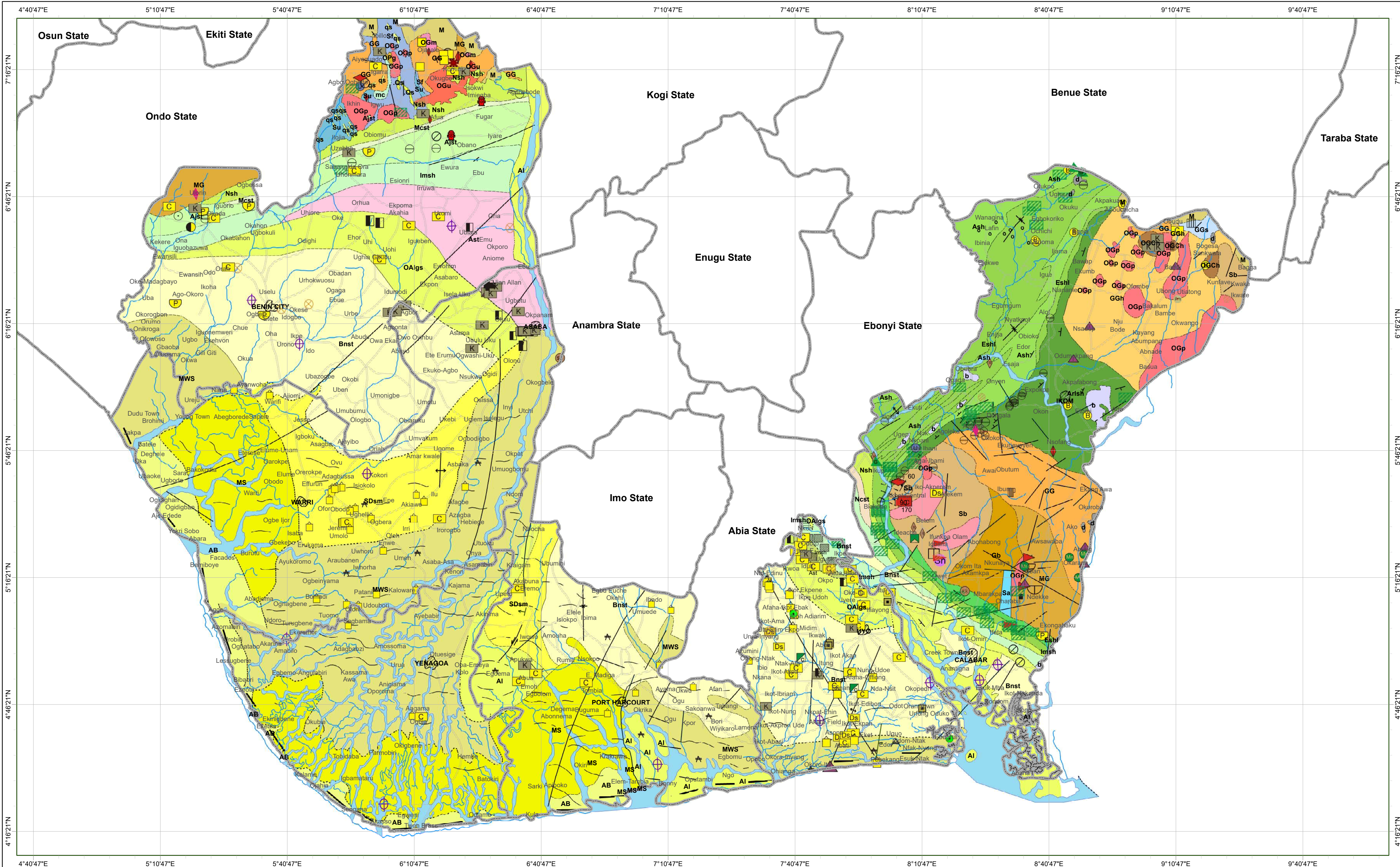
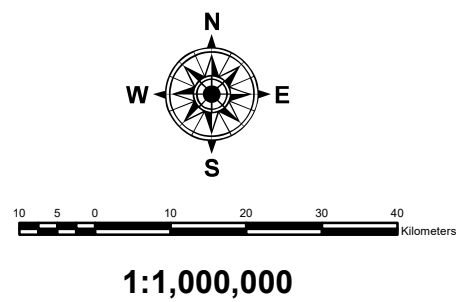
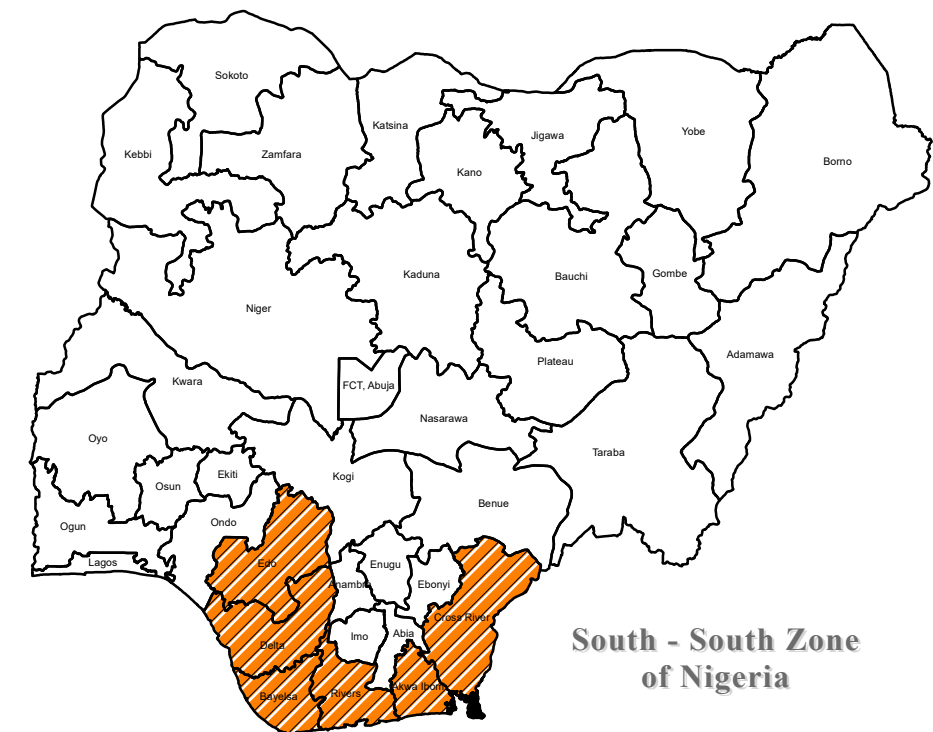


