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MINES LTD

## **Forward-Looking & Cautionary Statements**

This presentation contains forward-looking statements and forward-looking information (collectively, "forward-looking statements") within the meaning of applicable Canadian and US securities legislation. All statements, other than statements of historical fact, included herein including, without limitation, statements regarding the potential for the Livengood mine to become one the largest producing gold mines in North America; the potential for the expansion of the estimated resources at Livengood, including by improving the classification of inferred material through additional drilling, drilling deeper to develop material below the current grade model bottom and conducting additional testwork to confirm a higher resource grade; the potential to optimize the Livengood project by a more aggressive stockpile management strategy, development of an optimum scale for the project, use of an intensive cyanide leach reactor and reduction of reagent consumption and pricing; the mine development timeline; the potential for a production decision to be made regarding Livengood; the potential commencement of any development of a mine at Livengood following a production decision; anticipated annual and aggregate gold production following development of a mine at Livengood; the resource expansion potential of future exploration targets on the Company's land package; job creation and the impact on local economies and community support are forward-looking statements. Information concerning mineral resource estimates, the preliminary economic analysis thereof and operating metrics related thereto, also may be deemed to be forward-looking statements in that it reflects a prediction of the mineralization that would be encountered, and the results of mining it, if a mineral deposit were developed and mined. Forward-looking statements are based on a number of assumptions which may prove incorrect, including, but not limited to, assumptions about the level and volatility of the price of gold; the timing of the receipt of regulatory

Accordingly, the Company cautions that any forward-looking statements are not guarantees of future results or performance, and that actual results may differ, and such differences may be material, from those set out in the forward-looking statements as a result of, among other factors, variations in the nature, quality and quantity of any mineral deposits that may be located, the Company's inability to obtain any necessary permits, consents or authorizations required for its activities, material adverse changes in economic and market conditions, changes in the regulatory environment and other government actions, fluctuations in commodity prices and exchange rates, the inability of the Company to raise the necessary capital for its ongoing operations, and business and operational risks normal in the mineral exploration, development and mining industries, as well as the risks and uncertainties disclosed in the Company's most recent Annual Information Form filed with certain provincial securities commissions in Canada and in the Company's most recent Form 10-K and Forms 10-Q filed with the United States Securities and Exchange Commission, available at www.sedar.com and www.sec.gov, respectively. The Company undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after the date of this presentation or to reflect the occurrence of unanticipated events except as required by law. All subsequent written or oral forward-looking statements attributable to the Company or any person acting on its behalf are qualified by the cautionary statements herein.

This presentation contains information with respect to adjacent or similar mineral properties in respect of which the Company has no interest or rights to explore or mine. Readers are cautioned that the Company has no interest in or right to acquire any interest in any such properties, and that mineral deposits on adjacent or similar properties are not indicative of mineral deposits on the Company's properties.

Scientific or technical information contained herein is derived from the independent NI 43-101 technical reports which include more detailed information with respect to the Company's properties, including the dates of such reports and the estimates included therein, details of quality and grade of each resource, details of the key assumptions, methods and parameters used in the resource estimates, a general discussion of the extent to which the resource estimates and the other estimates and projections included in the reports may be materially affected by any known environmental, permitting, legal, taxation, socio-political, marketing, or other relevant issues and you are urged to review such reports in their entirety. The Company's feasibility study discussed herein includes inferred mineral resources that are considered too speculative geologically to have economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that all or any part of universal reserves. Investors are cautioned not to assume that all or any part such inferred mineral resources exist, or are economically or legally mineable. Mineral resources that are not mineral reserves do not have any demonstrated economic viability.

The Company uses certain terms in this presentation, such as "resources," "indicated" and "inferred" that are defined in, and required to be disclosed by, NI 43-101 but that the SEC's guidelines strictly prohibit U.S. registered companies from including in their fillings with the SEC. Accordingly, the Company's disclosures regarding mineralization may not be comparable to similar information disclosed by US registered companies that are not subject to NI 43-101. You are urged to consider closely the disclosure in the Company's latest 10-K annual report, which may be secured from the Company, or from the SEC's website at <a href="https://www.sec.gov">www.sec.gov</a>.

