

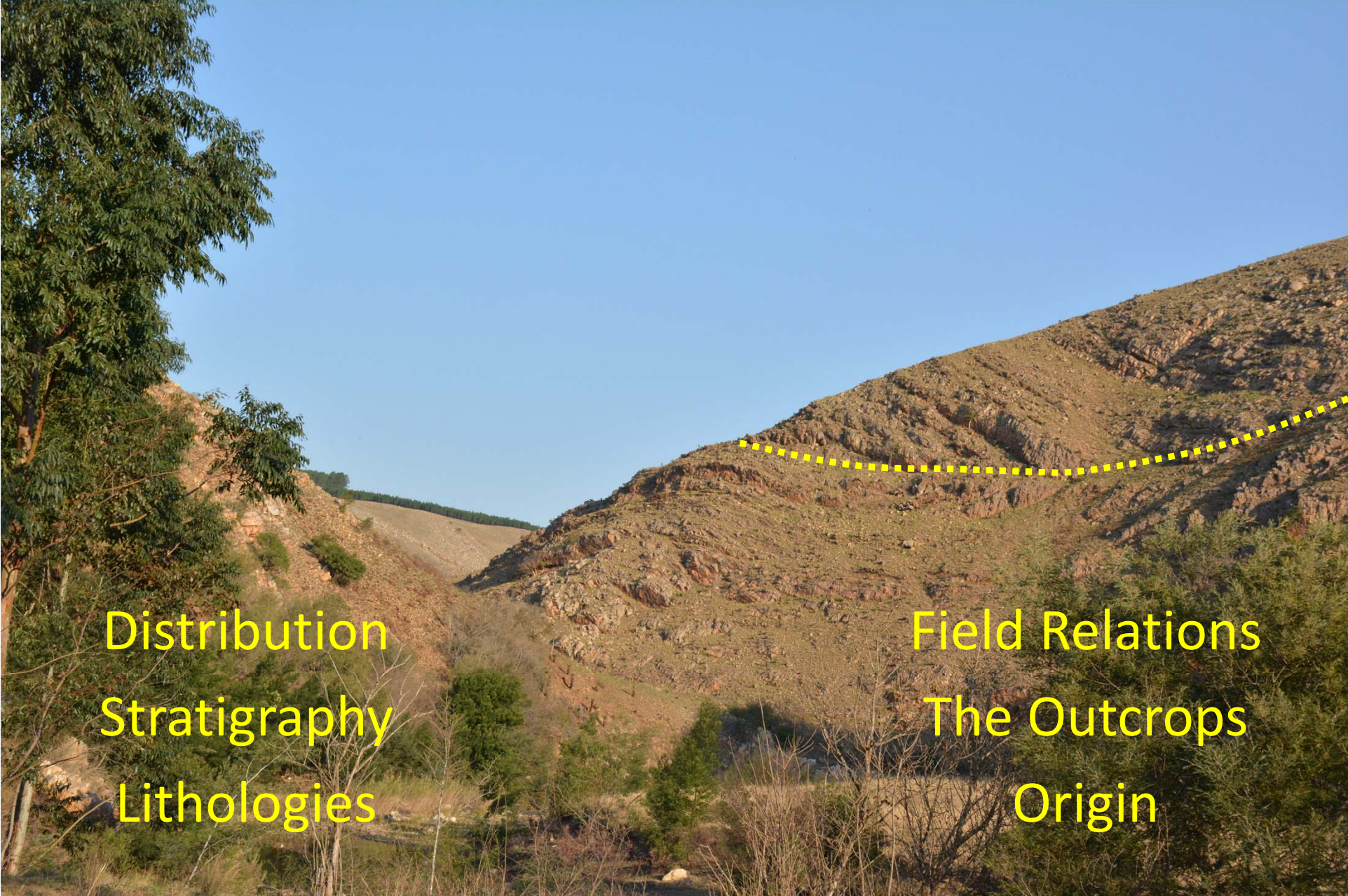
The Pongola Supergroup



Distribution
Stratigraphy
Lithologies

Field Relations
The Outcrops
