

Peter Brown

Mineral Resource Exploration & Evaluation - worldwide

Overview

An all-round Explorationist with more than 35 years experience in the search for a wide range of resources in a great variety of geological terrains in Africa, Greenland, South America, the Middle East and China. Experience ranges from target generation and grass roots exploration in remote areas, through mineral resource estimation, to joint venture agreements and board level considerations. CSR issues taken very seriously. Management of large diamond and RC drilling programs a speciality.

Career Summary

Exploration Consultant from April 2016 - assignments in Côte d'Ivoire, Botswana, Sierra Leone, Burkina Faso, Malawi, Greenland, Ghana and Madagascar.

Cluff Gold / Amara Mining (2011 - 2016)

Group Exploration Manager, West Africa – Côte d'Ivoire, Sierra Leone, and Burkina Faso, plus Mali Senegal, and Liberia. One of 5 on the executive committee running the company.

NunaMinerals, Greenland (2009 - 2011)

Chief Geologist, Acting COO

Jubilee Platinum (2008 - 2009) Country Manager in Madagascar, Group Geologist in Zambia and South Africa

Geological Consultant and Geology & Environmental Science Educator (1995 – 2008)

Bolivar Goldfields, Venezuela (1993 - 1995) VP - Exploration

Gold Fields Botswana, Gold Fields Venezuela (1988 - 1993) Senior Geologist, Chief Geologist,

Keele University (1987 - 1988) Lecturer in Geochemistry

Geophysical Service International (1984 - 1986)

Computer Applications Geologist in Saudi Arabia
Seismic Interpretation Supervisor in China

Southampton University (1980 - 1983)

PhD research

Geophysical Service International (1977 - 1979)

Exploration Geologist in Iran and Saudi Arabia

Johannesburg Consolidated Investments (1975 - 1977)

Exploration Geologist in southern Africa

Bamangwato Concessions – Anglo American (1972 - 1975)

Exploration Geologist in Botswana

Personal Details

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Qualifications: B.Sc. (Hons) Geology 1972 Dundee Univ.
PhD 1987 Southampton University

Professional Member – the Institute of Materials, Mining & Metallurgy (IOM3) – confers Competent/Qualified Person status for public reporting purposes

Qualified / Competent Person for NI43-101 and JORC
Languages: English (fluent), French (medium)

Skills – Exploration Specialist >35 years

Most extensive experience:

- Gold – mainly orogenic greenstone and BIF-hosted, also granite-hosted.

Significant experience:

- Base metals, particularly copper, nickel and cobalt
- PhD on Ni-Cu deposits of eastern Botswana
- Platinum group metals and chrome
- Iron
- Rare earth elements

Some experience:

- Diamonds, graphite, tungsten, pegmatite lithium, porphyry copper and uranium
- Oil, gas and water

Specialities:

- Planning, implementing, interpreting and reporting (including NI-43-101 reporting) of exploration programs, including strategic planning, budget preparation and expenditure control up to \$26m pa.
- Management of large diamond and RC drilling programs in both greenfield and brownfield areas.
- Management of the transition from exploration, through mineral resource estimation, to the feasibility stage, with involvement in metallurgical, geotechnical and hydrogeological investigations.
- Technical due diligence and property appraisal.
- Core logging and mapping.

Additional:

- Team development e.g. in Venezuela and Côte d'Ivoire
- Community Relations - sensitive to working with different cultures including artisanal miners; responsible for Community relations and managing the ESIA at the Yaoure project in Côte d'Ivoire.
- Training and mentoring local explorationists.
- Good relationships with Government departments.
- Technical network - access to a variety of associates, for example geotechnical, hydrogeological and mineral resource estimate specialists.

Some of Main Achievements:

\$ Transformed Cluff/Amara's disparate exploration teams in Burkina Faso, Côte d'Ivoire and Sierra Leone – increased performance, motivation, communications and training.

\$ Saw the potential at Yaoure (low-S orogenic greenstone-hosted, mesothermal) in Côte d'Ivoire after joining Amara in August 2011 and delivered a resource increase from 0.3 to 7.3 million ounces

\$ Significant improvement in Community Relations at the Yaoure project when I took over this role in December 13.

\$ 86,000m drill programme at brownfield Yaoure site completed in 6 months in 2014 – on budget and on time, 70,000m of core drilling with up to nine rigs and 16,000m of RC with two rigs.

\$ Oversaw improved data quality and understanding at the Baomahun gold deposit in Sierra Leone.

\$ Evaluated NunaMineral's broad portfolio in Greenland and focused exploration on intrusion-related Au, Zn & IOCG targets.

\$ Prepared the Kalumbila copper property in Zambia for sale to First Quantum (Sentinel).

\$ Built from scratch a successful exploration team for Bolivar Goldfields in Venezuela and carried out initial resource estimate of Tomi gold prospect– 800,000 oz

\$ Discovered porphyry copper mineralisation in the Taftan region of southeastern Iran

\$ Structural reinterpretation of the Phikwe nickel-copper ore body in Botswana resulting in a significant increase in mineable resources and length of mine life.