Note: All monetary values are USD unless otherwise stated



## **Livengood Gold Project - A Significant Resource**

**20** million ounces

One of the largest undeveloped resources in the world

**100%** owned

Partnership opportunity

>150 years

Experienced and proven development teams





# **Resource and Reserves Summary**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

## **World Class Gold Deposit**

<b>Resource Classification</b>	Tonnes 000's	g Au/t	Au Ounces 000's
(0.30 g/t cutoff)			
Measured & Indicated	802,000	0.61	15,700
Inferred	266,000	0.52	4,400
Reserve Classification (\$1,500/oz Gold Price)	Tonnes 000's	g Au/t	Au Ounces 000's
	Tonnes 000's 434,493	g Au/t 0.689	<u>Au Ounces 000's</u> 9,622
(\$1,500/oz Gold Price)			



## **Mineral Resource**



## Well Defined Resource - Open Laterally and at Depth

- One of the largest independent and undeveloped gold resources in the world with over 20 million ounces of gold.
- ✓ Potential to become one of the largest producing gold mines in North America.
- √ 792 drill holes totaling 714,900 feet define the resource.



## **Favorable Jurisdiction & Exceptional Infrastructure**

- √ 70 miles northwest of Fairbanks, Alaska.
- Located next to year round paved highway, pipeline and fiber optic corridor, and only 50 miles from grid power.
- Alaska has a history of mining development with a well-defined permitting path.
- ✓ State land use plan for Livengood district designates mining as the primary surface use.
- Access to a highly skilled work force.
- Experienced and proven development team – played key roles in:
  - Fort Knox.
  - Pogo.
  - Alaska's mine permitting process.





## **Current Mining in Alaska**

#### **Red Dog Mines (NANA)**

- Operation since 1989
- Zinc-lead mine top producer of zinc concentrate

### **Fort Knox (Kinross)**

- Operation since 1996
- Surface gold mine produced >5,000,000 oz

### Pogo (Sumitomo)

- Operation since 2006
- Underground gold mine produced >2,000,000 oz

#### Usibelli

- Operation since 1943
- Only Alaskan producing >2,000,000 tons of coal annually

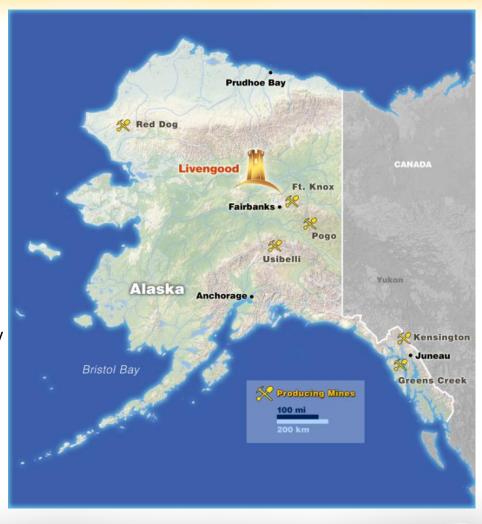
### **Kensington (Coeur)**

- Operation since 2010
- Underground gold mine

### **Greens Creek (Hecla)**

- Operation since 2011
- Underground silver mine top silver producer in US

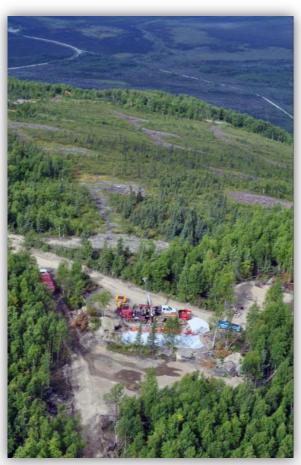
(Note: The above information is taken from public sources and is not independently verified. None of the foregoing information is indicative of the nature of the deposit(s) at Livengood.)