Origin

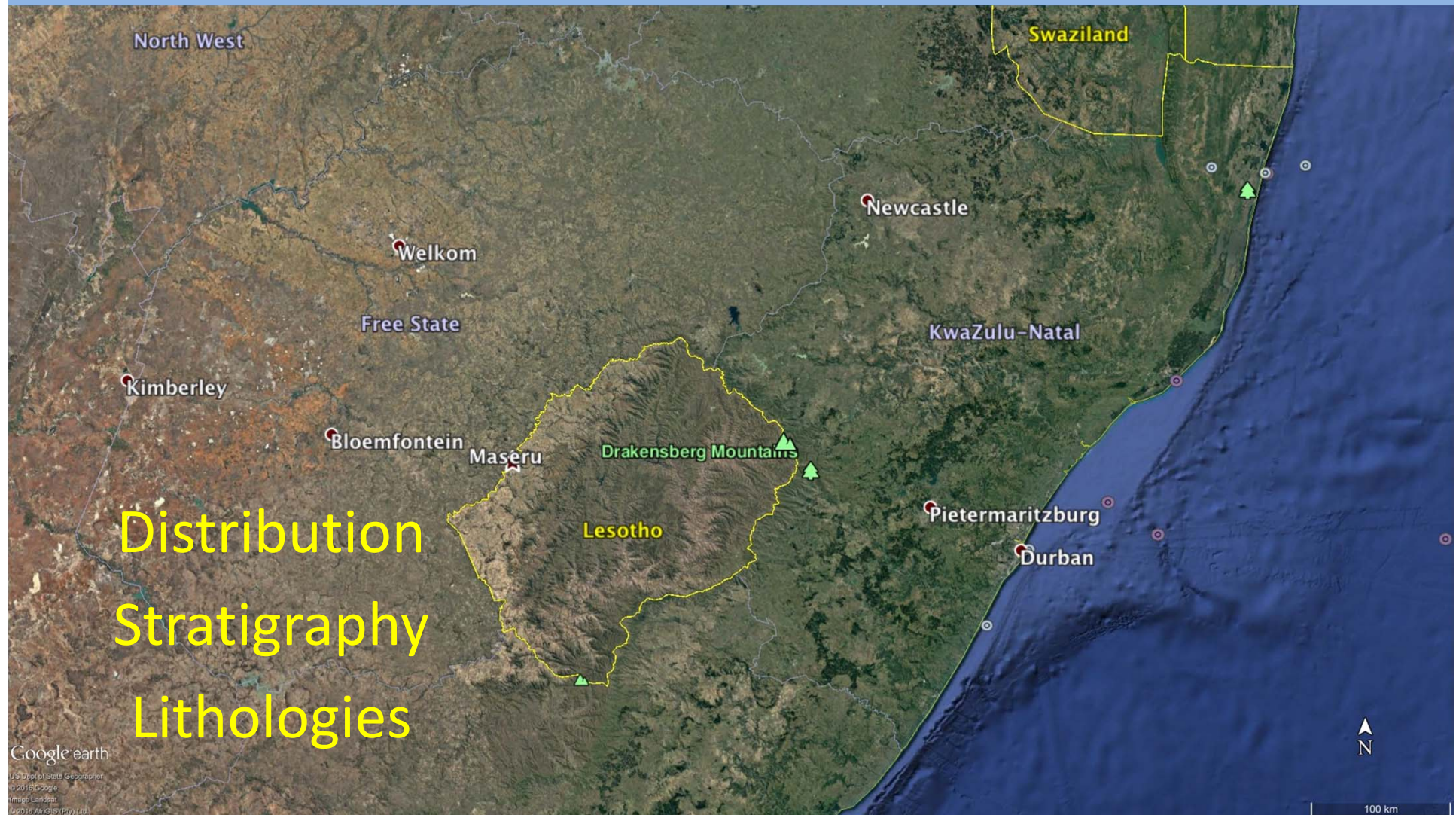
The Pongola Supergroup

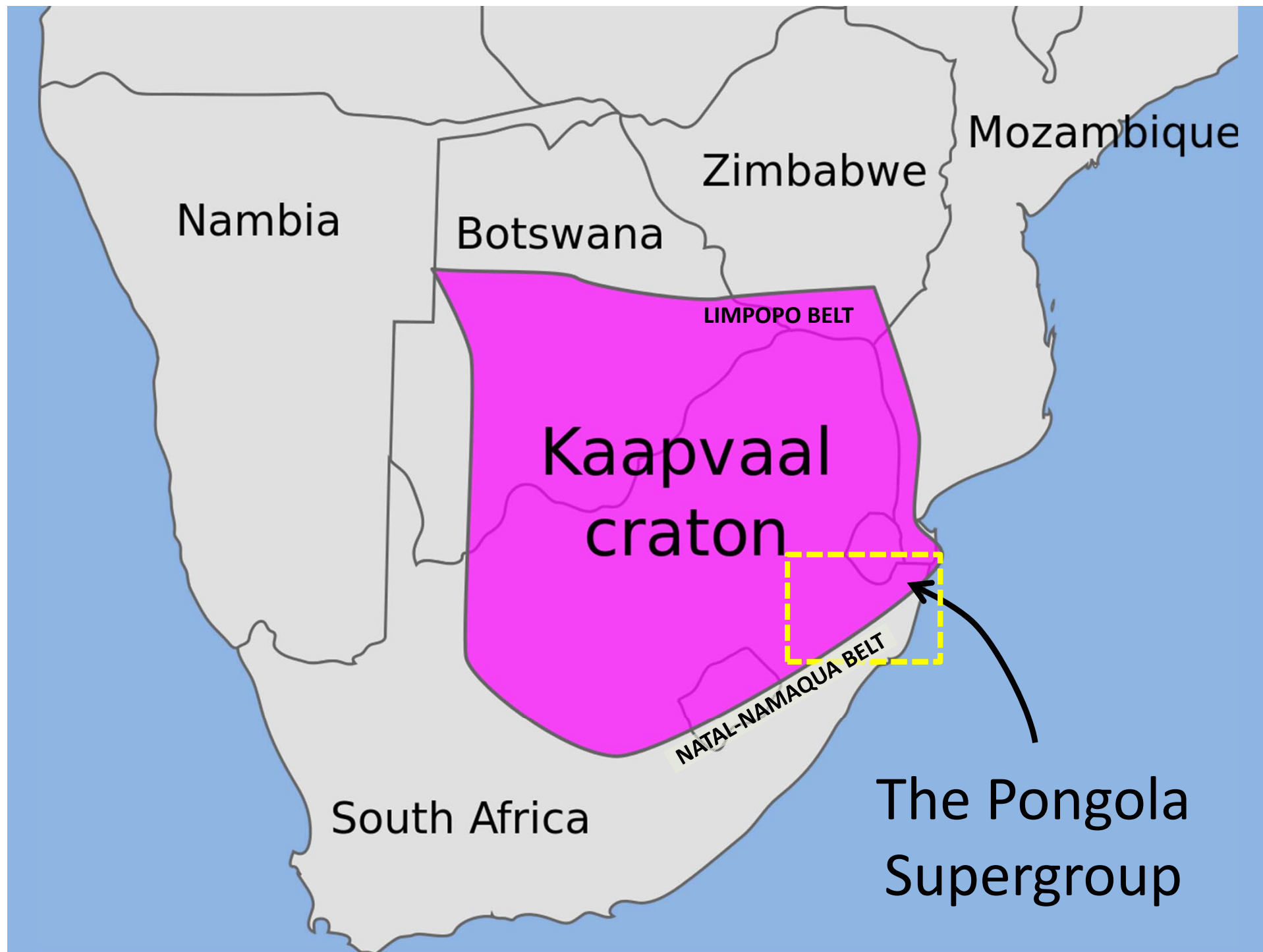


Distribution
Stratigraphy
