



Dr William (Bill) A Sheppard
Senior Minerals Industry Geologist

PERSONAL DETAILS

Date of Birth: 18 December 1953
Nationalities: Irish and Australian

**EDUCATIONAL
QUALIFICATIONS**

BA (Hons) in Geology,
Trinity College, Dublin, 1976

PhD on "Host Rock Geology and
Geochemistry of the Avoca Mines,
Co. Wicklow, Ireland",
Trinity College, Dublin, 1981

**PROFESSIONAL
AFFILIATIONS**

Member, Australasian Institute of
Mining and Metallurgy (AusIMM)

Member, Institute of Materials,
Minerals and Mining (IMMM)

European Geologist (Eur Geol)

Member, Institute of Geologists of
Ireland (IGI)

Member, Irish Association for
Economic Geology (IAEG)

EXPERTISE – Au EXPLORATION

- Extended Mineral Deposit Anatomy studies of gold prospects within the Bambari Greenstone Belt, Passendro, Central African Republic
- Three-years as project manager of the highly auriferous Lomero-Poyatos VMS project in Spain including Resource model verification and target definition
- Supervision and planning of a 22 drillhole programme by Universal drill rig including logging and geological interpretation of all drill core at the Rosino epithermal gold deposit in Bulgaria
- Review and project activities on over 40 Au projects within the Tanzanian Goldfields
- Au exploration throughout much of the Pre-Carboniferous of Ireland and a major role in discovery of the Cavanacaw deposit now mined by Galantas
- Verification of computer generated models though geological study and based on experience of a diverse range of styles of mineralization in over 20 countries
- Drill programme design and supervision with a particular focus on core handling to meet top industry standards

CAREER EXPERIENCE

- *2006 to present*

Provision of services to the Minerals Industry in the capacity of freelance Senior Mineral Geology Consultant

Extended Mineral Deposit Anatomy studies of gold prospects within the Bambari Greenstone Belt, Passendro, Central African Republic and in Sierra Leone and Australia

Geological compilation and base metal targeting areas in Southeast Ireland

Target review and deposit assessment within Central Turkey

- *From 2003 to 2005*

Operations Manager with Cambridge Mineral Resources plc. for the Lomero-Poyatos project, Spain

Supervision of evaluation and exploration programmes incorporating a total of 58 drillholes and innovative geophysical surveying

Verification of Gemcom Resource models based on detailed studies of deposit anatomy and research of mining history

Development of an exploration strategy that greatly enhanced the global resource potential of the deposit

Target generation both within the project area and regionally within the Iberian Pyrite Belt

Extensive use of MapInfo software for compilation, interpretation and presentation

Design of promotional material; drafting of press releases and web site material

- *From 2000 to 2002*

Operations Manager for Hereward Ventures plc at Rosino Au Project, Bulgaria and in Ireland

Supervision and planning of a 22 drillhole programme for a leading-edge, high production Universal drill rig

Design of template for, and completion of, all core logging and geological interpretation

Responsibilities included geological mapping, reporting and data presentation

- *From 1993 to 2000*

The CSA Group – Head of Corporate Activities.

Prepared Independent Expert Reports on over 70 gold and base metal exploration projects in Tanzania, Zimbabwe, Zambia and Western Europe for listings on Vancouver, Australia, London and Luxembourg exchanges

Zn-Pb exploration projects in Greenland, Pakistan and Vietnam

Field review, Competent Person reporting and valuation of the Nunamin and Tertiary Gold portfolios of gold and base metal exploration projects in Eastern Greenland

- *From 1992 to 1993*

MIM Exploration Pty. Ltd., Queensland, Australia - Project Geologist

Development of sediment-hosted zinc-lead exploration targets adjacent to Hilton Mine, Mt. Isa

Detailed sedimentological studies as a basis for targeting in the vicinity of the McArthur River deposit, Northern Territory, Australia

- *From 1990 to 1992*

MIM Ltd., Mt. Isa, Queensland, Australia - Mine Geologist.

