



**ANNUAL INFORMATION FORM**

**Fiscal year ended December 31, 2019**

**March 30, 2020**

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In this Annual Information Form, unless otherwise specified, all dollar amounts are expressed in Canadian dollars.

*This document contains certain forward-looking information. This forward-looking information includes, or may be based upon, estimates, forecasts, and statements as to management's expectations with respect to, among other things, the size and quality of the Company's mineral resources, progress in permitting and development of mineral properties, timing and cost for placing the Company's mineral projects into production, costs of production, amount and quality of metal products recoverable from the Company's mineral resources, demand and market outlook for metals and future metal prices. Forward-looking information is based on the opinions and estimates of management as well as certain assumptions at the date the information is given (including, in respect of the forward-looking information contained in this document, assumptions regarding the Company's ability to arrange necessary financing and obtain all necessary permits for its projects and the capital and operating costs of its projects). However, such forward-looking information is subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those projected in the forward-looking information. These factors include the inherent risks involved in the exploration and development of mineral properties, uncertainties with respect to the receipt or timing of required permits and regulatory approvals, the uncertainties involved in interpreting drilling results and other geological data, fluctuating metal prices, the possibility of project cost overruns or unanticipated costs and expenses, uncertainties relating to the availability and costs of financing needed in the future, uncertainties related to metal recoveries and other factors. See "Description of the Business - Risk Factors". Mineral resources that are not mineral reserves do not have demonstrated economic viability. Inferred mineral resources are considered too speculative geologically to have economic considerations applied to them that would enable them to be categorized as mineral reserves. There is no certainty that mineral resources will be converted into mineral reserves. Readers are cautioned to not place undue reliance on forward-looking information because it is possible that predictions, forecasts, projections and other forms of forward-looking information will not be achieved by the Company. The forward-looking information contained herein is made as of the date hereof and the Company assumes no responsibility to update them or revise it to reflect new events or circumstances, except as required by law.*

## **CORPORATE STRUCTURE**

### **Name, Address and Incorporation**

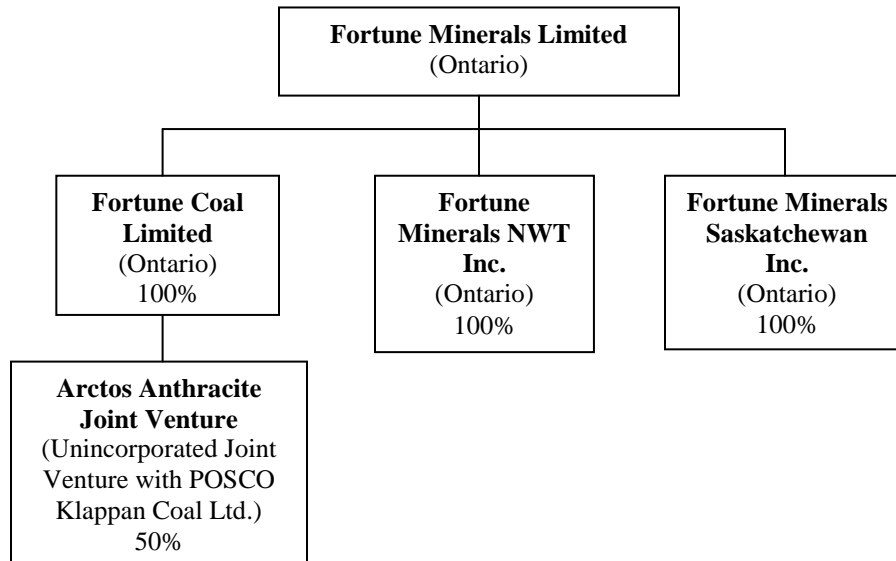
Fortune Minerals Limited ("FML", "the Company", or "Fortune") was incorporated pursuant to the Business Corporations Act (Ontario) by certificate of incorporation dated August 2, 1988. By certificate and articles of amendment dated March 2, 1989, FML amended its articles to remove the private company restrictions from its articles. By certificate and articles of amendment dated July 28, 1997, FML amended its articles to subdivide the common shares in the capital of the Company (the "Common Shares") on a three-for-one basis.

The Company has three material subsidiaries, Fortune Minerals Saskatchewan Inc. ("FMSI"), Fortune Minerals NWT Inc. ("FMNWT"), and Fortune Coal Limited ("FCL") all of which are wholly-owned by FML. All such subsidiaries were incorporated pursuant to the Business Corporations Act (Ontario). Unless the context otherwise requires, the terms "Fortune" and "the Company" where used herein refer to FML, FMSI, FMNWT, and FCL on a consolidated basis. In 2011, FCL entered into an unincorporated joint venture, the Arctos Anthracite Joint Venture ("Arctos JV") with POSCO Canada Ltd. ("POSCAN") and POSCO Klappan Coal Ltd. ("POSCO Klappan"), a wholly owned subsidiary of POSCAN. FCL's 50% interest in the Arctos JV is accounted for by the Company as a joint operation using proportionate consolidation.

FML's registered and head office is located at Suite 1600, 148 Fullarton Street, London, Ontario, N6A 5P3, its telephone number is (519) 858-8188 and its fax number is (519) 858-8155. FML is a reporting issuer in each of the provinces and territories of Canada.

## Intercorporate Relationships

The following diagram sets forth the organizational structure of FML and its material affiliates:



## GENERAL DEVELOPMENT OF THE BUSINESS

### Three Year History

Fortune is a mining and resource development company with mineral deposits in the advanced exploration and development stage, located in Canada. The Company is currently focused on development of the NICO cobalt-gold-bismuth-copper deposit (“NICO”) in the Northwest Territories (“NWT”). As part of the development of the NICO deposit, Fortune had purchased lands near Saskatoon, Saskatchewan, where it proposed to construct a hydrometallurgical refinery to process metal concentrates produced from the NICO property to high value metal and chemical products. The municipal zoning change required to construct and operate this hydrothermal refinery was denied by the Rural Municipality of Corman Park and Fortune sold the property. The Company subsequently entered into an option to purchase an alternative site in Saskatchewan, but is also considering a number of other sites in Alberta, Saskatchewan and British Columbia, three of which are brownfield with existing facilities that could materially reduce the capital costs for the hydrometallurgical refinery (the “Refinery” and collectively with NICO, the “NICO Project”). Based on a completed feasibility study, the NICO Project contains reserves to support mining operations for more than 20 years. In addition, the Company owns the Sue-Dianne copper-silver-gold deposit (“Sue-Dianne”) and the Salkeld Lake exploration project in the NWT. The Company, together with POSCAN also has a right to repurchase the licenses containing the Arctos anthracite metallurgical coal project in British Columbia (“Arctos”), within a 10-year option period, from the British Columbia Railway Company, which purchased these licenses on behalf of the British Columbia Government on May 1, 2015. Fortune is pursuing growth of shareholder value through assembly, development and operation of high quality mineral resource projects. The Company’s strategy is currently focused on the NICO Project.

In pursuit of its strategy, Fortune is: (i) building and enhancing existing relationships with First Nations, local communities, governments and other stakeholders who may be impacted by and benefit from the NICO project and its proposed Refinery; (ii) obtaining environmental and operational permits for NICO; (iii) investigating potential greenfield and brownfield sites for the NICO Refinery and potential partnerships, and (iv) engaging with potential strategic and financing partners, evaluating potential transactions and acquiring the funding for the development, construction and successful commercial production of the NICO Project.

### *Year Ended December 31, 2017*

During 2017, exploration and evaluation cash expenditures by the Company on its properties were \$1,854,532, of which \$1,851,729 was spent on the NICO Project and \$2,803 was spent on other projects. Expenditures on plant and equipment for mining properties and corporate assets were \$722,543.

During 2017 the Company engaged Hatch Ltd. (“Hatch”), P&E Mining Consultants Inc. (“P&E”) and Micon International Limited (“Micon”) to update the 2014 Feasibility Study for the NICO Project. In addition to updating economics for the NICO Project using updated costs, currency exchange rates and commodity prices, Hatch, P&E and Micon were also retained to conduct additional engineering work. This included design improvements to the cobalt sulphate circuit, with the expected effect of increasing annual production by approximately 30% and also to better align cobalt production with market demands, improve economies of scale and return on investment, and increase production flexibility by incorporating a stockpiling strategy to manage the production of bismuth and cobalt relative to their respective markets.

On January 11, 2017, the Government of Canada (“GOC”), the Government of the Northwest Territories (“GNWT”) and the Tlicho Government announced federal funding to provide up to 25% of the construction costs to build a public highway to the community of Whati (“Tlicho Road”). Whati is 50 km south of NICO which has already received its environmental assessment approval for a mine and concentrator and a spur road from the planned public highway to the mine. The GNWT Department of Transportation submitted the requisite permit applications to the Wek’eezhii Land and Water Board to build this highway. The Tlicho Road will consist of approximately 97 km of a new 2-lane road from Highway 3 to the community of Whati, including four new bridges and one large arched culvert. The routing for the Tlicho Road follows an existing

brownfield land-based winter road route to minimize environmental disturbance and lower construction costs. In September, the GNWT announced that it had completed the Request for Qualification process and short-listed three consortiums of Canadian and international construction companies to advance to the Request for Proposal phase for the finance, design, construction, operation and maintenance of the remaining 75% cost of this road under a Public Private Partnership (P3). The project was in the late stages of environmental assessment at the time led by the Mackenzie Valley Environmental Impact Review Board (“the Impact Review Board”) which was expected to complete its review in the second quarter of 2018.

In January 2017, the Company engaged PricewaterhouseCoopers Corporate Finance Inc. (“PwCCF”) to assist with securing financing for construction of the NICO Project.

In March 2017, the Company completed a short form prospectus offering (the “Prospectus Offering”) of units (the “Prospectus Units”) of the Corporation with Cormark Securities Inc., acting as underwriter, on a bought deal basis. In connection with the Prospectus Offering, the Company issued 25,800,000 Prospectus Units at a price of \$0.25 per Prospectus Unit for total gross proceeds of \$6,450,000 (including 3,000,000 Prospectus Units issued as a result of the underwriter exercising its overallotment option in full). Each Prospectus Unit consisted of one Common Share and one-half of one Common Share purchase warrant (a “Prospectus Warrant”), with each whole Prospectus Warrant entitling the holder thereof to purchase one Common Share at a price of \$0.35 for a period of two years following the closing date.

In June 2017, the Company engaged the services of Mr. Glen Koropchuk to fulfill the role of Technical Director and Chief Operating Officer to lead the development of the NICO Project.

In December 2017, the Company completed a non-brokered private placement of units of securities of the Company (“Private Placement Units”) for total gross proceeds of \$5,000,000. Up to 29,411,766 Private Placement Units were issued at a subscription price of \$0.17 per Private Placement Unit. Each Private Placement Unit consisted of one Common Share and one-half of one Common Share purchase warrant with each whole warrant entitling the holder to purchase one Common Share at a price of \$0.25 for a period of two years following the closing date.

During the year, the Company also engaged SGS Canada Inc. (“SGS”) to complete a small metallurgical testing program to assist with downstream cobalt sulphate heptahydrate production engineering.

#### ***Year Ended December 31, 2018***

During 2018, exploration and evaluation cash expenditures by the Company on its properties were \$2,463,277, of which \$2,460,366 was spent on the NICO Project and \$2,911 was spent on other projects. Expenditures on plant and equipment for mining properties and corporate assets were \$1,278,877.

During 2018 the Company continued to work with Hatch, P&E and Micon to update the technical report on the 2014 Feasibility Study for the NICO Project. The Company had expected to issue the completed feasibility study update by the end of the second quarter of 2018, but changed the scope of the updated technical report to include options for producing metal concentrates after the Company was contacted by major diversified mining companies interested in purchasing metal concentrates directly from the NICO mine. As a result of this interest, the Company was presented with several new development scenario opportunities that the Company felt could be attractive and were worth investigating. In order to allow the flexibility of selling metal concentrates directly from the mine, the Company instructed Hatch to adjust engineering designs in order to allow for the flexibility of proceeding with, or deferring, the downstream Refinery, which resulted in a delay in the issuance of the completed feasibility study update.

On March 29, 2018, the Impact Review Board recommended that the Tlicho Road be approved subject to measures designed to mitigate potential environmental, social and cultural impacts. On October 26, 2018, the GNWT announced that the responsible ministers of the GOC and the GNWT had accepted the environmental

assessment approval for the Tlichio Road incorporating the modified measures developed together with the Tlichio Government through the consult to modify process and the Impact Review Board. The Tlichio Government also approved the Impact Review Board's recommendation with modifications. On November 13, 2018, the GNWT announced that North Star Infrastructure had been selected as the preferred proponent to fund, construct, operate and maintain the Tlichio Road. Construction was anticipated to begin in the fall of 2019.

On April 18, 2018, Fortune provided notice that it would be terminating its engagement with PwCCF effective May 18, 2018 as the Company believed that the most efficient way forward is for its management to drive the financial process for financing the NICO Project as the financing strategy relies primarily on management's detailed knowledge of the processes, commodities and marketing.

On April 23, 2018, the Company submitted its Comprehensive Development Report to the Rural Municipality of Corman Park ("Corman Park") to rezone its lands in Corman Park to Industrial which was required to build the Refinery on these lands.

During the year, the Company also engaged Dundee Sustainable Technologies Inc. ("DST") to conduct a metallurgical test work program to assess the application of its Pyrolysis Roast and Arsenic Stabilization processes on metal concentrates produced from the NICO Project. The objective of this work was to demonstrate that the Company can remove the arsenic and create metal concentrates that are more attractive to the market and allow for their treatment in existing metal recovery circuits operating around the world. The test work was initiated after several mining and refining companies contacted the Company to express interest in purchasing metal concentrates directly from the mine. Successful results of the test work verified that an upgraded and essentially arsenic-free cobalt concentrate can be produced at NICO. Gold can also be recovered from metal concentrates at the mine site, which would allow the Company to control the gold revenue stream, while producing separate cobalt and bismuth concentrates for sale to third party processors without arsenic that is typically penalized by smelters.

The Company continued to strengthen the board of directors. On June 19, 2018, Mr. John McVey, CEO and Executive Director of the Procon Group of Companies, was appointed to the Company's board of directors.

#### ***Year Ended December 31, 2019***

During 2019, exploration and evaluation cash expenditures by the Company on its properties were \$1,486,191, of which \$1,483,388 was spent on the NICO Project and \$2,803 was spent on other projects. Expenditures on plant and equipment for mining properties and corporate assets were \$656,276.

On January 30, 2019, the Company entered into a Socio-Economic Agreement ("SEA") with the GNWT. The SEA formalizes GNWT and Fortune objectives to optimize Northern and Indigenous employment, training, business opportunities and education to benefit residents of the NWT. The SEA also establishes measures to identify and mitigate socio-economic impacts arising from development of the mine and related facilities in Tlichio territory.

On March 25, 2019, Corman Park rejected the Company's application to change the zoning of its lands that were contemplated to be the site of the Refinery from Agriculture to M2 Rural Industrial. As a result of this negative rezoning decision, the Company sold its lands for gross proceeds of \$1,080,000. The Company had been working on the identification of alternative sites in the event of a negative zoning change decision. In April 2019, the Company entered into an option to purchase land which has already been planned for industrial use and meets the Company's infrastructure and services requirements, and is also examining two brownfield sites with permitted hydrometallurgical process equipment that could materially reduce the capital costs for the NICO Project development.

In May 2019, the Company engaged SGS to conduct test work verifying that gold can be recovered from the Company's cobalt and bismuth flotation concentrates at the proposed NICO mine site after earlier tests conducted at DST had indicated high recovery rates. The test work was required to prove gold recovery at the

NICO mine site in the event the Company wishes to pursue the sale of concentrate option. The tests also validated that gravity used in combination with flotation will result in higher gold recoveries into the bulk concentrate with a recovery of 88% from ores grading 5 grams per tonne or more.

During 2019, Fortune continued to work with Hatch, P&E and Micon to update the technical report on the 2014 Feasibility Study for the NICO Project. The updated study assessed options for producing metal concentrates and gold doré for direct sale to third party refiners from the Company's proposed mine and concentrator in the NWT. After assessing the indicative economics of the expanded 6,000 tonnes per day ("tpd") mill throughput rate, the Company concluded that the additional capital required to construct a larger project would not deliver a commensurate increase in cash flows to justify the expansion at prevailing cobalt and bismuth prices. Consequently, work on the expanded 6,000 tpd mill throughput rate study was suspended. Since the suspension of the updated study the Company has been evaluating a number of high level financial models assessing the NICO Project indicative economics using different pit sizes and various production rate sensitivities. The engineering and revised cost quotes from the 6,000 tpd case were used as the basis for the factored capital and operating costs used in these different production rate scenarios. The Company concluded from these financial model sensitivities that the 4,650 tpd rate used in the 2014 Feasibility Study was likely optimal to produce the best balance between economies of scale and capital costs at prevailing cobalt and bismuth prices, while focusing on a smaller open pit with higher cobalt and gold grades. The analyses also determined that a combined open pit and underground approach to the mine plan in the early years of the mine life, which was contemplated in the 2014 study, could also produce a more attractive indicative rate of return from earlier access to deeper gold-rich ores in the deposit.

During the year, the Company discovered a new zone of copper mineralization at its NICO site in the NWT. The new zone was identified in bedrock and boulders excavated from a pit last spring to provide aggregate for road work. Three of the four representative grab samples collected from the pit returned grades of 1.66%, 1.55% and 0.78% copper from analyses carried out by ALS Canada Ltd. The Company conducted additional geological investigations in this area and in the vicinities of two large combined magnetic, gravity and magnetotelluric geophysical anomalies to determine if additional ground based geophysical surveys are warranted to provide better definition for potential future drill testing.

Also during 2019, the Company identified additional potential sites for the Refinery, including a brownfield option that has existing hydrometallurgical process equipment to materially reduce the capital costs for the planned development and another industrial site that is serviced and planned for industrial use. Subsequently, two additional brownfield options were identified.

