

GEOLOGICAL AND MINERAL RESOURCES MAP OF NASARAWA STATE, NIGERIA
(MINERAL POTENTIAL ZONES)

Location & Major Minerals

- 1----- Lithium, Tourmaline, Columbite-Cassiterite
2----- Lithium, Tourmaline, Aquamarine & Tantalite
3----- Lithium, Tourmaline, Columbite-Cassiterite
4----- Lithium & Beryl
5----- Tourmaline, Aquamarine, Amethyst, Lead-Zinc & Malachite
6----- Gold & Lithium

EXPLANATIONS

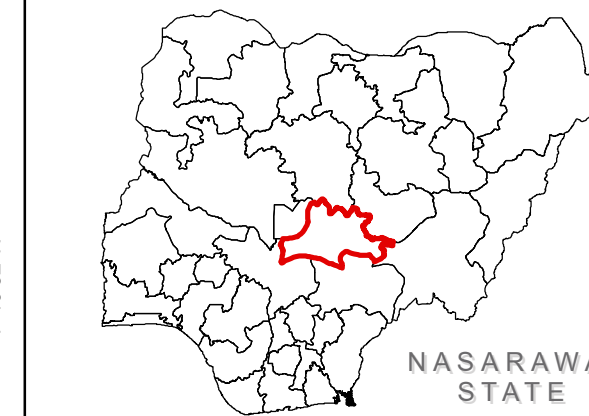
- Al River Alluvium
b Basalts
bb Older Basalts
JyG Biotite Granite
JyS Syenite, quartz syenite and gabbro
Nsh Shales and mudstones
ANsh Shales and Limestones
Ess Sandstone
Esh Black shales, siltstones and sandstones
Lass Sandstones, shale and sandy shale
Arish Shales and Limestones
Fss Feldspathic sandstone and siltstone
OGe Medium - Coarse grained biotite granite
OGp Porphyritic Granite
OGu Undifferentiated Older Granite
Su Undifferentiated Schists
mS Muscovite Schists
OPg Porphyroblastic gneiss
GG Granite gneiss
M Migmatite

- ⊖ Baryte
◇ Marble
⬢ Muscovite
⬢ Limestone
● Mica
● Glass-sand
⬢ Columbite -cassiterite
⬢ Iron-ore
⬢ Tantalite
⬢ Tourmaline
⬢ Beryl
⬢ Aquamarine
⬢ Topaz
⬢ Brine
⬢ Coal
⬢ Calcite
⬢ Kaolin
⬢ Graphite
⬢ Fire-clay
⬢ Galena
⬢ Lead-zinc
⬢ Wolframite
⬢ Zircon
⬢ Ruby
- INDUSTRIAL MINERALS
METALLIC MINERALS
PRECIOUS MINERALS GEMSTONES
EVAPORITE
INDUSTRIAL MINERALS
METALLIC MINERALS
PRECIOUS MINERALS GEMSTONES

- Recent - Sediments
Pre - Alkaline Volcanics
Nkporo shale group
Jangwa Fm. - Turonian
Ezeaku/Keana- Awe formation - Cenomanian
Lafia sandstone - Maestrichtian
Asu River group - Albian
Nupe sandstone - Maestrichtian
Pan-African Older Granite Series
Meta - Volcanic-Sedimentary Series
Migmatite - Gneiss Complex
- QUATERNARY
TERTIARY TO RECENT
CRETACEOUS
PRECAMBRIAN TO RECENT BASEMENT COMPLEX

- Geological Boundary Approximate
--- Geological boundary definite
--- Geological Boundary Inferred
--- Ring structure and dyke
--- Faults
--- Road network
--- State boundary
--- Railway
--- Rivers
--- Major river

- New Commodity
⊖ Baryte
⬢ Brine water
⬢ Coal
⬢ Copper
⬢ Gold
⬢ Iron ore
⬢ Lead/ Zinc
⬢ Limestone
⬢ Malachite
⬢ Pyrite
⬢ Tantalite
⬢ Tin/ Cassiterite
⬢ Lithium



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