# **Summary of Feasibility Results**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013



OPERATING METRICS: 100,000 TPD		
Mine Plan	Years 1-14	Years 1-5
Strip Ratio – Waste to Ore	1.34:1	1.54:1
CAPEX - Initial	\$2.790 Billion	\$2.790 Billion
CAPEX - Sustaining	\$667 Million	\$387 Million
Gold Recovery	80.3%	82.2%
Head Grade	0.69 g/tonne	0.83 g/tonne
Total Ounces Produced	8,086,400 ounces	3,492,500 ounces
Average Annual Production	577,600 ounces	698,500 ounces
OPEX	\$1,030/ounce	\$885/ounce
All-In Cost After Tax (CAPEX +OPEX)	\$1,474/ounce	\$1,292/ounce



# Feasibility Study - Defines Flowsheet

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

Trade Off Study confirmed Gravity Recovery/ Whole Ore CIL of Gravity Tailings had improved economics over Gravity/Flotation/CIL Flotation Concentrate. Whole Ore CIL improves overall gold recovery by 9-12%.

- The average gravity gold recovery was approximately 40% of all gold recovered.
- Processing circuit: Gyratory Crusher, Wet Grinding - single SAG Mill and two Ball Mills, Gravity Recovery, Whole Ore CIL.
- ✓ LOM Recovery: 80.3%.

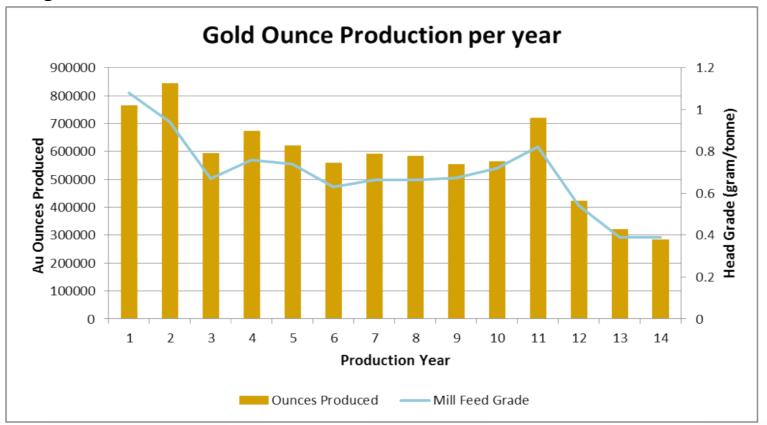
Overall Gold Recovery of Optimization Samples		
Rock Type	Gravity + CIL	Gravity + Flotation + CIL
Cambrian	84.2%	-
Sunshine Upper Sediments	87.7%	76.1%
Upper Sediments	76.7%	67.4%
Volcanics	84.8%	74.4%
Lower Sediments (bleached)	58.2%	-



## **Gold Production**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

## Average Annual Gold Production: Years 1-5: 698,500 oz; Years 6-11: 641,900 oz



LOM Production: 8,086,400 oz

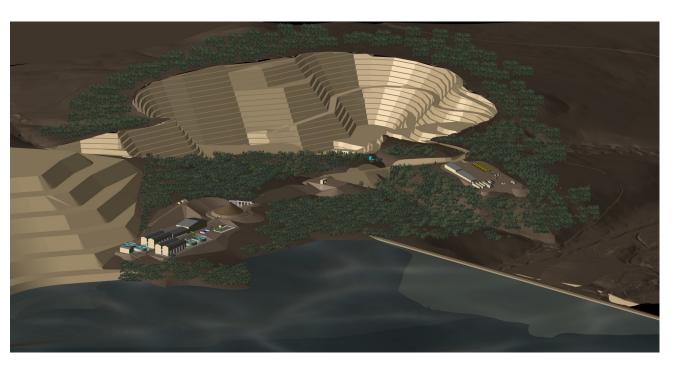


# **Project Infrastructure**

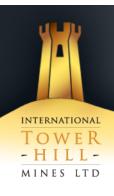
NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

# The Project infrastructure includes:

- Mine and Mill
- Lined tailings management facility
- ✓ Two water reservoirs
- Administration office/ shop/camp warehouse/complex
- Power supply and 50 mile transmission line