In September, 2019, construction commenced of the Tlicho Road, a 97-kilometre, 2 lane gravel highway, extending north from Highway 3 to Whati. The \$213.8 million Tlicho Road is a Private Public Partnership ("P3") between the GNWT and North Star, a consortium consisting of Kiewit Canada Development Corp. and the Tlicho Government, together with Design-Build partners Peter Kiewit Sons ULC, Hatch Corporation, and Thurber Engineering Ltd. North Star has designed, financed, and will construct, operate and maintain the Tlicho Road for a total contract value of \$411.8 million over a 28-year period. The Tlicho Government has invested approximately \$16 million to purchase a 20% equity interest in North Star. The Government of Canada is providing up to 25% of the cost for the Tlicho Road through the P3 Canada Fund. Construction of the Tlicho Road is advancing at a rapid pace and is ahead of schedule.

In November, 2019 the Company concluded and signed an Access Agreement with the Tlicho Government which will enable the development of an access road between Whati and the NICO Project.

In November and December 2019, the Company completed a private placement on a flow-through basis for total gross proceeds of \$1,225,000. A total of 12,250,000 new common shares were issued at a subscription price of \$0.10.



The Company is continuing to form strategic relationships in order to supply key partners and markets for Fortune's commodities. This strategy continues to be the focus to advance the development of the Company's NICO Project.

Through the year, the Company's business activities related to the NICO Project were focused on critical path activities required to advance permitting and financing of both the NICO mine and Refinery sites.

### **Significant Acquisitions**

Fortune did not make any significant acquisitions, as such term is defined in National Instrument 51-102, during the year ended December 31, 2019, nor during the subsequent period to the date of this Annual Information Form.

## **DESCRIPTION OF THE BUSINESS**

### **General**

Fortune is a mining and mine development company. The Common Shares are listed on the Toronto Stock Exchange ("TSX") under the symbol "FT" and on the OTC Markets Group Inc.'s OTCQB International tier ("OTCQB") under the symbol "FTMDF". FML is involved in the exploration and development of specialty metals, base metals and precious metals, in the NWT and a Refinery in Saskatchewan or other suitable jurisdiction. The NICO Project is at an advanced stage of exploration and development that includes a proposed hydrometallurgical processing plant to process metal concentrates produced from the NICO mine to higher value metal and chemical products. The Company has 6 employees and 4 consultants across Canada.

### **Risk Factors**

The operations of the Company are speculative due to the high-risk nature of its business, which are the acquisition, financing, exploration and development of mining properties. The risks below are not the only ones facing the Company. Additional risks not currently known to the Company, or that the Company currently deems immaterial, may also impair the Company's operations. If any of the following risks actually occur, the Company's business, financial condition and operating results could be adversely affected.

### ***Permits and Licenses***

The operations of the Company require licenses and permits from various governmental authorities. The Company believes that it presently holds all necessary licenses and permits required to carry out the activities it is currently conducting under applicable laws and regulations and the Company believes it is presently complying in all material respects with the terms of such licenses and permits. However, such licenses and permits are subject to change in regulations and in various operating circumstances. There can be no assurance that the Company will be able to obtain all licenses and permits required to carry out future exploration, development and mining operations at its projects.

### ***Completion of Tlicho Road***

While the Company currently anticipates that the Tlicho Road will be completed, the timing related thereto is outside of the control of the Company. For more information regarding the Tlicho Road, please see above under "Three Year History".

### ***Economic Analysis in the 2014 NICO Report***

The economic analysis contained in the technical report entitled "*Technical Report in the Feasibility Study for the NICO Cobalt-Gold-Bismuth Project, Northwest Territories, Canada*", dated April 2, 2014, prepared on behalf of the Company by Micon (the "2014 NICO Report") was completed based on the assumption that the NICO Project would be financed as to 30% by equity and as to 70% by debt. While this assumption reflected the terms of a non-binding memorandum of understanding (the "MOU") in effect at the time the 2014 NICO

Report was published, the financing arrangement contemplated by the MOU is no longer available to the Company. The Company will therefore need to obtain additional financing from external sources and/or find suitable joint venture partners in order to fund the development of the NICO Project, including the Refinery. In addition, there is no assurance that the economics of the NICO Project to be reflected in the contemplated update of the 2014 Feasibility Study will be more favourable than those in the original study. There is no assurance that the Company will be able to obtain financing on terms similar or more favourable to the terms assumed in the 2014 NICO Report or at all. Failure to obtain financing on similar or more favourable terms could result in delay or indefinite postponement of further exploration and development of the NICO Project and/or result in material amendments to, among other things, the expected yields of the NICO Project.

#### ***Location of Refinery***

The Company does not currently own any lands on which to build the Refinery, as the lands previously held for this purpose were sold as a result of a negative rezoning decision by the local municipality. In the event that the rezoning decision was negative, the Company went through the process of identifying alternative sites in Saskatchewan and other suitable jurisdictions to build the Refinery. Several sites, both greenfield and brownfield, have been identified but no decisions have been made. Once the Company has selected the appropriate site for the Refinery, it will need to work towards obtaining all necessary approvals and permits.

#### ***Limited Financial Resources***

The existing financial resources of the Company are not sufficient to bring any of its properties into commercial production. The Company will need to obtain additional financing from external sources and/or find suitable joint venture partners in order to fund the development of the NICO mine and Refinery. There is no assurance that the Company will be able to obtain such financing or joint venture partners on favourable terms or at all. Failure to obtain financing or joint venture partners could result in delay or indefinite postponement of further exploration and development of the Company's properties.

#### ***Negative Operating Cash Flow***

The Company reported negative cash flow from operations for the year ended December 31, 2019. It is anticipated that the Company will continue to report negative operating cash flow in future periods, likely until one or more of its mineral properties are placed into production. To the extent that the Company has negative operating cash flows in future periods, it may need to deploy a portion of its existing working capital to fund such negative cash flow.

#### ***Indigenous Title and Rights Claims***

Indigenous title and rights may be claimed with respect to Crown properties or other types of tenure with respect to which mining rights have been conferred. The lands that surround NICO are owned by the Tlicho Government pursuant to the terms of an agreement negotiated between the federal government, the GNWT and the Tlicho Government ("Tlicho Agreement") and the Company is not aware of any indigenous land claims having been formally asserted or any legal actions relating to indigenous issues having been instituted with respect to the NICO mine other than certain treaty rights established by the Tlicho Agreement. The Company is aware of certain First Nations that claim certain title and rights with respect to Crown properties related to the Company's projects that may or may not be formally asserted with the Crown in order to seek comprehensive land claim settlements.

While the Company has a right of access to the NICO mine site under the Tlicho Agreement with the Crown and Tlicho Agreement, an access agreement was signed during the year between the Tlicho Government and the Company for the use of the access roads to be built through Tlicho territory to the site. During 2019, various discussions with the GNWT took place in relation to completion of the SEA and funding for the Tlicho Road as well as determining the construction schedule for the project. The Company is aware of the mutual benefits afforded by co-operative relationships with indigenous communities in conducting exploration and development activity and is supportive of measures established to achieve such cooperation including preferential hiring practices, local business development activities, involvement in environmental stewardship and other forms of accommodation. The Company has previously entered into a Co-operative Relationship Agreement and

Environmental Assessment Funding Agreement with the Tlicho Government. The Company is committed to open and constructive dialogue with indigenous communities and stakeholders and will continue to make every effort to increase indigenous employment and business through its human resources and supply chain policies. However, certain challenges with respect to timely decision making may be encountered when working with First Nation governments as a result of the limited number of key individuals in leadership positions, turnover of leadership personnel and delays while elections are held. It will also be necessary for the Company to negotiate and enter into appropriate participation agreements with relevant First Nations in order to bring its projects into production and there is no assurance that the Company will be able to negotiate such agreements on favourable terms or at all. In addition, other parties may dispute the Company's title to the properties and the properties may be subject to prior unregistered agreements or transfers or land claims by indigenous peoples, and title may be affected by undetected encumbrances or defects or government actions.

#### ***Fluctuating Prices***

Factors beyond the control of the Company may affect the marketability of cobalt, bismuth, gold, copper or any other minerals discovered. The range in market prices, over the last five years are as follows: annual average gold prices have ranged from a low of US\$1,160/oz (2015) to a high of US\$1,392/oz (2019); annual average cobalt prices have ranged from a low of US\$12.00/lb (2016) to a high of US\$37.01/lb (2018); annual average copper prices have ranged from a low of US\$2.21/lb (2016) to a high of US\$2.95/lb (2018); annual average bismuth prices have ranged from a low of US\$2.80/lb (2019) to a high of US\$6.43/lb (2015). The commodity prices have fluctuated widely and are affected by numerous factors beyond the Company's control such as economic downturns, commodity supply shortages, weather events, political instability, and changes in exchange and interest rates. The effect of these factors cannot accurately be predicted. Further, there is opportunity for the product mix of cobalt and bismuth from the NICO project to be adjusted to produce products with varying prices depending on the market.

#### ***Dependence on Key Personnel and Limited Management Team***

Fortune is dependent on the services of its senior executives including the President and Chief Executive Officer, Chief Financial Officer, Chief Operating Officer and other skilled and experienced consultants and employees. The loss of such individuals could have a material adverse effect on Fortune's operations. Fortune will need to supplement its existing management team in order to bring any of its projects into production.

#### ***Nature of Mineral Exploration and Mining***

At the present time, the Company does not hold any interest in a mining property in commercial production. The Company's viability and potential success is based on its ability to develop, exploit and generate revenue from mineral deposits. The exploration and development of mineral deposits involves significant financial risk over a significant period of time, which even a combination of careful evaluation, experience and knowledge may not eliminate. In order to continue developing the projects towards operation and commercial production, the Company will be required to make substantial additional capital investments. It is impossible to ensure that the past or proposed exploration and development programs on the properties in which the Company has an interest will result in a profitable commercial mining operation.

The operations of the Company are subject to all of the hazards and risks normally inherent to mining, exploration and development of mineral properties, any of which could result in damage to life and property, the environment and possible legal liability. The activities of the Company may be subject to prolonged disruptions due to weather conditions as a result of the Company's properties in northern Canada. At the proposed NICO mine, the Company is subject to increased risks relating to the dependence on ice roads to supply and equip its work programs. While the Company has obtained insurance against certain risks in such amounts as it considers adequate, the nature of these risks are such that liabilities could exceed policy limits or could be excluded from coverage. There are also risks against which the Company cannot insure or against which it may elect not to insure. For example, the Company has not obtained environmental insurance at its project sites to date and has limited its insured values of its assets to stated amounts approximating the estimated cash invested in its capital assets to date. The potential costs which could be associated with any liabilities not covered by insurance or in excess of insurance coverage or associated with compliance with

applicable laws and regulations may cause substantial delays and require significant capital outlays, adversely affecting the future earnings and competitive position of the Company.

Whether a mineral deposit will be commercially viable depends on a number of factors, some of which are the particular attributes of the deposit, such as size and grade, proximity to infrastructure, financing costs and governmental regulations, including regulations relating to prices, taxes, royalties, infrastructure, land use, importing and exporting and environmental protection. The Company has undertaken activities to reduce certain risks related to its major projects through: completion of extensive exploration and drilling programs; completion of numerous environmental baseline studies; pilot plant test work and process optimization and verification; and, investing in significant engineering studies for the mine planning, mine site buildings and equipment, infrastructure and processing facility.

### ***Competition***

The mining and mineral exploration business is competitive in all of its phases. The Company competes with numerous other companies and individuals, including other resource companies with greater financial, technical and other resources than the Company, in the search for and acquisition of attractive mineral properties, acquisition of mining equipment and related supplies, and the attraction and retention of qualified personnel. The Company will be constrained in its ability to manage the cost of salaries at NICO and the Refinery during construction and operations as Fortune may be competing for labour with the much larger diamond mining companies operating in the Northwest Territories, oil sands projects in Alberta and potash companies operating in Saskatchewan. There is no assurance that the Company will continue to be able to compete successfully in the acquisition of building materials, sourcing equipment or hiring people.

### ***Environmental and Climate Change Regulation***

The operations of the Company are subject to environmental regulations promulgated by government agencies from time to time. Environmental legislation provides for restrictions and prohibitions on spills, releases or emissions of various substances produced in association with certain mining industry operations, such as seepage from tailings disposal areas, which would result in environmental contamination. A breach of such legislation may result in the imposition of fines and penalties. In addition, certain types of operations require the submission and approval of environmental impact assessments. Environmental legislation is evolving in a manner which means standards, enforcement, fines and penalties for non-compliance are more stringent. Environmental assessments of proposed projects carry a heightened degree of responsibility for companies and their directors, officers and employees. The Company has carried out and completed significant environmental baseline studies and environmental monitoring to position the Company to successfully complete required environmental assessments; however, despite this, the Company has not been able to obtain certain environmental certificates in a timely manner due to the complexities of the regulatory requirements and process. The cost of compliance with changes in governmental regulations has the potential to reduce the profitability of future operations. The impacts of international or domestic climate agreements, carbon taxes and other potential climate change legislation are difficult to predict and are not yet fully understood, including impacts on capital and operating costs.

### ***Estimates of Mineral Reserves and Resources May Not be Realized***

The mineral reserve and resource estimates published from time to time by the Company with respect to its properties are estimates only and no assurance can be given that any particular level of recovery of minerals will in fact be realized or that an identified resource will ever qualify as a commercially mineable (or viable) deposit which can be legally and economically exploited. Material changes in resources, grades, stripping ratios or recovery rates may affect the economic viability of projects. However, through extensive investment in exploration drilling, test mining, bulk sampling, engineering planning and pilot plant testing, the Company has substantially mitigated and reduced these risks. There is a risk that minerals recovered in small-scale laboratory and large scale pilot plant tests will be materially different under on-site conditions or in production scale operations. Short-term factors, such as the need for orderly development of deposits or the processing of new or different grades, may have an adverse effect on mining operations or the results of operations.

The Company has engaged expert independent technical consultants to advise it with respect to mineral reserves and resources and project engineering, among other things. The Company believes that those experts are competent and that they have carried out their work in accordance with all internationally recognized industry standards. However, if the work conducted by those experts is ultimately found to be incorrect or inadequate in any material respect, the Company may experience delays and increased costs in developing its properties.

#### ***Health and Safety Matters***

The Company's exploration projects are affected by various laws and regulations, including those which cover health and safety matters. Existing legislation and regulations are subject to change, the impacts of which are difficult to measure. It is the policy of the Company to maintain safe working conditions at all its work sites, comply with health and safety legislation, maintain equipment and premises in safe condition and ensure that all employees are trained and comply with safety procedures. The Company has successfully implemented policies and procedures relating to health and safety matters at its project sites and has a good safety record to date.

The COVID-19 global pandemic has disrupted economic activities and supply chains. Although the disruption from the virus is expected to be temporary, given the dynamic nature of these circumstances, the duration of business disruption and the related financial impact cannot be reasonably estimated at this time. The Company's ability to continue to service debt and meet obligations as they come due is dependent on the continued ability to obtain financing and maintain cash flows.

#### **Mineral Projects**

The following table provides information on the Company's current mineral properties:

<b>Property and Location</b>	<b>Commodity Sought <sup>(1)</sup></b>	<b>Hectares</b>	<b>Fortune Interest</b>
NICO (NWT)	Co, Au, Bi, Cu	5,140	100%
Sue-Dianne (NWT)	Cu, Ag, Au	451	100%
Salkeld Lake (NWT)	Cu, Zn, Pb, Au, Ag	116	100%

<sup>(1)</sup> Co = cobalt, Au = gold, Bi = bismuth, Cu = copper, Ag = silver, Zn = zinc, Pb = lead,

#### ***NICO Gold-Cobalt-Bismuth-Copper Deposit***

Set forth below is the summary section of the 2014 NICO Report prepared by Micon International Limited in compliance with NI 43-101, with Harry Burgess, P.Eng., Richard M. Gowans, P.Eng., B. Terrence Hennessey, P.Geo., Christopher R. Lattanzi, P.Eng., and Eugene Puritch, P.Eng. as the Qualified Persons responsible for the updated mineral reserves and economics. The 2014 NICO Report was filed on SEDAR on May 7, 2014 and is available at [www.sedar.com](http://www.sedar.com). The 2014 NICO Report supersedes reports previously filed. The following information is of a summary nature only and reference is made to the detailed disclosure contained in the 2014 NICO Report, which is incorporated herein by reference.

The 2014 NICO Report, and the below summary, references the proposed hydrometallurgical facility which was to be built by Fortune at a site approximately 26 kilometres north of Saskatoon, Saskatchewan ("SMPP"). However, as disclosed above, the municipal zoning change required to construct and operate this hydrothermal refinery was denied by the Rural Municipality of Corman Park and Fortune has since sold the property. Fortune is pursuing other potential sites for the processing facility and continues to work with Hatch, P&E and Micon to update the technical report on the 2014 Feasibility Study for the NICO Project.

**SUMMARY OF 2014 TECHNICAL REPORT ON THE FEASIBILITY STUDY FOR THE NICO GOLD-COBALT-BISMUTH-COPPER PROJECT, NORTHWEST TERRITORIES, CANADA**

## 1.1 INTRODUCTION

The Company is a public company, listed on the Toronto Stock Exchange, with one primary asset: the NICO gold-cobalt-bismuth-copper Project in the Northwest Territories (NWT). The NICO Project is 100% owned by Fortune.

Micon International Limited (Micon) has been retained by Fortune to compile an independent Feasibility Study on the NICO Project in support of financing. This Technical Report summarizes the results of that study.

