

**WILLIAM J. LEWIS, B.Sc., P.Geo.**  
**Senior Geologist****BACKGROUND**

William (Bill) Lewis is a Senior Geologist with Micon International, mineral industry consultants. He has 20 years of professional experience with both exploration and mining projects, including 10 years of experience in production, mineral resource estimation, ore reserve reporting and grade control in underground mines. Prior to joining Micon, he was the Chief Geologist at the New Britannia Mine in Snow Lake, Manitoba and part of the management team responsible for the successful operation of this low-grade mine. He also held the position of Production Geologist at the Giant Gold Mine in Yellowknife, NWT. The gold mineralization at both the New Britannia and Giant mines was associated with hydrothermally altered and sulphide-bearing mafic volcanic rocks hosted in zones of shearing and deformation.

Mr. Lewis has managed and supervised exploration projects within Canada and has initiated and supervised underground development and diamond drilling programs. He has undertaken the evaluation of the economic potential of mineral properties and has directed and supervised resource and reserve calculations, and the reporting of those estimates in compliance with all regulatory requirements.

As Chief Geologist at New Britannia mine, he was responsible for all geological aspects pertaining to the mine, including budgeting, ore deposit modelling, life-of-mine ore reserve estimation and documentation, establishing grade control procedures, implementation of assaying standards, mine reconciliation, design and implementation of exploration and definition drilling programs, management of land holdings and evaluation of property submissions. The Chief Geologist and the Technical Services Co-ordinator were jointly responsible for designing and implementing both the short and long-term mine planning.

As part of the Micon team, Mr. Lewis conducts mineral reserve and resource estimation, mineral reserve and resource audits and reviews, technical due diligence reviews of exploration, development and operating properties, prepares Technical Reports according to the provisions listed in National Instrument 43-101 and participates in the assessment and valuation of mines and mineral properties. He has undertaken a number of assignments in North and South America as well as in Russia, as listed below.

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**PROFESSIONAL ASSIGNMENTS**

**Annual Information Forms (AIF):** Reviewed and assisted in the preparation of a number of AIF's for various companies.

**Aurizon Mines Ltd.:** Reviewed development and production plans and costs for the Casa Berardi mine in Quebec as part of a review of the Feasibility Study for BNP Paribas. Assisted in completing the Cost to Complete and Completion Test documentation and testing for use by BNP Paribas.

**Blue Note Metals Inc.:** Reviewed the mining plans and production schedule for the acquisition and re-opening of the Caribou and Restigouche mines, Bathurst Mining District, New Brunswick Canada. Assisted in the preparation of a Technical Report in support of the Business Plan to re-open the Caribou and Restigouche mines.

**Colombia Goldfields Ltd.:** Prepared a Technical Report for the Marmato and Caramanta projects in the Departments of Caldas and Antioquia, Republic of Colombia in support of a listing application for the TSX. The Marmato project is one of the most important historical gold properties in Colombia and lies in the heart of the main historical gold producing region. Mineralization is of the epithermal intermediate sulphidation type. Technical Report stating the resource estimate for the Marmato project.

**ECU Silver Mining Ltd.** Authored two Technical Reports stating the mineral resource and reserve estimates for the Velardeña project in the State of Durango, Mexico. The Guanaceví project hosts an epithermal low sulphidation quartz-carbonate fracture filling vein. The vein contains high grade silver mineralization with lesser amounts of gold, lead and zinc.

**Endeavour Silver Corp.:** Co-authored a Technical Report on the audit of the mineral resource and reserve estimates for the Guanaceví project in the State of Durango, Mexico. The Guanaceví project hosts an epithermal low sulphidation quartz-carbonate fracture filling vein. The vein contains high grade silver mineralization with lesser amounts of gold, lead and zinc. Co-authored a second Technical Report stating the mineral resource and reserve estimates for the Guanaceví project in the State of Durango, Mexico. Co-authored a Technical Report stating the mineral resource and reserve estimates for the Guanajuato project located in the State of Guanajuato, Mexico.

**Explorator Resources Inc.,** Technical Report on the El Espino-Venus property, Chile and mineral resource estimate which was undertaken in support of a NI 43-101 compliant resource estimate and further exploration program on the property. IOCG style mineral deposit located within the central mountain range of Chile.

