

ANNEX 7

GEOLOGY AND MINERAL COMMODITIES IN EACH STATE

1. Abia

Mineral deposits are found in weathered and solid basement rocks (lead/zinc veins and dolerite - quarried for aggregate) and sediments overlying basement bedrock (river alluvium with kaolin, sands, gravel, laterite and salt).

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Silica sand	Aba	Aba	Active mine	Geominex
Galena	Isiagu	Abia	Active quarry	Pedmagrek

Occurrences: Limestone (3), Phosphate (2), Bentonite (3), Lignite (1), Kaolin (1), Silica sand (1), Granite (1).

2. Adamawa

Cretaceous sediments underlie the Gongola River valley with Precambrian basement to the north and south. Mineral deposits worked include limestone for cement, granite quarried for aggregate, kaolin for chalk manufacture and sand and gravel for aggregate. There are some indications of barite, gypsum and gemstones.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Gypsum	Gwalura	Guyuk	Prospect	35,500 tons reserve
Magnesite	Sakatsimta		Prospect	347,700 tons reserve

Occurrences: Cassiterite (2), Bentonite (2), Feldspar (1), Graphite (1), Clay (1), Uranium (1).

3. Akwa Ibom

The state is underlain by Precambrian Basement covered by a variable thickness of sands and gravels. Mineral deposits worked include alluvial sands and gravels, clay, laterite and limestone.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Kaolin	Ikot-Ikwere	Itu	Active mine	239,200 tons reserve
Silica sand	Iwun Ukem	Utu Ekpo	Etem Active mine	2,000,000 tons reserve

4. Anambra

The state is underlain by Precambrian Basement granite, seen in isolated outcrops, covered by alluvium derived from the weathering of granite. Minerals deposits worked include kaolin, clay and river sand.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Lignite	Nnewi	Nnewi North	Active mine	30,000,000 tons reserve
Rutile	Nanka Sands		Prospect	

Occurrences: Kaolin (1).

5. Bauchi

The state is underlain by Precambrian Basement rocks that include migmatites, gneisses, quartzites, granites, granite gneisses, charnockites, diorites, gabbros, volcanic and hypabyssal rocks of the older series that are intruded by the Younger Granites, the latter dominating Bauchi State. Mineral deposits worked include cassiterite, columbite, tantalite and kaolin within alluvial deposits derived from the weathered granites, and lead, zinc, feldspar and gemstone deposits that occur within veins and in the solid basement rocks.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Cassiterite	Kogo/Rishi Hill	Toro	Prospect	
Cassiterite	Tongolo complex, Yeli		Artisanal mine	
Kaolin	Darazo	Darazo	Prospect	12,800,000 tons reserve
Pyrite	Yelwa Rishi	Toro	Prospect	2,900,000 tons reserve

Occurrences: Cassiterite (4), columbite (1), graphite (1), wolframite (2), Topaz (1).

6. Bayelsa

N/R

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Clay	Biseni	Yenegoa	Prospect	55,000,000 tons reserve

Occurrence: Glass sand (1).

7. Benue

The state is primarily underlain by Cretaceous age sedimentary rocks and intruded dolerites of the Benue Trough with isolated outcrops of Precambrian Basement granite. Mineral deposits worked include alluvial clay, kaolin, gypsum, sands and gravels; sedimentary rock limestone (for cement) and sandstone; barite from mineralised veins in basement rock; and granite quarried for aggregate.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Limestone	Yandev	Gboko	Active mine	Benue Cement Co. 70,000,000 tons reserve
Limestone	Igumale	Ador	Prospect	
Salt/brine	Oku Lake	Guma	Prospect	
Iron ore	Aforo Odugbo		Prospect	
Coal	Owukpa	Ogbadibo	Active mine	NCC 32,000,000tons reserve
Baryte	Gboko	Gboko	Active mine	

Occurrences: Limestone (3), salt/brine (1), kaolin (1), iron ore (1), gypsum (2), barite (1).

8. Borno

Precambrian Basement rocks, that are overlain in part by Cretaceous marine to alluvial sediments, underlie most of the state. Mineral deposits worked include clays (bentonite and kaolinite), laterite, gypsum, sand, gemstones and granite.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Trona	Maiduguri	Maiduguri	Prospect	
Feldspar	Gwoza		Prospect	

Occurrence: Bentonite/clay (5), diatomite (1), gypsum (1), kaolin (1).

