

Academic and Professional Qualifications

BSc (Hons) Geology - University of Dar es Salaam (Tanzania) - 1993



1.0: Profile

I am a competent senior exploration geologist with more than 30 years of exploration and mining experience in the Archaean greenstone belt of Tanzania and Proterozoic terrains in the Central African Copperbelt. I have also covered projects in Lake Victoria Goldfields of North Central Tanzania, Magambazi –Handeni projects, Mpanda Gold Fields, Chunya Gold Fields etc

Commodity experience includes: gold, copper, cobalt, tin, diamond, Silver, Uranium and building materials.

Computer literate using MapInfo their associated extensions for mineral explorations; Microsoft Applications (Word, Excel, Power points); MapInfo and Introduction knowledge of Micromine and Surpac Software's.

Project Management Experience

Managed a project of more than 80 people in camps plus drilling contractors for Barrick Africa Exploration Limited.

The work included:

- Camp budgeting and ordering of consumables
- Statutory report writing
- Running four diamond rigs and one RC rig with a total of 15,000m - completed successfully
- Planning and execution of soil and stream sediment soil sampling.
- Training of junior geologists
- Mine mapping and ensure conducive working environment for the mining and geological team.

Professional Training

- MapInfo and Introduction to Map Source and GPS Software's
- Regolith geochemistry course conducted by Prof. Louisa Lawrence (University of Western Australia)
- Orogenic gold deposits workshop – By Prof. David Groves (University of Western Australia)
- Hydrothermal/ Lode gold deposits - By Prof. John Moore d (Rhodes University - RSA)
- Introduction to Datamine course – By Dr. Simon Ingram of DATAMINE U.K.
- Grade control practices – By Bill Shaw and Ian Lipton from Golder Associates (Western Australia)
- Blasting ore dilution– JKRM Australia
- Two weeks interdepartmental training within Bulyanhulu Gold Mining Limited (Barrick) to have an understanding on how various sections (Survey, Engineering and Operation) perform their duties
- Structural geology – By Dave Collar (ERA Mapteck Ireland)

2.0: Professional Experience

Consulting for:

- Synergy Tanzania Company Limited- Gold , dimension stones , lithium and industrial minerals
- Rays Industries Limited- Tin/Copper/tungsten
- Knauf- Gypsum
- Mionex International Limited- Gold , diamond , gypsum and iron ore
- Anglo African Gypsum Limited- Gypsum
- Becco Resources Limited-Gold
- Simba Bullion Limited-Gold
- Knauf- Gypsum
- Mantra Resources Ltd – Uranium, REE and Lithium
- Shanta Mining Limited _ Evaluation of Lupa goldfields gold tenements
- NGM Gold Mine Limited – exploration to medium scale gold mine with production of circa 40 kgs per mo

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- **Sunshine Mining Ltd – Gold**
- **Busolwa Mining Limited**
- **Taiyun Goldmine Ltd - Gold**
- **SF Resources Ltd - REE , gold , Lithium graphite (industrial minerals)**
- **Shengfa Company Ltd (Chinese) – Gold**
- **Smentap Mining Company Ltd (Chinese) – Gold**
- **TBEA Company Ltd – Gold**
- **Wamala resources Ltd – Gold**

Period: – Feb 2014 to date

Position Held: Principal Consulting Geologist

Projects: - projects in Tanzania, Uganda, DRC and Burundi

Duties performed: General consultancy on both companies operation.

I am greatly involved in their Copper, Tin and Gypsum/Limestone Projects in North West Tanzania and Southern coastal areas of Tanzania.

Employer: **Finix International Limited**

Period: August 2009 – Feb 2014

Position Held: Senior Project Geologist

Projects: - Lake Victoria Goldfield of Tanzania, exploration in gold and Base Metals- Ngasamo

Duties performed:

- Data-managements
- Liaising with clients/contractors on daily work
- Training local junior geologists
- Mapping, Sampling and supervision of pitting, trenching and local labourers.

