

GEOLOGICAL AND MINERAL RESOURCES MAP OF SOUTH- WEST ZONE, NIGERIA

Niger

Kwara

Kogi

South West Zone of Nigeria

EXPLANATION

- Csd Sand and Marsh
- Bnst Sand and clay
- lmsh Shale and Siltstone
- lssh Sand, clay and shale
- Eshl Shale, limestone and Siltstone
- Ajst Grit, sandstone, mudstone and shale
- Asl Sandstone and limestone
- Mcst Coal, Shale and Loose sand
- Nsh Shale and mudstone
- P Pegmatite
- OGd Biotite and biotite hornblende graniodiorite
- OSa Quartz syenite
- OGh Coarse porphtritic hornblende granite
- OGb Coarse pophyritic/popphyritic mica granite
- OGp Coarse grained porphyritic biotite and biotite hornblende granite
- OGf Fine grained biotite granite
- OGm Medium - coarse grained biotite and biotite hornblende granite
- OGu Undifferentiated granite including granite gneiss and migmaite
- OD Quartz diorite
- OGCh Charnockite and charnockitic rock
- e Meta diorite
- Sa Amphibole schist, Amphibolite
- St Talc schist
- Sb Biotite garnet gneiss and schist
- m Marble
- Sf Fine grained flaggy quartzite and quartz schist
- Qs Flaggy quartzite and quartz schist
- Su Undifferentiated schist
- OPg Porphyroblastic gneiss
- GGm Muscovite and tourmaline granite gneiss
- GGh Hornblende granite gneiss
- GG Granite gneiss
- Ge Quartz feldspathic granulite and gneiss
- Sm Muscovite schist
- Gb Banded gneiss
- MaG Migmatitic Augen Gneiss
- mG Migmatitic gneiss
- M Migmatite
- qS Silicified sheared rocks and quartz veins
- r Rhyolite

- Geological Boundary Definite
- Geological Boundary Approximate
- Geological Boundary Inferred
- Geological Boundary Transitional
- Strike and dip of foliation
- Strike and dip of bedding
- Fracture / Fault Definite
- Fracture / Fault Approximate
- Structural Trend Lines
- Magnetic Fault
- Fracture / Fault from Airborne Geophysical Survey map
- Sand Bars
- Major Road
- Rivers

MAP HISTORY

This first edition depicts the Geological and Mineral resources of South West Zone collated from the data compiled by NGSA state offices. In 2004, the existing data on the geological and mineral resources of the zone was reviewed for each state under the permission of former Director General (Prof. Siyan Malomo), supervised by Mr. O. Ezewu (Zonal Coordinator) Detailed Geological mapping and field checks were carried out especially in areas suspected to be mineralized.

" ZONAL MINERAL RESOURCES MAP OF NIGERIA"

Data collection: Between 2019 - 2025, NGSA has generated more recent mineral location database to update the map content, Supervised by Director Economic Geology (Mr. Isaac Okwor)

Compilation and Checking/ Cartographic Design and GIS Map Reproduction: Supervised by: Mr. Ayodele A. Omotehinse (Chief Technical Officer, Cartography)

Entire Project undertaken by NGSA under the supervision of the Director General.

- Chenier Complex
- Benin Formation
- Imo Formation
- Ogwashi - Asaba Formation
- Ilaro Formation
- Ewekoro Formation
- Ajali Formation
- Abeokuta Formation
- Mamu Formation
- Nkpore Group
- Older Granite series
- Meta - sedimentary and Meta - volcanic complex
- Gneiss - Migmatite Complex
- Pleistocene/ Oligocene
- Paleocene
- Oligocene/ Miocene
- Upper Eocene
- Paleocene - Eocene
- Maastrichtian/Danian
- Maastrichtian
- Campanian
- NEOGENE
- PALEOGENE
- CRETACEOUS
- PAN - AFRICAN
- PRE - CAMBRIAN- CAMBRIAN CRYSTALLINE BASEMENT COMPLEX

- C Clay and Pottery clay
- K Kaolin
- t Talc
- Limestone
- Quartz/Amethyst
- Silica Sand
- Muscovite
- Phosphate Rock
- Mica
- Marble
- Silliminite
- Gypsum
- Bauxitic Clay
- Tantalite
- Iron Ore
- Columbite
- Cassiterite
- Gold
- Gemstone
- Aquamarine
- Corundum
- Beryl, Aquamarine
- Petroleum and Gas
- Bitume/Tar sands
- Coal
- Sands
- Dimension Stone
- Lithium - (Ambigonite, Kunzite, Moganite, Spodumene, etc)
- Feldspar
- Lepidolite
- Tourmaline
- Aggregate
- Tar sand

INDUSTRIAL MINERALS

METALLIC MINERALS

PRECIOUS MINERAL

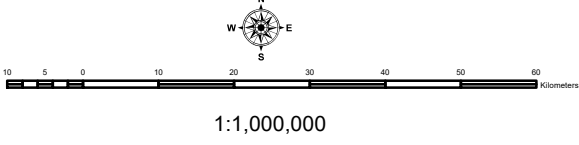
SEMI - PRECIOUS MINERALS

ENERGY MINERALS

STRUCTURAL/ MATERIALS

NEW DISCOVERY

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