9. Cross River

The state is underlain by Precambrian Basement that are overlain by variable thicknesses of sedimentary rocks and alluvium. Mineral deposits worked include Basement vein minerals such as lead/zinc and barites; sedimentary rocks such limestone, marble, coal; and alluvial deposits such as cassiterite, iron ore, kaolin, clay, sand and gravel.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Baryte	Gabu	Yala	Active mine	Epkrain Keys Ltd
Limestone	Mfamosing	Odukpani	Active mine	30,000,000tons reserve
Limestone	Ikot Ana	Biase	Prospect	
Salt	Ogoja	Ogoja	Prospect	Artisanal miners
Silica sand	Iwuo Ukem	Utu Ekpo	Active mine	2,000,000tons reserve

Occurrences: Baryte (1), limestone (1), uranium (1).

10. Delta

Recent alluvium, Quaternary and Tertiary sediments underlie the Niger delta. Sediments contain beds of lignite, with some river sand and gravel, laterite and kaolin.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Lignite	Ogwashi Uku	Ogwashi Uku	Active mine	30,000,000tons reserve

Occurrences: Bentonite (1), clay (1), silica sand (1).

11. Ebonyi

The state is underlain by Precambrian Basement that are overlain by variable thicknesses of Cretaceous sedimentary rocks – intruded by dolerite and volcanic rocks, and Recent alluvium. Mineral deposits worked include Basement and Cretaceous age vein minerals such as lead/zinc and barites; Basement and Cretaceous igneous rocks such as granite and dolerite for aggregate; sedimentary rocks such as limestone, marble, gypsum and salt; and alluvial deposits such as laterite, kaolin, clay, sand and gravel.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Galena	Ameri-Arneka	Abakaliki	Active mine	America Mining Co. with NMC 700,000 tons reserve
Sphalerite	Enyingba (Nkpuma Akpatakpa)	Abakaliki	Active mine	
Sphalerite	Abakaliki	Abakaliki	Active mine	
Sphalerite	Nkpoma	Izzi	Active mine	

Occurrences: Brine/salt (3), coal (1), limestone (1), marble (1), granite (1), barite (1), ilmenite (1), chalcopyrite (1)

12. Edo

The state is underlain by Precambrian Basement that are overlain by variable thicknesses of sedimentary rocks and alluvium. Mineral deposits worked include Basement minerals such as feldspar and granite; sedimentary rocks such as limestone /dolomite and marble; and alluvial deposits such as gold, laterite and clays such as bentonite and kaolin.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Marble	Ukpella		Active mine	Bendel Cement Co 10,000,000 tons reserve
Silica sand	Igarra Auchi	Auchi	Prospect	Many active mines
Gypsum	Afuze		Prospect	

Occurrences: Gold (1), feldspar (1), bentonite (1), gypsum (1), tar sand (1).

13. Ekiti

The state is underlain by Precambrian Basement rock in the north and sedimentary rock in the south, with some Recent alluvium. Mineral deposits worked include Basement granite; Basement vein mica and gemstones; and alluvial deposits such as cassiterite, columbite and tantalite.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Kaolin	Isanekiti	Oye	Prospect	7,500,000 tons reserve

Occurrences: Cassiterite (1), mica (1), quartz (1).

14. Enugu

The state is underlain by Cretaceous age sedimentary rocks and Recent alluvium. Mineral deposits worked include sedimentary rocks such coal, iron ore, limestone and shale; and alluvial deposits such as laterite, sands and gravels and clays.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Coal	Okpara	Enugu	Active mine	NCC 500,000,000 tons reserve
Coal	Enugu	Enugu	Active mine	NCC 100,000,000 tons reserve
Coal	Amansiogo	Udi	Active mine	NCC
Coal	Ezimo	Nsukka	Active mine	NCC
Coal	Inyi	Enugu	Active mine	NCC
Coal	Ogugu	Agwu	Active mine	NCC
Iron ore	Nsude	Udi	Active mine	
Clay	Awkunanaw	Enugu North	Active mine	

Occurrences: Silica sand (1), limestone (2), kaolin (1), iron ore (3), gypsum (2), clay (1).

