#### KGHMI "Status" Presentation

**Purpose**: Introduce KGHM International & provide overview of the Victoria Advanced Exploration Project

**Expectation**: You will have an understanding of the:

- Overall project scope & schedule
- Phases of the project
- Current status of the project

#### In & Out of Scope

1111	in & Out of Scope						
	IN	Out					
•	Project Phases	<ul> <li>Detailed Mine Design</li> </ul>					
	<ul> <li>Advanced Exploration</li> </ul>	<ul> <li>Commercial terms</li> </ul>					
	<ul> <li>Production Expansion</li> </ul>	<ul> <li>Processing</li> </ul>					
•	Geoscience & Metallurgy	<ul> <li>Financials</li> </ul>					
•	Stakeholder Status						
•	Advanced Exploration Shaft						
	<ul> <li>Project Management</li> </ul>						
	<ul> <li>Milestones</li> </ul>						



## **Forward Looking Statement**

KGHM International press releases and information on Victoria Project together with supplemental data about our property portfolio and other information, are available on the Company's Web site at www.kghminternational.com.

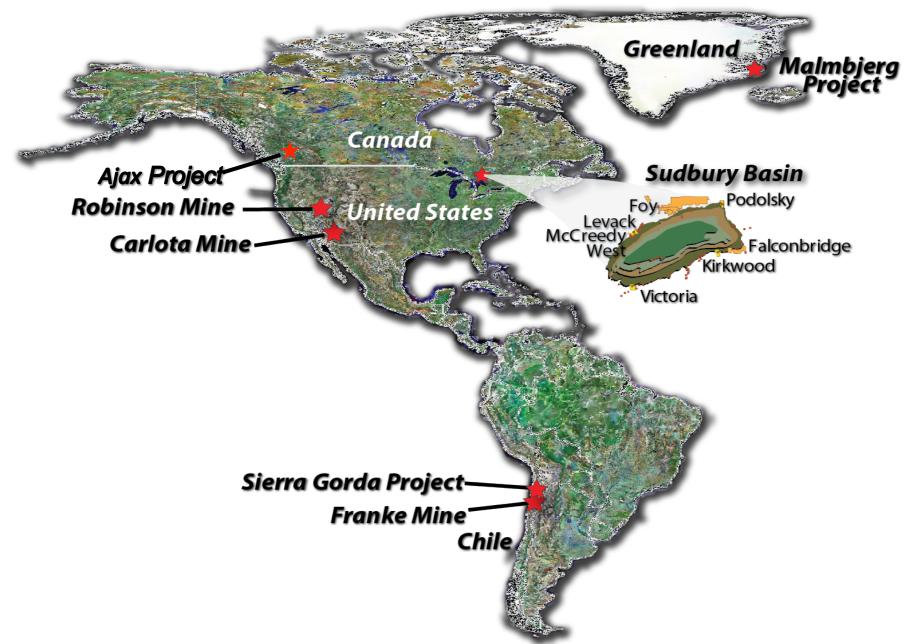
All Company audio, visual and written presentations normally contain forward-looking statements, including those identified by the expressions "anticipate", "believe", "plan", "estimate", "expect", "intend" and similar expressions to the extent they relate to the Company or its management. The forward-looking statements are not historical facts but reflect the Company's current expectations regarding future results or events and are based on information currently available to management. Certain material factors and assumptions are applied in providing these forward-looking statements.

