

## 2.9 Calderas

The crater lakes of Ngozi in Rungwe, Chala in Kilimanjaro and Embakai between Ngorongoro crater and Oldoinyo Lengai Mountain



Embakai Caldera with Mt. Oldoinyo Lengai in the background

## 2.10 Water Falls

**Kalambo Falls:-** The magnificent 2nd highest water falls in Africa with a 235 meter single drop waterfall on the border of Tanzania and Zambia on the south east end of Lake Tanganyika.

Rusumo falls on the Kagera River are a touristic attraction on the boarder with Ruanda. They are a part of the most distant Headwaters of the Nile River.



Kalambo Falls

Rusumo Falls

## 2.11 Mautia hill

The only locality in the world where spectacular green, purple variety of mineral "Yoderite" occur in nature in a complex skarn-type metamorphic mineral assemblage of hoegbomite, kornerupine, sapphirine, pyroxenes, edenitic hornblende and varieties of kyanite (brown, colorless, green and blue).

## 2.12 Eclogites

The most ancient ultra-high pressure "eclogites" at Yalumba, Ikola and Kungwe bay of Palaeoproterozoic age (about 2 billion years old) and Neoproterozoic eclogites at Chisi.

## 2.13 Rock paintings

Both animal and human prehistoric paintings on several shelters

on massive granite rocks are maintained near Kondo. Prehistoric items are also kept at their place of origin at Isimila near the town of Iringa

## 2.14 Meteorite

A twelve ton mass of iron and nickel is kept at the Mbozi Meteorite Museum near a farm in Southern Tanzania.



## 2.15 Hot Springs:

Tanzania has more than 50 hot springs mostly located along the East African Rift System potential for geothermal power



Songwe valley hot spring

## 2.16 Geological museum

The National Museum of Geology at the Geological Survey of Tanzania also provides you with a screen to browse around the geology of the entire country to see other spectacular details.

*For further information please contact:-*

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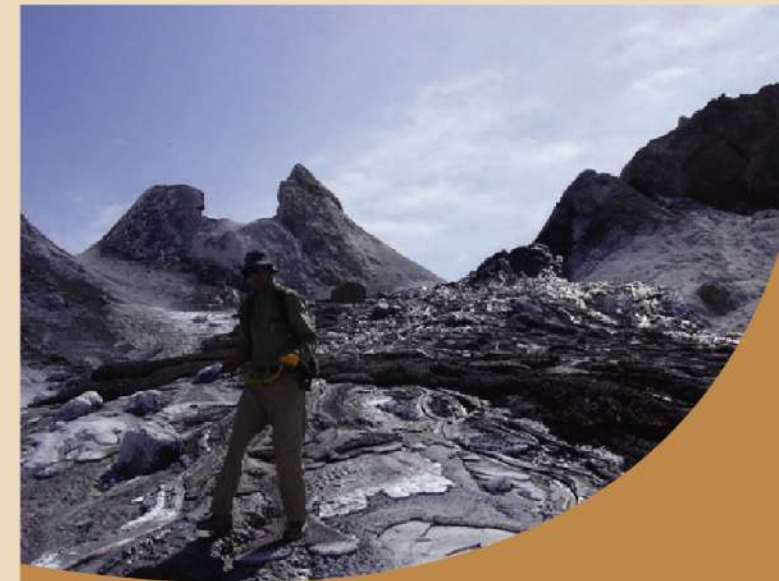
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# GEOLOGICAL SURVEY OF TANZANIA



## GEO-TOURISM IN TANZANIA





## 1.0 Tanzania is a focal place for geo-tourism

Tanzania is sanctified as a focal place for geo-tourism in the world by being provided with vast geological sites and scenarios of touristry attraction. This note is aimed at making tourism-lovers courant with this reality and invites them to the country to admire these wonders of the world's architecture.