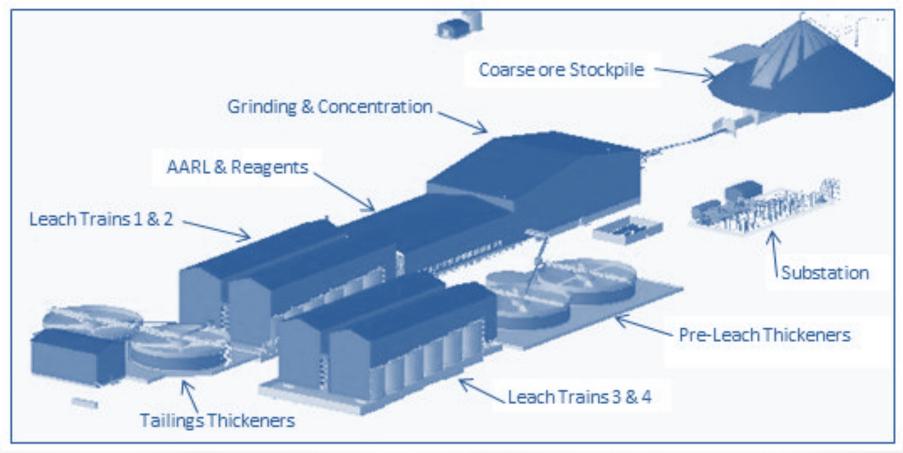


Rendering of project infrastructure.



## **Process Facilities**

## **100,000 TPD Gravity/CIL Recovery Plant**





# **Capital Costs**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

	\$ Million	
	Initial	Sustaining
Process Facilities	\$ 1,119	\$ 26
Infrastructure Facilities	708	506
Power Supply	129	-
Mine Equipment	189	126
Mine Development	177	-
Other Owners Costs	166	9
Contingency	271	-
<b>Subtotal Before Reclamation</b>	2,758	667
Funding of Reclamation Trust Fund (1)	32	226
Total	\$ 2,790	\$ 893
(1) Includes initial funding and trust fund contributions, total \$353 Million estimated costs.		

<sup>(1)</sup> Includes initial funding and trust fund contributions, total \$353 Million estimated costs. The difference of \$95 Million is assumed trust fund earnings.



# **All-In Sustaining Costs of Production**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

	\$/Ounce	LOM (\$Million)
On-Site Mine Operating Costs	\$ 933	\$ 7,543
Royalties	45	362
Third-Party Smelting, Refining and Transport Costs	9	75
Sub-Total	987	7,980
Reclamation & Remediation	43	353
Sub-Total Production Cost Before Capital	1,030	8,333
Capital Expenditures (initial and sustaining)	416	3,367
All-In Costs – Pre-Tax	1,447	11,700
Mining and Income Taxes	27	220
All-In Costs – After-Tax	\$ 1,474	\$ 11,920

Non-GAAP measure, per World Gold Council Guidance



## **FS Updates The PEA**

- ✓ FS is based on significant drilling, metallurgical and engineering findings.
- ✓ The PEA used the limited information available at the time.
- ✓ The configuration determined to be most appropriate for the Project was different from the PEA due to new design parameters based on more detailed information from the FS. Significant changes are summarized below:

### **CAPEX**

Mining Rate and Equipment Fleet Size
Mill Process Flowsheet
Tailing Management System
Water Storage System
Power Supply
Construction Unit Rates and Indirects

### **OPEX**

Reagent Price Increase Reagent Use Higher Power Rates Up



## **Next Steps**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

# Management is currently focused on:



- Reviewing opportunities as identified in the Feasibility Study:
  - Optimization and Reducing Project Cost
  - Stockpiling to Improve Mill Head Grade
  - Resource Expansion
  - Higher Resource Grade
  - Higher Recovery
  - Lower Reagent Consumption
- Maintaining necessary environmental baseline activities to advance permitting process.
- ✓ Advancing ongoing discussions with potential strategic alliance partners.
- Conserving cash while maintaining the asset.
- ✓ Support State of Alaska efforts to lower energy costs



## **Opportunities – Optimization of Project**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

## **Optimization and Reducing Project Cost**

Pursue mill throughput and capital cost studies to confirm the optimum scale for the project.