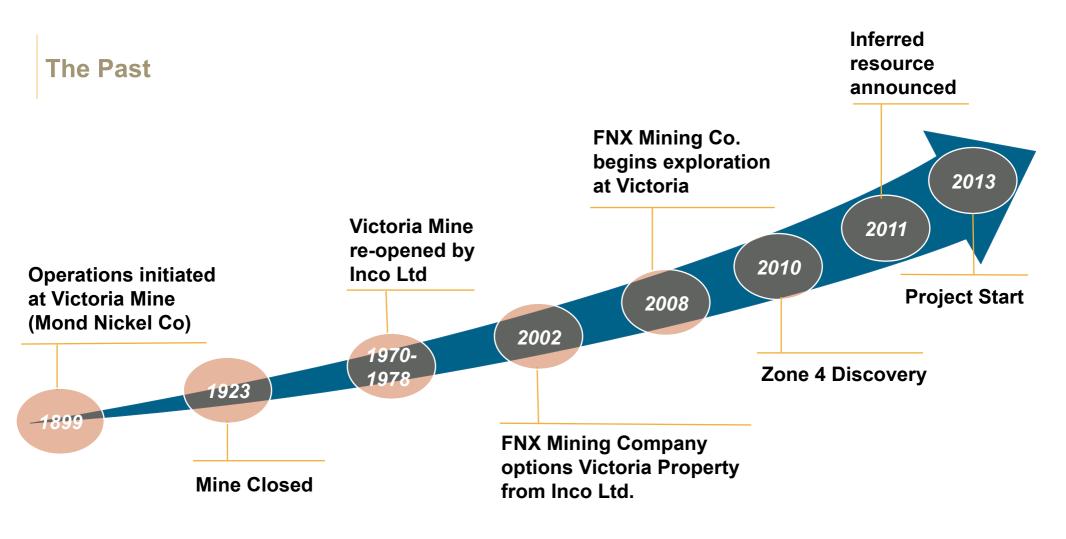
Management believes that the expectations reflected in forward-looking statements are based upon reasonable assumptions; however, management can give no assurance that actual results will be consistent with these forward-looking statements. Statements about potential discoveries or extensions of mineralization and deposits are examples of forward-looking statements. There is no guarantee that any discovery of commercial mineralization will be made on KGHMI properties. The material factors or assumptions that were applied in providing these forward-looking statements are contained in various securities filings, all of which are available on SEDAR at www.sedar.com and the Company's web site.

Undue reliance should not place on any of the Company's audio, visual or written forward-looking statements. Further, a forward-looking statement speaks only as of the date on which such statement is made. The Company undertakes no obligation to publicly update any such statement or to reflect new information or the occurrence of future events or circumstances, except as may be required under applicable securities law.

KGHMI's qualified persons are responsible for verification and quality assurance of the exploration data and analytical results set forth in this presentation. KGHMI complies with all NI 43-101 rules and regulations.

#### **KGHM** International Ltd.







#### The Start - Environmental Baseline

- Surface water
- Ground water
- Weather
- Geochemistry of rock
- Aquatic organism surveys
- Terrestrial organism surveys

