




Regina Molloy
Managing Director (Founder)

Regina is a multi-commodity economic geologist with specialist skills in Mineral Exploration and Mine Development. Regina has 25 years' experience and expertise in the full mine development cycles from early stage exploration through to mine development and also started her career working in open pit and underground mines. Regina has worked on a wide range of projects and commodities in Africa, Australia and the America's.

Summary of Experience

- **2018 - Present – Founding Director of Exploration Geological Consulting (Pty) Ltd, South Africa**
 - Country wide base metal assessment and license applications in Mozambique for private investors. This study was completed over 6 months and included data sourcing, compilation, digitalisation, economic assessment and resulted in providing client with exploration and tenement strategy for Mozambique, 2x exploration permits and several other licenses under application.
 - Various mine due diligence studies in USA (Nevada, Montana, Idaho, Oregon, Washington) and exploration regional assessments of Nevada for precious and base metals in porphyry copper, epithermal and hydrothermal mineralised systems. Work conducted with private investors.
- **2012-2017 - Geological Consultant, based in South Africa**
 - Worked on a variety of projects in exploration and mine development including regional targeting assessments for coal, base metals and graphite followed by license applications and program management of exploration programs in Gabon, Tanzania and Mozambique. The Montepuez and Balama projects were greenfields discoveries (concealed orebodies) and are being developed into mines.
 - 2016-2017 - Managed all components of the Montepuez Graphite Mine DFS for Battery Minerals Ltd in Mozambique including Mine License submission and award (refer below). Maiden Mineral Resource classifications for Montepuez and Balama (BAT) projects and Ore Reserve for Montepuez.
 - DFS study management included resource to reserve conversion, geometallurgical studies, metallurgy flowsheet test work, mine survey-schedule-hydrology-geohydrology-geotechnical, comprehensive acid mine drainage and infrastructure studies to determine graphite products and economics thereof. Management of Environmental Impact Assessment (EIA) and field team in Mozambique as well as statutory compliance and reporting. The DFS study was completed in 9 months with a budget of USD\$4.5M.
- **2001-2012 – BHP Billiton – Variety of roles, Australia, UK and South Africa**
 - 6 yrs working in various roles in BHP Iron Ore Division in Newman and Perth offices in Western Australia. Roles included mine geologist through to senior management of all BHP mine corridor exploration programs at Newman, Area C, Yandi and Yarrie satellite mine areas and technical oversight of the geological model interpretations during the iron ore boom. Ramped exploration programs with >20 drill rigs 2003-2005 drilling 100K meters per year with budget >AUD\$100million. Significant billion tonne high grade (DSO) deposits delineated worth billions of AUD\$ early in the iron ore boom period. Analysed entire Pilbara province iron ore including competitors



at time (major and junior mining companies). Used Surpac, Datamine, Infomine, MineSight and Minescape software.

- 2 yrs West Africa Liberia Exploration Manager with BHP Mineral Exploration Group based in London. Managed all components of exploration program with incorporation of mine development infrastructure studies, 4-6 iron ore projects. BHP eventually exited these projects at the end of the iron ore boom.
- 3 yrs Johannesburg working for the BHP Mineral Exploration Group with projects in coal, uranium and potash in Ethiopia, Tanzania, Mozambique, Zambia and Gabon. Various regional studies completed down to project scale due diligence eg Mkuju River in Tanzania etc.
- Managed the technical program for the Danakil Ethiopia potash program with annual budget >USD\$100M, work program comprised aerial magnetic survey, seismic field program and core drilling.
- **2000-2001 –Newcrest Mining Ltd, Cadia Hill Mine, Exploration Geologist, Australia**
 - Worked on the Cadia Far East deep directional drilling program including maiden resource and associated technical studies. Drill holes down 2km drilled using specialised survey techniques and large low grade Au-Cu resource delineated. MapInfo software.
 - Significant resource delineation achieved, entire Cadia system was estimated at 25M ounces Au equivalent during the exploration phase.
- **1998-1999 – Exploration Geologist – Barrick Gold Corporation, Darlot Gold Mine - Australia**
 - Exploration work at the Darlot and Warrida Well projects in search of gold. Tasks included interpretation of project scale magnetic surveys, RAB-Aircore-RC and diamond drill testing of early stage exploration targets. Some exposure to laterite nickel. Surpac™ software.
 - Discovery >100-250K ounces.
- **1997-1998 – Exploration Geologist – Inmet Mining – Chile and Argentina**
 - Exploration for porphyry Cu and Au greenfield programs.
 - Chimborazo resource drilling, significant deposit and resource defined (deleterious enargite with arsenic).
 - Regional stream sediment BLEG and rock chip sampling of drainage basins from Salta southward to Cajamarca Mine.
- **1994-1995 – Mine Geologist (underground & open cut), Kalgoorlie region, Newcrest Mining, Australia**
 - Mine geologist at various underground gold mines at New Celebration Mine, ore spotting, pit mapping, flitch plans, Datamine™ wireframing, blasthole logging and ore block mark-ups.
 - Various drill programs in brownfields and mine corridor work.
 - Initial percussion hole intercept leading to eventual Mt Marion underground mine resource.

Qualifications

- 1991-1994 Bachelor of Applied Science double major in Geology (Honours), University of Ballarat, Australia



Professional Membership

- Geological Society of South Africa (GSSA)
- Society of Economic Geologists (SEG)
- South Africa Council for Natural Scientific Professions (SACNASP)
- Australia Institute of Geoscientists (AIG)

Languages

- English (written and spoken)
- Spanish (conversational)