### **Stockpiling To Improve Mill Head Grade**

Opportunity to enhance mill head grades in early years by a more aggressive stockpile management strategy than is assumed in the feasibility study.

## **Resource Expansion**

- ✓ The FS pit contains over 44 million metric tonnes of inferred material that is above cutoff grade.
  - Additional drilling may improve the classification of this material to measured and indicated.
- The FS pit extends to the bottom of the current grade model.
  - Deeper drilling is warranted to develop material below the current grade model bottom.



## **Opportunities – Improved Head Grade**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

## **Higher Resource Grade**

- Metallurgical testing has consistently shown higher calculated head grades compared to the average assay obtained from composited drill core assays that make up the metallurgical test samples.
- Coarse gold in deposit.
- ✓ A significant amount of information suggests the actual resource grade may be 10-15% higher than the drill hole assays.
- ✓ Additional testwork with larger samples may confirm a higher resource grade.



## **Opportunities – Higher Recovery and Lower Reagents**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

### **Higher Recovery**

- ✓ 1-3% improvement in overall gold recovery may be achievable if an intensive cyanide leach reactor is used in place of the shaking tables.
- Potential space savings and operational improvements.

### **Lower Reagent Consumption**

Opportunity to reduce reagent consumption and pricing.



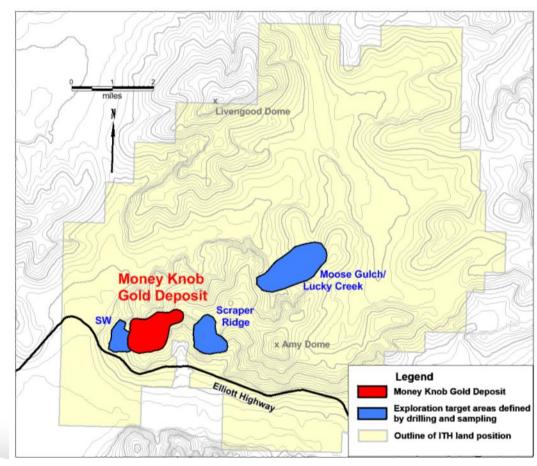
## **Excellent Exploration Potential**

Additional gold mineralization has been found outside the Livengood deposit and represents significant resource expansion potential.

## **Future Exploration Targets:**

- ✓ SW Zone
- ✓ Scraper Ridge
- ✓ Deep Money Knob Deposit
- ✓ Moose Gulch/Lucky Creek

Current resource covers approximately one square mile of a 75 square mile land package.





## **Continuous Environmental Baseline Studies**



Continuing environmental baseline studies, ongoing since 2008 including:

- Rock Characterization.
- Geohydrology.
- ✓ Surface Water & Hydrology.
- ✓ Meteorology & Air Quality.
- ✓ Wetlands & Vegetation.
- ✓ Aquatic Studies.
- ✓ Wildlife & Habitat Studies.
- Cultural Resources.