15. FCT

The state is underlain by Precambrian Basement that are overlain in part by Tertiary age sedimentary rocks and by alluvial clays derived from the weathering of Basement rocks. Mineral deposits worked include Basement granite quarried for aggregate; Basement vein deposits that include gold, iron ore, cassiterite, tantalite and talc; sedimentary rocks such limestone/dolomite and marble; and alluvial deposits such as laterite and kaolin.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Cassiterite	Tunga		Prospect	
Galena	Baba Tsauni	Gagwalada	Dormant mine	
Marble	Burum	Kuje	Active mine	5,500,000 tons reserve
Tantalite	Takwa-Shara		Prospect	
Dolomite	Burum	Kuje	Prospect	

Occurrences: Gold (1), kaolin (1)

16. Gombe

The state is underlain by Precambrian Basement rocks that include migmatites, gneisses, quartzites, granites, granite gneisses, charnockites, diorites and gabbros, of the older series that are intruded by Jurassic age Younger Granites and associated volcanic and hypabyssal rocks. Mineral deposits worked include cassiterite, columbite, tantalite and kaolin within alluvial deposits derived from the weathered granites, and lead, zinc, feldspar and gemstone deposits that occur within veins and in the solid basement rocks. Alluvial gypsum is also mined in the area.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Limestone	Ashaka	Bajoga	Active mine	Ashaka Cement
Gypsum	Nafada	Nafada	Mine	761,000 tons reserve
Kaolin	Bojude		Prospect	
Kaolin	Dukku		Prospect	
Kaolin	Gombe Abba		Prospect	
Kaolin	Dangor	Billiri	Prospect	

Occurrences: Coal (2), lignite (1), limestone (4), gypsum (2), feldspar/quartz (1), brines (7), gemstones (3), lead/zinc (2)

17. Imo

The state is underlain by Precambrian Basement that are overlain by variable thicknesses of Cretaceous sedimentary rocks – intruded by dolerite and volcanic rocks, and Recent alluvium. Mineral deposits worked include Basement and Cretaceous age vein minerals such as lead/zinc and barites; Basement and Cretaceous igneous rocks such as granite and dolerite for aggregate; sedimentary rocks such as limestone, lignite, marble, gypsum and salt; and alluvial deposits such as laterite, kaolin, clay, beach sand and gravel.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Kaolin	Awomama	Oru East	Active mine	6,860,000 tons reserve
lignite	Orlu	Orlu	Active mine	

Occurrences: Kaolin (1), lignite (1), coal (1).

18. Jigawa

The state is underlain by Precambrian Basement granitic rocks. Mineral deposits are sparse with only some alluvial cassiterite being worked.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
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Occurrences: Cassiterite (2), marl (4), silica sand (3).

19. Kaduna

The state is underlain by Precambrian Basement rocks that include migmatites, gneisses, quartzites, granites, granite gneisses, charnockites, diorites and gabbros of the older series that are intruded by the Younger Granites, as well as Jurassic age basaltic rocks. Mineral deposits worked include Basement deposits of iron ore, manganese, kyanite, sillimanite, graphite, talc, feldspar, gold, cassiterite, columbite and various gemstones. Alluvial deposits include brick-clay, sand and laterite derived from weathered granites.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Talc	Fandan Kaje	Zangon Kataf	Active mine	RMRDC
Manganese	Mallam Ayuba	Jema'a	Prospect	
Iron ore	Ayaba	Birnin Gwari	Prospect	
Cassiterite	Jema'a	Jema'a	Dormant mine	
Cassiterite	Banke	Lere	Dormant mine	
Cassiterite	Dutsin Wai	Kara	Prospect	
Amerthyst	Zaria	Zaria	Prospect	
Ilmenite/rutile	Radeggi		Prospect	

Occurrences: Wolfram (1), talc (1), pyrite (1), sapphire (1), manganese (2), kyanite (2), iron ore (1), graphite (1), gold (5), feldspar (1), clay (1), cassiterite (1), beryl (1), bismuth (1).

20. Kano

The state is underlain by Precambrian Basement rocks that include migmatites, gneisses, quartzites, granites, granite gneisses, charnockites, diorites and gabbros of the older series that are intruded by the Younger Granites. These are in part overlain by younger sedimentary rocks. Mineral deposits worked include Basement and reworked alluvial deposits of gold, cassiterite, columbite and various gemstones.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Cassiterite	Ririwai	Tudun Wada	Prospect	NMC 200,000 tons reserve
Cassiterite	Liruei	Tudun Wada	Prospect	400,000 tons reserve
Gold	Rimu	Rimi Gado	Dormant mine	
Silica sand	Burum Burum	Kibiya	Prospect	
Pyrochlore	Ririwai	Doguwa	Dormant mine	
Amethyst	Saya Saya	Doguwa	Prospect	

Occurrences: Kaolin (1), wolframite (1), kaolin (3).

