

Borehole Information

Borehole Number:

105/25/K003/1A/H11

Prospecting Company: De Beers Holdings Botswana

Prospecting License No.: PL31/88

Coordinates Type: WGS 84

Coordinates Format: Decimal Degrees

Coordinates: -22.70406 , 27.883902

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	1	Brown Topsoil.
2.	1	2	Orange/yellow Clays becoming greener down to 7m - calcretized kimberlite - remnant chips are highly weathered brown. Includes some 2 degrees iron stained qtz basement rubble.
3.	2	6	7m - predominantly hard calcrete.
4.	6	9	Predominantly yellow/green to green kimberlitic Clays with some remnant brown highly weathered kimberlite and abundant inclusions of weathered foliated brown qtz mica - Schist, quartz feldspathic gneiss, Amphibolitebolite and pink k-fspar.
5.	9	27	Mod - weathered phlogopite bearing kimberlite breccia - inclusion rich (chlorite Schists, QF gneiss and Amphibolitebolite) visually confuring. Can only gneiss at 50% k 50% inclusions.
6.	27	32	Notable abundance of phlogopite.
7.	32	39	Predominantly green/brown micaceous Schist shattered xenolith.
8.	39	47	Variuosly inclusion content, fresh, phlogopite bearing kimberlite breccia. Inclusions of Amphibolitebolite pink gneiss, k-fspar, quartz, qtz - mica Schist and chlorite Schist 20% - 80% inclusions.
9.	47	63	Pink felsic gneiss - xenolith.
10.	63	78	48-78m breccia kimberlite, difficult to define - generally chaotic. Oten difficult to separate kimberlite from various dark grey Schist. Inclusions variable from almost 100% to 5% micaceous Schist, k-fspar gneiss, chlorite Schist.
11.	78	81	Felsic gneiss.

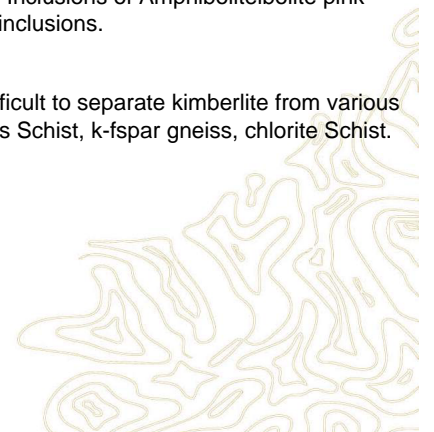
Physical Address: Plot 11566, Khama 1 Avenue, Lobatse, Botswana

Postal Address: Private Bag 0014, Lobatse, Botswana

Telephone: +267 533 0327 / +267 533 0428 **Fax:** +267 533 4295

Email: info@bgi.org.bw **Website:** www.bgi.org.bw

Page Number: 1 | **Date/Time Stamp:** Sun, 08 Sep 24 02:47:33 +0200





Borehole Information

- | | | | |
|-----|-----|-----|--|
| 12. | 81 | 97 | 80-97 highly weathered - drill product is predom, dark grey - green Clays Amphibolitebolite. |
| 13. | 97 | 101 | Qtz biotite gneiss. |
| 14. | 101 | 110 | 100% phlogopite rich & macrocrystic fresh hypabyssal kimberlite. Nice to see such comincing kimberlite for a change. |
-

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