The NICO Project is based on mining the NICO deposit in the NWT by a combination of open pit and underground methods, and producing a bulk gold-cobalt-bismuth-copper concentrate in a processing plant located at the Project site. The bulk concentrate will be bagged at the Project site, transported by road to the rail head at Hay River, NWT, and then hauled by rail to a dedicated siding at the Saskatchewan Metals Processing Plant (SMPP), a new hydrometallurgical facility to be built by Fortune at a permitted site approximately 26 kilometres north of Saskatoon, Saskatchewan. The SMPP, the site for which is crossed by a rail line and has a readily available source of grid power, has been designed to produce the following saleable mineral products from the bulk concentrate:

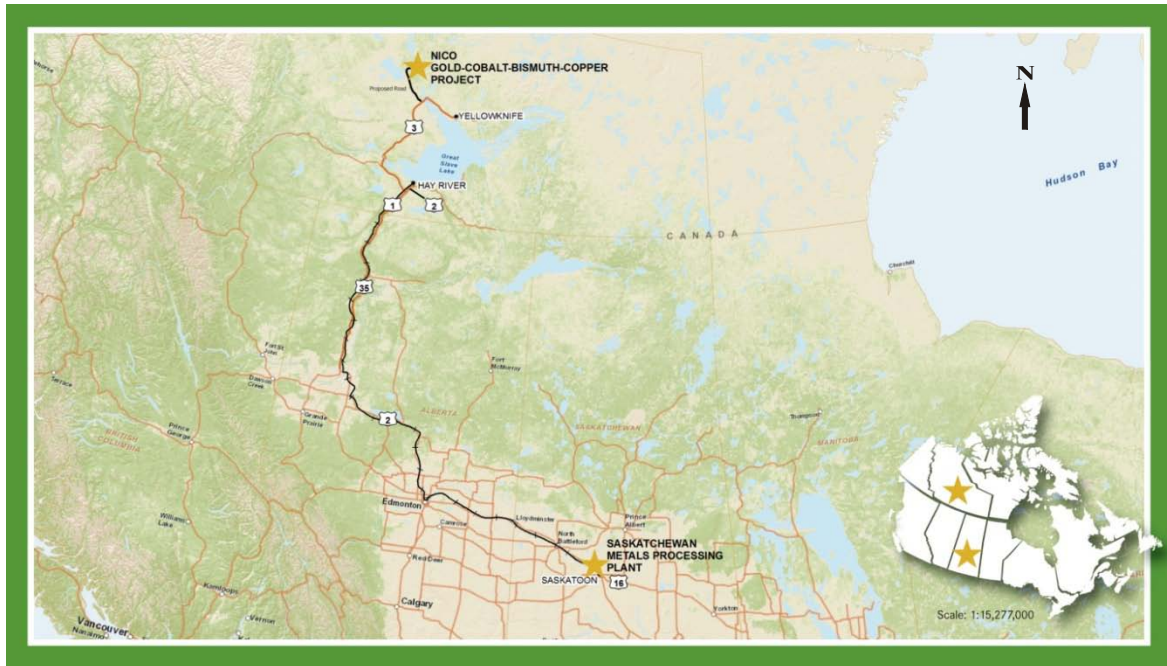
- Gold as doré bars.
- Cobalt, principally as cobalt sulphate heptahydrate, but with the option of producing cobalt carbonate, cobalt oxide, cobalt nitrate and cobalt chloride. The financial model for the Project is based on the production of cobalt sulphate heptahydrate only.
- Bismuth as bismuth ingot, bismuth needles and bismuth oxide. The financial model is based on producing 20% of the bismuth as ingot, 20% as needles and 60% as oxide.
- Copper as copper cement, which will be sold to a copper smelter for conversion to copper metal.

Fortune will be responsible for marketing all of the products.

## 1.2 PROJECT OVERVIEW

The location of the NICO Project is shown in Figure 0.1.

Figure 0.1  
NICO Project – General Location Map



[www.fortuneminerals.com](http://www.fortuneminerals.com)

The principal Project facilities to be constructed on lands controlled by Fortune in the NWT are:

- An open pit mine with a design rate of production of 4,650 tonnes of ore per day, or approximately 1.7 million tonnes per year, which is planned to operate from June, 2017 until 2037.
- A small underground mine, which is planned to extract 1,544 tonnes of high-grade ore per day, from April, 2018 to June, 2019.
- A processing plant with a design throughput capacity of 1.7 million tonnes of ore per year, which is planned to operate from October, 2017 to 2037, and which will utilize conventional crushing, grinding and flotation processes to produce approximately 54,500 tonnes per year of a bulk sulphide concentrate, containing gold, cobalt, bismuth and copper, together with a high content of arsenic.
- A co-disposal facility for the permanent storage of both mine waste rock and process tailings.
- All of the infrastructure and service facilities required to support the productive operations.

Electric power is to be supplied by a power line, approximately 30.5 kilometres long, from the Snare Hydroelectric Complex to the Project site.

The facilities to be constructed at the SMPP comprise a complete hydrometallurgical plant which will produce saleable gold, cobalt, bismuth and copper products from the bulk concentrate produced in the NWT. Solid residues from the SMPP, which will include iron-arsenic precipitates from the cobalt circuit, iron and gypsum residues from the copper leach circuit, and solid residues from the recovery of cobalt and gold, will be disposed of in an engineered permanent residue storage facility located on the SMPP site. Liquid residue,

consisting of a saline liquid waste stream and effluent from the cyanide destruction circuit, will be disposed of by deep-well injection, at a depth of approximately 800 metres below surface.

Over its operating life of approximately 20 years, the NICO Project is scheduled to mine and process 33.1 million tonnes of ore, and to produce the following quantities of saleable metals:

- |           |   |                      |
|-----------|---|----------------------|
| • Gold    | : | 814,000 troy ounces. |
| • Cobalt  | : | 70 million pounds.   |
| • Bismuth | : | 74 million pounds.   |
| • Copper  | : | 11.2 million pounds. |

### **1.3 PROJECT DEVELOPMENT**

Access to the Project site is to be provided by an all-weather road, to be constructed by the NWT and Tłı̨ch (First Nation) governments, linking the existing highway from Edmonton to Yellowknife and Behchokö to the Tłı̨ch community of Whatı̨, further to the north. This road is scheduled for completion early in 2016. Fortune will be responsible for constructing a spur road, approximately 33 kilometres long, from the end of the all-weather road to the Project site. Fortune is negotiating details of the funding and construction schedule for the all-weather road with the NWT and Tłı̨ch governments.

The schedule of Project construction, summarized below, is contingent upon timely approval of all required permits, timely arranging of Project funding and completion of the all-weather road on schedule.

It is planned to commence construction at the Project site with a program of early works in summer, 2014 and 2015. All of the material and equipment required for this program are to be brought to the Project site over the winter road, which typically remains serviceable until April. The material and equipment required for the modest program planned for 2014 are already at the site.

Full-scale construction programs are then planned for 2016 and 2017, with equipment and materials brought in over the all-weather road. The scheduled date for the commencement of productive processing operations is October, 2017.

The construction schedule for the SMPP has been dovetailed with the schedule for the Project site, in order to achieve start-up of the SMPP in October, 2017.

### **1.4 SUMMARY OF FINANCIAL EVALUATION**

Fortune has evaluated the overall economics of the NICO Project by conventional discounted cash flow techniques, under the presumption that the initial capital expenditure will be financed 30% by equity and 70% by debt. All revenues and costs are expressed in Canadian dollars, typically of fourth quarter 2013 value. Metal prices denominated in US dollars have been converted to Canadian currency at an exchange rate of C\$1.00 = US\$0.88. This exchange rate has been assumed to remain constant throughout the life of the Project. Micon has confirmed the mathematical integrity of the Fortune financial model, by independently reproducing the results.

A summary of the results of the base case financial analysis is presented in Table 0.1. All production, revenue and cost data are life-of-mine estimates.



**Table 0.1**  
**Summary of Base Case Financial Analysis**

Item	Units	Value
Mine Life	y	20
Open Pit Ore Mined	thousand t	32,500
Underground Ore Mined	thousand t	577
Concentrate Produced	thousand t	1,062
Gold Produced	thousand oz	814.4
Cobalt Produced (in sulphate)	thousand lb	69,526
Bismuth Produced	thousand lb	73,656
Copper Produced	thousand lb	11,195
Gross Revenue	C\$ million	3,842
Transport, Refining, Marketing	C\$ million	246
<b>Net Smelter Return</b>	<b>C\$ million</b>	<b>3,596</b>
Mine and Mill Operating Costs	C\$ million	746
Other Site Operating Costs	C\$ million	359
SMPP Operating Costs	C\$ million	599
<b>Operating Profit</b>	<b>C\$ million</b>	<b>1,892</b>
Corporate Administration, Interest, Fees	C\$ million	212
Royalties, Income Taxes	C\$ million	141
<b>Cash Flow Before Capital Costs</b>	<b>C\$ million</b>	<b>1,540</b>
Initial Capital Costs – Project Site	C\$ million	347
Initial Capital Costs – SMPP	C\$ million	242
Sustaining Capital Costs, Working Capital	C\$ million	60
Reclamation Security Funding	C\$ million	53
<b>Net Cash Flow</b>	<b>C\$ million</b>	<b>837</b>
Pre-Tax Present Value (7%/y discount)	C\$ million	254
Post-Tax Present Value (7%/y discount)	C\$ million	224
Pre-Tax Internal Rate of Return	%/y	15.6
Post-Tax Internal Rate of Return	%/y	15.1

Under the base case input estimates, the NICO Project is expected to yield an after-tax undiscounted life-of-mine cash flow of C\$837 million, a net present value of C\$224 million at a discount rate of 7% per year and a post-tax internal rate of return of 15.1% per year. The pre-tax economic indices are a net present value C\$254 million at a discount rate of 7% per year and an internal rate of return of 15.6% per year.

## **1.5 TECHNICAL DATA**

### **1.5.1 Geological Setting**

The NICO deposit occurs in the southern part of the Proterozoic Bear Structural Province within the Great Bear magmatic zone (GBMZ), a Paleoproterozoic belt of calc-alkaline volcanic and plutonic rocks approximately 800 km long and 100 km wide. Felsic to intermediate rocks of the Faber Group predominate in the southern part of the GBMZ, and consist of rhyodacite ignimbrites and associated flows, tuffs, breccias and volcanoclastics. These rocks are bordered by granodiorite to monzogranite plutons and intruded by coeval granite and feldspar porphyritic plugs.

The NICO deposit is hosted in iron- and potassium-altered, brecciated basement sedimentary rocks of the Treasure Island Group, at and beneath the unconformity with the volcanic Faber Group rocks. The cobalt-gold-bismuth-copper mineralization of the deposit is located within locally altered biotite-amphibole magnetite schist of the Treasure Island Group.

Sulphide mineralization is disseminated and makes up between 3% and 10% of the mineralized rocks. The sulphide minerals are predominantly aligned along the foliation planes. Only small native gold grains have been observed. These are mainly associated with sulphides, but also occur with silicate minerals such as feldspar. The sulphides consist primarily of cobaltite/cobaltian arsenopyrite, bismuthinite and chalcopyrite.

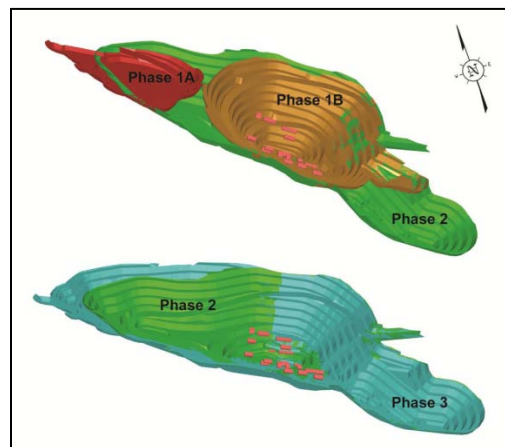
Gold mineralization forms a central ‘bulls-eye’ to the deposit, within the cobalt-bismuth core of the magnetite mineralization, and is confined largely to the middle and lower zones.

### 1.5.2 Mineral Resource Estimate

The mineral resource estimate for the NICO deposit was prepared by P&E and is presented in Table 1.2. Open pit mineral resources are reported against a C\$46 per tonne net smelter return (“NSR”) cut-off, as constrained within an optimized pit shell. Underground mineral resources are reported against a C\$80 per tonne NSR cut-off. The effective date of this estimate is November 30, 2011. The mineral resources were estimated using the Canadian Institute of Mining, Metallurgy and Petroleum (“CIM”) standards on Mineral Resources and Reserves. No additional drilling has been completed since the effective date of this resource estimate.

**Table 0.2**  
**NICO Estimated Mineral Resources**

Area	NSR Cut-off (C\$/t)	Class	Tonnes x 1,000	Au (g/t)	Bi (%)	Co (%)
Open Pit	46	Measured	18,911	1.05	0.15	0.12
		Indicated	10,983	1.19	0.14	0.12
		<b>M+I total</b>	<b>29,894</b>	<b>1.10</b>	<b>0.15</b>	<b>0.12</b>
		Inferred	2	0.30	0.07	0.08
Underground	80	Measured	231	2.29	0.06	0.15
		Indicated	764	1.72	0.07	0.16
		<b>M+I total</b>	<b>995</b>	<b>1.85</b>	<b>0.07</b>	<b>0.16</b>
		Inferred	31	0.65	0.11	0.25



The underground open stopes will not be backfilled during mining. About mid-way through the life of the Project, the open pit will begin to intersect the underground workings. As they are intersected, the open stopes will be filled with broken ore from the open pit, either through drop raises or directly as they are exposed. The open pit will then progress through the underground workings, recovering the support pillars previously left in place.

The design mine production schedule for both open pit and underground mining of the reserves is provided in Table 1.3.

### **1.5.3 Mineral Reserves**

The mineral reserves for the NICO Project, which were originally estimated by P&E and subsequently updated by Fortune, are summarized in Table 1.4. These reserves were estimated using the CIM standards on Mineral Resources and Reserves, and include allowances for mining losses and dilution.

Table 0.3  
NICO Project – Mine Production Schedule

	Total	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
<b>MINE PRODUCTION SCHEDULE</b>																									
<b>Open Pit</b>																									
Ore Mined (thousand tonnes)	32,500			17	460	1,443	1,488	1,487	1,661	1,749	1,696	1,695	1,700	1,708	1,691	1,698	1,707	1,713	1,692	1,640	1,659	1,798	1,658	1,703	438
Low-Grade Waste Mined (thousand tonnes)	5,484			2	127	285	415	359	222	222	143	243	328	264	276	320	312	345	299	271	205	157	476	208	5
Waste Mined (thousand tonnes)	92,325			4,915	10,883	5,091	4,047	6,777	3,281	3,858	7,320	7,132	5,964	4,280	3,503	3,445	3,534	2,494	2,555	3,042	2,448	1,421	3,814	2,123	398
Total Waste Mined (thousand tonnes)	97,810			4,917	11,009	5,377	4,462	7,136	3,504	4,081	7,463	7,375	6,292	4,543	3,779	3,765	3,846	2,839	2,853	3,313	2,653	1,578	4,291	2,331	403
Total Mined (thousand tonnes)	130,310			4,934	11,470	6,820	5,950	8,623	5,165	5,829	9,159	9,070	7,992	6,251	5,470	5,463	5,553	4,552	4,545	4,953	4,312	3,376	5,948	4,034	841
Gold Grade (grams/tonne)	0.96			0.24	0.19	0.24	0.21	0.42	0.30	0.52	1.22	1.25	1.76	1.59	0.53	0.55	0.51	0.53	0.68	0.88	1.35	2.67	0.75	1.94	2.01
Cobalt Grade (%)	0.11			0.14	0.13	0.12	0.11	0.12	0.13	0.13	0.11	0.11	0.09	0.12	0.13	0.12	0.12	0.12	0.11	0.11	0.09	0.10	0.09	0.11	0.16
Bismuth Grade (%)	0.14			0.07	0.11	0.14	0.13	0.11	0.14	0.17	0.19	0.17	0.16	0.12	0.15	0.17	0.18	0.17	0.15	0.14	0.12	0.08	0.13	0.06	0.02
Copper Grade (%)	0.04			0.03	0.04	0.01	0.01	0.03	0.04	0.05	0.04	0.03	0.02	0.02	0.02	0.03	0.05	0.06	0.08	0.07	0.04	0.01	0.05	0.03	0.01
Contained Gold (thousand ounces)	1,008.2			0.1	2.9	11.0	9.8	20.3	16.3	29.4	66.7	67.9	96.4	87.1	28.9	30.2	28.0	29.0	37.3	46.5	72.1	154.1	39.9	106.1	28.3
Contained Cobalt (thousand pounds)	81,026			53	1,292	3,813	3,761	3,872	4,749	4,910	4,269	4,145	3,318	4,593	4,701	4,610	4,416	4,384	4,172	3,877	3,310	3,953	3,231	4,064	1,532
Contained Bismuth (thousand pounds)	99,923			27	1,142	4,461	4,255	3,699	5,169	6,613	7,215	6,473	5,876	4,656	5,538	6,539	6,785	6,376	5,481	5,033	4,457	3,192	4,638	2,106	194
Contained Copper (thousand pounds)	26,946			12	423	370	410	1,092	1,452	1,968	1,617	1,210	889	731	771	1,087	1,798	2,394	2,825	2,530	1,580	484	1,999	1,182	124
<b>Underground</b>																									
Ore Mined (thousand tonnes)	577					273	304																		
Gold Grade (grams/tonne)	4.96					4.10	5.74																		
Cobalt Grade (%)	0.10					0.14	0.07																		
Bismuth Grade (%)	0.17					0.28	0.07																		
Copper Grade (%)	0.02					0.03	0.01																		
Contained Gold (thousand ounces)	92.1					36.0	56.1																		
Contained Cobalt (thousand pounds)	1,307					842	465																		
Contained Bismuth (thousand pounds)	2,159					1,711	448																		
Contained Copper (thousand pounds)	250					169	81																		
<b>Total Mine Production</b>																									
Ore Mined (thousand tonnes)	33,077			17	460	1,717	1,792	1,487	1,661	1,749	1,696	1,695	1,700	1,708	1,691	1,698	1,707	1,713	1,692	1,640	1,659	1,798	1,658	1,703	438
Waste Mined (thousand tonnes)	97,810			4,917	11,009	5,377	4,462	7,136	3,504	4,081	7,463	7,375	6,292	4,543	3,779	3,765	3,846	2,839	2,853	3,313	2,653	1,578	4,291	2,331	403
Total Mined (thousand tonnes)	130,887			4,934	11,470	7,093	6,254	8,623	5,165	5,829	9,159	9,070	7,992	6,251	5,470	5,463	5,553	4,552	4,545	4,953	4,312	3,376	5,948	4,034	841
Gold Grade (grams/tonne)	1.03			0.24	0.19	0.85	1.14	0.42	0.30	0.52	1.22	1.25	1.76	1.59	0.53	0.55	0.51	0.53	0.68	0.88	1.35	2.67	0.75	1.94	2.01
Cobalt Grade (%)	0.11			0.14	0.13	0.12	0.11	0.12	0.13	0.13	0.11	0.11	0.09	0.12	0.13	0.12	0.12	0.12	0.11	0.11	0.09	0.10	0.09	0.11	0.16
Bismuth Grade (%)	0.14			0.07	0.11	0.16	0.12	0.11	0.14	0.17	0.19	0.17	0.16	0.12	0.15	0.17	0.18	0.17	0.15	0.14	0.12	0.08	0.13	0.06	0.02
Copper Grade (%)	0.04			0.03	0.04	0.01	0.01	0.03	0.04	0.05	0.04	0.03	0.02	0.02	0.02	0.03	0.05	0.06	0.08	0.07	0.04	0.01	0.05	0.03	0.01
Contained Gold (thousand ounces)	1,100.3			0.1	2.9	47.0	65.9	20.3	16.3	29.4	66.7	67.9	96.4	87.1	28.9	30.2	28.0	29.0	37.3	46.5	72.1	154.1	39.9	106.1	28.3
Contained Cobalt (thousand pounds)	82,333			53	1,292	4,655	4,226	3,872	4,749	4,910	4,269	4,145	3,318	4,593	4,701	4,610	4,416	4,384	4,172	3,877	3,310	3,953	3,231	4,064	1,532
Contained Bismuth (thousand pounds)	102,082			27	1,142	6,172	4,703	3,699	5,169	6,613	7,215	6,473	5,876	4,656	5,538	6,539	6,785	6,376	5,481	5,033	4,457	3,192	4,638	2,106	194
Contained Copper (thousand pounds)	27,196			12	423	539	490	1,092	1,452	1,968	1,617	1,210	889	731	771	1,087	1,798	2,394	2,825	2,530	1,580	484	1,999	1,182	124

