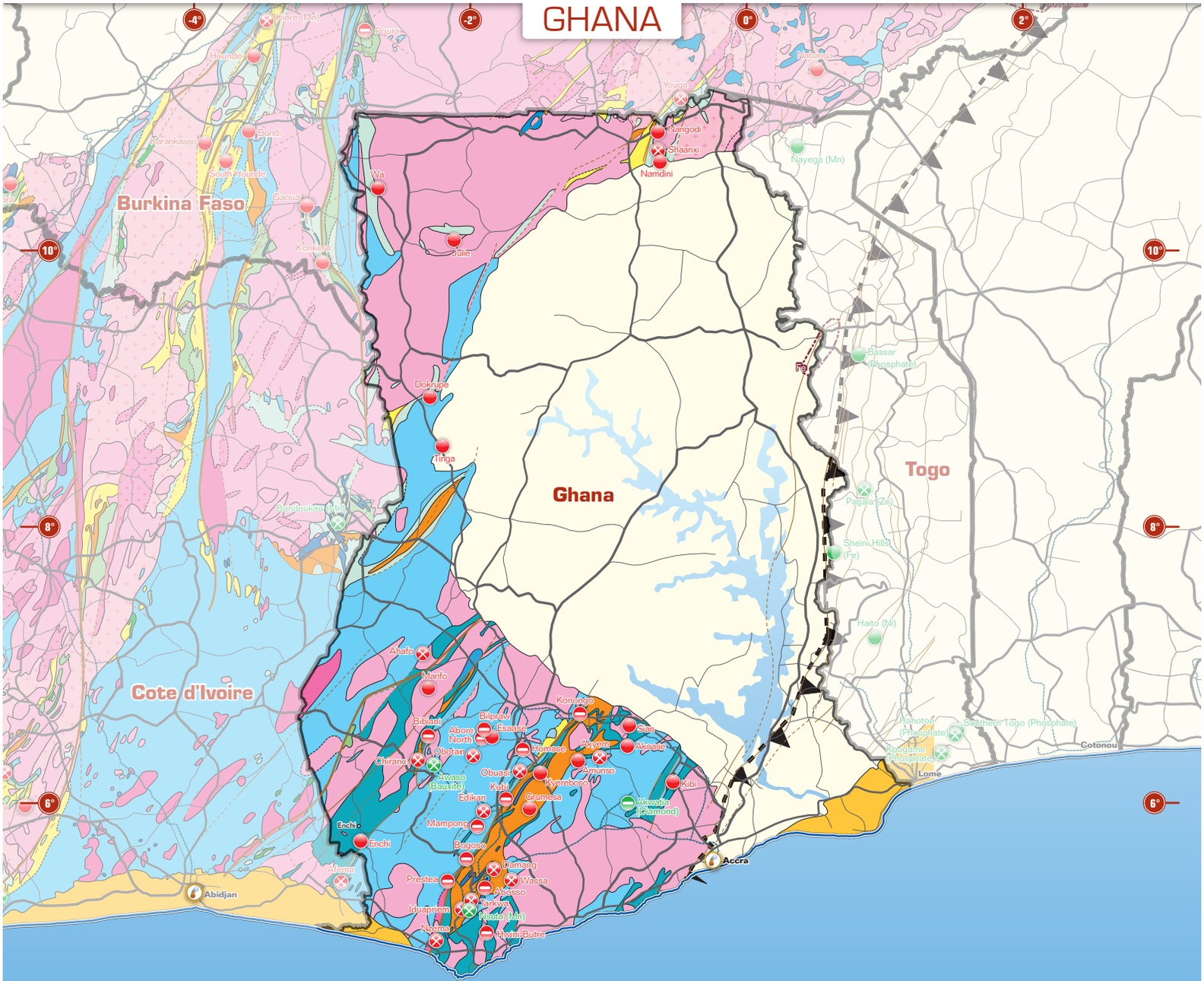
GHANA



Your feet on the ground in Africa

NORTH

0 50 100 150

KILOMETERS

Geological boundary certain
Geological boundary inferred
Fault certain
Fault inferred
Thrusts

GOLD MINES
Existing
Closed
Gold resources

OTHER MINERALS
Existing mines
Closed mines
Projects

Country Borders
Seaside
Roads
Minor roads
Railway
Sems Offices

POST-EBURNEAN ANOROGENIC DOMAINS
- Basic-ultrabasic complexes (Freetown, Guinea)
- Cretaceous to Recent
- Upper Proterozoic to Paleozoic

EBURNEAN OROGENIC DOMAIN

LOWER PROTEROZOIC TERRANES (2.4 - 1.6 Ga.)

Plutonic rocks
- Basic-ultrabasic complexes
- Leucogranite
- Undifferentiated granitoids

Volcanic and fluviodeltaic formations
Lithostructural assemblages (D2 and D3 deformation phases)
- Fluviodeltaic: sandstone, conglomerate, argillite (Tarkwaian)
- Plutonic-volcanic assemblage: minor volcanic rocks
- Undifferentiated volcanics, volcanosedimentary rocks
- Komatiitic to tholeiitic basalts
- Rhyodacitic to rhyolitic volcanic rocks, chert (b), graphitic horizons
- Andesitic volcanic rocks, chert (b), graphitic horizons
- Basic volcanic rocks, chert (b), Mn levels (c)

Flysch-type formations with minor volcanic rocks -
Lithostructural assemblage (D1 to D3 deformation phases)
- Carbonates felsic volcanic rocks
- Felsic volcanoclastic rocks, dykes; chert (b), manganese levels (c)
- Flysch-type : sandstone to argillite (graphitic, conglomeratic levels)

Horizon Markers (B2, B1)
- Tourmaline-bearing sandstone and conglomerate
- Chert and quartzite levels
- Manganses-rich levels: quartzite, gondite, phyllite

ARCHEAN AND/OR PROTEROZOIC GRANITIC GNEISS COMPLEXES DEFORMED BY THE EBURNEAN OROGENESIS
- Granitic, migmatitic and undifferentiated gneiss
- Granitic, migmatitic and undifferentiated gneiss
- Granite, gneiss, and migmatitic gneiss complexes

PRE-EBURNEAN OROGENIC DOMAIN

ARCHEAN - LEONIAN (3.5 - 2.9 GA.) / LIBERIAN (2.9 - 2.5 GA.)

Plutonic rocks
- Undifferentiated plutonic rocks (Leonian to Late-Liberian)

Greenstone belts and ironstone formations
- Ironstone formation (meta-sedimentary, meta-basic rocks associated)
- Basic and ultrabasic formations

Gneissic complexes
- Migmatitic and undifferentiated gneisses
- Granulitic gneiss "basement"

Geological data: BRGM - LAT/LONG WGS84
Mine location data : www.mining-atlas.com
Map drafted: Kwaku Owusu-Ansah
Graphic design: www.arcitdesign.com

www.sems-exploration.com

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