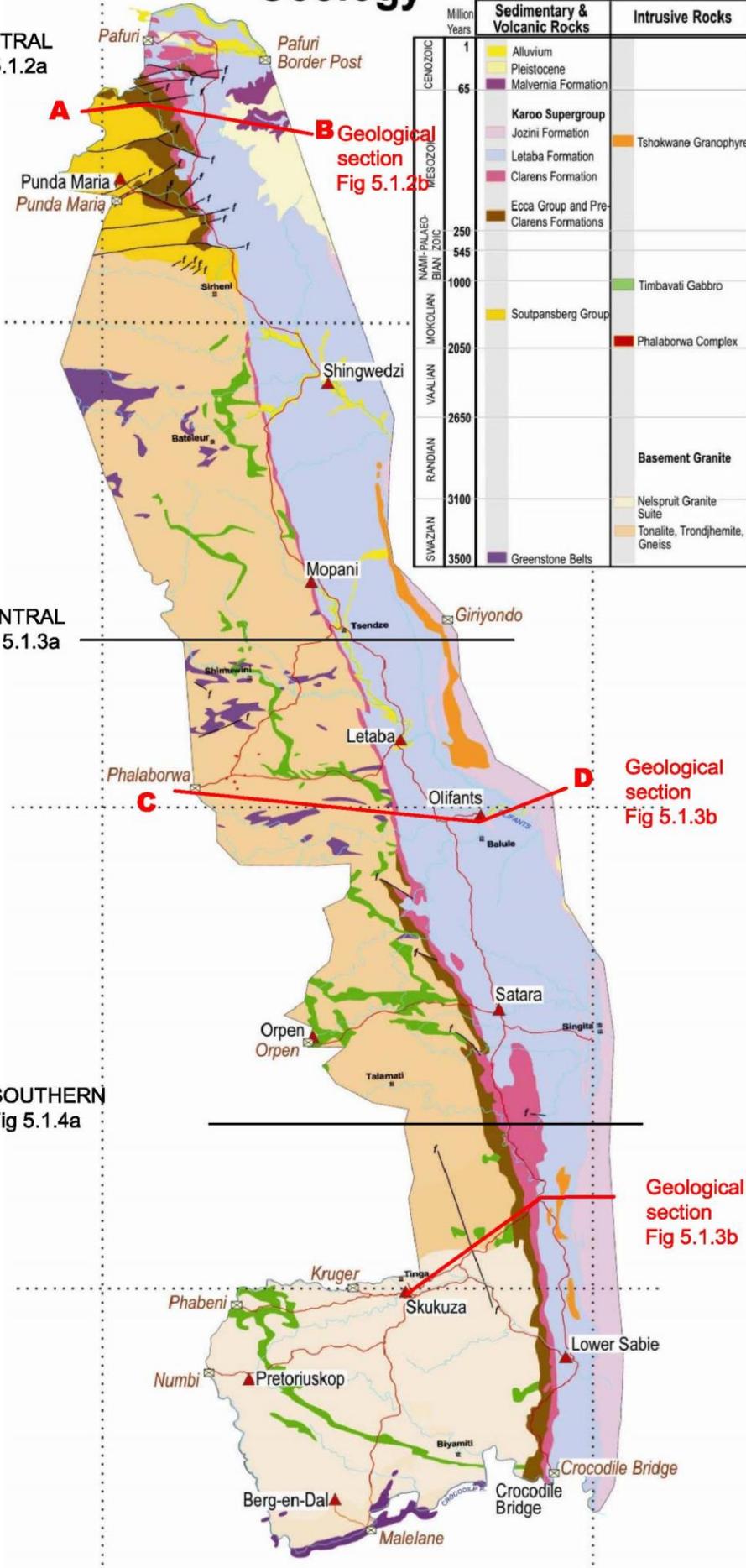


**KNP (above & below) – Sabie River Basalts - Macro-porphyrific (plagioclase feldspar) basalt lava flow and cross-cutting dolerite dyke (~182Ma) – Letaba River, S-E of Letaba River Restcamp.**



# Geology

CENTRAL  
Fig 5.1.2a



CENTRAL  
Fig 5.1.3a

Geological section  
Fig 5.1.3b

SOUTHERN  
Fig 5.1.4a

Geological section  
Fig 5.1.3b