Table 0.4  
NICO Project – Mineral Reserves

Type	Classification	Tonnes (thousand)	Average Grade			
			Gold (g/t)	Cobalt (%)	Bismuth (%)	Copper (%)
Open Pit	Proven	20,453	0.92	0.11	0.15	0.04
	Probable	12,047	1.03	0.11	0.13	0.04
	<b>Total</b>	<b>32,500</b>	<b>0.96</b>	<b>0.11</b>	<b>0.14</b>	<b>0.04</b>
Underground	Proven	282	4.93	0.14	0.27	0.03
	Probable	295	5.00	0.07	0.07	0.01
	<b>Total</b>	<b>577</b>	<b>4.96</b>	<b>0.10</b>	<b>0.17</b>	<b>0.02</b>
Total	Proven	20,735	0.97	0.11	0.15	0.04
	Probable	12,342	1.13	0.11	0.13	0.04
	<b>Total</b>	<b>33,077</b>	<b>1.03</b>	<b>0.11</b>	<b>0.14</b>	<b>0.04</b>

#### 1.5.4 Metallurgical Testwork

Fortune completed extensive bench scale and pilot plant testwork studies between 1997 and 2012 using samples representative of the mineralization of the NICO deposit. The majority of this flowsheet development work was undertaken at the SGS Mineral Services laboratory, Lakefield, Ontario, Canada.

The purpose of the metallurgical test programs was to develop a process flowsheet and generate process design criteria for the recovery of bismuth, cobalt, copper and gold from the NICO deposit. Initial work in 1997 and 1998 considered the recovery of separate bismuth and cobalt concentrates, as well as a bulk product containing bismuth, cobalt, gold and copper. This process flowsheet was developed and optimized over the following years, with bench scale testwork programs in 2000, 2001, 2004/2005 and 2009, mini-pilot scale hydrometallurgical testwork in 2006, and significant pilot plant mill and flotation test runs in 2007/2008 and 2010.

The metallurgical testwork completed to date included not only flotation parameter optimization and modelling, but also grinding, gravity recovery of gold, concentrate dewatering and hydrometallurgical recovery of cobalt, bismuth, gold and copper, and the validation of a process to produce cobalt and bismuth products.

The hydrometallurgical testwork undertaken to date comprises bismuth flotation optimization tests, cobalt hydrometallurgical circuit development testing, iron and arsenic removal tests, copper recovery tests, cobalt purification and recovery testwork, bismuth recovery testwork, gold recovery tests and cyanide destruction tests.

The results of this comprehensive testwork formed the basis for the Front-End Engineering Design (“FEED”) studies prepared by Aker Solutions (now Jacobs Minerals Canada Inc.) in September, 2012. The FEED studies developed the flowsheets for both the processing plant at the Project site and the SMPP. The FEED studies also included, among other things, equipment lists, general arrangement drawings and cost estimates for these facilities.

#### 1.5.5 Process Plant at the Project Site

The process design for the Project site was developed for a mineral processing plant with a throughput of approximately 1.7 million tonnes of ore per year. With an operating availability design criterion of 90%, the plant has been designed for processing 215 tonnes of ore per hour. The basic flowsheet, a simplified diagram of

which is shown in Figure 0.2, consists of conventional crushing, grinding and flotation, to produce a bulk sulphide concentrate which will be thickened, filtered and bagged, prior to shipment to the SMPP hydrometallurgical processing facility. A gravity circuit is also included in the flowsheet to recover coarse gold, ahead of the flotation circuit.

Crushing will be undertaken in three stages, with the third stage in closed circuit with screens. The crushed ore will be ground in a ball mill and Vertimills, which will operate in closed circuit with cyclones to produce a flotation feed of 80% finer than 53 microns. A bleed from the cyclone overflow will feed the gravity gold circuit. The concentrate from the gravity circuit will go directly to the final concentrate thickener, while the gravity tailing will be returned to the grinding circuit.

Underflow from the grinding circuit cyclones will feed the rougher flotation circuit, the tailing from which will flow by gravity to the tailings thickener and, ultimately, to the co-disposal facility. Concentrate from the rougher flotation circuit will feed a cleaner and cleaner-scavenger circuit, the tailings from which will be reground to a fineness of 80% passing 20 microns, and then subjected to secondary flotation.

The bulk cleaner concentrate, the secondary cleaner concentrate and the gravity concentrate form the feed to the concentrate thickener, the underflow from which will be directed to a recessed plate type pressure filter, to reduce the moisture content of the concentrate to approximately 8%. The filtered concentrate will then be bagged for shipment.

The design production schedule for the processing plant at the Project site is shown in Table 1.5.

#### **1.5.6 Co-disposal Facility**

The Project will generate a total of approximately 32 Mt of tailings and 97.8 Mt of mine waste rock, including 5.5 Mt of low-grade material which, potentially, could be processed. Both of these waste streams will be disposed of together in a facility referred to as co-disposal facility (CDF).

**Figure 0.2**  
**NICO Process Flowsheet**

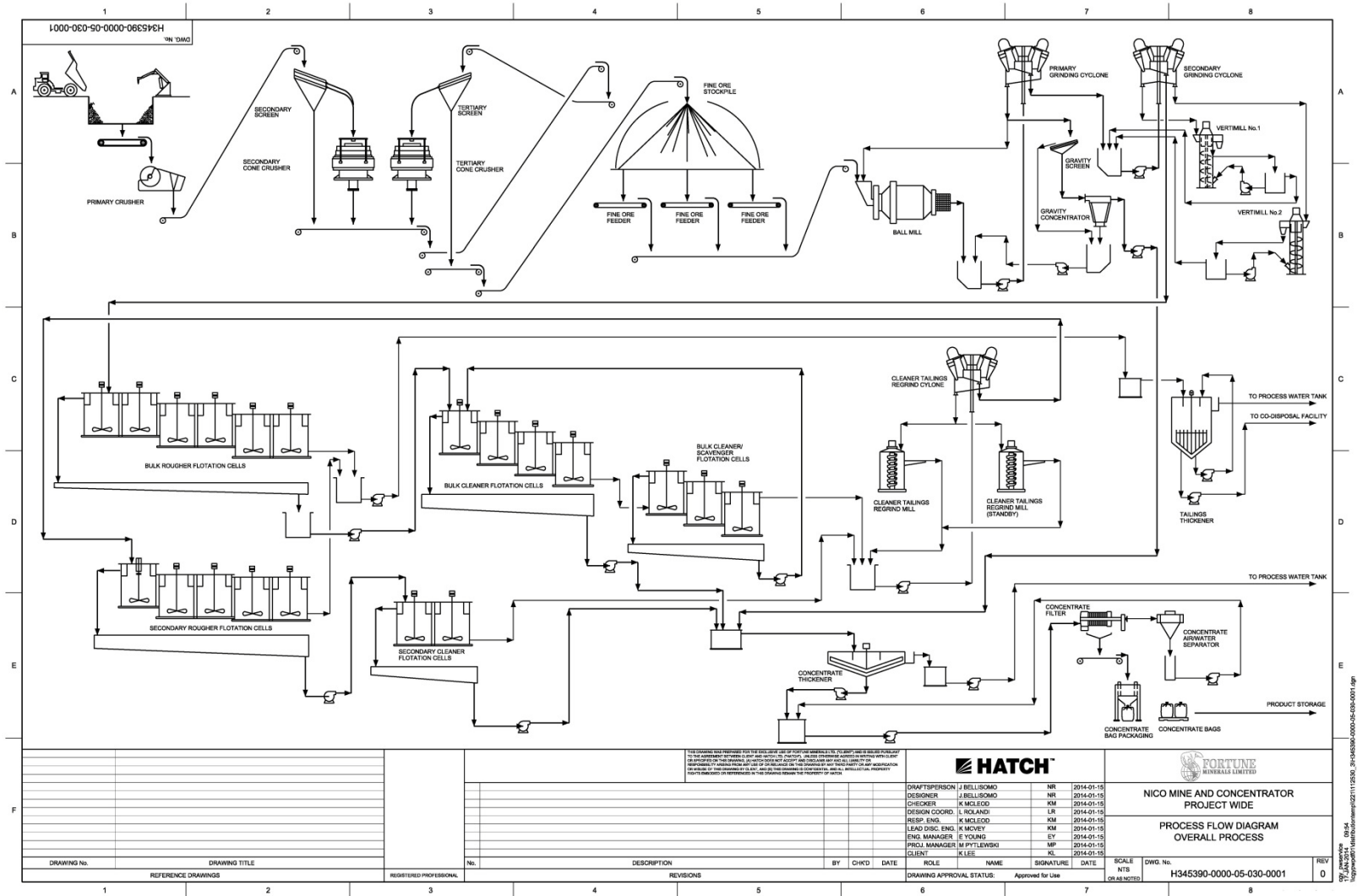


Table 0.5  
NICO Project – Process Plant Production Schedule

	Total	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
MINE PRODUCTION																									
Total Ore Mined (thousand tonnes)	33,077			17	460	1,717	1,792	1,487	1,661	1,749	1,696	1,695	1,700	1,708	1,691	1,698	1,707	1,713	1,692	1,640	1,659	1,798	1,658	1,703	438
Contained Gold (thousand ounces)	1,100.3			0.1	2.9	47.0	65.9	20.3	16.3	29.4	66.7	67.9	96.4	87.1	28.9	30.2	28.0	29.0	37.3	46.5	72.1	154.1	39.9	106.1	28.3
Contained Cobalt (thousand pounds)	82,333			53	1,292	4,655	4,226	3,872	4,749	4,910	4,269	4,145	3,318	4,593	4,701	4,610	4,416	4,384	4,172	3,877	3,310	3,953	3,231	4,064	1,532
Contained Bismuth (thousand pounds)	102,082			27	1,142	6,172	4,703	3,699	5,169	6,613	7,215	6,473	5,876	4,656	5,538	6,539	6,785	6,376	5,481	5,033	4,457	3,192	4,638	2,106	194
Contained Copper (thousand pounds)	27,196			12	423	539	490	1,092	1,452	1,968	1,617	1,210	889	731	771	1,087	1,798	2,394	2,825	2,530	1,580	484	1,999	1,182	124
STOCKPILE MOVEMENTS																									
Opening Balance																									
Tonnes (thousand)					17	154	197	290	78	41	91	88	85	87	96	89	89	97	112	105	47	8	107	66	71
Gold Grade (grams/tonne)					0.24	0.20	0.21	0.21	0.21	0.21	0.38	0.38	0.38	0.41	0.53	0.53	0.53	0.52	0.52	0.52	0.52	2.51	4.05	3.91	
Cobalt Grade (%)					0.14	0.13	0.13	0.12	0.12	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.10	0.16	0.16	
Bismuth Grade (%)					0.07	0.11	0.12	0.12	0.12	0.12	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.09	0.14	0.13	
Copper Grade (%)					0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.01	0.02	0.02	
Contained Gold (thousand ounces)					0.1	1.0	1.3	1.9	0.5	0.3	1.1	1.1	1.0	1.1	1.6	1.5	1.5	1.6	1.9	1.8	0.8	0.1	8.6	8.6	8.9
Contained Cobalt (thousand pounds)					53	435	550	783	211	111	252	244	234	238	264	244	243	265	303	285	127	21	239	239	249
Contained Bismuth (thousand pounds)					27	367	501	770	208	109	299	290	278	284	310	287	286	320	375	352	157	25	201	201	207
Contained Copper (thousand pounds)					12	138	149	171	46	24	81	78	75	76	80	74	74	83	104	97	43	7	34	34	37
Annual Addition																									
Tonnes (thousand)	507			17	157	43	100			50			2	10			9	15			99			5	
Gold Grade (grams/tonne)				0.24	0.19	0.24	0.21			0.52			1.76	1.59			0.51	0.53			2.67			1.94	
Cobalt Grade (%)				0.14	0.13	0.12	0.11			0.13			0.09	0.12			0.12	0.12			0.10			0.11	
Bismuth Grade (%)				0.07	0.11	0.14	0.13			0.17			0.16	0.12			0.18	0.17			0.08			0.06	
Copper Grade (%)				0.03	0.04	0.01	0.01			0.05			0.02	0.02			0.05	0.06			0.01			0.03	
Contained Gold (thousand ounces)	12.7			0.1	1.0	0.3	0.7			0.8			0.1	0.5			0.1	0.3			8.5			0	
Contained Cobalt (thousand pounds)	1,322			53	442	115	254			141			3	26			22	38			218			11	
Contained Bismuth (thousand pounds)	1,331			27	391	134	287			190			6	27			34	55			176			6	
Contained Copper (thousand pounds)	317			12	145	11	28			56			1	4			9	21			27			3	
Annual Depletion																									
Tonnes (thousand)	(507)				(21)		(7)	(212)	(37)		(3)	(3)			(7)	(0.4)			(7)	(58)	(39)		(40)		(71)
Gold Grade (grams/tonne)					0.20		0.21	0.21	0.21		0.38	0.38			0.53	0.53			0.52	0.52	0.52		2.51		3.91
Cobalt Grade (%)					0.13		0.13	0.12	0.12		0.13	0.13			0.12	0.12			0.12	0.12	0.12		0.10		0.16
Bismuth Grade (%)					0.11		0.12	0.12	0.12		0.15	0.15			0.15	0.15			0.15	0.15	0.15		0.09		0.13
Copper Grade (%)					0.04		0.03	0.03	0.03		0.04	0.04			0.04	0.04			0.04	0.04	0.04		0.01		0.02
Contained Gold (thousand ounces)	(12.7)			(0.1)		(0.05)	(1.4)	(0.2)		(0.0)	(0.0)		(0.1)	(0.0)			(0.1)	(1.0)	(0.7)		(8.9)				
Contained Cobalt (thousand pounds)	(1,323)			(60)		(20)	(372)	(100)		(8)	(10)		(20)	(1)			(18)	(157)	(107)					(250)	
Contained Bismuth (thousand pounds)	(1,332)			(50)		(19)	(562)	(98)		(9)	(11)		(24)	(1)			(23)	(195)	(132)					(208)	
Contained Copper (thousand pounds)	(317)				(19)		(6)	(125)	(22)		(2)	(3)			(6)	(0)			(6)	(54)	(36)				(37)
Closing Balance																									
Tonnes (thousand)				17	154	197	290	78	41	91	88	85	87	96	89	89	97	112	105	47	8	107	66	71	0
Gold Grade (grams/tonne)				0.24	0.20	0.21	0.21	0.21	0.21	0.38	0.38	0.38	0.41	0.53	0.53	0.53	0.52	0.52	0.52	0.52	2.51	4.05	3.91	0	
Cobalt Grade (%)				0.14	0.13	0.13	0.12	0.12	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.10	0.16	0.16	0	
Bismuth Grade (%)				0.07	0.11	0.12	0.12	0.12	0.12	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.09	0.14	0.13	0	
Copper Grade (%)				0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.01	0.02	0.02	0	
Contained Gold (thousand ounces)				0.1	1.0	1.3	1.9	0.5	0.3	1.1	1.1	1.0	1.1	1.6	1.5	1.5	1.6	1.9	1.8	0.8	0.1	8.6	8.6	8.9	0
Contained Cobalt (thousand pounds)				53	435	550	783	211	111	252	244	234	238	264	244	243	265	303	285	127	21	239	239	249	(1)
Contained Bismuth (thousand pounds)				27	367	501	770	208	109	299	290	278	284	310	287	286	320	375	352	157	25	201	201	207	0
Contained Copper (thousand pounds)				12	138	149	171	46	24	81	78	75	76	80	74	74	83	104	97	43	7	34	34	37	0
MILL PRODUCTION SCHEDULE																									
Ore Milled (thousand tonnes)	33,078				324	1,673	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	509
Gold Grade (grams/tonne)	1.03				0.20	0.87	1.20	0.40	0.30	0.52	1.22	1.24	1.76	1.59	0.53	0.55	0.51	0.53	0.68	0.87	1.33	2.67	0.73	1.94	2.27
Cobalt Grade (%)	0.11				0.13	0.12	0.11	0.12	0.13	0.13	0.11	0.11	0.09	0.12	0.13	0.12	0.12	0.12	0.11	0.11	0.09	0.10	0.09	0.11	0.16
Bismuth Grade (%)	0.14				0.11	0.16	0.12	0.11	0.14	0.17	0.19	0.17	0.16	0.12	0.15	0.17	0.18	0.17	0.15	0.14	0.12	0.08	0.12	0.06	0.04
Copper Grade (%)	0.04				0.04	0.01	0.01	0.03	0.04	0.05	0.04	0.03	0.02	0.02	0.03	0.05	0.06	0.08	0.07	0.04	0.01	0.05	0.03	0.01	
Contained Gold (thousand ounces)	1,100.3				2.0	46.7	65.3	21.7	16.5	28.5	66.7	68.0	96.3	86.6	29.1	30.2	27.8	28.7	37.4	47.5	72.8	145.6	39.9	105.8	37.2
Contained Cobalt (thousand pounds)	82,334				910	4,541	3,992	4,444	4,849	4,770	4,277	4,155	3,314	4,567	4,721	4,611	4,394	4,346	4,191	4,035	3,417	3,735	3,231	4,053	1,782
Contained Bismuth (thousand pounds)	102,083				801	6,038	4,435	4,261	5,267	6,424	7,224	6,485	5,871	4,629	5,561	6,540	6,750	6,321	5,504	5,228	4,588	3,016	4,638	2,100	402
Contained Copper (thousand pounds)	27,196				297	528	468	1,217	1,474	1,911	1,619	1,213	888	726	777	1,087	1,789	2,374	2,831	2,584	1,616	458	1,99		



Fortune retained Golder to carry out the conceptual design of the CDF, as input to the Jacobs FEED study. Golder had previously carried out a trade-off study for the management of tailings and mine waste rock, the result of which was the selection of the CDF system and a pre-feasibility study level design and cost estimate, at an assessed accuracy of plus or minus 25%.

