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Local geological terminology for the Kafubu emerald area (modified after "Handbook for...," 2003).

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Local name	Geological name	Description	Significance in
			exploration/mineralization
Paidas	Unaltered	Green rock with soapy or	Host rock for emerald
	massive/foliated talc-	greasy feel due to presence of	mineralization (source of
	magnetite schist	talc	chromium)
Chikundulu	Weathered talc-	Very soft, brown, highly	(Same as above)
	magnetite schist	weathered material; still retains	
		greasy/soapy feel	
Firestone	Tourmalinite	Altered talc-magnetite schist	Formed by metasomatism of
		consisting of tourmaline and	schist that accompanied emerald
		minor quartz; hard and compact	mineralization; indicator of
			potential emeralds in the vicinity
Cover	Biotite schist	Altered talc-magnetite schist	Principal mining target; hosts
		consisting of foliated black mica	emerald mineralization that
		_	formed by the metasomatism of
			talc-magnetite schist
Silver mica	Granitic pegmatite	Pink to off-white, coarse-	Appear genetically related to
		grained rock consisting of	hydrothermal veins that supply
		quartz, mica, and feldspar	beryllium
Mpemba	Weathered granitic	Soft, light colored vein material;	(Same as above)
·	pegmatite	alteration of feldspar to kaolin in	,
		granitic pegmatite	
Katanga	Mica schist	Brown to gray rock consisting of	Regional host rock to talc-
J		muscovite, biotite, and quartz	magnetite schist; does not directly
			host emerald mineralization
Ribbon	Narrow quartz vein	White quartz	Indicator of possible larger veins
Whitestone	Large quartz vein	Hard, compact white rock	Indicator for the presence of
		consisting of quartz with little	mineralized veins
		tourmaline	
Beam	Large quartz-	Mottled white-and-black	Indicator for the presence of
	tourmaline vein	appearance	mineralized veins
Pointers	Quartz crystals	Clear glassy to white quartz	Indicators of pockets of
	, , , , , , , , , , , , , , , , , , , ,	crystals	beryl/emerald mineralization
Chrocopiles	Poor-quality beryl	Very pale green or blue beryl	Indicator of Be mineralization
	con quanty cony.	crystals	
Bela	Poor-quality Beryl	Pale green beryl crystals	(Same as above)
Ubulungu	Small emerald	Small crystals that are bright	Too small to be economic, they
	crystals	green	may indicate better mineralization
	21,010.0	g 5	in the vicinity
Lwankole	Laterite	Brown, hard earthy material at	Presence of fragments of quartz
		the surface	and tourmalinite may be an
			indicator of mineralization below
Balance	Unconsolidated	Brown, loose earthy material at	(Same as above)
Dalarioo	laterite	the surface	(Came as above)
	Idionio	and duriable	<u>l</u>

Handbook for Small Scale Gemstone Miners in Zambia—Geology (2003) Unpublished document of the Mining Sector Diversification Programme, developed by the School of Mines, University of Zambia, Lusaka, 125 pp.