Volume, flow rate, quality

Depth, flow direction, quality

Temperature, precipitation, wind,

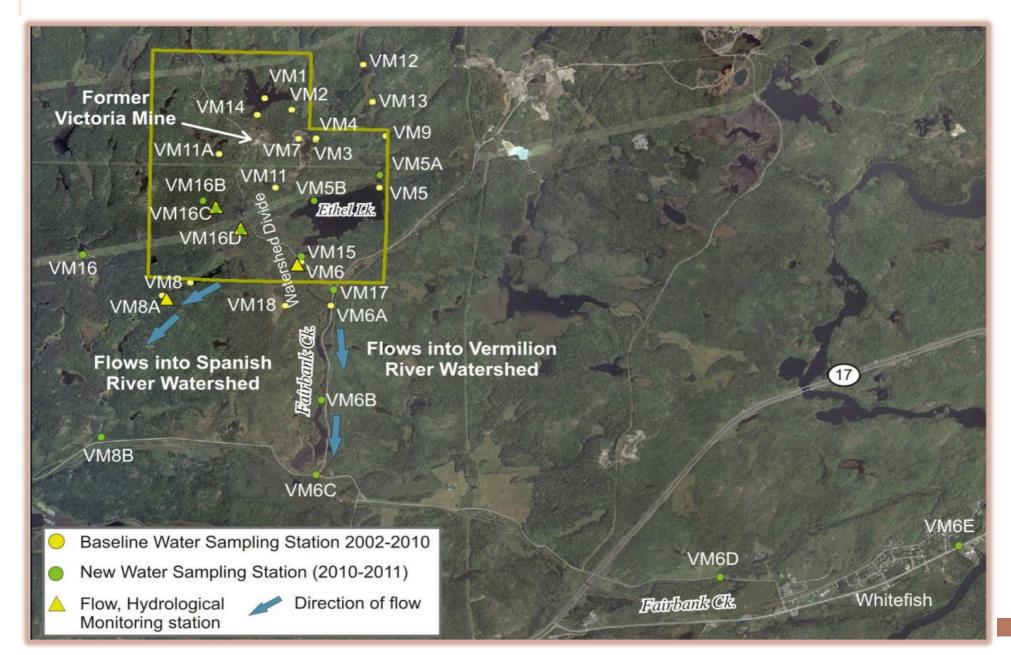
Drill program & geochemical testing

Benthos, fish, wetland habitat

Species at Risk, fauna, forest habitat



## **Surface Water Monitoring**

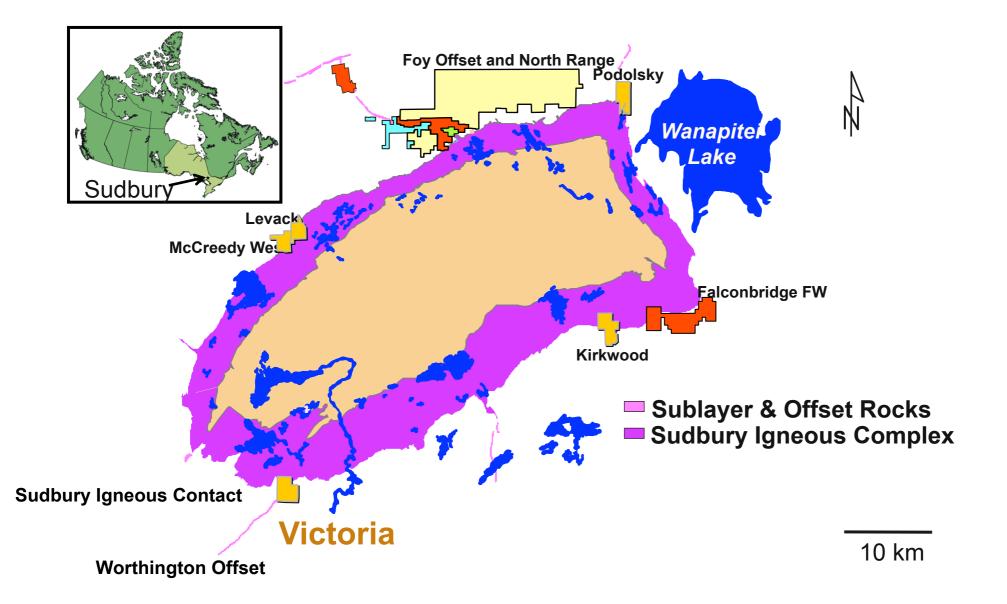


#### The Reason

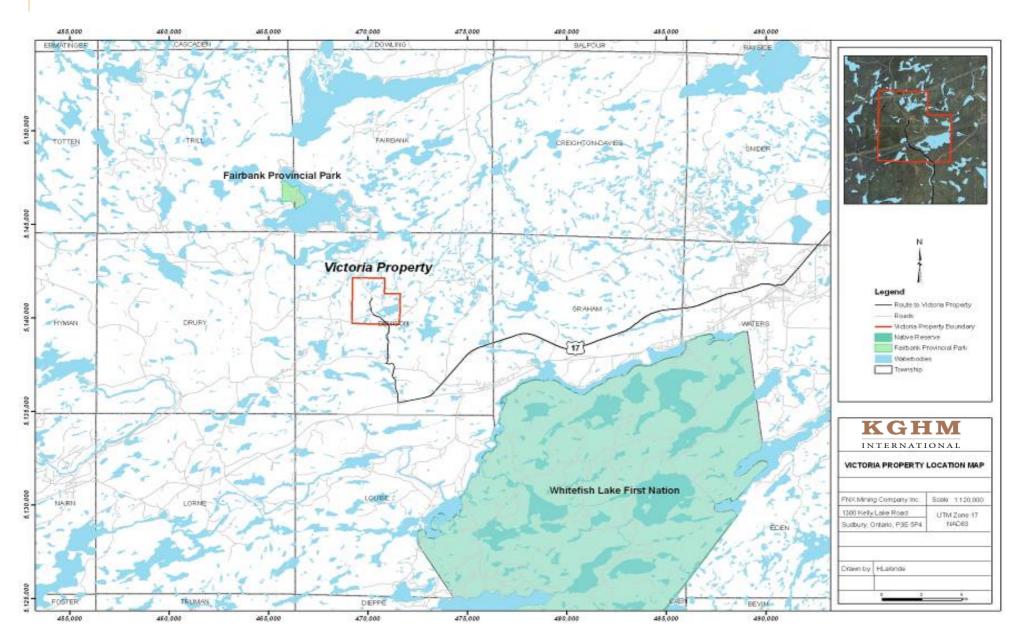
- 14.2 M tonnes of Inferred Resource in a Ni-Cu-PGE Deposit
- 2.5% Cu, 2.5% Ni, 0.23 oz/ton TPM
- 700 M lbs Cu, 700 M lbs Ni, 3.6 M oz TPM (Contained)