Lithologies

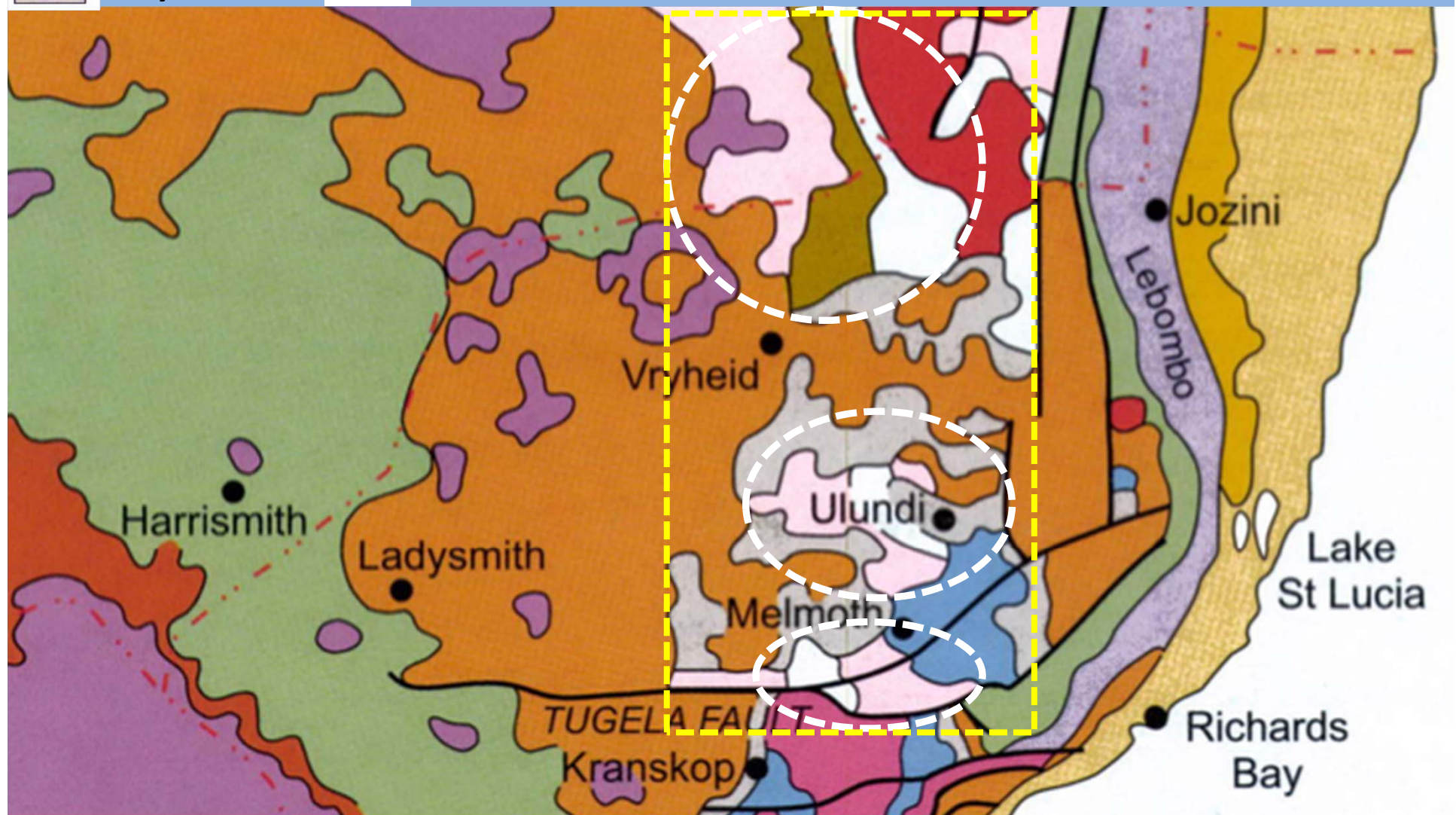
Field Relations
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Origin

