

Project Experience: Exploration & Mining (not a complete list)

- Munglinup Graphite resource work – JORC compliant upgrade and modelling – Golden Terrace, 2016
- Annual resource audit and resource upgrade of the Tormin Heavy Minerals Sand Deposit in South Africa – MRC – 2014 & 2015 & 2016
- Manganese project review and interpretation – Gabon, BHK Mining Canada, 2015-2016
- Manganese projects review and exploration – Indonesia and West Timor, Asia Minerals Corporation, 2015
- Evaluation and review of the Yampi iron deposit and deposits of Western Iron ore in the Northern Territory, Graphite Deposits in WA, Quarry rock operations in Perth and Port Hedland – Mine Site Construction Services - 2014
- Evaluation and review of Bikita Lithium Pegmatite Deposits in Zimbabwe – Mining Management Services – 2014
- Manganese deposits evaluation, review and exploration management in Zambia – Zamanco Minerals - 2013-2014
- Review and advice on manganese deposits of Butchebird deposit for Montezuma Mining - 2013
- Field work and review of Nimba iron deposit and its associated environment in Guinea – West Africa, Sable Mining – 2013-2014
- Exploration and development of coal seam gas related deposits: Kinetiko Energy, Southern Africa – 2012-2013
- Field investigation and review of numerous exploration tenements for manganese, CID's, BIF's, gold and other base metal potential in Western Australia and Northern Territory (Atlas Gold/Iron and Shaw River Resources) – 2011-2013
- Baramine manganese project (Western Australia) field investigation, resource modelling and creation of conceptual understanding of the mineralisation – Shaw 2011-2012
- Otjosundu manganese mine (Namibia) – feasibility study, field investigations, resource modelling, grade control and ASX releases as the competent person for manganese – Shaw 2010 to 2012
- Open pit mining experience and exposure to more than 70 mines all over the world
- Desk top review of numerous manganese projects – Shaw 2010 to 2012
- Review of manganese genesis, depositional control, ore development and successful exploration methods used in Australia and Africa – Shaw 2010
- Geophysical survey (Schlumberger Electrical Depth Soundings) and hydrogeological evaluation of water supply target for the Mt Ida magnetite project – Jupiter Mines, 2012
- Licensing and permit applications – POW's, Section 26D, Section 5C, schedules activities, heritage issues, saline water disposal authorisations, attenuation zones certification, 11/17/21A permits – 2009 to 2012
- Closure costing and environmental site liability assessment and compliance with legislation and regulatory requirements for Consolidated Minerals (Woodie Woodie & Coobina Mines- WA), AGD operations (Augusta Mine - Victoria) and Sinosteel (Weld Range- WA) – 2010
- Coal seam gas developments and impacts – Conference and project evaluation – AGL Energy 2009
- Manganese evaluation of four explorations project results for Ringside Trading in Postmasburg - 2008
- Numerous iron and manganese ore resource evaluation projects (competent person) for PMG Mining, Rainbow Minerals of China, Tata of India, Coza Mining, Petra Diamonds, Internal Development Corporation of South Africa -2004 to 2008
- Exploration and geological advisor on numerous diamond projects (alluvial and kimberlite) for Diamond Hill Mining (RSA), Paramount Mining (Aus.), Dwyka Diamonds (Aus.) Tawana Resources and BHP Billiton- 2006-2008

- Otjisondo Manganese Mine in Namibia exploration and mining project management – Purity Manganese 2005 to 2006.
- Ferromanganese smelter EIA investigation for SA Manganese (Pacific Bullion of China) – 2005 & 2007.
- Geophysical investigation of Peiserton diamond pipe and fissure for Intuthuko Mining (PTY) Ltd – 2002.
- Managing diamond core drilling programme and resource determination/evaluation for Northwest Diamonds (PTY) Ltd – 2002.
- Geophysical investigations for Supermix Mining (PTY) Ltd on Kimberlite fissures and pipes (Bellsbank & Blouwbosch) – 2004 & ongoing.
- Geophysical investigation of diamond pipe and water resource for Mazel Mining (PTY) Ltd – 1999.
- Full resource evaluation – geophysics, diamond and percussion drilling, of Peiserton diamond mine for Diamcor of Canada – 2002.
- Ore resource evaluation and management of drilling program of manganese and iron deposit of Pensfontein and Knoffelfontein for Rahida Investment (PTY) Ltd – 2001.
- Iron and manganese ore resource evaluation for Tsansabane mining around Postmasburg – 2000 & 2002.
- Ore resource evaluation and management of drilling program of manganese and iron deposit of Rust in Vrede and Boskop for Audax Mining (PTY) Ltd – 1999 & 2000.
- Ore resource evaluation of Otjosondo manganese deposit in Namibia for Rahida Investment (PTY) Ltd – 2001 - 2007.
- Detrital iron ore resource evaluation for ASSMANG on the south mine and north mine – 2002 - 2003.
- Resource evaluation for Diamondcore Resources on the alluvial diamond deposits at Uitdraai and Hospital near Prieska, South Africa – 2003.
- Exploration and geophysical surveys for kimberlite pipes and fissures on a number of farms owned by Morgan Creek Properties – 2004.
- Resource evaluation and geophysical survey of alluvial diamond deposits for Diamond Hill Mining (PTY) Ltd – 2004.
- Iron and manganese exploration programmes for Copper Moon Trading (PTY) Ltd, PMG Mining (PTY) Ltd, Rainbow Minerals of Singapore and Pacific Bullion of China – 2000 -2007.
- Numerous alluvial diamond deposit evaluations and exploration projects – 2000 to 2007.
- Numerous other geological exploration projects for BHP, Audax Mining, Intuthuko Mining, Rahida Investment and smaller clients – 1999-2007.