21. Katsina

The state is underlain by Precambrian Basement rocks that include migmatites, gneisses, quartzites, granites, granite gneisses of the older series that are intruded by the Younger Granites, as well as Jurassic age basaltic rocks. Mineral deposits worked include Basement deposits of granite and vein gold. Alluvial deposits include fire-clay, kaolin, gypsum, limestone, silica-sand and gold derived from weathered granites.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Kaolin	Kankara	Kankara	Active mine	RMRDC 3,400,000tons reserve
Gold	Dajin Rugu	Kankia	Dormant mine	
Feldspar	Kadoji	Jibiya	Dormant mine	
Asbestos	Shemi	Funtua	Prospect	
Tantalite	Shemi	Funtua	Prospect	

Occurrences: Kaolin (1), gold (1), cassiterite (1)

22. Kebbi

The state is underlain by Precambrian Basement gneisses, granites, phyllites and quartzites, overlain by thick sedimentary deposits. Mineral deposits present include gold, granite, clay, kaolin and river sand but none are presently worked.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Gold	Laka	Yauri	Prospect	NMC
Gold	Matendo	Yauri	Dormant mine	
Gold	Bin Yauri	Ngaski	Active mine	

Occurrences: Kaolin (4), iron ore (1), gold (1), clay (1), brine/salt (1).

23. Kogi

The state is underlain by Precambrian Basement migmatized to unmigmatized parashist and meta-igneous rocks. Mineral deposits developed at present include marble, oolitic iron ore and kaolin.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Marble	Osara Forest	Ajaokuta	Prospect	1,700,000 tons reserve
Marble	Jakura	Kogi	Active mine	NMC
Marble	Ubo	Okene	Active mine	19,000,000 tons reserve
Kaolin	Agbaja	Kogi	Prospect	12,600,000 tons reserve
Kaolin	Akutukpa	Bunu	Prospect	
Iron ore	Itakpe	Okehi	Active mine	NIOMP
Iron ore	Ajaranoko	Okehi	Prospect	
Iron ore	Agbaja		Propect	
Gold	Oke-Oloke		Active mine	Artisanal miners
Feldspar	Lokoja	Okehi	Active mine	NMC
Feldspar	Osara	Okehi	Prospect	Small scale miners
Feldspar	Okene	Okene	Active mine	
Coal	Okaba	Ankpa	Active mine	NCC Mine reactivation
Coal	Ogroyoga	Dekina	Active mine	NCC Mine reactivation
Coal	Dekina	Dekina	Active mine	NCC Mine reactivation

Occurrences: Marble (2), iron ore (3), gold (4), clay (1), cassiterite (1), tantalite (1), talc (1), dolomite (1).

24. Kwara

The state is underlain by Precambrian Basement migmatic gneissic rocks. Mineral deposits include gold, cassiterite, tantalite, marble, granite, feldspar, sand and kaolin.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Gold	Weru River	Asa	Dormant mine	Artisanal miners
Clay	Egboro	Pategi	Prospect	
Tantalite	Ndanaku	Pategi	Prospect	
Tantalite	Lema		Prospect	

Occurrences: Marble (1), gold (1), clay (2), tantalite (1).

25. Lagos

The state is underlain by recent fluvial and coastal marine unconsolidated sediments. The main mineral deposits developed include river and lagoon sands and laterite.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Silica sand	Badagry	Badagry	Prospect	

Occurrences: Silica sand (1)