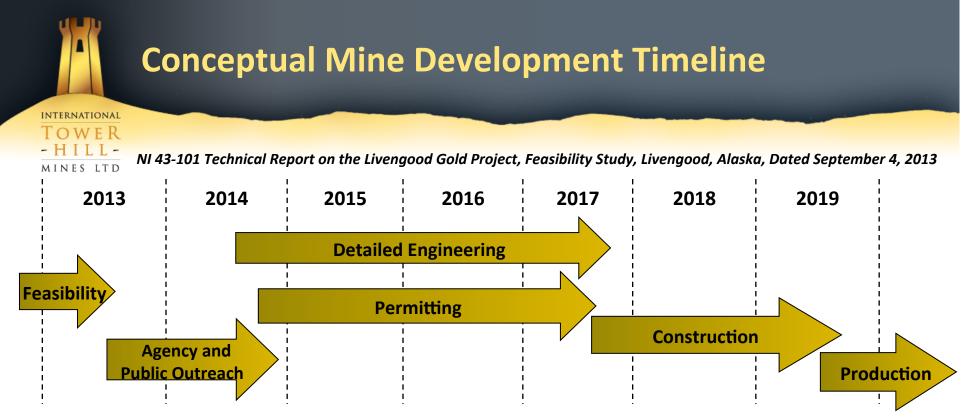


## **Community Support and Benefits**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013



- ✓ Project would provide a major boost for Fairbanks and interior Alaska region economies.
- Nearby community supporters encourage mining in the area.
- Anticipated to provide long term Alaskan jobs:
  - Construction ~1020 jobs for ~2 years
  - Operations ~425 jobs for ~14 years



A strategic alliance partner would allow the project to advance per the above schedule. The Company cautions that it has not demonstrated that it will be economically viable to build and operate a mine at Livengood and that it is not in a position at this time to make, nor has it made, a production decision. Accordingly, there is a significant risk that the Company will not be able to economically build or operate a mine at Livengood, and that it will not, therefore, make a decision to commence the building of a mine at Livengood. Even if a production decision is made, there can be no assurance that the Company would be able to build a mine at Livengood within the projected timeframe, or at all.

September 4. 2013 Report	<u>Key State of Alaska Permits</u>	Construction
Optimization Studies	Plan of Operations	Pre-production Development
Project Design Optimization	Reclamation/Closure Plan	Water Storage Facility
Analysis of Alternatives	Solid Waste Permit	Mill Facilities, Pipelines
Key Federal Permits and Process	Air Quality Permit	Tailings Storage Facility
BLM 3809 Plan of Operations		Power Line & Substations
USACE 404 Wetlands Permit		Rock and Overburden Storage Areas
Environmental Impact Study		Shops, Offices, Warehouse



## **Investment Opportunity**

## **Livengood Gold Project**

- ✓ Leveraged to Gold Price
- **Size:** One of the largest independent and undeveloped deposits in the world, with over 20 million ounces of gold. Measured and indicated 802 MT at 0.61 g/t gold (15.7 million oz contained) and inferred 266 MT at 0.52 g/t gold (4.4 million oz. contained), both at 0.30 g/t cut-off; supported by 792 drill holes.
- ✓ **Location:** Livengood Mining District has seen active mining since 1914 and mining has been designated the primary surface use by the State of Alaska land use plan.
- ✓ **Infrastructure:** Located next to all season paved highway, pipeline and fiber optic corridor, and only 50 miles from grid power.
- ▼ Team: Strong management team with experience in North American project permitting, construction, and operation. Managers have played key roles in developing major successful mines in Alaska, including Fort Knox and Pogo.



## **Share Structure & Cash**

### TSX: ITH - NYSE MKT: THM

(as of September 12, 2013)

Issued & Outstanding Shares		98,068,638
Shares Fully Diluted		104,811,638
Cash (as of June 30, 2013)		\$19.9 Million
Top 3 Institutional Shareholders	Shares Held	%
Tocqueville Asset Management LP	16,820,871	17.2
AngloGold Ashanti	11,073,323	11.3
Paulson & Company	8,908,000	9.1
42 Institutional Owners hold 52% of ITH		