The advantages of the co-disposal of waste are:

- Minimization of the footprint of the waste disposal facilities.
- Minimization of the potential for acid generation and metal leaching.
- Maximization of water conservation.
- Minimization of water treatment requirements.
- The ability to undertake progressive reclamation.

The CDF will be contained by a perimeter dyke comprising a prism of mine rock at least 25 metres thick. The perimeter dyke will be raised periodically in 5-metre lifts, using the upstream construction method. Inside the perimeter dyke, the CDF will comprise alternating layers of mine waste rock and tailings, about 5 metres thick. The perimeter dyke will be free draining but it will retain tailings particles. Five seepage collection ponds (SCP) will be constructed downstream of the CDF at topographically low areas, to intercept any tailings water that may seep through the perimeter dyke. Water collected in the SCPs will be pumped to the process plant for re-use.

The tailings layers will be created by constructing a series of cells. A 5-metre thick layer of waste rock will be pushed over each tailings cell as soon as it is complete. The permanent cover system will be designed to prevent erosion and potential transport of tailings solids, to reduce infiltration and to prevent contact between tailings and surface runoff. The cover system will include a capillary break to reduce metal uptake by vegetation in the cover and, therefore, ingestion of metals from the vegetation by wildlife.

### **1.5.7 Hydrometallurgical Processing Plant**

The bulk gold-cobalt-bismuth-copper concentrate produced at the Project site in the NWT will require further processing at the SMPP, principally by hydrometallurgical techniques, to produce saleable gold, cobalt, bismuth and copper products. The bulk concentrate will be transported by road and rail to a dedicated rail siding on the SMPP property.

At the SMPP, the bulk concentrate will be re-ground to minus 14 microns and subjected to secondary flotation to produce separate auriferous cobalt and bismuth concentrates. The bismuth concentrate will then be treated by a ferric chloride leach. The pregnant solution will be subjected to electrowinning to produce bismuth cathode, which will then be smelted, with a flux, to produce bismuth ingots of 99.995% purity. It is planned also to produce bismuth needles and to convert a high proportion of the bismuth ingots to bismuth oxide.

The bismuth residue will be combined with the cobalt concentrate and subjected to a pressure acid leach in an autoclave. Iron, arsenic and copper will then be precipitated sequentially with lime and sodium carbonate. The copper precipitate will be re-leached, and then re-precipitated as copper cement, which will be sold to a third party smelter for conversion into copper metal.

Cobalt pregnant solution produced by the pressure acid leach, after the precipitation of iron and arsenic, will be processed by solvent extraction, using Cyanex 272, in order to remove metallic impurities by sequential stripping, and leave a pure cobalt sulphate solution. This solution will then be evaporated and subjected to a three-stage crystallization process to produce cobalt sulphate heptahydrate, containing 20.9% cobalt. Cobalt carbonate, cobalt oxide, cobalt nitrate and cobalt chloride can also be produced from the same solution, should market conditions so dictate.

The tailing from the cobalt concentrate will be leached with cyanide, for the recovery of gold, as doré bars.

The design production schedule for the hydrometallurgical processing facility in Saskatchewan is summarized in Table 1.6.

Solid waste residue from the SMPP will consist primarily of two streams:

- Residue from the cyanide leach used to recover gold, which will be produced at a design rate of 9 tonnes per hour.
- Iron-arsenic precipitate, and gypsum residue, from the precipitation circuit following the autoclave, which will be produced at a design rate of 5.7 tonnes per hour. The arsenic will present as scorodite, a relatively stable iron-arsenic compound.

These solid waste streams will be permanently entombed in a dedicated permanent residue storage facility (PRSF), located on the SMPP property. The PRSF will be constructed as a series of dyked cells, above the groundwater table. Each cell will have a dual containment liner and a leak detection system. As soon as possible after each cell is filled with residue, an engineered cover will be placed over it, to limit water and oxygen ingress and to support vegetation. The site selected for the PRSF is underlain by 9 to 18 metres of low conductivity till, providing a high level of secondary containment to prevent any contamination of the Dalmeny Aquifer below.

The principal liquid residue from the SMPP will be a high chloride brine from the bismuth recovery process. This solution will be injected, through a deep well, into the Souris River Formation, at a depth below surface of approximately 800 metres. The design rate of production of this waste solution is 11 cubic metres per hour.

Table 0.6  
Hydrometallurgical Plant Production Schedule

	Total	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
<b>MILL PRODUCTION</b>																									
Concentrate Shipped (thousand dry tonnes)	1,062.3				10.4	53.7	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	16.3
Moisture Content of Concentrate (%)	8.7				8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
Concentrate Shipped (thousand wet tonnes)	1,154.6				11.3	58.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	17.8
Gold Grade of Concentrate (grams/tonne)	25.19				4.09	22.06	31.04	8.47	6.41	11.27	29.39	30.00	44.24	39.28	11.49	12.02	10.98	11.35	14.92	20.12	32.29	70.58	16.96	49.62	58.84
Cobalt Grade of Concentrate (%)	3.20				3.61	3.48	3.02	3.36	3.67	3.61	3.23	3.14	2.51	3.45	3.57	3.49	3.32	3.29	3.17	3.05	2.58	2.82	2.44	3.06	4.50
Bismuth Grade of Concentrate (%)	3.58				2.87	4.18	3.03	2.91	3.60	4.39	4.93	4.43	4.01	3.16	3.80	4.47	4.61	4.32	3.76	3.57	3.13	2.06	3.17	1.43	0.92
Copper Grade of Concentrate (%)	1.03				1.15	0.40	0.35	0.90	1.09	1.42	1.20	0.90	0.66	0.54	0.58	0.81	1.33	1.76	2.10	1.91	1.20	0.34	1.48	0.87	0.40
Gold in Concentrate (thousand ounces)	860.3				1.4	38.1	54.4	14.8	11.2	19.8	51.5	52.6	77.6	68.9	20.1	21.1	19.3	19.9	26.2	35.3	56.6	123.8	29.7	87.0	30.9
Cobalt in Concentrate (thousand pounds)	74,839				827	4,127	3,629	4,039	4,408	4,335	3,888	3,776	3,013	4,151	4,291	4,191	3,994	3,950	3,809	3,668	3,106	3,395	2,937	3,684	1,620
Bismuth in Concentrate (thousand pounds)	83,808				658	4,957	3,642	3,498	4,324	5,274	5,931	5,324	4,820	3,800	4,566	5,369	5,542	5,190	4,519	4,292	3,767	2,476	3,870	1,724	267
Copper in Concentrate (thousand pounds)	24,231				265	470	417	1,084	1,313	1,703	1,443	1,080	791	647	692	969	1,594	2,115	2,522	2,302	1,440	408	1,781	1,051	143
<b>HYDROMETALLURGICAL PLANT PRODUCTION</b>																									
Concentrate Treated (thousand dry tonnes)	1,062.3				10.4	53.7	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	16.3
Cobalt Concentrate Produced (thousand dry tonnes)	979.1				9.6	49.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	15.1
Gold Recovery to Cobalt Concentrate (%)	21.3				21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
Cobalt Recovery to Cobalt Concentrate (%)	97.8				97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
Bismuth Recovery to Cobalt Concentrate (%)	11.1				11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
Copper Recovery to Cobalt Concentrate (%)	39.5				39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
Gold in Cobalt Concentrate (thousand ounces)	183.2				0.3	8.1	11.6	3.2	2.4	4.2	11.0	11.2	16.5	14.7	4.3	4.5	4.1	4.2	5.6	7.5	12.1	26.4	6.3	18.5	6.6
Cobalt in Cobalt Concentrate (thousand pounds)	73,193				808.7	4,036.4	3,549.2	3,950.5	4,310.7	4,240.0	3,802.2	3,693.4	2,946.5	4,059.6	4,196.8	4,099.2	3,906.1	3,863.5	3,725.5	3,586.8	3,037.2	3,320.6	2,872.4	3,603.2	1,584.3
Bismuth in Cobalt Concentrate (thousand pounds)	9,303				73.0	550.2	404.2	388.2	480.0	585.4	658.3	591.0	535.0	421.8	506.8	596.0	615.1	576.1	501.6	476.4	418.1	274.8	429.6	191.4	29.7
Copper in Cobalt Concentrate (thousand pounds)	9,583				104.7	186.0	165.0	428.7	519.3	673.6	570.6	427.3	313.0	256.0	273.8	383.1	630.4	836.4	997.5	910.5	569.6	161.2	704.5	415.5	56.6
Recovery of Gold from Cobalt Concentrate (%)	94.7				94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
Recovery of Cobalt from Cobalt Concentrate (%)	92.9				92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
Recovery of Bismuth from Cobalt Concentrate (%)	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery of Copper from Cobalt Concentrate (%)	46.2				46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
Recovered Gold in Doré from Cobalt Concentrate (thousand ounces)	173.5				0.3	7.7	11.0	3.0	2.3	4.0	10.4	10.6	15.6	13.9	4.1	4.3	3.9	4.0	5.3	7.1	11.4	25.0	6.0	17.5	6.2
Recovered Cobalt from Cobalt Concentrate (thousand pounds)	67,996				751.3	3,749.8	3,297.2	3,670.0	4,004.6	3,938.9	3,532.3	3,431.2	2,737.3	3,771.3	3,898.8	3,808.1	3,628.8	3,589.2	3,461.0	3,332.2	2,821.6	3,084.9	2,668.5	3,347.4	1,471.8
Recovered Bismuth from Cobalt Concentrate (thousand pounds)	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovered Copper from Cobalt Concentrate (thousand pounds)	4,427				48.4	85.9	76.2	198.1	239.9	311.2	263.6	197.4	144.6	118.3	126.5	177.0	291.3	386.4	460.9	420.6	263.2	74.5	325.5	192.0	26.2
Bismuth Concentrate Produced (thousand dry tonnes)	83.2				0.8	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	1.3
Gold Recovery to Bismuth Concentrate (%)	78.7				78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
Cobalt Recovery to Bismuth Concentrate (%)	2.2				2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Bismuth Recovery to Bismuth Concentrate (%)	88.9				88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
Copper Recovery to Bismuth Concentrate (%)	60.5				60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
Gold in Bismuth Concentrate (thousand ounces)	676.8				1.1	30.0	42.8	11.7	8.8	15.5	40.6	41.4	61.0	54.2	15.8	16.6	15.1	15.7	20.6	27.8	44.5	97.4	23.4	68.5	24.3
Cobalt in Bismuth Concentrate (thousand pounds)	1,646				18.2	90.8	79.8	88.9	97.0	95.4	85.5	83.1	66.3	91.3	94.4	92.2	87.9	86.9	83.8	80.7	68.3	74.7	64.6	81.1	35.6
Bismuth in Bismuth Concentrate (thousand pounds)	74,506				584.8	4,406.6	3,237.3	3,109.3	3,844.1	4,688.4	5,272.4	4,733.0	4,284.9	3,378.6	4,059.0	4,773.2	4,926.7	4,613.7	4,017.2	3,815.9	3,348.8	2,201.2	3,440.3	1,532.7	237.6
Copper in Bismuth Concentrate (thousand pounds)	14,648				160.0	284.3	252.3	655.3	793.7	1,029.5	872.1	653.1	478.4	391.2	418.5	585.5	963.6	1,278.4	1,524.7	1,391.6	870.6	246.4	1,076.8	635.0	86.5
Recovery of Gold from Bismuth Concentrate (%)	94.7				94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
Recovery of Cobalt from Bismuth Concentrate (%)	92.9				92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
Recovery of Bismuth from Bismuth Concentrate (%)	98.9				98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
Recovery of Copper from Bismuth Concentrate (%)	46.2				46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
Recovered Gold in Doré from Bismuth Concentrate (thousand ounces)	640.9				1.0	28.4	40.6	11.1	8.4	14.7	38.4	39.2	57.8	51.3	15.0	15.7	14.3	14.8	19.5	26.3	42.2	92.2	22.2	64.8	23.0
Recovered Cobalt from Bismuth Concentrate (thousand pounds)	1,530				16.9	84.4	74.2	82.6	90.1	88.6	79.5	77.2	61.6	84.8	87.7	85.7	81.6	80.7	77.9	75.0	63.5	69.4	60.0	75.3	33.1
Recovered Bismuth from Bismuth Concentrate (thousand pounds)	73,656				578.2	4,356.4	3,200.4	3,073.9	3,800.3	4,635.0	5,212.3	4,679.1	4,236.0	3,340.0	4,012.8	4,718.8	4,870.5	4,561.1	3,971.4	3,772.4	3,310.7	2,176.1	3,401.1	1,515.2	234.9
Recovered Copper from Bismuth Concentrate (thousand pounds)	6,767				73.9	131.3	116.5	302.8	366.7	475.6	402.9	301.7	221.0	180.7	193.4	270.5	445.2	590.6	704.4	642.9	402.2	113.9	497.5	293.4	40.0
Total Recovered Gold (thousand ounces)	814				1.3	36.1	51.5	14.1	10.6	18.7	48.8	49.8	73.4	65.2	19.1	20.0	18.2	18.8	24.8	33.4	53.6	117.2	28.2	82.4	29.3
Total Recovered Cobalt (thousand ounces)	69,526				768.2	3,834.2	3,371.4	3,752.5	4,094.7	4,027.5	3,611.7	3,508.4	2,798.9	3,856.2	3,986.5	3,893.8	3,710.4	3,669.9	3,538.8	3,407.1	2,885.0	3,154.2	2,728.5	3,422.7	1,504.9
Total Recovered Bismuth (thousand ounces)	73,656				578.2	4,356.4	3,200.4	3,073.9	3,800.3	4,635.0	5,212.3	4,679.1	4,236.0	3,340.0	4,012.8	4,718.8	4,870.5	4,561.1	3,971.4	3,772.4	3,310.7	2,176.1	3,401.1	1,515.2	234.9
Total Recovered Copper (thousand ounces)	11,195				122.3	217.3	192.8	500.8	606.6	786.8	666.5	499.2	365.6	299.0	319.9	447.5	736.4	977.0	1,165.3	1,063.6	665.4	188.3	823.0	485.3	66.1

<b>Metal</b>	<b>Metal Price (US\$)</b>	<b>Exchange Rate (US\$/C\$)</b>	<b>Metal Price (C\$)</b>
Gold (per oz)	1,350	0.88	1,534
Cobalt (per lb)	16.00	0.88	18.18
Cobalt in sulphate (per lb)	19.04	0.88	21.64
Bismuth ingot (per lb)	10.50	0.88	11.93
Bismuth needles (per lb)	11.00	0.88	12.50
Bismuth in oxide (per lb)	14.00	0.88	15.91
Bismuth (per lb, average)	12.64	0.88	14.36
Copper as cathode (per lb)	3.25	0.88	3.69
Copper as cement (per lb)	2.38	0.88	2.70

Fortune will be responsible for the marketing of all products. Fortune's cost of marketing is assessed as 1% of the gross revenue received from the sale of cobalt, bismuth and copper.

The financial model makes provision for the costs of transporting and refining the gold doré. The estimated cost of smelting and refining the copper cement to be produced at the SMPP has been included in the financial model by reducing the net price received from US\$3.25 per pound for cathode, to US\$2.38 per pound for copper contained in cement. The price of bismuth is a weighted average of US\$10.50 per pound for ingot (20%), US\$11.00 per pound for needles (20%) and US\$14.00 per pound for bismuth contained in oxide, less an allowance of US\$0.10 per pound for the additional processing required (60%).

### **1.5.8 Cost Structure**

The estimates of capital expenditure and operating cost for the NICO Project in the NWT have been developed by Procon Mining and Tunnelling Ltd. ("Procon"), based on the work of Fortune and third party engineering companies, consultants and contractors which were responsible for developing the estimates for the scope of work in their respective areas. The estimates are based on budgetary quotations received from potential vendors for the major items, and factored estimates or database information for other items. The capital expenditure and operating cost estimates for the Project site have an assessed level of accuracy of plus or minus 15%.