The Pongola Supergroup





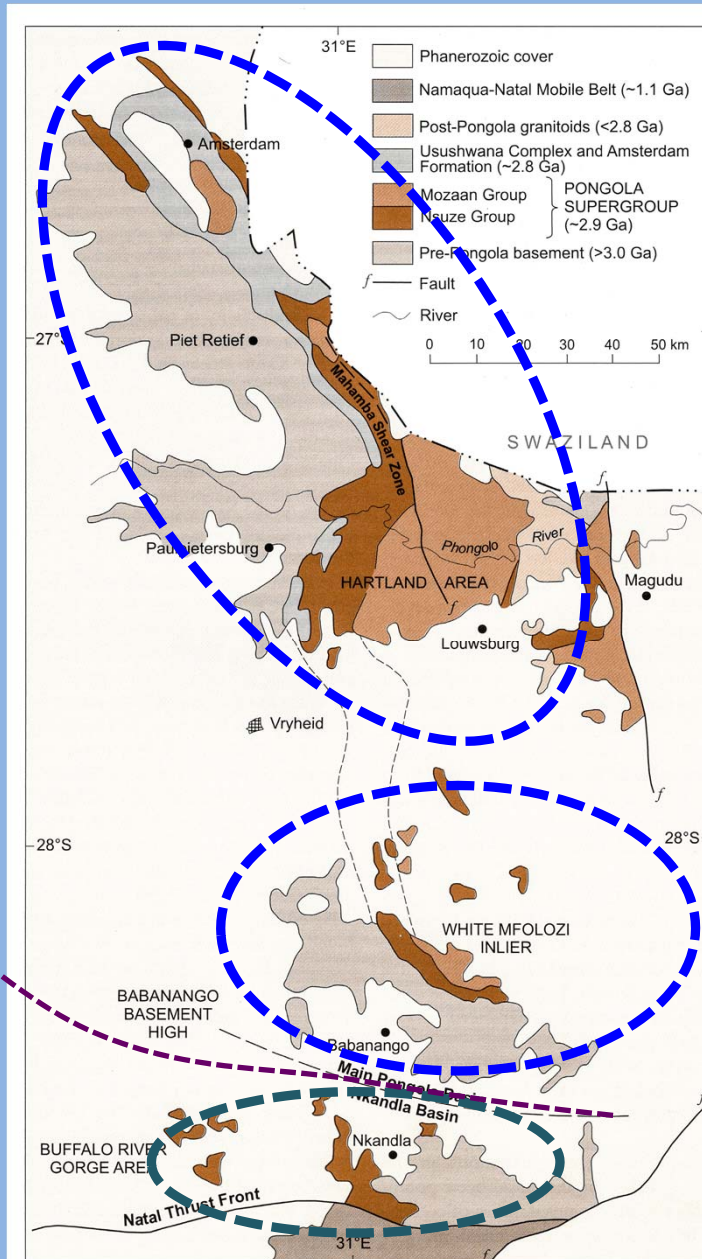
The Pongola Supergroup



The Pongola Supergroup

**NORTHERN
DOMAIN**

**SOUTHERN
DOMAIN**



Hartland Area

White Mfolozi Inlier

Mhlatuzi Inlier