Undertook geological and production duties in the lead-zinc and copper sections of the Mt. Isa mine including extensive core logging and development mapping

Assessment of future ore sources and testwork requirements at the Mt. Isa Copper Mine

Geological input into mine planning through interaction with mining and processing professionals and staff.

- *From 1986 to 1990*

CRA Exploration Pty. Ltd., Eastern Australia - Project Geologist.

Responsible for geological reinterpretation that led to an 80 diamond drillhole programme at the Dugald River zinc-lead deposit, near Mt. Isa

Supervision of this drilling programme at Dugald River from which a ten-fold increase in the high grade Resource to over 40Mt resulted

Undertook base and precious metal exploration in Tasmania

- *From 1980 to 1986*

Rio Tinto Finance and Exploration Ltd., Dublin, Ireland – Project Geologist

Management of base metal and gold exploration projects throughout Ireland

Discovered outcropping vein gold which led to the discovery of the Cavancaw Au deposit, now a small gold mine operated by Galantas Gold Corporation

Selected for secondment to the Cerro Colorado porphyry copper project in Panama and to the Portuguese gold exploration team

SELECTED PUBLICATIONS AND REPORTS (To January 2006)

- Williams, F.A., Sheppard, W.A. and McArdle, P. 1986. Avoca Mine, County Wicklow: A Review of Geological and Isotopic Studies. *in* Geology and Genesis of mineral Deposits in Ireland. Irish Association for Economic Geology. Eds. Andrew et al 1986, 71 – 82.
- Sheppard, W.A. and Main, J. 1990. Advances in the understanding of the Dugald River Zinc Deposit, Queensland, Australia. Zinc 90 Conference Abstracts. *Australasian Institute for Mining and Metallurgy*
- Sheppard, W.A. 1992. Future Ore Testwork Southern 1100 Orebody. *Internal Report Mount Isa Mines Ltd.*
- Sheppard, W.A. 1992. Hilton Geological Review Jan. 92 to Nov. 92 including 650 Orebody (Mt. Isa) Studies. *Internal Report MIM Exploration Pty. Ltd.*
- Neudert, M. and Sheppard, W.A. 1993. A Review of the Geology of the Lynott EL/HYC Area with Emphasis on the Facies Architecture of the Post-Teena Dolomite Strata. *Internal Report MIM Exploration Pty. Ltd.*
- Sheppard, W.A. 1994. A Namibian Profile with a Focus on the Mining and Exploration Industry. *CSA Report 090.94.*
- Sheppard, W.A. and Schaffalitzky, C. 1995. Independent Expert Report on the Sanyati Mine, Zimbabwe. *CSA Report December 1995.*
- Sheppard, W.A. and Odinga, M. 1996. Report on Exploration Activities Khuzdar Region, Balochistan. *CSA Report 110.96.*
- Sheppard, W.A. 1997. An Independent Expert Report on the Exploration Licences of East Africa Mines Ltd in Tanzania. *CSA Report 129.97.*
- Sheppard, W.A. 1997. Review and Valuation of the Exploration Projects of Nunaoil A/S in Greenland. *CSA Report 224.97.*
- Sheppard, W.A. 1997. Review of Exploration Projects of Tertiary Gold Ltd in Sweden and Greenland. *CSA Report 242.97.*
- Sheppard, W.A. 1998. The Valuation of Early Stage Exploration Properties in the Current Market Place. Irish Association for Economic Geology Annual Review 1998, 62 – 65.
- Sheppard, W.A. 2004. Review of the 2004 Resource Model for Lomero-Poyatos. *Internal CMR Report WAS 115.04*
- Sheppard, W.A. 2005. The Geology of the Lomero-Poyatos Deposit, Iberian Pyrite Belt, Spain. *Presentation to the Mineral Deposit Studies Group, Winter Meeting 2004.*
- Sheppard, W.A. and Tenorio, S. 2005. An Update on the Mining History of the Lomero-Poyatos Deposit. *Internal CMR Report WAS120.05.*