The estimates of capital expenditure for the SMPP have also been developed by Procon, to an assessed level of accuracy of plus or minus 15%.

The estimates of operating cost for the SMPP have been based on an addendum to the Jacobs FEED study which incorporated the production of cobalt sulphate, rather than cobalt cathode, as originally envisaged. The Jacobs estimates have been subsequently updated by Fortune. The estimates of operating cost for the SMPP have an assessed level of accuracy of plus or minus 15% for the basic plant, but minus 10%, plus 25% for the cobalt sulphate circuit.

#### **1.5.8.1 Capital Expenditures**

The estimated pre-production capital expenditures for the construction of the NICO Project in the NWT are estimated at C\$346.5 million, as summarized in Table 1.8.

**Table 0.7**  
**Summary of NICO Project Estimated Pre-Production Capital Costs**

<b>Cost Component</b>	<b>Estimated Cost (C\$ million)</b>
Open pit mining	52.4
Underground mining	-
Process plant and related infrastructure	170.0
Indirect costs	88.3
Engineering, procurement and construction management (EPCM)	39.1
Other costs	(3.3)
<b>Total pre-production capital</b>	<b>346.5</b>

An additional C\$41.4 million has been provided for sustaining capital expenditures to be incurred throughout the life of the Project.

The pre-production capital expenditures for construction of the SMPP are estimated at C\$242.5 million, as summarized in Table 1.9.

**Table 0.8**  
**Summary of SMPP Estimated Pre-Production Capital Cost**

<b>Cost Component</b>	<b>Estimated Cost (C\$ million)</b>
Labour	45.9
Permanent material	31.4
Construction material	5.9
Process equipment	57.9
Equipment purchases and operation	6.7
Sub-contractors and design	17.2
<b>Sub-Total</b>	<b>165.0</b>
Indirect costs	77.5
<b>Total</b>	<b>242.5</b>

An additional C\$16.4 million has been included for subsequent sustaining capital expenditures to be incurred throughout the operating life of the SMPP.

The total estimated pre-production and sustaining capital expenditures for the NICO Project are summarized in Table 1.10. These estimates are expressed in constant Canadian dollars of fourth quarter, 2013 value.

**Table 0.9**  
**Total Estimated Capital Expenditures**

<b>Location</b>	<b>Pre-Production Capital (C\$ million)</b>			<b>Sustaining (C\$ million)</b>	<b>Total Capital (C\$ million)</b>
	<b>Direct Costs</b>	<b>Indirect Costs</b>	<b>Total</b>		
NWT	222.4	124.1	346.5	41.4	387.9
SMPP	165.0	77.5	242.5	16.4	258.9
<b>Total</b>	<b>387.4</b>	<b>201.6</b>	<b>589.0</b>	<b>57.8</b>	<b>646.8</b>

### 1.5.8.2 Operating Costs

The estimated life-of-mine (LOM) operating costs for the NICO Project in the NWT are summarized in Table 1.11. The average estimated cost is C\$39.70 per tonne of ore milled. These costs are expressed in constant Canadian dollars of fourth quarter, 2013 value.

**Table 0.10**  
**Summary of Project Site Operating Cost Estimate**

Cost Centre	Life-of-Mine Cost (C\$ million)	Average Annual Cost (C\$ million)	Average Unit Cost (C\$/t total ore mined)
Open Pit Mining	271.2	13.6	8.20
Underground Mining	52.7	2.6	1.59
Processing (NWT)	422.4	21.1	12.77
Shared Services	355.2	17.8	10.74
Concentrate Transport	212.1	10.6	6.41
<b>Total</b>	<b>1,313.6</b>	<b>65.7</b>	<b>39.71</b>

The estimated LOM operating costs for the SMPP are estimated at C\$599 million, or C\$564 per tonne of bulk concentrate processed, distributed approximately as summarized in Table 1.12.

**Table 0.11**  
**Summary of SMPP Operating Cost Estimate**

Item	Life-of-Mine Cost (C\$ million)	Average Annual Cost (C\$ million)	Average Unit Cost (C\$/t concentrate)
Labour	169	8.5	159
Power	73	3.7	69
Reagents	209	10.5	197
Maintenance Supplies	82	4.1	77
Infrastructure	11	0.5	10
Other	55	2.8	52
<b>Total</b>	<b>599</b>	<b>30</b>	<b>564</b>

The total cost of operating the SMPP is equivalent to C\$18.11 per tonne of ore milled at the Project site.

Fortune has also performed an analysis of the average cash cost of production per ounce of gold equivalent and per pound of cobalt equivalent, with metal equivalents being calculated on the basis of the revenues estimated to be received for each metal, thereby taking into account both the ratio of the prices of each metal and the differences in metallurgical recovery. A further analysis was undertaken of the cash operating costs of producing gold, cobalt and bismuth, after by-product credits for each of the other metals. The results of these analyses are summarized in Table 1.13.

**Table 0.12**  
**Unit Cost of Metal Equivalents and Net of By-Product Credits**

Unit Cost Measure	Units	Average Unit Cost
Per equivalent ounce of gold	US\$/oz	673.54
Per equivalent pound of cobalt	US\$/lb	9.50
Per ounce of gold, net of by-product credits	US\$/oz	(702.12)
Per pound of cobalt, net of by-product credits	US\$/lb	(5.19)
Per pound of bismuth, net of by-product credits	US\$/lb	(10.18)

### **1.5.9 Financial Evaluation**

The overall results of the base case financial evaluation of the NICO Project have been summarized in Table 1.1. The discounted cash flow evaluation has been based on the production schedules, metal prices, capital expenditures and operating costs summarized above and discussed in detail in the body of this report, together with the following additional considerations:

- Provision has been made for the payment of NWT mining royalty, Canadian federal income tax, NWT income tax and Saskatchewan income tax. Fortune reports that it will be exempt from Saskatchewan income tax for five years, once taxable in the Province, based on legislation introduced by the Province to attract industrial investment.
- Provisions have been included for Fortune's corporate overhead costs and for minor changes in working capital.
- An annual allowance has been included for security deposits to fund final reclamation and closure.
- The Project capital expenditure is assumed to be financed 30% by equity and 70% by debt.

Details of the projected annual cash flows are provided Table 1.14.

The overall economics of the NICO Project are more sensitive to changes in the factors that affect revenue, than they are to changes in capital expenditures or operating costs. Sensitivity analyses have been conducted to determine the effect on net present value and internal rate of return of variations from the base level prices of the two principal co-products, gold and cobalt. The results are summarized in Table 1.15. These sensitivity analyses also serve as a proxy for variations in ore grade, metallurgical recovery or metal production, for either gold or cobalt.

Table 0.13  
NICO Project Cash Flow

	Total	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
PRODUCTION DATA																									
Open Pit Ore Mined (thousand tonnes)	32,500			17	460	1,443	1,488	1,487	1,661	1,749	1,696	1,695	1,700	1,708	1,691	1,698	1,707	1,713	1,692	1,640	1,659	1,798	1,658	1,703	438
Open Pit Waste Mined (thousand tonnes)	97,810			4,917	11,009	5,377	4,462	7,136	3,504	4,081	7,463	7,375	6,292	4,543	3,779	3,765	3,846	2,839	2,853	3,313	2,653	1,578	4,291	2,331	403
Underground Ore Mined (thousand tonnes)	577					273	304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reclaimed from Stockpile (thousand tonnes)	507				21	0	7	212	37	0	3	3	0	0	7	0	0	0	7	58	39	0	40	0	71
Ore Milled (thousand tonnes)	33,078				324	1,673	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	509
Concentrate Treated (thousand dry tonnes)	1,062.3				10.4	53.7	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	16.3
Concentrate Treated (thousand wet tonnes)	1,154.6				11.3	58.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	17.8
Gold Sold (thousand ounces)	814.4				1.2	35.3	52.5	14.0	10.7	18.6	48.6	49.8	73.3	65.3	19.5	20.0	18.2	18.8	24.7	33.3	53.4	116.7	31.2	82.0	27.4
Cobalt Sold (thousand pounds)	69,526				256.1	4,193.7	3,318.6	3,744.6	4,075.2	4,030.3	3,634.4	3,515.8	2,837.0	3,801.3	3,976.7	3,898.9	3,720.0	3,672.9	3,546.2	3,415.3	2,913.4	3,141.3	2,822.0	3,390.5	1,621.5
Bismuth Sold (thousand pounds)	73,656					4,623.1	3,216.7	3,106.7	3,741.8	4,564.5	5,161.1	4,718.2	4,273.1	3,413.7	3,965.5	4,660.3	4,852.9	4,584.1	4,019.8	3,792.8	3,347.9	2,268.6	3,311.7	1,657.4	376.5
Copper Sold (thousand pounds)	11,195					316.0	191.4	462.1	594.0	764.9	677.7	519.7	383.1	308.6	318.6	433.0	701.7	945.1	1,140.3	1,072.7	711.4	248.0	761.8	517.0	127.3
METAL PRICES																									
Gold Price (US\$/ounce)				1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
Cobalt Price (US\$/pound)				16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Price of Cobalt in Sulphate (US\$/pound, plus 19%)				19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04
Bismuth Price (US\$/pound)				12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64	12.64
Copper Price (US\$/pound)				2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38
Exchange Rate (US\$/C\$)				0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Gold Price (C\$/ounce)				1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534	1,534
Cobalt Price (C\$/pound)				18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18
Price of Cobalt in Sulphate (C\$/pound)				21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64
Bismuth Price (C\$/pound)				14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36
Copper Price (C\$/pound)				2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
REVENUE AND EXPENDITURE (C\$ thousand)																									
Gross Revenue from Gold Sales	1,249,358				1,787	54,088	80,474	21,482	16,369	28,599	74,488	76,415	112,403	100,164	29,871	30,626	27,996	28,917	37,924	51,138	81,996	178,992	47,866	125,746	42,018
Gross Revenue from Cobalt Sulphate Sales	1,504,283				5,540	90,737	71,803	81,020	88,172	87,202	78,634	76,069	61,383	82,245	86,040	84,357	80,488	79,468	76,728	73,894	63,035	67,966	61,057	73,359	35,084
Gross Revenue from Bismuth Sales	1,057,972				0	66,404	46,204	44,623	53,746	65,563	74,132	67,770	61,377	49,033	56,959	66,939	69,705	65,844	57,739	54,478	48,088	32,585	47,568	23,806	5,408
Gross Revenue from Copper Sales	30,214				0	853	517	1,247	1,603	2,064	1,829	1,403	1,034	833	860	1,169	1,894	2,552	3,078	2,895	1,920	669	2,056	1,395	344
Gross Sales Revenue	3,841,828				7,327	212,082	198,997	148,373	159,889	183,428	229,085	221,658	236,197	232,276	173,730	183,091	180,083	176,782	175,468	182,405	195,039	280,213	158,547	224,306	82,854
Concentrate Transportation	(212,099)				(2,067)	(10,729)	(10,895)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(10,887)	(3,264)
Gold Refining	(7,492)				(12)	(327)	(476)	(145)	(116)	(184)	(442)	(655)	(586)	(192)	(196)	(181)	(186)	(237)	(311)	(484)	(1,028)	(293)	(730)	(260)	(260)
Marketing Expense	(25,925)				(55)	(1,580)	(1,185)	(1,269)	(1,435)	(1,548)	(1,452)	(1,238)	(1,321)	(1,439)	(1,525)	(1,479)	(1,521)	(1,479)	(1,375)	(1,313)	(1,130)	(1,012)	(1,107)	(986)	(408)
Net Smelter Return	3,596,312				5,192	199,445	186,441	136,072	147,451	170,797	216,202	208,865	223,417	219,473	161,213	170,484	167,483	164,222	162,969	169,894	182,529	267,285	146,250	211,704	78,922
Open Pit Mining	(271,154)				(171)	(11,730)	(12,530)	(12,442)	(14,616)	(14,845)	(11,821)	(11,900)	(12,241)	(15,228)	(14,893)	(14,832)	(14,837)	(15,329)	(15,324)	(14,040)	(13,734)	(14,975)	(16,066)	(12,518)	(6,992)
Underground Mining	(52,742)					(24,970)	(27,772)																		
Milling	(422,454)					(21,265)	(21,188)	(21,225)	(21,207)	(21,207)	(21,207)	(21,244)	(21,207)	(21,207)	(21,207)	(21,244)	(21,207)	(21,207)	(21,207)	(21,244)	(21,207)	(21,207)	(21,207)	(21,244)	(16,444)
Shared Services and Camp	(355,176)				(110)	(3,354)	(18,340)	(18,222)	(18,271)	(18,251)	(18,200)	(17,672)	(17,719)	(17,672)	(17,672)	(17,719)	(17,672)	(17,672)	(17,672)	(17,719)	(17,672)	(17,672)	(17,719)	(17,672)	(12,832)
SMPP Operating Costs	(599,123)					(5,864)	(30,307)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,763)	(30,761)	(9,220)
Other Processing Charges	(4,025)			(70)		(77)	(147)	(256)	(201)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)	(181)
Total Operating Cost	(1,704,674)		(70)	(187)	(12,408)	(106,868)	(110,676)	(82,902)	(85,018)	(85,196)	(81,644)	(81,897)	(82,064)	(85,051)	(84,716)	(84,739)	(84,660)	(85,152)	(85,147)	(83,947)	(83,557)	(84,798)	(85,889)	(82,423)	(45,669)
Operating Profit	1,891,638		(70)	(																					



Table 0.14  
Sensitivity Analyses

<b>Gold Price (US\$/oz)</b>	<b>1,200</b>	<b>1,350</b>	<b>1,500</b>
Pre-tax NPV, 7% (C\$ million)	196	<b>254</b>	312
Pre-tax IRR (%)	13.9	<b>15.6</b>	17.2
Post-tax NPV, 7%(C\$ million)	168	<b>224</b>	281
Post-tax IRR (%)	13.3	<b>15.1</b>	16.7
<b>Cobalt Price (US\$/lb)</b>	<b>13.00</b>	<b>16.00</b>	<b>19.00</b>
Pre-tax NPV, 7% (C\$ million)	124	<b>254</b>	383
Pre-tax IRR (%)	11.4	<b>15.6</b>	19.4
Post-tax NPV, 7% (C\$ million)	98	<b>224</b>	350
Post-tax IRR (%)	10.7	<b>15.1</b>	19.0

A separate sensitivity analysis has also been conducted, using the base case production and cost estimates, but with a series of cyclical metal prices fluctuating over the range shown in Table 1.16, and over a recurring six-year cycle.

**Table 0.15**  
**Cyclical Metal Prices**

<b>Metal</b>	<b>Price Range</b>	
	<b>Low</b>	<b>High</b>
Gold (US\$/oz)	1,200	1,900
Cobalt (US\$/lb)	12.00	30.00
Bismuth (US\$/lb)	7.00	19.00
Copper (US\$/lb)	3.00	4.50

Under this sensitivity analysis, the NICO Project would be expected to yield an after-tax, undiscounted life-of-mine cash flow of C\$1.44 billion, an after-tax net present value of C\$505 million at a discount rate of 7% per year and an after-tax internal rate of return of 23.2% per year. The equivalent pre-tax indices are a present value of C\$543 million and an internal rate of return of 23.6% per year.

## **1.6 CONCLUSIONS AND RECOMMENDATIONS**

The principal conclusions reached on the basis of the discussion contained in this report are that the NICO Project is technically feasible and also that, at the metal prices and exchange rates used in the financial analysis, the Project is economically viable.

The principal components of the proposed Project that are not yet at the Feasibility Study level of definition are:

- The operating cost estimates for the SMPP, which remain based on the original FEED study and have an assessed level of accuracy of minus 10%, plus 25% for the cobalt sulphate production circuit.
- A detailed analysis of the future demand for bismuth oxide, which is projected to constitute 60% of the bismuth produced, or an average of approximately 1,000 tonnes per year of bismuth oxide.

It is recommended that studies be advanced on both of these fronts, as a matter of priority.

The principal matters outstanding before construction at the Project site in the NWT can begin are obtaining the permits necessary to do so and arranging financing for the Project. Since all materials and equipment required for

the 2015 early works program must be delivered to site over the winter road, prior to about April, 2015, failure to secure financing by approximately September, 2014 will jeopardize that program and potentially set the Project back by a full year.

The procedure for obtaining permits for the site in the NWT is well advanced and, to a large extent, now in the hands of the regulatory authorities. It is recommended, however, that consultation with all stakeholders continue unabated, since the public may still have the right to comment on the permit applications.

Completion of the all-weather road from Behchokö to Whatì early in 2016 is critical to maintaining the Project construction schedule. Negotiation of a definitive agreement between the NWT and Tłı̨chǫ governments, and Fortune if necessary, to achieve this schedule is also regarded as a matter of priority. The terms under which electric power will be supplied to the Project site from the Snare Hydroelectric Complex remain to be finalized.

An Impact and Benefits Agreement with the Tłı̨chǫ government may involve some added cost for the Project. It is recommended that the financial terms of that agreement be negotiated as soon as possible.

### ***Other Northwest Territories Properties***

Fortune has other participating interests in mineral claims in the Northwest Territories. They include the 100% owned Sue-Dianne deposit contained in a 451 ha lease and a 100% interest in 116 ha at Salkeld Lake south of Great Slave Lake with copper-silver-gold +/- lead and zinc showings.

The Sue-Dianne lease is located 24 km north of NICO in the Marian River area of the Northwest Territories. There is an underlying 1.5% NSR royalty payable to Noranda Inc. (now Glencore) and a 15% net profits interest to the original vendor of the property. Fortune acquired its interest in Sue-Dianne pursuant to a 1996 option agreement whereby Fortune earned a 50% interest by expending \$2 million in exploration of the property over 3 years. Fortune increased its interest in Sue-Dianne to 100% when Noranda did not participate in subsequent work programs.

