

BAWOKE BIRHAN FEREDE

Senior Geologist | Hydrogeologist | GIS Specialist ☐ Bahir Dar, Ethiopia | ☐ +251 920 228 745

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PROFESSIONAL SUMMARY

Dedicated Senior Geologist with **14 years of professional experience** in hydrogeology, mineral exploration, and geoscience management. Expert in 1:50,000 scale geological mapping and digital geoscience applications. Former Director of Basic Geoscience at Amhara Region Mining Bureau with a proven track record in strategic planning and technical reporting.

CORE TECHNICAL SKILLS

- **Geological Mapping:** Lithostratigraphy, Structural Geology, 1:50,000 Scale Surveys.
- **Hydrogeology:** Borehole Siting, Aquifer Characterization, Water Quality Analysis.
- **Mineral Exploration:** Geochemical Sampling, Tectonic Setting Analysis, Deposit Assessment.
- **Software Proficiency:** ArcGIS, Global Mapper, Surfer, Strater, GCDkit, AquaChem, AquaTest, IP2Win, ENVI, Origin8.

WORK EXPERIENCE

Director of Basic Geoscience | Amhara Region Mining Bureau

2024 – Present (2 Years)

- Oversee regional geological mapping projects and strategic 3-year development plans.
- Supervise technical teams in field data collection, lithological studies, and final report preparation.

Exploration Geologist | Amhara Region Mining Bureau

2019 – 2024 (5 Years)

- Conducted extensive exploration for industrial minerals (Limestone, Gypsum, Silica Sand).
- Utilized GCDkit for geochemical data processing and rock classification (TAS diagrams, CIPW Norm).

Hydrogeologist | Amhara Region Mining Bureau

2012 – 2019 (7 Years)

- Executed groundwater potential studies and borehole site selection for water supply.
- Performed pumping test analysis and geophysical data interpretation using IP2Win and AquaTest.

EDUCATION

- **B.Sc. in Geology** | Addis Ababa University (2004 E.C. / 2011 G.C.)

LANGUAGES

- Amharic (Native)
- English (Professional)