# **Management Team**

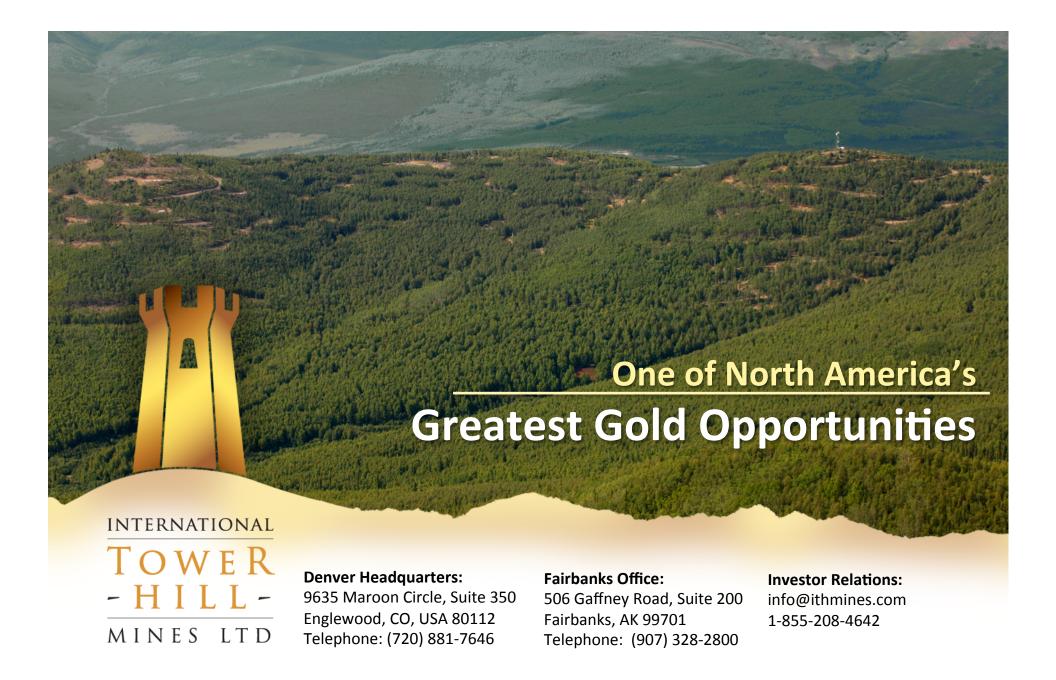
## **Track Record of Large Mine Development and Permitting Success**

Don Ewigleben CEO & President	+35 years of experience in the mining industry, having held senior positions at large international producers and smaller public companies with exploration and development projects. His career has included roles overseeing mergers & acquisitions, legal, regulatory, environmental and government affairs, including multiple projects in Alaska.
Tom Yip CFO	+25 years of financial management experience including strategic planning, M&A, treasury and capital structure, reporting and risk management with publicly traded resource companies such as Silver Standard Resources Inc., ASARCO LLC and Echo Bay Mines Ltd.
<b>Tom Irwin</b> Vice President	+35 years in the natural resource industry. Served as Commissioner of the Alaska Department of Natural Resources under three Governors. Previously, V.P. Fairbanks Gold Mining, Inc. responsible for engineering and project design at Kinross's Fort Knox Mine and held positions as the mine's Start up Manager and General Manager. Also served as General Manager of Amax Gold's Sleeper Mine and AMAX's Climax Mine.
<b>Karl Hanneman</b> <i>General Manager, Alaska</i>	+30 years in the Alaska mining industry. Served as Alaska Regional Manager with Teck during exploration, development, and permitting of the Pogo Gold Mine. Also provided strategic guidance on issues related to the Red Dog Mine as the senior corporate representative in Alaska for Teck.
<b>Chris Puchner</b> <i>Chief Geologist</i>	+30 years of North American exploration experience focusing on resource and mine development in Alaska, the western US and Mexico. As VP of Exploration he managed initial development work on Nixon Fork Gold mine in Alaska as well as led a mineral potential assessment effort for Doyon Alaska Native Corp. on their Alaska mineral lands. Doyon is largest private landholder in the state.