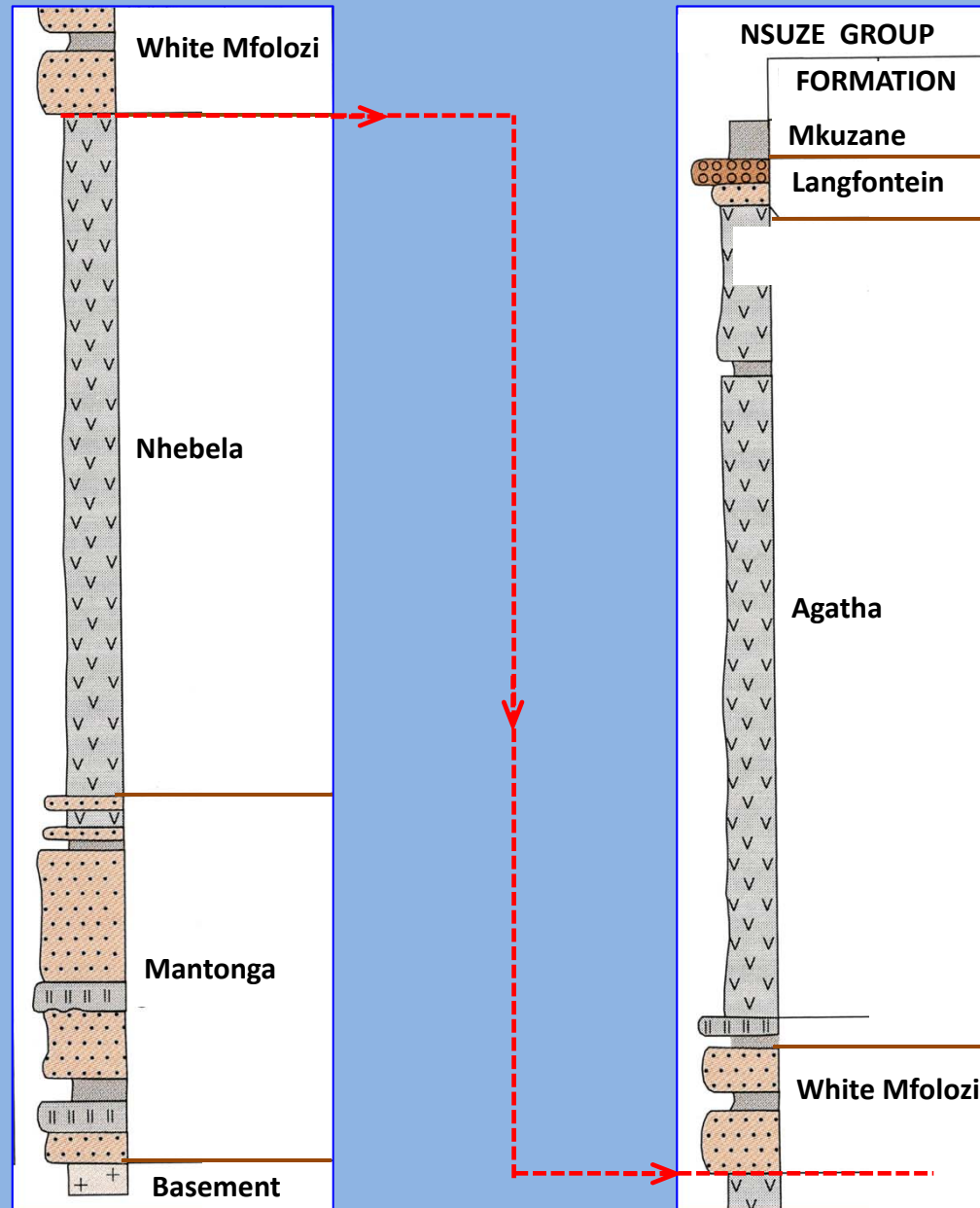
The Pongola Supergroup

STRATIGRAPHY OF THE NSUZE GROUP

	BIF / Fe mudrock
	Mudrock
	Sandstone
	Conglomerate
	Diamictite
	Pyroclastic rocks
	Basalt / andesite
	Granite / gneiss