26. Nasarawa

The state is underlain by Precambrian Basement older gneissic granite and younger Jurassic granite complex rocks intruded by Tertiary to Recent igneous intrusives and volcanics. Mineral deposits developed in the area include columbite, cassiterite, barites, lead and various gem stones.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Coal	Lafia	Lafia		Artisanal miners 32,000,000 tons reserves
Iron ore	Muro Hill	Toto	Prospect	
Marble	Muro Hills	Toto	Prospect	10,600,000 tons reserves
Baryte	Azara	Awe	Active mine	NMC 730,000 tons reserve
Baryte	Aioshi	Akwawga	Prospect	
Amerthyst	Saya Saya	Tudun Wada	Prospect	
Cassiterite	Dutse Nkura		Active mine	
Beryl	Gale Hill	Nasarawa /Eggon	Active mine	
Brine	Awe	Awe	Prospect	
Tantalite	Udegi	Nasarawa	Prospect	
Tantalite	Kube	Karu	Prospect	
Tantalite	Unguan Kwano	Nasarawa	Prospect	

Occurrences: Coal (1), galena (1), tourmaline (1), barite (1), cassiterite (3), aquamarine (1), emerald (1), wolframite (1), lithium (2), columbite (1), mica (1).

27. Niger

The state is underlain by Precambrian Basement igneous and metasedimentary rocks overlain in the southern part of the state by sedimentary rocks including conglomerates and sandstones. Mineral deposits developed include granite, kaolin, marble, quartz, talc, clay, gold, gemstones, cassiterite, columbite and tantalite.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Gold	Galadiman Kogo	Shiroro	Prospect	Artisanal miners
Gold	Beni	Kafin-Koro	Prospect	
Marble	Kwakuti	Paiko	Active mine	
Talc	Kumunu	Mariga	Active mine	
Talc	Kgara	Rafi	Active mine	

Occurrences: Gold (9), kaolin (1), silimanite (1), talc (1), wolframite (1), tantalite (2), tourmaline (1), kyanite (2).

28. Ogun

The state is underlain by Precambrian Basement igneous and metasedimentary rocks. Mineral deposits developed include granite, feldspar, kaolin, limestone, gypsum, clay, shale and gold. Bitumen tar sands also occur within the state.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Tar sand	Ijebu Ode	Ijebu East	Prospect	
Talc	Iregun	Ilesha East	Active mine	
Phosphate	Ifojunc	Ido	Active mine	
Phosphate	Ososum	Sagamu	Prospect	
Limestone	Shagamu	Sagamu	Active mine	WAPC
Limestone	Ewekoro	Ewekoro	Active mine	WAPC
Kaolin	Abeokuta	Abeokuta	Prospect	2,800,000 tons reserve
Kaolin	Aiyetoro	Egbado North	Prospect	
Clay	Onibode	Odeda	Active mine	

Occurrences: Phosphate (2), kaolin (2)

29. Ondo

The state is underlain by Precambrian Basement of migmatite, schist, granite and gneiss. Mineral deposits developed include kaolin, limestone, clay, bauxitic clay, feldspar, quartzite, cassiterite, columbite, tantalite and various gemstones. Bitumen tar sands also occur within the state.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Tar sand	Foriku	Akure North	Prospect	
Tar sand	Ode Aiye	Ondo	Prospect	
Lignite	Ute		Prospect	

Occurrences: Silica sand (1), kaolin (1), iron ore (1), clay (2).

30. Osun

The state is underlain by Precambrian Basement granites, amphibolites and schists. Mineral deposits occurring in the state include granite, gold, copper, kaolin, talc and alluvial sands and gravels.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Gold	Iperindo mine	Ilesha East	Prospect	NMC/Tropical Mines
Gold	Ilagunmodi	Ilesha West	Active mine	NMC
Cassiterite	Iregun		Prospect	

Occurrences: Kaolin (1), feldspar (1)

31. Oyo

The state is underlain by Precambrian Basement composed of migmatites, gneiss, schist, charnockites and granites. Mineral deposits include feldspar, clay, silimanite, talc, gold, bauxite, cassiterite, and gemstones especially tourmaline.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Marble	Igbeti	Irepo	Active mine	
Marble	Ikoyi	Orire	Prospect	
Sapphire	Olode	Oluyole	Prospect	
Tantalite	Shaki	Shaki	Prospect	
Aquamarine	Olode	Ibadan	Prospect	
Tourmaline	Komu	Shaki	Prospect	

Occurrences: Silimanite (1)