The Sue-Dianne lease contains the Sue-Dianne deposit, which was discovered in 1975 when Noranda drilled a target identified from earlier geological mapping and geophysical surveys. Drilling by 1977 partly delineated an historical (pre-NI 43-101) resource. No further work was carried out until Fortune optioned the property as part of a regional approach to exploration in the area. Fortune carried out additional geology and geophysical surveys, environmental, geotechnical engineering and metallurgical studies, and drilled 47 holes by the end of 1998. Additional work consisted of geotechnical engineering and site rehabilitation. Revised resource estimates as set forth below were prepared in early 2008 by Micon and P&E. The processing of mineralization from Sue-Dianne could take place at the proposed NICO processing facility once mining operation have ceased at NICO or at an expanded NICO process plant in the future. However, such an expansion is not presently contemplated and is not part of the NICO mine permit applications submitted. Preliminary metallurgical test work has been conducted on composite samples of core from the deposit at SGS in 1998.

### **Resources for the Sue-Dianne Copper-Silver Deposit @0.40% Cu Cut-Off Grade**

<b>Classification</b>	<b>Tonnes</b>	<b>Cu (%)</b>	<b>Au (g/t)</b>	<b>Ag (g/t)</b>	<b>Cu (million lbs)</b>	<b>Au (oz)</b>	<b>Ag (oz)</b>
<b>Indicated</b>	8,444,000	0.80	0.07	3.2	149.1	19,000	855,000
<b>Inferred</b>	1,620,000	0.79	0.07	2.4	28.3	3,600	122,000

The disclosure of scientific and technical information contained in this Annual Information Form has been approved by Robin Goad, M.Sc., P.Geo., President and Chief Executive Officer of Fortune, who is a "Qualified Person" under National Instrument 43-101.

## DIVIDENDS

To date the Company has not paid any dividends on its shares, and it is unlikely that dividends will be payable in the foreseeable future. The Company anticipates that dividends will only be paid in the event it successfully brings one of its properties into production.

## DESCRIPTION OF CAPITAL STRUCTURE

Fortune's authorized share capital consists of an unlimited number of Common Shares without par value, of which 359,553,220 are outstanding as at the date hereof. Holders of Common Shares are entitled to one vote per share at any meeting of the shareholders of the Company, to receive dividends as and when declared by the Board of Directors, and to receive pro rata the remaining property and assets of the Company upon its dissolution or winding-up. The holders of Common Shares as a class have no pre-emptive, redemption, subscription or conversion rights. Modifications to the rights, privileges, restrictions and conditions attached to the Common Shares (including the creation of another class of shares that ranks prior to or on a parity with the Common Shares) requires an affirmative vote of two-thirds of the votes cast at a meeting of the holders of Common Shares.

## MARKET FOR SECURITIES

### Trading Price and Volume

The Common Shares are listed on TSX under the symbol "FT" and on the OTCQB under the symbol "FTMDF". The following table summarizes the range of trading prices and monthly volumes of Common Shares on the TSX and OTCQB for the most recently completed financial year:

Month	TSX			OTCQB		
	High (Cad \$)	Low (Cad \$)	Volume	High (US \$)	Low (US \$)	Volume
January	0.12	0.08	5,787,035	0.088	0.06	1,090,666
February	0.13	0.11	4,356,049	0.097	0.079	781,663
March	0.16	0.11	7,807,007	0.115	0.08	1,253,754
April	0.12	0.10	2,495,806	0.094	0.072	732,342
May	0.11	0.095	2,402,088	0.083	0.065	934,081
June	0.105	0.09	1,875,010	0.079	0.065	690,190
July	0.105	0.08	3,957,100	0.08	0.06	963,704
August	0.10	0.075	2,277,011	0.074	0.055	1,248,137
September	0.09	0.075	1,909,447	0.069	0.054	1,144,250
October	0.09	0.075	2,087,951	0.071	0.052	1,067,025
November	0.085	0.07	2,021,669	0.064	0.051	1,090,099
December	0.085	0.07	1,982,149	0.071	0.052	969,287

### Prior Sales

The only equity securities that the Company has outstanding that are not listed or quoted on a marketplace are stock options granted under the Company's stock option plan and certain Common Share purchase warrants. Set forth below is information with respect to the warrants issued during the most recently completed financial year. There were no stock options issued during the most recently completed financial year.

Warrants issued during the most recently completed financial year:

Date of Grant	Date of Expiry	Number of Warrants Issued	Exercise Price of Warrants Issued
November 18, 2019	November 18, 2021	450,000	\$0.085

Subsequent to December 31, 2019, there were no stock options or warrants issued.

### **ESCROWED SECURITIES**

The following table sets forth the details of shares of the Company currently held in escrow:

<b>Designation of Class</b>	<b>Number of Securities held in Escrow</b>	<b>Percentage of Class</b>
Common Shares	900,000	0.25%

The shares referred to in the table above were placed in escrow in connection with the transfer to Fortune by Robin Goad and Carl Clouter in 1994 of certain claims that now form part of the NICO property (the “Transferred Property”). In accordance with the securities laws in effect at the time of the transfer, Fortune required the consent of the Director of the Ontario Securities Commission (the “OSC”) to complete the transaction. As a condition of granting such consent, the Director required that the shares to be issued to Messrs. Goad and Clouter be escrowed and such shares were deposited in escrow with Leede Jones Gable Inc. (formerly Jones, Gable & Company Limited) (“Leede Jones Gable”) pursuant to an escrow agreement (the “Escrow Agreement”) dated as of the 23rd day of February, 1995 among Mr. Goad, Mr. Clouter, Fortune and Leede Jones Gable. The escrowed shares held by Mr. Goad were subsequently transferred to Geoscience Technical Inc. (“Geoscience”), a private holding company owned by Mr. Goad.

The Escrow Agreement provides, in effect, that the shares held in escrow thereunder may only be transferred by the holders or released with the consent of the OSC, subject to the exception that:

- (a) one-third of the escrowed shares beneficially owned by each of Geoscience and Mr. Clouter may be released upon the commencement of commercial production on the Transferred Property; and,
- (b) following the commencement of commercial production on the Transferred Property, the balance of the escrowed shares may be released within 30 days of the end of each calendar quarter based on an assumed NSR from the property (the “Royalty”) in each calendar quarter. The aggregate number of escrowed shares to be released on each release date shall be equal to 3% of the Royalty for the immediately preceding calendar quarter divided by the market price of the Common Shares as of last trading day of such calendar quarter.

### **DIRECTORS AND OFFICERS**

#### **Name, Occupation and Security Holding**

The following table sets forth certain information with respect to the directors and officers of the Company:

<b>Name, Municipality of Residence and Present Position with the Company</b>	<b>Principal Occupation</b>	<b>Director Since</b>
<b>GOAD, ROBIN E.</b> London, Ontario President, Chief Executive Officer and Director	Geologist/Mining Executive	1989
<b>CLOUTER, CARL L.</b> Gander, Newfoundland Director	Former Commercial Pilot/President, Clouter Enterprises Ltd. (real estate investment company)	1988
<b>NAIK, MAHENDRA</b> <sup>(1)(2)(3)</sup> Mississauga, Ontario Chairman	CPA, CA, Corporate Director and Chief Executive Officer, FinSec Services Inc. (private business advisory company)	2006
<b>YURKOWSKI, EDWARD</b> <sup>(1)(2)(3)</sup> Calgary, Alberta Director	Retired Mining Contractor and Mining Executive	2013
<b>RAMSAY, DAVID</b> <sup>(1)(2)</sup> Yellowknife, Northwest Territories Director	President, RCS Limited (government relations and management consulting firm)	2016
<b>KOROPCHUK, GLEN</b> Calgary, Alberta Technical Director & Chief Operating Officer and Director	Mineral Industry Consultant	2016
<b>MCVEY, JOHN</b> <sup>(1)(2)</sup> Burnaby, British Columbia Director	CEO and Executive Director, Procon Group of Companies, a mining and construction contractor	2018
<b>KNIGHT, DAVID A.</b> Oakville, Ontario Corporate Secretary	Partner, WeirFoulds LLP, Barristers & Solicitors	
<b>MASSOLA, DAVID W.</b> Toronto, Ontario Vice President and Chief Financial Officer	Mining Financial Executive	
<b>SCHRYER, RICHARD P.</b> Saskatoon, Saskatchewan Vice President Environmental & Regulatory Affairs	Environmental & Regulatory Scientist and Consultant	

<sup>(1)</sup> Members of the Audit Committee

<sup>(2)</sup> Members of the Compensation Committee

<sup>(3)</sup> Members of the Governance & Nomination Committee

Each of the directors and officers of the Company has held his present principal occupation noted above for the past five years except for:

- Mr. Yurkowski, who was the Chief Executive Officer of Procon retired from that position in 2015 and served as a director and consultant until he retired in 2018;

- Mr. Ramsay who prior to November 23, 2015 served as member for the Executive Council of the GNWT, holding various portfolios;
- Mr. Koropchuk who prior to retiring was Chief Operating Officer of De Beers Canada Inc.; and
- Mr. McVey who prior to becoming CEO of Procon in 2015 was Mining & Metals Country Manager for Canada and General Manager for North America for Bechtel.

The directors of the Company are elected by the shareholders at each annual general meeting and serve until the next annual general meeting, or until their successors are duly elected or appointed. Officers of the Company are appointed by the board of directors.

As at the date hereof, the directors and officers of the Company as a group owned beneficially, directly or indirectly, or exercised control or discretion over an aggregate of 49,804,409 Common Shares, which is equal to approximately 13.85% of the issued and outstanding shares of the Company.

The following are brief profiles of the directors and officers of the Company:

**The Honorable Carl L. Clouter**, Director, Gander, Newfoundland.

Carl Clouter is a commercial pilot who owned a charter airline service in the Northwest Territories. Carl has been active in mineral exploration and prospecting carried out in conjunction with more than 40 years of flying throughout remote areas of Canada. Carl also served as a Sentencing Justice of the Peace and a member of the board for the mineral development assistance program for the Government of the Northwest Territories.

**Robin E. Goad, M.Sc., P.Geo.**, President, Chief Executive Officer, and Director, London, Ontario.

Robin Goad is the President and Chief Executive Officer of Fortune. He is a geologist with more than 35 years of experience in the mining and exploration industries. Prior to founding Fortune in 1988, Robin worked for large mining companies including Noranda and Teck, and as a consultant in the resource industry. Robin has previously been a director of other junior resource companies listed for trading on the TSX and TSX Venture Exchange and is currently a director of the Northwest Territories & Nunavut Chamber of Mines.

**Mahendra Naik**, CPA, CA, Chairman, Mississauga, Ontario.

Mahendra Naik is a Chartered Professional Accountant, and is a founding director and former key executive of IAMGOLD Corporation, a TSX and NYSE listed gold mining company. As Chief Financial Officer from 1990 to 1999, he led the negotiations of the Sadiola and Yatela mine joint ventures with Anglo American and the US\$400 million in project debt financings for development of the mines. In addition, he was involved in leading more than \$150 million in equity financings including the IPO for IAMGOLD. From 2000 to date, Mahendra continues as the director and member of the audit and compensation committees for IAMGOLD. In addition, Mahendra is a director and Chairman of audit, compensation and member of governance committees of Goldmoney Inc., a TSX listed precious metals financial services company with assets under custody in excess of \$1.9 billion. From 2017-2019, Mr. Naik was also a director and Chairman of the audit and Special committees for M2Cobalt Corporation.

**Edward Yurkowski, B.Sc., P.Eng.**, Director, Vancouver, British Columbia.

Edward Yurkowski retired as the Chief Executive Officer of Procon, which in addition to investing in resource companies is a full mining service provider through Procon Mining & Tunnelling Ltd., and served as a director and consultant for Procon until April 2018. Edward has been involved in the mining and civil contracting industries since 1966, including ownership and management of two large mining construction contracting companies. Edward received his Bachelor of Science in Civil Engineering in 1971 from the University of Saskatchewan and currently serves as a director of a number of other TSX and TSXV listed companies, including Imperial Metals Corp. and BC Moly Ltd.

**David Ramsay, B.A.,** Director, Yellowknife, Northwest Territories

David Ramsay is the President of RCS Limited, a government relations and management consulting firm and is also owner and CEO of Arctic Mineral Resources Limited, a private mineral/diamond exploration company. David previously served as a member of the Legislative Assembly for the GNWT as well as the Executive Council of the GNWT from 2011 to 2015, holding portfolios including Attorney General/Minister of Justice; Minister of Industry, Tourism and Investment; Minister Responsible for the NWT Business Development Corporation; Minister of Transportation; and Minister of the Public Utilities Board. In his capacity as Minister of Industry, Tourism and Investment, David led two trade missions to China and Japan focused on mining, diamonds, oil and gas and tourism. David is currently a director of Northern Gateway Consulting Ltd.

**Glen Koropchuk, B.Sc.,** Director, Calgary, Alberta

Glen Koropchuk is a mining engineer with ~30 years of global, multiple commodity, operations, project development and corporate social investment experience predominantly with Anglo American & De Beers Canada. Prior to his retirement from De Beers Canada Inc. in 2016, Glen was Chief Operating Officer and responsible for delivering safe, operational excellence from the Snap Lake and Victor diamond mines in Canada's north. Notably, he also led the permitting, Indigenous engagement, and project management for the Gahcho Kue diamond mine in the Northwest Territories.

**John W. McVey, M.A.Sc., P.Eng, ICD.D,** Director, Burnaby, British Columbia

John McVey is the CEO and an Executive Director of the Procon Group of Companies based in Burnaby, BC. His engineering and construction industry career spans more than 35 years in the mining, energy and power industries in Canada as well as internationally. John joined Procon as CEO in 2015 and is leading the growth and diversification of this experienced full-service mine development and civil infrastructure contractor across Canada and select international locations. Prior to Procon, John held executive and senior management positions with Bechtel, SNC-Lavalin and Kilborn Engineering.

**David A. Knight, B.A., LL.B.,** Corporate Secretary, Oakville, Ontario

David Knight is a partner with WeirFoulds LLP, a Canadian law firm. David specializes in all areas of securities law, including public and private financings, take-overs, stock exchange listings, mergers and acquisitions and regulatory compliance. He has extensive experience in the resource sector and acts for both investment dealers and resource companies. David also serves as a director of Freegold Ventures Limited. David is a member of the Law Society of Ontario and the Canadian Bar Association.

**David Massola, B.Sc. (Acc.), Vice President Finance & C.F.O.,** Toronto, Ontario

Dave Massola is an executive with three decades of international mining experience in a broad range of financial and business aspects, including strategic planning, mergers and acquisitions, capital raising, taxation, treasury and risk management. This includes 20 years with BHP-Billiton at the Escondida Copper Mine in Chile, the Island Copper Mine in British Columbia and the Ekati Diamond Mine in the Northwest Territories. As Vice President and C.F.O. of De Beers Canada, he contributed to the development of two diamond mines in northern Canada. Subsequently as Senior Vice President of Finance and C.F.O. of GlobeStar Mining, Dave was a key employee in the financing, construction and operations of GlobeStar's Cerro de Maimón Mine in the Dominican Republic and negotiated its subsequent sale. He was also the President and C.E.O. of Continental Nickel Ltd., while it was developing a mine in Tanzania, and led negotiations for its subsequent takeover. Dave is also the President and CEO of GoldQuest Mining Corp. listed on the TSX Venture Exchange.

**Richard Schryer, Ph.D., Vice President of Environmental & Regulatory Affairs,** Saskatoon, Saskatchewan

Rick Schryer is an aquatic scientist with more than 25 years of experience in mine permitting, environmental assessments, environmental studies and monitoring. Prior to Fortune, he worked with Golder Associates as an Associate involved in a number of mines, including the Diavik and Snap Lake diamond mines in the NWT.

### **Cease Trade Orders, Bankruptcies, Penalties or Sanctions**

Except as described below, no director or executive officer of the Company is, as at the date of this Annual Information Form, or was within 10 years before the date of this Annual Information Form, a director, chief executive officer or chief financial officer of any company (including the Company), that:

- (a) was subject to a cease trade order, an order similar to a cease trade order or an order that denied the relevant company access to any exemption under securities legislation for a period of more than 30 consecutive days that was issued while the director or executive officer was acting in the capacity as director, chief executive officer or chief financial officer, or
- (b) was subject to a cease trade order, an order similar to a cease trade order or an order that denied the relevant company access to any exemption under securities legislation for a period of more than 30 consecutive days that was issued after the director or executive officer ceased to be a director, chief executive officer or chief financial officer and which resulted from an event that occurred while that person was acting in the capacity as director, chief executive officer or chief financial officer.

Except as described below, no director or executive officer of the Company, and no shareholder holding a sufficient number of securities of the Company to affect materially the control of the Company:

- (a) is, as at the date of this Annual Information Form, or has been within the 10 years before the date of this Annual Information Form, a director or executive officer of any company (including the Company) that, while that person was acting in that capacity, or within a year of that person ceasing to act in that capacity, became bankrupt, made a proposal under any legislation relating to bankruptcy or insolvency or was subject to or instituted any proceedings, arrangement or compromise with creditors or had a receiver, receiver manager or trustee appointed to hold its assets, or
- (b) has, within 10 years before the date of this Annual Information Form, become bankrupt, made a proposal under any legislation relating to bankruptcy or insolvency, or become subject to or instituted any proceedings, arrangement or compromise with creditors, or had a receiver, receiver manager or trustee appointed to hold the assets of the director, executive officer or shareholder.

David Massola, the Chief Financial Officer and VP Finance of the Company, was formerly the Interim Chief Executive Officer, Executive Vice President and Chief Financial Officer at Colossus Minerals Inc. (“Colossus”) from October 2013 to April 2014. Colossus announced in January 2014 that it had filed a notice of intention to make a proposal under the Bankruptcy and Insolvency Act (Canada), which was intended to enable Colossus to pursue a restructuring process. Colossus’ proposal and plan of reorganization was approved by creditors on February 25, 2014 and, following the approval of the Ontario Superior Court of Justice in March 2014, was implemented by Colossus in April 2014. The Plan effectively converted all of Colossus’ outstanding debt, and its obligations under a precious metals stream agreement, into equity of the company.