~ 2.9 Ga

~ 3,107 ± 6 Ma

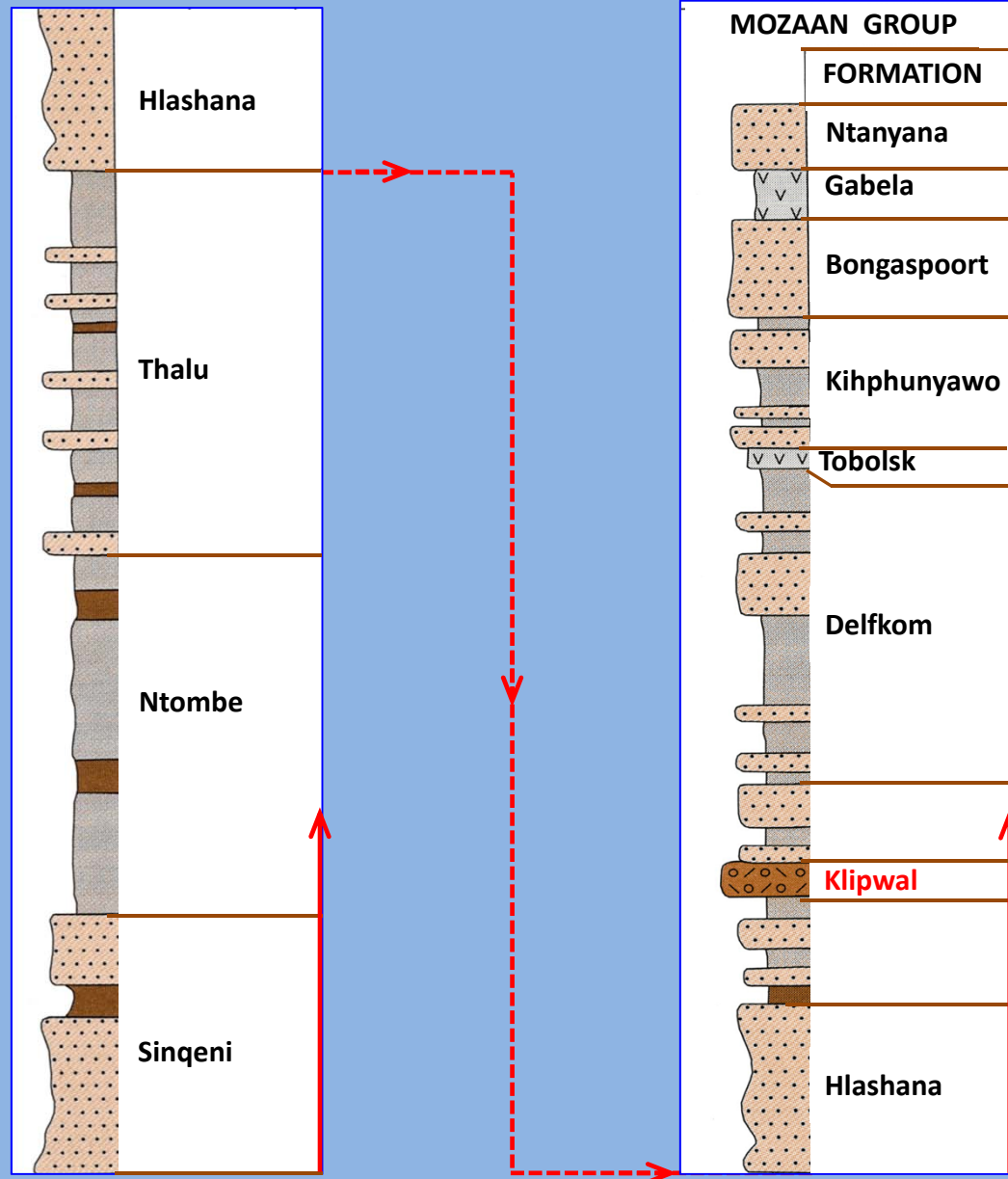


The Pongola Supergroup

STRATIGRAPHY OF THE MOZAAN GROUP

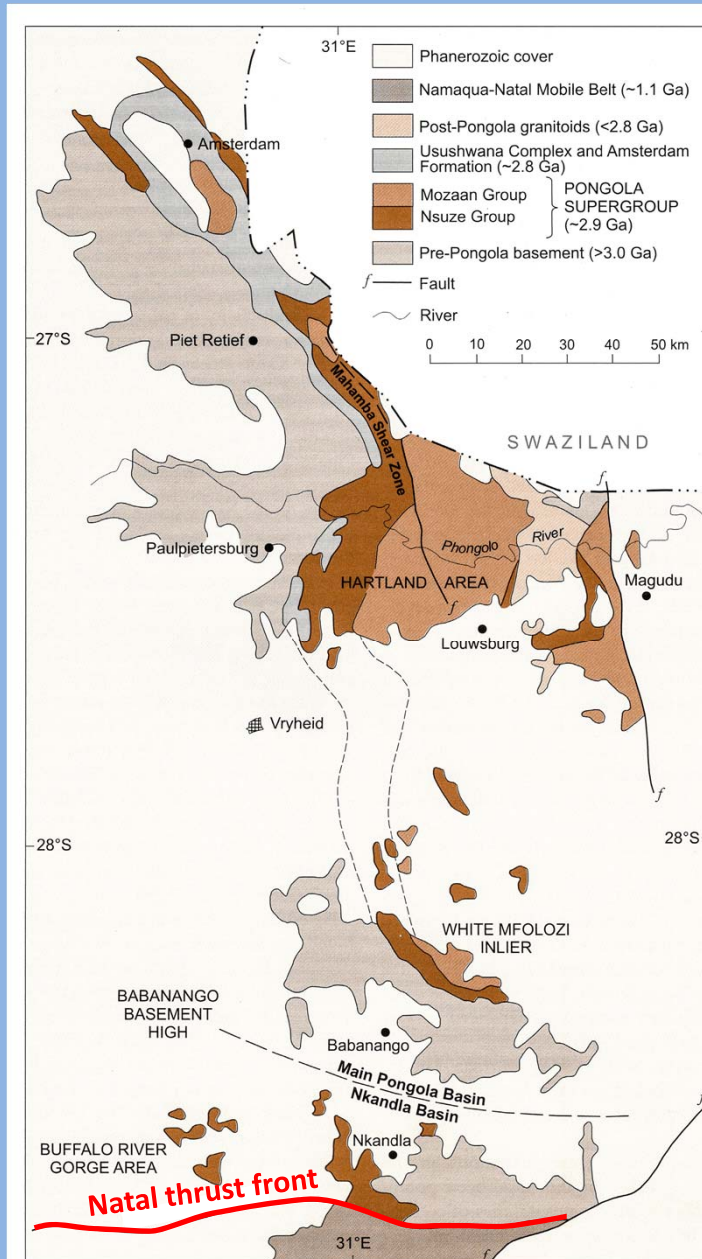
	BIF / Fe mudrock
	Mudrock
	Sandstone
	Conglomerate
	Diamictite
	Pyroclastic rocks
	Basalt / andesite
	Granite / gneiss

