

ROCKY LOWELL RAKOTOSON

M. Sc



SCHOOL BACKGROUND AND EXPERIENCE

EDUCATIONNAL BACKGROUND:

January 2005: Engineering degree in mining geology, M. Sc.

2001-2004: Graduate Student in Mining Department of ESPA (Polytechnic School, university of Antananarivo, Madagascar)

1999-2001: Graduate Student in Earth Sciences, in ESPA (Polytechnic School, university of Antananarivo, Madagascar)

1999 : Baccalaureate in sciences, Senior High School degree.

WORK EXPERIENCES:

September 2011 - December 2013: Senior Exploration geologist for **High River Gold Exploration Burkina SARL / Norgold**. Extensive diamond drilling and RC throughout most of central Burkina Faso green stone belts: Yimiougou, Bogore, Sablare; Nougou; Wayin; Sakou, Tikare; Yargo, Zinigma; Namtenga and Zandkom (areas encompassing Bissa gold mine).

Attributes:

- *Research assistant, supervising drilling, mapping, core logging, sampling, geological database update;*
- *Assigned in plain grassroots operations such as mapping and sampling, tutoring junior exploration geologists to fit in the standards*

Referee: Dr Reinhard Ramdohr reinramdohr@yahoo.com Directeur à l'exploration for High River Gold Exploration Burkina and Jilbey Exploration/ Nordgold (2010-2013)

June – September 2011: Exploration geologist for **Tantalum Rare Earth Madagascar SARL** in Ampasindava peninsula, Ambanja, North of Madagascar, responsible of

data acquisition, pitting and diamond drilling, core logging and sampling...project based on assessment of skarn hosted rare earth minerals (Cenozoic alkaline intrusions hosted in sedimentary Phanerozoic cover; see publications below).

Referees: **Dr Dominique RAKOTOMANANA** rakdomi@yahoo.fr Head of Exploration & External relationship for Tantalum Rare Earth Madagascar SARL/ Tantalus Rare Earth AG;
Wolfgang Hampel, Dipl. Geol. Wolfganghampel@aol.com Country Exploration Manager for Tantalum Rare Earth Madagascar SARL/ Tantalus Rare Earth AG (2011)

Oct 2007- June 2011: Worked as exploration geologist for Bangkok-based **Pan African Mining Corporation Madagascar/Asia Thai Mining**. Coal exploration and reserve assessment in Sakoa, south western Madagascar, basically evaluating circa 100 km strikes of coal measures in the Karoo (Phanerozoic cover) by mapping and extensive drilling. Gold and PGE exploration in Andavakoera (north of Madagascar), Andriamena, Befandriana Nord, Tsaratanana (central north of Madagascar) and Ankavandra (central west of Madagascar), assessing the fields through world-known geological models.

Attributes:

- *Research assistant, supervising mapping, core logging, database update, laboratory results QA/QC;*
- *Assisting in modelling process and interpretation;*
- *Assessing geotechnics, RQD, rock mass classification;*
- *Supervising access track/drill pad making and drilling through HSE requirements.*

Referees: **Ali AIT KACI, Ph.D.** ali_aitkaci@yahoo.fr Country Technical Manager at Pan African Mining/Asia Thai Mining (2008-2010); **Olivier RAKOTOMALALA** pamm.dt@moov.mg co-founding director of Pan African Mining Madagascar

Sept 2005-2007: Worked as junior geologist for geochemical and geological sampling (data acquisition) for the consortium **Programme de Gestion des Ressources Minérales-GLW-British Geological Survey-United States Geological Survey**. That was a World Bank-Madagascan Government project for remapping the geology, geomorphology and economic geology (especially working on ore deposits) of Madagascar, encompassing the North, the East and central East regions.

Attributes:

- *Assisting senior geologists in data collection i.e. geochemical and geological sampling, mapping;*
- *Managing of daily traverses and access facilities throughout the concerned fields.*

Referees: **Dr Dominique RAKOTOMANANA** rakdom@yahoo.fr; **Robert D. TUCKER, Ph.D.**
U.S Geological Survey. Virginia USA. rtucker@usgs.gov

Jun-Dec 2004: Coal prospecting in Itasy area (West of Antananarivo, Madagascar), final dissertation required for the mining geologist engineer M.Sc. degree. That project worked on finding mining opportunities of late quaternary coals (Pliocene and Pleistocene lignites) to avoid the environmental decadence in that area in which basic energy still relay on natural resources.