### **Conflicts of Interest**

Some of the directors and officers of Fortune also serve as directors and/or officers of other companies and may be presented from time to time with situations or opportunities which give rise to apparent conflicts of interest which cannot be resolved by arm’s length negotiations but only through exercise by the directors and officers of such judgment as is consistent with their fiduciary duties to the Company which arise under Ontario corporate law, especially insofar as taking advantage, directly or indirectly, of information or opportunities acquired in their capacities as directors or officers of the Company. All conflicts of interest will be resolved in accordance with the appropriate business corporation statute. Any transactions with directors and officers will be on terms consistent with industry standards and sound business practices in accordance with the fiduciary duties of those persons to the



Issuer and, depending upon the magnitude of the transactions and the absence of any disinterested board members, may be submitted to the shareholders for their approval.

None of the current directors or officers of the Company, nor any associate or affiliate of the foregoing persons, has any material interest, direct or indirect, in any transactions of the Company or in any proposed transaction which, in either case, has or will materially affect the Company.

### **LEGAL PROCEEDINGS**

Fortune was not a party to any material legal proceedings during the financial year ended December 31, 2019. Fortune is not a party to and none of Fortune's properties is the subject of any current material legal proceedings.

### **INTEREST OF MANAGEMENT AND OTHERS IN MATERIAL TRANSACTIONS**

No director or executive officer of Fortune, no person or company that is the direct or indirect beneficial owner of or who exercises control or direction over more than 10 percent of Fortune's Common Shares, and no associate or affiliate of any of the foregoing, has or has had any material interest, direct or indirect, in any transaction during the three most recent financial years or during the current financial year that has materially affected or will materially affect the Company except for John McVey, who is the CEO and an Executive Director for Procon which invested in an equity financing by the Company in 2013. At the date hereof, Procon is a direct beneficial owner and exercises control or direction over approximately 10.28% of Fortune's Common Shares.

### **TRANSFER AGENTS AND REGISTRARS**

Computershare Investor Services Inc. at its principal office in Toronto is the registrar and transfer agent for the Common Shares.

### **MATERIAL CONTRACTS**

Fortune did not enter into any contract during the most recently completed financial year, and has not entered into any contract since January 1, 2002 that is still in effect, that may be considered material to Fortune, other than material contracts entered into in the ordinary course of business not required to be filed under National Instrument 51-102-*Continuous Disclosure Obligations*.

### **INTERESTS OF EXPERTS**

Certain disclosure with respect to the Company's properties contained herein or in other filings made by the Company under National Instrument 51-102 during, or relating to, the Company's most recently completed financial year is derived from reports prepared by Micon International Ltd. with Harry Burgess, P.Eng., Richard Gowans, P.Eng., Terrence Hennessey, P.Geo., Christopher Lattanzi, P.Eng., and Eugene Puritch, P.Eng. as the Qualified Persons. As at the date hereof, each of such persons owns directly or indirectly, less than 1% of the outstanding Common Shares of the Company and none of the outstanding stock options or Common Share purchase warrants.

BDO LLP, the Company's auditor, is independent in accordance with the applicable rules of professional conduct of the Institute of Chartered Accountants of Ontario.

### **AUDIT COMMITTEE**

The Company's Audit Committee is responsible for monitoring the Company's systems and procedures for financial reporting and internal control, reviewing certain public disclosure documents and monitoring the performance and independence of the Company's external auditors. The Audit Committee is also responsible for reviewing the Company's annual audited financial statements, unaudited quarterly financial statements and management's discussion and analysis of financial results of operations for both annual and interim financial statements and review of related operations prior to their approval by the full board of directors of the Company.

The Audit Committee's charter sets out the responsibilities and duties, qualifications for membership, procedures for committee member removal and appointments and reporting to the Company's board of directors. A copy of the charter is attached hereto as Schedule "A".

The members of the Company's current Audit Committee are David Ramsay, Edward Yurkowski, John McVey and Mahendra Naik. Each of Messrs. Ramsay, Yurkowski, McVey and Naik are "independent" and "financially literate" within the meaning of such terms as defined in Multilateral Instrument 52-110 – *Audit Committees*.

### **Relevant Education and Experience**

Set out below is a description of the education and experience of each Audit Committee member that is relevant to the performance of his responsibilities as an Audit Committee member:

<b>Name</b>	<b>Independent</b>	<b>Financially Literate</b>	<b>Relevant Education and Experience</b>
David Ramsay	Yes	Yes	Management and ownership experience in the mining industry Minister of various portfolios for the GNWT including Industry, Tourism and Investment
Edward Yurkowski	Yes	Yes	Management and ownership experience in the mining industry
John McVey	Yes	Yes	Management and ownership experience in the mining industry
Mahendra Naik	Yes	Yes	Chartered Professional Accountant, Chartered Accountant, with mining and investment industry experience

### **Pre-Approval Policies and Procedures**

The Audit Committee charter provides that all non-audit services by the Company's external auditors require pre-approval by the Audit Committee.

### **External Auditor Service Fees**

#### ***Audit Fees***

The aggregate audit fees billed by the Company's external auditors during the financial year ended December 31, 2019 were \$75,000 (2018 – \$75,000).

#### ***Audit-Related Fees***

The aggregate audit-related fees billed by the Company's external auditors during the financial year ended December 31, 2019 were \$8,138 (2018 - \$7,032). These billings relate to disbursements and CPAB fees.

#### ***Tax Fees***

The aggregate tax fees billed by the Company's external auditors during the financial year ended December 31, 2019 were \$15,000 (2018 – \$15,000). These billings relate to the preparation of the December 31, 2018 income tax returns of the Company and its subsidiary and associated companies.

#### ***All Other Fees***

There were no other fees billed by the Company's external auditors during the financial years ended December 31, 2019 and 2018.

## **ADDITIONAL INFORMATION**

Additional information relating to the Company may be found on SEDAR at [www.sedar.com](http://www.sedar.com).

Additional information, including directors' and officers' remuneration and indebtedness, principal holders of the Company's securities, and securities authorized for issuance under equity compensation plans is contained in the Company's information circular for its most recent annual meeting of shareholders. Additional financial information is provided in the Company's audited consolidated financial statements and management's discussion and analysis for its most recently completed financial year ended December 31, 2019.

## **SCHEDULE “A” - AUDIT COMMITTEE CHARTER**

- **Composition**
  - The audit committee (the “Committee”) will be composed of three directors, all of whom are “financially literate” and “independent”, as such terms are defined in *Multilateral Instrument 52-110 – Audit Committees* (the “Audit Committee Rule”). A quorum will be two directors.
  - Members will have a one-year renewable term with no more than two members rotating in a given year.
  - Any member may be removed and replaced at any time by the Board and will automatically cease to be a member of the Committee as soon as such member ceases to be a director. The Board may fill vacancies in the Committee by election from among the members of the Board to hold office until the next annual meeting of shareholders of the Corporation. If and whenever a vacancy exists on the Committee, the remaining members may exercise all its powers so long as a quorum remains in office.
  - One member shall be appointed Committee chair by the Board.
- **Authority**
  - The Committee has the authority to investigate any activity of the Corporation. The Committee shall be granted unrestricted access to all information that it considers necessary to carry out its duties and all employees are to co-operate as requested by the Committee.
  - The Committee has the authority to: (i) engage independent counsel and such other advisors as it determines necessary to carry out its duties, (ii) set and pay the compensation for any advisors employed by it; and (iii) communicate directly with the internal and external auditors.
- **Meetings**
  - The Committee will meet regularly at such times as it considers necessary to perform the duties described herein, but not less than four times per year. At minimum, the meetings will be scheduled to permit review of the quarterly and annual financial statements and reports. Additional meetings may be held as deemed necessary by the chair of the Committee or as requested by any member or the external auditor.
  - Minutes of each meeting will be prepared by the person designated by the Committee to act as secretary and will be provided to the Secretary of the Corporation for retention.
- **Reporting**
  - A summary of all meetings of the Committee is to be provided to the Board. Oral reports by the chair on matters not yet minuted are to be provided to the Board at its next meeting.
  - Supporting schedules and information reviewed by the Committee will be available for examination by any director upon request to the Secretary of the Corporation.
- **Responsibilities**
  - The responsibilities of the Committee are as follows:
    - To satisfy itself that the Corporation has implemented appropriate systems to identify, monitor and mitigate significant business risks and compliance matters.
    - To satisfy itself that the Corporation has implemented appropriate systems of internal control to ensure compliance with legal, ethical and regulatory requirements and that these systems are operating effectively.
    - To satisfy itself that the Corporation has implemented appropriate systems of internal control to ensure compliance with its policies and procedures and that these systems are operating effectively.

- To satisfy itself that the Corporation has implemented appropriate systems of internal control over financial reporting and that these systems are operating effectively.
  - To satisfy itself that the policies and procedures for the approval of senior management's expenses, perquisites, remuneration and use of the organization's assets are regularly reviewed, compliance with conflict of interest policies are monitored, and procedures to monitor transactions between officers and the organization and to assess the adequacy of insurance coverage are regularly reviewed.
  - To satisfy itself that the Corporation's annual and interim financial statements are fairly presented in all material respects in accordance with generally accepted accounting principles, the selection of accounting policies is appropriate and annual financial statements are approved by the Board.
  - To review the Corporation's interim and annual financial statements, management's discussion and analysis disclosure ("MD&A") and all earnings press releases before any public disclosure thereof by the Corporation.
  - To satisfy itself that adequate procedures exist for disclosure of financial information extracted or derived from financial statements, other than the public disclosure referred to directly above, and periodically assess those procedures.
  - To ensure that the financial information contained in the Corporation's quarterly reports, annual report to shareholders, MD&A, annual information form, prospectuses and other documents is accurate and complete and fairly presents the financial position and the risks of the Corporation.
  - To establish and review procedures for the receipt, retention and treatment of complaints received regarding accounting, internal accounting controls or auditing matters.
  - To establish and review procedures for the confidential and anonymous submission by employees of concerns about questionable accounting or auditing matters.
  - To annually review the performance of the Committee and report to the Board thereon.
  - To review and reassess the adequacy of this charter on a regular basis and submit any proposed revisions to the Board for consideration and approval.
  - To recommend to the Board (i) the external auditor to be nominated for election by shareholders, and (ii) the compensation of the external auditor.
  - To confirm the independence of auditors, which will require receipt from the auditor of a written statement delineating all relationships between the auditors and the Corporation and that might affect the independence of the auditors.
  - To take direct responsibility for overseeing the work of the external auditor engaged for the purpose of preparing or issuing an auditor's report or performing other audit, review or attest services for the Corporation, including the resolution of disagreements between management and the external auditor regarding financial reporting. In carrying out any such services, the external auditor shall report directly to the Committee.
  - To ensure that the external audit function has been effectively carried out and any matter that the external auditor wishes to bring to the attention of the Board has been given adequate attention.
  - To pre-approve all non-audit services to be performed by the external auditor, provided that the Committee may delegate to one or more of its members the authority to pre-approve such services and provided further that the pre-approval of any non-audit services by any member to whom such authority has been delegated must be presented to the Committee at its first scheduled meeting following such pre-approval.
  - To review and approve hiring policies regarding partners, employees and former partners and employees of the present and former external auditor.
- The Committee will inquire into any other matters referred to it by the Board.

## SCHEDULE “B” - GLOSSARY OF MINING TERMS

The following is a glossary of terms used in this Annual Information Form or in documents incorporated herein by reference.

<b>“autoclave”</b>	Processing equipment using an oxidation process in which high temperatures and pressures are applied to convert refractory sulphide mineralization into amenable oxide ore.
<b>“baseline”</b>	A surveyed condition and reference used for future surveys generally for determining changes from the original condition.
<b>“base metal”</b>	A metal such as copper, lead, nickel, zinc or cobalt, of comparatively low value and relatively inferior in certain properties (such as resistance to corrosion) compared to noble metals such as gold, silver or platinum.
<b>“coal licenses”</b>	A form of license under the <i>Coal Act</i> (British Columbia) granting exclusive rights to explore for coal.
<b>“deposit”</b>	A mineralized body which has been physically delineated by sufficient drilling, trenching, and/or underground work, and found to contain a sufficient average grade of metal or metals to warrant further exploration and/or development expenditures; such a deposit does not qualify as a commercially mineable ore body or as containing mineral reserves, until final legal, technical and economic factors have been resolved.
<b>“development”</b>	The preparation of a known commercially mineable deposit for mining.
<b>“doré”</b>	A mixture of gold and silver, with minor other constituents, produced by smelting the material from the electrowinning cells. Doré requires further refining, generally not done at a mine site, to yield gold and silver.
<b>“environmental assessment” or “EA”</b>	Examination of a development proposal’s potential to cause environmental, social and economic effects and the proposed mitigation to those effects.
<b>“feasibility study”</b>	Engineering study that is designed to define the technical, economic and legal viability of the mineral project with a high calibre of reliability, contains detailed supporting evidence, and has a firm conceptual framework which can be used for more detailed construction designs and drawings. The study is of sufficient detail and accuracy to be used for the decision to proceed with the project and for financing.
<b>“flotation”</b>	A process of concentration in which levitation in water of particles heavier than water is obtained with the use of chemical reagents, typically used in processing of coal or sulphide minerals with the aid of a reagent and the desired product becomes attached to air bubbles in a liquid medium and floats as a froth.
<b>“flow sheet”</b>	A diagram of a sequence of processes in the treatment of metals.
<b>“footprint”</b>	The land or water area covered by a project. This includes direct physical coverage (i.e., the area on which the project physically stands) and direct effects (i.e., the disturbances that may directly emanate from the project, such as noise).
<b>“grade”</b>	The quality of an ore or metal content.
<b>“hydrometallurgical”</b>	Pertaining to the treatment of ores, concentrates and other metal-bearing materials by wet processes, usually involving the solution of some component, and its subsequent recovery from the solution.
<b>“internal rate of return” or “IRR”</b>	A method used to analyze investments which reflect and account for the time value of money. The IRR is the discount rate which makes the net present value of all-future cash flows (positive and negative) equal to zero. When the IRR is greater than the required rate of return – called hurdle rate in capital budgeting – the investment is acceptable.
<b>“land use permit”</b>	A permit that allows the use of land for activities related to a project. It defines the terms and conditions that govern the activities allowed under the permit.
<b>“leach”</b>	The process of extracting minerals from a solid by dissolving them in a liquid, either

	in nature or through an industrial process.
<b>“mineralization”</b>	A concentration of minerals within a body of rock.
<b>“mineral reserves”</b>	A <i>mineral reserve</i> is the economically mineable part of a measured or indicated mineral resource demonstrated by at least a preliminary feasibility study. This study must include adequate information on mining, processing metallurgical, economic and other relevant factors that demonstrate, at the time of reporting, that economic extraction can be justified. A mineral reserve includes allowances for dilution and losses that may occur when the material is mined.
<b>“mineral resources”</b>	<p>A <i>mineral resource</i> is a concentration or occurrence of natural, solid, inorganic or fossilized organic material in or on the earth’s crust in such form and quantity and of such a grade or quality that it has reasonable prospects for economic extraction. The location, quantity, grade, geological characteristics and continuity of a mineral resource are known, estimated or interpreted from specific geological evidence and knowledge.</p> <p><i>measured resources:</i> A measured resource is that part of a mineral resource for which quantity, grade or quality, densities, shape, physical characteristics are so well established that they can be estimated with confidence sufficient to allow the appropriate application of technical and economic parameters, to support production planning and evaluation of the economic viability of the deposit. The estimate is based on detailed and reliable exploration, sampling and testing information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes that are spaced closely enough to confirm both geological and grade continuity.</p> <p><i>indicated resources:</i> An indicated resource is that part of a mineral resource for which quantity, grade or quality, densities, shape and physical characteristics, can be estimated with a level of confidence sufficient to allow the appropriate application of technical and economic parameters, to support mine planning and evaluation of the economic viability of the deposit. The estimate is based on detailed and reliable exploration and test information gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes that are spaced closely enough for geological and grade continuity to be reasonably assumed.</p> <p><i>inferred resources:</i> An inferred resource is that part of a mineral resource for which quantity and grade or quality can be estimated on the basis of geological evidence and limited sampling and reasonably assumed, but not verified, geological and grade continuity. The estimate is based on limited information and sampling gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes.</p> <p><i>speculative resources:</i> A resource classification unique to coal with a relatively low degree of geological assurance based on extrapolation of a few data points over large distances, restricted to regions where extensive coal exploitation has not yet taken place.</p>
<b>“mineral claim”</b>	That portion of public or private mineral lands which a party has staked or marked out in accordance with federal, provincial or state mining laws to acquire the right to explore for and exploit the minerals under the surface.
<b>“net present value” or “NPV”</b>	A method used to evaluate the difference between the present value of all estimated cash inflows and outflows of an investment using a given rate of discount. Generally the discount rate reflects the marginal cost of capital of a company or a hurdle rate. If the discounted cash inflows exceed the discounted outflows, the investment is considered economically feasible.
<b>“net smelter return” or “NSR”</b>	The net amount received from the sale of metal products produced from a property after deducting all freight and downstream treatment charges from processing to saleable metal products, but excluding mining, milling and general administrative expenditures.

<b>“pilot plant”</b>	A small chemical processing system which is operated to generate information about the behavior of the system for use in design of larger facilities.
<b>“stope”</b>	An underground excavation formed by the extraction of ore.
<b>“sulphide”</b>	An anion (an ion with more electrons than protons, giving it a net negative charge) of sulfur in its lowest oxidation number of $-2$ .
<b>“sulphide mineral” or “sulphide concentrate”</b>	A mineral or concentrate containing sulphide as its major anion.
<b>“tailings”</b>	Material rejected from a mill after most of the recoverable valuable minerals have been extracted. Normally consists of ground up rock in the sand to silt size range.
<b>“waste rock”</b>	All rock materials, except ore and tailings, that are produced as a result of mining operations.