~ 2.9 Ga



The Pongola Supergroup

STRUCTURE



North relatively undeformed with shallow dips

South deformed with a series of upright synclines and anticlines

The Pongola Supergroup

STRUCTURE SOUTH

upright synclines
and anticlines



The Pongola Supergroup

STRUCTURE SOUTH



**Upright anticline
base of Mozaaan**

The Pongola Supergroup

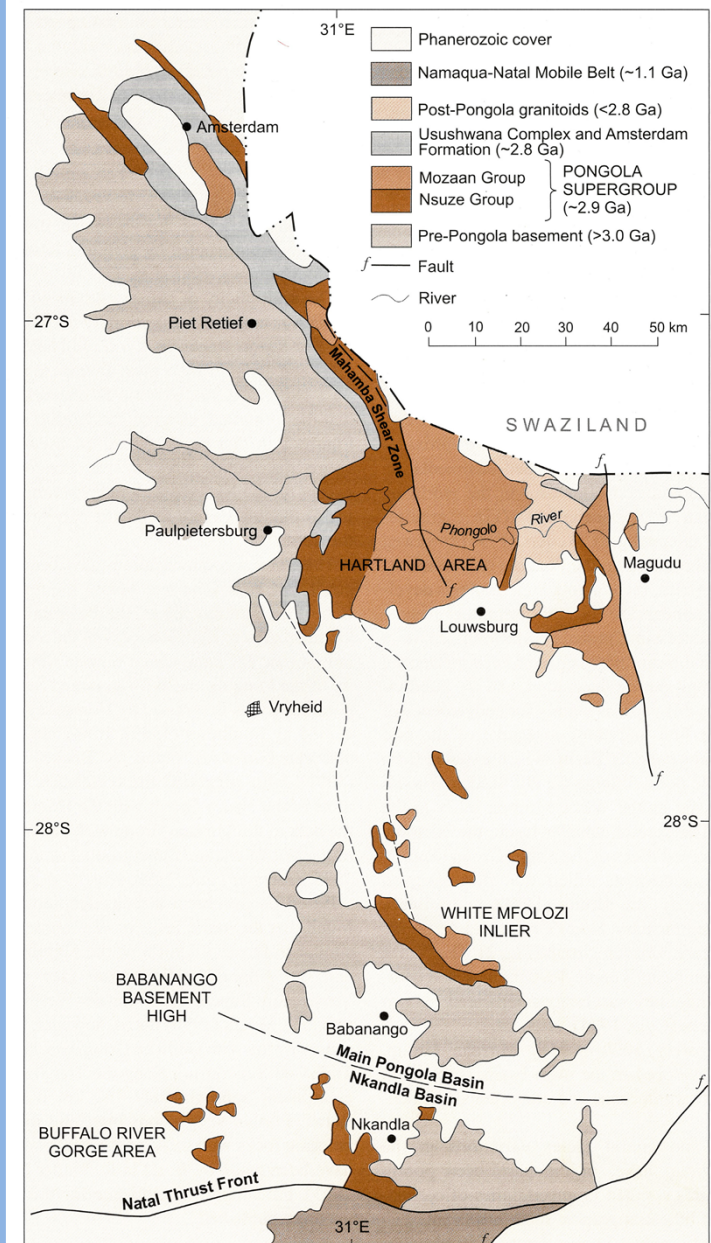
STRUCTURE



The Pongola Supergroup

PONGOLA SUPERLATIVES

- Oldest diamictite
- Cyclical volcanicity with wide compositional range
- Multiple thin komatiite flows
- Rhyolite pillows
- Pahoehoe structures
- Stromatolites
- Oldest sedimentary Mn
- Synchronous sedimentation and volcanicity
- Subaerial and subaqueous volcanicity
- Ultramafic pyroclastics