32. Plateau

The state is underlain by Precambrian Basement composed of migmatites, gneisses and metasedimentary rocks that have been intruded by Jurassic age younger granites. Minerals present include barite, cassiterite, tantalite, columbite, wolfram, pyrochlore.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Cassiterite	Gawa-Ropp	Barin Ladi	Dormant mine	Mine reclamation
Cassiterite	Rayfield	Jos South	Dormant mine	Mine reclamation
Cassiterite	Rukuba	Bassa	Active mine	
Cassiterite	Gurum	Jos North	Active mine	1,192,451 tons reserve
Cassiterite	Ganawuri	Riyom	Artisanal mine	
Clay	Shere Hills	Jos East	Prospect	
Galena	Naraguta	Jos North	Active mine	NMC
Ilmenite	Sho	Barkin Ladi	Prospect	Artisanal miners
Kaolin	Major Porter	Barkin Ladi	Active mine	NMC 1,100,000 tons reserve
Kaolin	Nahuta	Barkin Ladi	Prospect	1,000,000 tons reserve
Columbite	Bukuru	Jos south	Prospect	

Occurrences: Cassiterite (4), galena (1), kaolin (1), marble (1), zircon sand (1), barite (1), molybdenite (1).

33. Rivers

N/A

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
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Occurrences: Silica sand (1), kaolin (1).

34. Sokoto

The state is underlain by Jurassic age Younger Granites in the south, Cretaceous age sedimentary rocks in the central area and Tertiary sedimentary rocks in the north. Mineral deposits include gold, phosphate, uranium, mica, kyanite, kaolin, gypsum, river sand and limestone.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Gold	Malele	Karowamoda	Dormant mine	
Gypsum	Wurno	Wurno	Prospect	Artisanal miners 46,000,000 tons reserve
Limestone	Kalambaina	Sokoto	Active mine	
Phosphate	Karsawa	Ilelela	Prospect	Artisanal miners
Phosphate	Dange	Dange/Shuni	Active mine	Artisanal miners

Occurrences: Gold (1), gypsum (3), kaolin (1).

35. Taraba

The state is underlain by Precambrian Basement rocks that include migmatites, gneisses, quartzites, granites, granitic gneisses, chamockites, diorites and gabbros. Mineral deposits present include barytes, bentonite, kaolin, galena, limestones and gemstones.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Baryte	Ibi	Ibi	Prospect	
Baryte	Wukari		Prospect	
Baryte	Dungel	Karim Lamido	Prospect	
Galena	Akwana	Wukari	Dormant mine	
Galena	Arsa	Wukari	Dormant mine	

Occurrences: Beryl (2), iron ore (2), limestone (1), uranium (1), fluorite (1), quartz (2).

36. Yobe

The state is underlain by a thick sequence of Cretaceous and Tertiary age sediments. Mineral deposits present include clays, kaolin, shales, limestones, gemstones, graphite, bentonite, diatomite and gypsum.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Diatomite	Abakire	Geldam	Active mine	3,697,500 tons reserve
Diatomite	Bularaba	Fika	Artisanal mine	200,000 tons reserve
Gypsum	Damagun	Damagun	Prospect	
Gypsum	Fika/Fune	Fika	Prospect	766,872 tons reserve
Trona	Kapopowa	Yasufari	Prospect	
Trona	Bal	Yobe	Prospect	
Trona	Baccha	Nguru	Prospect	

Occurrences: Diatomite (1), feldspar (1), clay (2), limestone (3), trona (6), evaporite (1).

37. Zamfara

The state is underlain by Jurassic age Younger Granites in the south and Cretaceous age sedimentary rocks in the north. Mineral deposits include gold, mica, kyanite and kaolin clay.

Mines, quarries and prospects

MINERAL	LOCALITY	LGA	STATUS	COMMENT
Asbestos	Chafe	Chafe	Prospect	
Chromite	Tunga Kadaku	Anka	Prospect	
Gold	Bindin	Maru	Prospect	
Gold	Maradum	Maradum	Dormant mine	
Gold	Mara	Mara	Prospect	
Gold	Takare	Gunmi	Dormant mine	
Gold	Tugan Kawo	Chafe	Dormant mine	
Gold	Zurmi	Zurmi	Dormant mine	
Gold	Zamfara River	Bukkuyum	Active mine	
Iron ore	Marara Hill	Maru	Prospect	Kwali Mining Co
Manganese	Ruwan Dobuwa	Maru	Prospect	Artisanal miners
Tantalite	Magami	Maru	Prospect	
Tantalite	Maradun	Wnamwa	Prospect	

Occurrences: Columbite (1), gold (6), marble (1), lithium (2)

