

Borehole Information

Borehole Number:

105/25/K003/1A/H3

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL31/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -22.704448 , 27.883129

Location: Lerala

Start Drill: N/A

End Drill: N/A

Borehole Type: Exploration

Drilling Method: Core

Sample Type: Core

Depth of Surface Casing: N/A

Azimuth: Degrees

Hole Inclination: N/A

Collar Elevation: N/A

Borehole Water Strike: N/A

End of Hole (Depth): N/A

Log Formation:

No.	From (m)	To (m)	Log Formation
1.	0	2	Dark brown clayey Topsoil.
2.	2	5	Yellow calc/silc basement frag + qtz, Amphibolite, kfspar.
3.	5	23	Predominantly olive green clay highly weathered green/brown, mottled, gritty kimberlite (gritty in sense that it looks like immature Sandstone) inclusions variable 20-80% kfspar, Amphiboliteibolite.
4.	23	29	Kimberlite is mod fresh - fresh below 23m, olive green - grey generally features hypabyssal kimberlite. Inclusions variable 95-5% k-fspar and Amphiboliteibolite. Kimberlite is phlogopite bearing books up to 5mm observed.
5.	29	30	5% inclusions.
6.	30	32	20% inclusions
7.	32	33	10% inclusions.
8.	33	38	5% inclusions.
9.	38	40	Fresh grey - green, features hypabyssal kimberlite.
10.	40	46	90% inclusions pale green chloritic qtz.
11.	46	48	95% inclusions.
12.	48	50	Amphiboliteibolite and k-fspar - xenolith.
13.	50	51	52m 20% inclusions.
14.	51	53	Amphiboliteibolite - xenolith.

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Page Number: 1 | **Date/Time Stamp:** Fri, 18 Oct 24 09:02:18 +0200





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15.	53	59	20% inclusions
16.	59	62	20% inclusions - green layered microcrystalline qtz.
17.	62	65	5% inclusions.
18.	65	70	20% inclusions.
19.	70	72	40% inclusions.
20.	72	79	Grey, features, phlogopite bearing hypabyssal kimberlite.
21.	79	82	20% inclusions.
22.	82	85	50% inclusions.
23.	85	89	95% inclusions.
24.	89	97	30% inclusions.
25.	97	110	Fine, grey, features, phlogopite bearing hypabyssal kimberlite. Inclusions variable 95-5% Amphiboliteibolite and k-feldspar.

NB: For any enquiries, application, acquisition or verifications related to Water Boreholes, kindly contact the Department of Water and Sanitation for assistance.