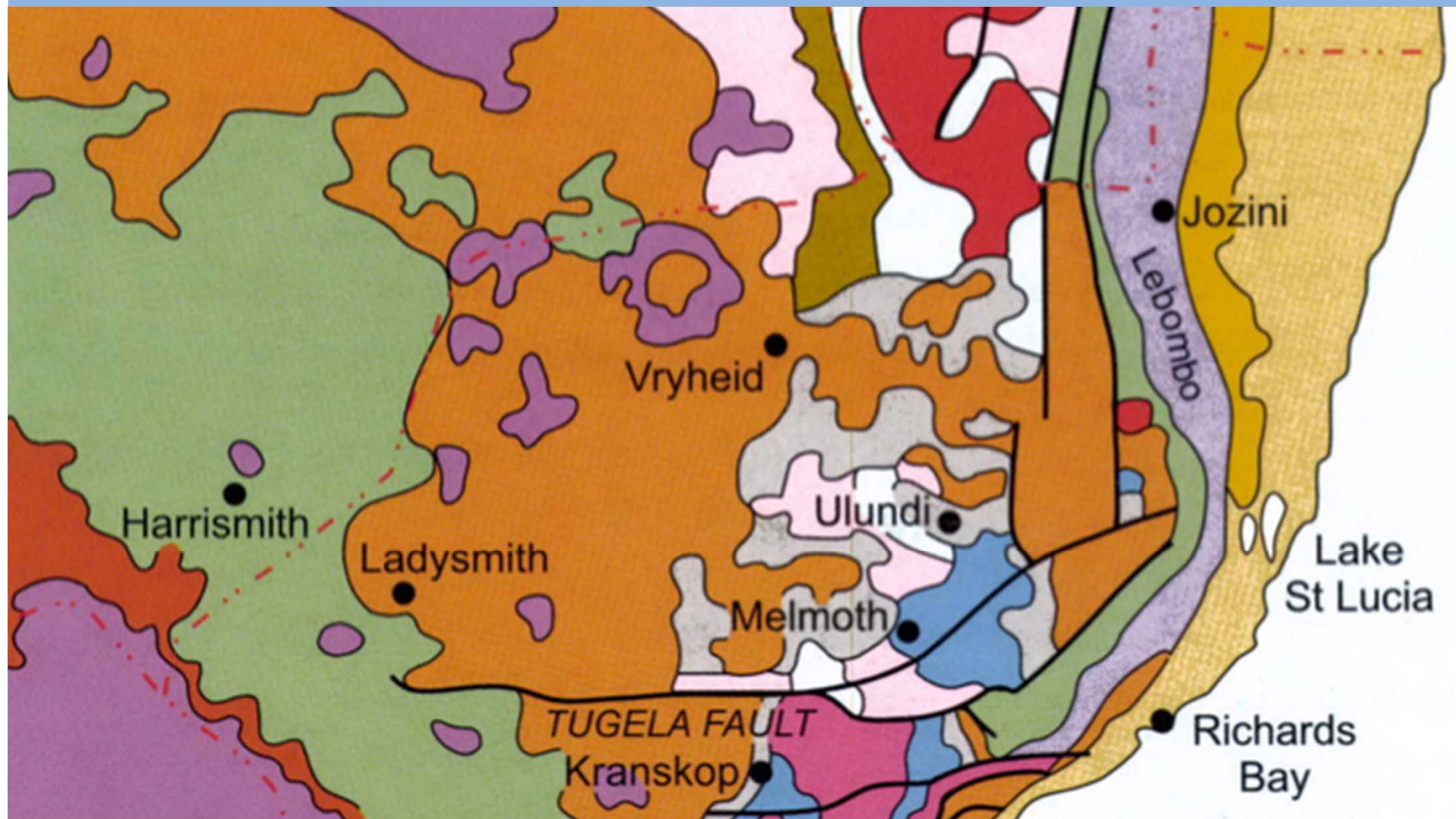
The Pongola Supergroup

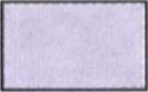
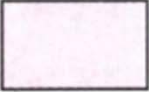
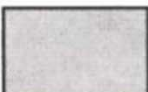
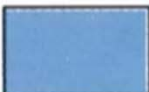
Field Relations

The Outcrops

Usushwana Complex

Origin



	Lebombo Group	KAROO SUPERGROUP		Kaapvaal Province basement granite and greenstone	
	Drakensberg Group			Natal Metamorphic Province basement granite and gneiss	
	Stormberg Group sandstone			Mozaan Group sandstone and shale	
	Beaufort Group mud and sandstone			Pongola intrusive granite	 Fault
	Ecca Group shale and sandstone			Nsuzze Group basalt	 Mainly unconsoli- dated sediment
	Dwyka Group tillite			Natal Group sandstone	 Zululand Group silt and sandstone

Lebombo
Drakensburg
Beaufort
Ecca
Dwyka

Kaapvaal Province
Natal Metamorphic Province
Mozaan Group
Intrusive granite
Nsuzze Group
Natal Group