**Garson Resources Ltd.:** Technical Report on the New Britannia mine property and review of the mineral resource estimate which was undertaken in support of a NI 43-101 compliant

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resource estimate and further exploration program on the property. The New Britannia mine mineral deposit is a Archean gold deposit.

**Goldmarca Ltd.:** Reviewed mineral resource estimates and mining plans for the Condor gold project, Ecuador for their use in a pre-feasibility study. Mineralization comprises copper-lead-zinc sulphides associated with gold and silver high grade contained within epithermal veins and hydrothermal breccias.

**High River Gold Mines Ltd.:** Prepared a Technical Report for the Prognoz silver deposit in the Republic of Sakha (Yakutia) Russia in support of the acquisition and exploration and development plans. The Prognoz deposit is a silver-lead-zinc vein-type deposit within a shear zone, where the host rocks are sandstones.

**Minco Plc.:** Review the geology , exploration potential and the resources and reserves of the Rey de Plata mine in the Guerrero State, Mexico. The review was part of the due diligence process for the acquisition of the Rey de Plata mine from Peñoles. The Rey de Plata deposit is a group of zinc-lead-copper-silver-gold volcanogenic massive sulphide bodies located in the Teloloapan subterranean of the Guerrero terrane of western Mexico.

**Normabec Mining Resources Ltd.:** Prepared a Technical Report for the Real de Catorce property in San Luis Potosí State, Mexico in support of the acquisition and exploration and development plans. The silver deposits within the Catorce mining district are comprised of veins (originated by fault and fissure filling), pipe-like bodies (“chimneys” or “chimeneas”) and mantos. Prepared an updated Technical Report for the Real de Catorce property in support of the tailings resource estimate. Prepared a Technical Report for the Real de Catorce property in support of a resource estimate.

**OJSC Buryatzoloto.:** Prepared consecutive Technical Reports which audited and brought into CIM compliance the mineral resource and reserve estimates for the Irokinda and Zun Holba gold mines in the Republic of Buryatia, Russian Federation. The mineralization of both mines consists of gold contained primarily within quartz veins confined to fracture systems

**Pegasus Mining Ltd.:** Assist client in preparing a bid document for the New Britannia mine in Snow Lake, Manitoba, Canada.

**RMP Resources Corp.:** Prepared a Technical Report on the Lake Owen mineral project, Albany County, Wyoming, USA in support of a listing application for the TSX Venture Exchange. This report was an update of a portion of the previous Trend Mining Company report for the Lake Owen mineral project. The project is a platinum-palladium-iron-gold occurrence hosted Bushveld-style layered mafic intrusives.

**Royal Nickel Corp.:** Prepared a Technical Report on the Dumont property to review and assess the potential for the property to host economic nickel mineralization and to comment on the propriety of Royal Nickel’s proposed exploration plan and budget. Co-authored a Technical Report which reviewed and stated the mineral resource estimate for the Dumont property.

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**Silver Bear Resources Inc.:** Audited and assisted in the preparation of resource estimates and prepared a Technical Report for the Avlayakan project in Khabarovsk Krai Territory, Russia. Mineralization comprises gold and silver vein-type deposits which are spatially associated with zones of altered rocks, primarily proylites and metasomatites.

**Silver Bear Resources Inc.:** Prepared a Technical Report on the Mangazeisky silver project, in the Republic of Sakha (Yakutia), Russian Federation in support of the listing application for the TSX. The silver mineralization is associated with veins hosted by fractures and shear zones.

**Silvermex Resources Ltd.:** Prepared a Technical Report on the Peñasco Quemado silver property in Sonora, Mexico in support of the listing application for the TSX-Venture Exchange. The mineralization occurs as structurally-controlled fissure fillings in the granite and is disseminated in sheared and brecciated zones (epithermal breccias) in the polyclastic sedimentary breccia. Prepared and updated Technical Report on the Peñasco Quemado silver property in Sonora, Mexico to report the results of the drilling program and resource estimate.

**Silvermex Resources Ltd.:** Prepared a Technical Report on the San Marcial property in the La Rastra mining district, Sinaloa, Mexico in support in support of the acquisition and exploration plans. Prepared a second Technical Report on the San Marcial property in support of a mineral resource audit for the San Marcial property once Silvermex conducted further work.