GEOLOGICAL AND MINERAL RESOURCES MAP OF SOUTH - SOUTH ZONE, NIGERIA



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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 Okwon)

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.

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PROF. OLUSEGUN O. IGE., FNMGS

Director General



EXPLANATIONS

- Al Alluvium
- MWS Sand and gravel
- AB Sand and pebble
- MS Sand, clay and mangrove swamps
- SDsm Sand, clay and swamp
- Bnst Sand and Clay
- b Basalt
- OAlgs Clay sandstone lignite and shale
- Ast Clay, clayey sands and shale
- imsh Clay and shale with limestone intercalations
- d Dolerite/Basic intrusions
- Nest Coal sandstone and shale
- Ajst False-bedded sandstone, coal and shale
- Mest Coal sandstone and shale
- Nsh Shale and mudstone
- Ash Shale and Limestone
- Eshl Shale and Limestone
- Arish Shale and Limestone with sandstone intercalations
- OGd Diorite
- OGp Porphyritic granite/coarse porphyritic biotite and hornblende granite
- OGm Medium to coarse grained biotite granite
- OGu Undifferentiated older granite
- OGCh Charnockitic Rocks
- Sa Amphibole Schist, Amphibolite
- Sb Biotite Garnet Gneiss Schist
- Sf Fine - grained flaggy quartzite and quartz schist
- Qs Quartzite
- Su undifferentiated schist
- MC meta-conglomerate
- GGs Garnet sillimanite gneiss
- OPg Porphyroblastic Augen gneiss
- GGh Hornblende granite gneiss
- GG Granite Gneiss
- MG Migmatite Granite Gneiss
- Gb Banded Gneiss
- M Migmatite
- qs Silicified shear rock large quartz

- Geological boundary definite
- Geological boundary approximate
- Geological boundary inferred
- Strike and Dip of bedding..
- Synclinal axis
- Aeromagnetic fault
- Aeromagnetic fault showing direction of movement
- Fault showing sense movement
- Fault fracture inferred
- Volcanic plugs and pipes
- Shell_BP deepest well
- Sandbars
- International boundary
- Roads
- Railway
- Rivers

- Pyrite
 - Rutile
 - Cassiterite
 - Tantalite
 - Monazite
 - Sulphides
 - Manganese
 - Gold
 - Quartz Amethyst
 - Corrundum
 - Tourmaline
 - Lignite
 - Bitumen
 - Oil and Gas
 - Dimension stone
 - Brine
 - Kaolin/Kaolinic clay
 - Gypsum
 - Clay/Pottery clay
 - Limestone
 - Marble
 - Feldspar
 - Mica
 - Glass sand
 - Ball clay
 - Baryte
- METALLIC MINERALS
- PRECIOUS MINERAL
- SEMI - PRECIOUS MINERALS
- ENERGY MINERALS
- BUILDING/STRUCTURAL MATERIALS
- CHEMICAL MINERALS
- INDUSTRIAL MINERALS

- Sediment
 - Meander Belt back swamps
 - Abandoned beach ridges
 - Mangrove swamps
 - Sambreiro Deltaic plain
 - Benin Formation
 - New basalt
 - Ogwashi-Asaba Formation
 - Ameke Formation
 - Imo Formation
 - Younger Granitoids
 - Nsukka formation
 - Ajali Formation
 - Mamu formation
 - Nkporo Group
 - Awgu Formation
 - Eze Aku group
 - Asu River Group
 - Older granite series
 - Meta - sedimentary / Meta - volcanic Complex
 - Gneiss - Migmatitic complex
- Recent
- Holocene
- Holocene
- Pliocene / Pleistocene
- Oligocene / Miocene
- Eocene
- Lower Eocene
- Coniancian / Maastrichtian
- Turonian
- Albian
- PALEOGENE
- CRETACEOUS
- PAN - AFRICAN
- PRE - CAMBRIAN
- CRYSTALLINE BASEMENT COMPLEX

New Discovery

- Clay
 - Construction Sand
 - Glass Sand
 - Gravel
 - Ilmenite
 - Kaolin
 - Laterite
 - Laterite and Gravel
 - Lignite
 - Limestone
 - Aggregate
 - Coaly Shale
 - Ferruginized Claystone
 - Swamp Clay
 - Ambilgonite
 - Amethyst
 - Antophyllite
 - Barite
 - Feldspar
 - Galena
 - Granites
 - Graphite
 - Iron Ore
 - Lepidolite
 - Manganese
 - Marble
 - Sand
 - Tin
 - Tourmaline
 - Uranium
 - GOLD
 - Amethyst
 - BENT CLAY
 - CLAY(KAOL)
 - DOLOMITE
 - MARBLE
- Commodity