Attributes:

- *Field prospection, mapping, sampling, laboratory analysis,*
- *Statistics, investigation of current national database on coal and environment.*

Referees: **Pr Roger RANDRIANJA**, *Departement Mines, Ecole Supérieure Polytechnique d'Antananarivo, Université d'Antananarivo*; **Pr Eddy RASOLOMANANA**, *Departement Mines, Ecole Supérieure Polytechnique d'Antananarivo, Université d'Antananarivo*

Oct-Nov 2004: Worked as junior geologist for a University of Antananarivo-Hamburg University partnership in volcanology studies of Itasy quaternary volcanoes (geomorphology, geology and mineralogy) and Ambohiby-Bevato-Tsiroanomandidy ring-like structures (mining opportunities). That included samplings, identification of volcanoes, lavas, the characteristics and geochemistry of magmatic chambers and, most of all, mapping.

Oct-Dec 2003: Trainee within KRAOMA (chromite mine) in Brieville (Central North of Madagascar), training on blasting, drilling and hauling, but especially working on explosives and safety blasting, in the open pit mine. I worked as well for geochemical studies in a project for gold and platinum assessment as second income of the company.

Oct-Dec 2002: Trainee for PRSM (a government mining project) in Mahaiza Betafo Antsirabe (Central South of Antananarivo Madagascar) for pegmatite geology, assessment and direct exploitation, providing the local miners with technical support and information about legal mining activities.

COMPUTER LITERACY:

GIS and spatial analysis softwares: ArcInfo, ArcGIS, Surfer, notions on Idrisi, Geosoft Oasis Montaj and Surpac

Microsoft office, internet

LANGUAGES:

Fluency in:

English,

French,

Madagascan (mother tongue)

Read and understand Spanish and Portuguese

HOBBIES:

Literature, Music.

ADDITIONAL INFORMATION:

Address: Logement 206 cité Analamahitsy, 101 Antananarivo, Madagascar

Phone n°: +261 320280635

Email: rocky_lowell@yahoo.fr

33 years old (born on 01 23 1981)

Single

Masculine

Driving licence for light cars and trucks

Links:

January 2005: **Research, Studies and coal prospection in Itasy region**

RAKOTOSON, R.L. M.Sc. final dissertation directed by Pr. RANDRIANJA, R. and Pr RASOLOMANANA, E.H. Université d'Antananarivo, Ecole Supérieure Polytechnique d'Antananarivo.

Forthcoming: **Geochronology of the Cenozoic Alkaline rocks of Madagascar**

TUCKER 1, R.D., CONRAD 2, J., KUNK 1, M., DUNCAN, R.A. 3,
RANDRIAMANANJARA 4, T., RAKOTOSON, R. L. 5, R., RABARIMANANA 4, M.H.,
RAFAHATELO 4, J.- M., RALISON 4, A.V., BUCHWALDT 6, R., and THOMAS 7, R.J.

1 U.S. Geological Survey, 12201 Sunrise Valley Drive, Reston, VA 22043, USA

2 U.S. Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025, USA

3 College of Oceanic and Atmospheric Science, Oregon State University,
Corvallis, OR 97331 USA

4 Project de Gouvernance des Ressources Minérales, 101 Antananarivo,
MADAGASCAR

5 University of Antananarivo, MADAGASCAR

6 Department of Earth & Planetary Sciences, Washington University, St. Louis,
MO USA

7 British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham,
NG12 5GG, UNITED KINGDOM

New light on volcanic sources in Central and North Madagascar

Kathryn Goodenough, Bob Tucker, Bob Thomas, Wilfried Bauer, James Conrad, Bert De Waele, Roger Key, Rocky Lowell, Mamy Rabarimanana, Jean Marie Rafahatelo, Theogene Randriamananjara

2009(confidential): BGS-USGS Report: Survey and Mapping of the North and Central Madagascar

BGS-USGS*-GLW

Contributors

R M Key, P E J Pitfield, R J Thomas, R A Annells, W Bauer,
B Burton, J Conrad*, B Chacksfield, B DeWaele, J Ford, K M
Goodenough, M Hall, M Hawkins, M Horstwood, K Howard,
C Jordan, T Kusky*, D Lapworth, D Lidke, S G Peters*,
G Pouliquen, R L Rakotoson, V Ralison, T Randriamananjara,
A Scheib, D I Schofield, R A Smith, M Styles, C D Taylor,
R D Tucker