## 2.0 Visit Tanzania to see:-

### 2.1 Galore of mineral wealth and other earth resources

The most favorable destination for mining investors; a country blessed to have litho-types virtually representing all the known chrono-stratigraphical units of the world ranging from Archaean, Proterozoic, Phanerozoic to Quaternary ages; a geological environment conducive for hosting diverse types of mineral deposits such as gold, base-metals, gemstones (tanzanite, diamond, emerald, sapphire, colored quartz, ruby, beryl, tourmaline, garnet to mention just a few), industrial minerals (building materials, phosphates, salts, kaolin, bauxite, bentonite, meerschbaum, gypsum etc), coal, hydrocarbon and groundwater



Nyakanga pit –Geita Gold Mine

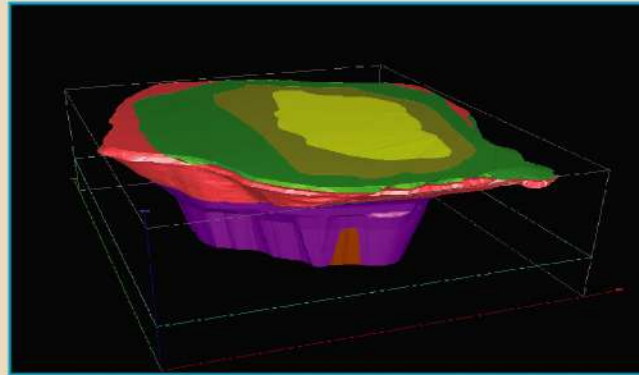
### 2.2 Merelani

The only locality in the world where spectacular gem-variety of zoisite (Tanzanite) is found in nature and economically mined.



### 2.3 Mwadui

Mwadui is one of the largest diamondiferous kimberlitic pipe in the world and one of the oldest operating diamond mine.



### 2.4 Kilimanjaro

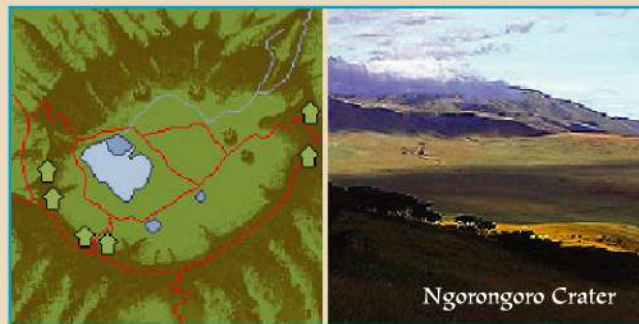
The roof of Africa standing at 5,895 m.a.s.l., making it the highest volcanic peak in the world.



Snow-caped Mt. Kilimanjaro only 30south of the equator

### 2.5 Ngorongoro crater

One of the ten wonders of the world, the largest volcanic crater in the world hosting rich biodiversity where man and his livestock live symbiotically with wildlife



Ngorongoro Crater

### 2.6 Oldoinyo Lengai:

The only carbonatite volcano on the planet Earth. Around it Masais' cattle and wildlife are grazing in the midst of regularly erupting Gregorite and/or Nyerereite lava flows.



Oldoinyo Lengai eruption ejecting tufaceous fumaroles and lava flows

### 2.7 Olduvai Gorge

The Cradle of Mankind with spectacular and very fertile volcanic ash blankets laid over Precambrian metamorphites where the earliest known off-springs of Adam and Eva found most favourable environment to live.



Olduvai Gorge on the ground and from the air

### 2.8 The East African Rift Valley

Host of largest and deepest lakes of Africa (e.g. Lake Tanganyika), diverse types of evaporate salt deposits (e.g. Lake Natron), hot springs and volcanic cinder cones and craters with caldera. The rift system imparts elevation difference of the dissected land-masses superb for hydropower generation and an environment. where black monkeys of the Udzungwa, the rare Kihansi toad specie, aromatic rice farms of Kilombero and fishes in meandering rivers share habitat.