Employer: **Lake Victoria Mining Limited**

Period: April 2007 – November 2008

Position Held: Senior Exploration Geologist

Duties performed:

- Geological mapping of areas owned by the company in the Mozambique belt of Tanzania (Usagaran) – high grade metamorphic terrains and Lake Victoria Goldfield.
- Sampling and tonnage estimations of tailings for small scale miner's in Geita area
- Ground acquisition after data interpretations
- General assessment of areas acquired by the company
- Liaising with partners trading with the company

Employer: **Savannah Exploration Limited**

Period: April 2006 – June 2007

Position Held: Senior Exploration Geologist _ Diamond

Duties performed:

- Trench mapping and sampling
- Locating old and possible Kimberlites targets picked by Airborne Survey
- Camp management Auger and cobra drilling for recovery of kimberlitic indicator minerals.

- Exercise good governance so as to work as a team.

Employer: -Barrick Exploration Africa Limited

Period: October 1999 – April 2006

Position Held: Regional Exploration Geologist

Duties:

- Perform all geological duties, including, geological mapping, geochemical soil, stream sediments and rock chip sampling, RAB/RC and Diamond drilling plus logging and adhered QA/QC protocol.
- Perform geological duties in the company properties which covered every corner of Tanzania including , Lake regions, Singida and Mbeya-Rukwa
- Give presentations to promote geological awareness amongst other geologists and to visitors.
- Encourage all staff for initiative, ownership and responsibility to ensure positive excellence.
- Interpretation of geophysical maps/data, radiometric, TIM, ground magnetic survey and IP. –Involved in re-establishing the tecto-stratigraphy of the Musoma – Mara area.
- Training graduate geologists and technicians.

Employer: Johannesburg Consolidated Investments (JCI)

Period: June 1996 – March 1998

Position: Exploration Geologist

Duties performed:

- Geological mapping
- Soil and stream sediment sampling
- Camp management - managed a camp of 50 people and drill contractors
- RAB/ RC Drill rig supervision and logging
- Monthly report writing

Employer: BHP Minerals International Exploration Inc.

Period: April 1995 – January 1996

Position Held: Project Exploration Geologist

Duties performed:

- Geological mapping of prospecting licenses around the Kabanga Nickel Project in North Western Tanzania, Kapalagulu layered intrusion and Nzega greestone Belt.
- Soil, stream sediments and rock chip sampling
- Diamond and RC rigs supervision, logging and assist in geotechnical measurements, i.e core recovery, RQD etc.

Employer: De Beers PTY

Period: June 1993 – May 1994

Position Held: Junior Diamond Geologist

Duties performed:

- Loam sampling for diamond indicator minerals
- Target generation and drilling
- Field Camp establishment and control.

Employer: Kiwira Coal Mine Company

Period: June- September 1992,

Position Held: Trainee Coal Geologist.

Duties performed:

- Supervision of grade control practices within sections.

- Supervision of underground drilling programs.
- To ensure effective communication between production geologists and mining personnel.
- To ensure timely and accurate underground sampling with regard to geological and grade control conditions every workplace underground.
- To ensure that employees and contractors comply with KCML's safety and environmental standards and policy.

3.0: Other Strengths and Proficiency

- I have a strong teaching ability.
- I am able working in hard and challenging environments.
- Holder of a valid driving license and First Aid Certificate.
- Consultant for Atlas Africa Company LTD in Burundi and DRC

4.0: Referees

1: Phillip van der Merwe

General Manager, Africa _ Alcat Rock Blasting /Finix International Limited

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Mobile: +971504320902

2: Dr. Roger Newell, Chairman of the Board/Director, Lake Victoria Mining Company Inc.

E Mail: rogernewell@gmail.com

3. Dr. Zak Sanfo, Project Geochemist BHP Billiton, Indonesia, E mail. zsanfo@bhp.co.net

Publications:

**1. A study on the Impact of Coal mining, Processing, Power Generation and propose ways to abate the hazards-
Kiwira Coal Mines Limited**

University of Dar es Salaam, Department of Geology, 1993