**Silvermex Resources Ltd.:** Prepared a Technical Report on the La Frazada silver property in Sonora, Mexico in support of the preliminary mineral resource estimate. The mineralization occurs as structurally-controlled fissure fillings and is disseminated in sheared and brecciated zones (epithermal breccias) in the polyclastic volcanic host rock..

**Southern Star Resources Inc.:** Prepared a Technical Report on the mineralization found in the Bruce Channel Zone in support of both an exploration budget and for listing application for the TSX-Venture Exchange. The mineralization and geology of this portion of the Gold Eagle Joint Venture in Red Lake, Ontario consists of both Type II and Type III gold deposits. Type II comprises veins and lenses of cherty quartz and carbonate, examples of which were found at the Cochenour-Willans and McMarmac mines. Type III consists of shear-zone hosted gold mineralization that is associated with sulphide enrichments as was found in the Madsen mine.

**Timmins Gold Corporation:** Prepared a Technical Report on the San Francisco mine property in Sonora, Mexico in support of the listing application for the TSX-Venture Exchange. Mineralization occurs as disseminated free gold in stockworks and in brecciated areas, related to goethite, quartz and tourmaline, as well as in low and high angled vein-shaped structures. Prepared and updated Technical Report on the San Francisco mine property in Sonora, Mexico to report the results of the drilling program and resource estimate. Assisted with the preparation of the NI 43-101 Technical Report for the feasibility study on the San Francisco Mine.

**Trend Mining Company:** Prepared a Technical Report relating to land holdings in Montana and Wyoming as material properties in support of the listing application for the TSX-Venture

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Exchange. The geology of the properties consists of Bushveld-style layered mafic intrusives with the potential to host PGM mineralization.

**Tyhee NWT Corp.:** Reviewed mine plans for the Ormsby Zone as part of a pre-feasibility study. The mineralization occurs as numerous native gold-bearing zones of sulphide (pyrite, pyrrhotite, arsenopyrite, and minor chalcopyrite) altered amphibolite and associated quartz veins.

**Olympus Pacific Minerals Inc.:** Reviewed mineral resource estimates for the Dak Sa gold project, Vietnam for its suitability for use in a pre-feasibility study.

**Zacoro Metals Inc.:** Prepared a Technical Report and audited the preliminary mineral resource estimate on the El Cobre (Macocozac) property in the State of Zacatecas, Mexico. The El Cobre deposits occur as skarns, mantos and chimneys around a main intrusive. The primary mineralization is copper and gold with secondary mineralization of molybdenum and silver.

**PROFESSIONAL HISTORY**

April, 2005 – Present	Micon International Limited., Senior Geologist
February, 1996 – March, 2005	Kinross Gold Corporation (TVX Gold Inc./TVX Newmont) New Britannia Mine, Chief Geologist, Senior Geologist, Production Geologist
July, 1992 – January, 1996	Royal Oak Mines Ltd., Yellowknife Division, Giant Mine, Production Geologist, Mill Operator
August, 1991 – July, 1992	Contract Assignments for Breakwater Resources Ltd. and various individuals as exploration geologist
December, 1988 – August, 1991	Breakwater Resources Ltd., Noramco Exploration Inc. Project Geologist/Land Manager
December, 1987 – December, 1988	Contract Assignments, Nexus Resources Corp. & Emerging Technologies, Exploration Geologist
May, 1985 – November, 1987	Geotechnical & Materials Branch, Ministry of Transportation and Highways: Engineering Aide

**EDUCATION**

B.Sc. Geology, University of British Columbia, 1985

**TECHNICAL COURSES**

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- Commercial explosives introductory module – B.C. Safety Council
- Northwest Territories Basic Mine Rescue Training.
- Manitoba Basic Mine Rescue Training.
- Workplace Safety and Health Accident Investigation Workshop.
- Developing Leadership Skills for Supervisors.
- Basic Medic First Aid.
- Gemcom Block Modeling.

**PROFESSIONAL ASSOCIATIONS**

- Association of Professional Engineers and Geoscientists of British Columbia. Registration # 20333
- Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories. Registration # 1450
- Association of Professional Engineers and Geoscientists of Manitoba. Registration #20480G
- Association of Professional Geoscientists of Ontario. Registration #1522
- Canadian Institute of Mining, Metallurgy and Petroleum #94758
- Geological Association of Canada (Associate # A5975)