# **Board of Directors**

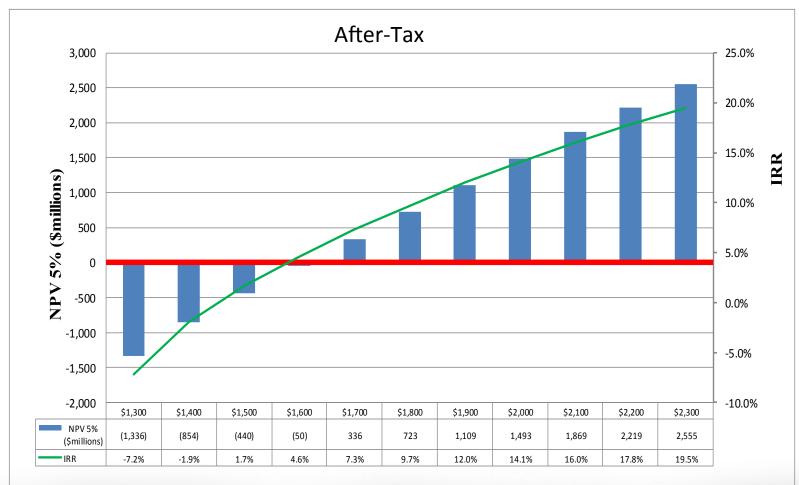
Daniel A. Carriere Chairman	Instrumental in the development/financing of small to medium capitalized companies, private and public in North America. A founding partner of Corriente Resources Inc. and director of ID Biomedical Corporation.
Anton J. Drescher	President of Westpoint Management Consultants Ltd., which provides tax and accounting consulting services for business reorganizations. He is also a director of Dorato Resources Inc. and Trevali Mining Corporation.
Donald C. Ewigleben	Over 35 years of experience in the mining industry, having held senior positions at large international producers and smaller public companies with exploration and development projects.
Timothy J. Haddon	President of International Natural Resource Management Co., a mining industry consulting service provider and investor. Currently serves as the lead director for Thompson Creek Metals Inc. and as a director on a select number of private boards.
Mark R. Hamilton	Retired U.S. Army Major General following 31 years of active military duty, primarily in the fields of teaching, management and administration. He was the past president of the University of Alaska System and he currently serves on the BP Advisory Board.
Roger R. Taplin	Partner in McCarthy Tétrault's Business Law Group and is the co-leader of the Global Mining Group. Experience includes advising on significant mining M&A transactions, including takeover bids.
Thomas S. Weng	Over 22 years experience in the financial services sector. Currently Co-Founding Partner of Alta Capital Partners, a provider of investment banking services. Previously he was a Managing Director at Deutsche Bank and Head of Equity Capital Markets for Metals and Mining throughout the Americas and Latin America.



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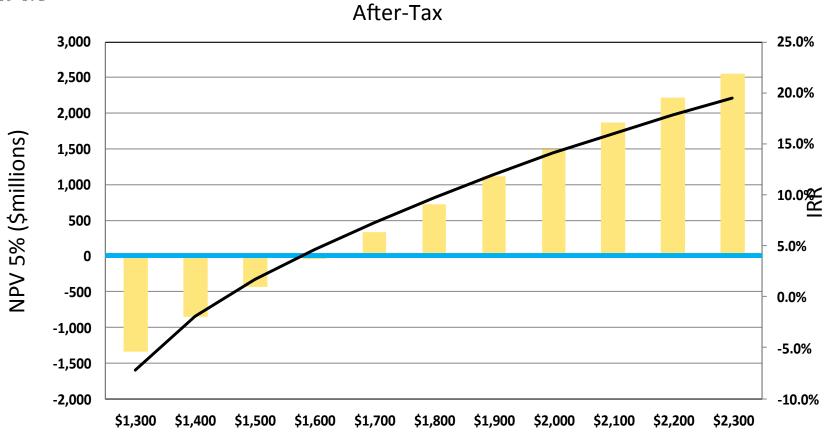


# **Leveraged to the Price of Gold**





# **Leveraged to the Price of Gold**





## **Project Risks**

NI 43-101 Technical Report on the Livengood Gold Project, Feasibility Study, Livengood, Alaska, Dated September 4, 2013

The following risks have been identified in the Feasibility Study and will need to be managed appropriately to de-risk and prevent possible delays in the execution schedule and potential increases in project cost:

- Large earthworks quantity.
- Actual subsurface ground conditions encountered during construction may be different than found during drilling.
- ✓ Large area of liner installation at the Tailings Management Facility Starter embankment (placement of approximately 38 Mft² of Linear Low Density Polyethylene Liner LLDPE).
- Seasonal sensitivity of project construction decisions.
- Prior to a construction decision, a combination of market variables and the multiyear permitting process that must be completed will determine the actual project release date.