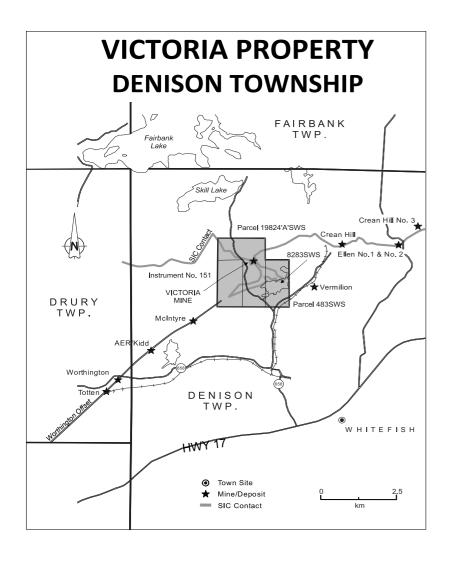
#### **The Location**

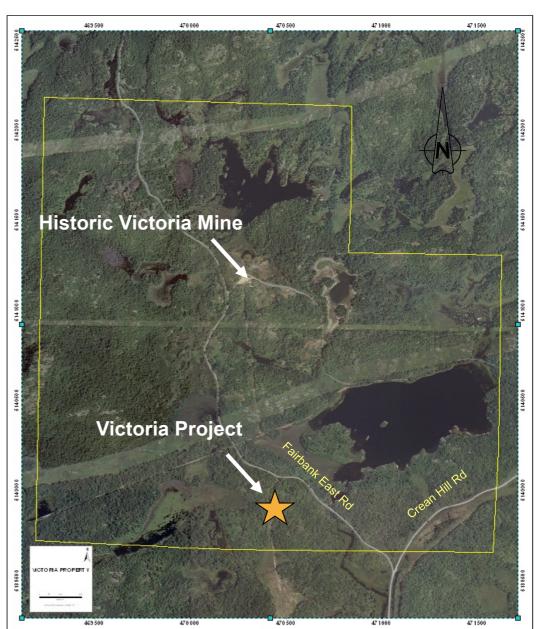


# **The Neighbours**

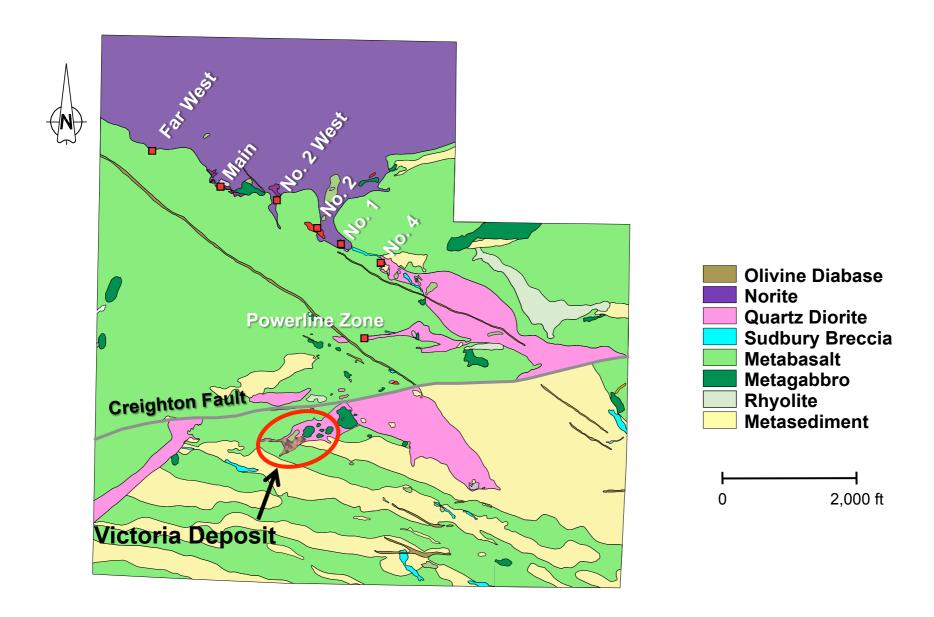


# **The Property**

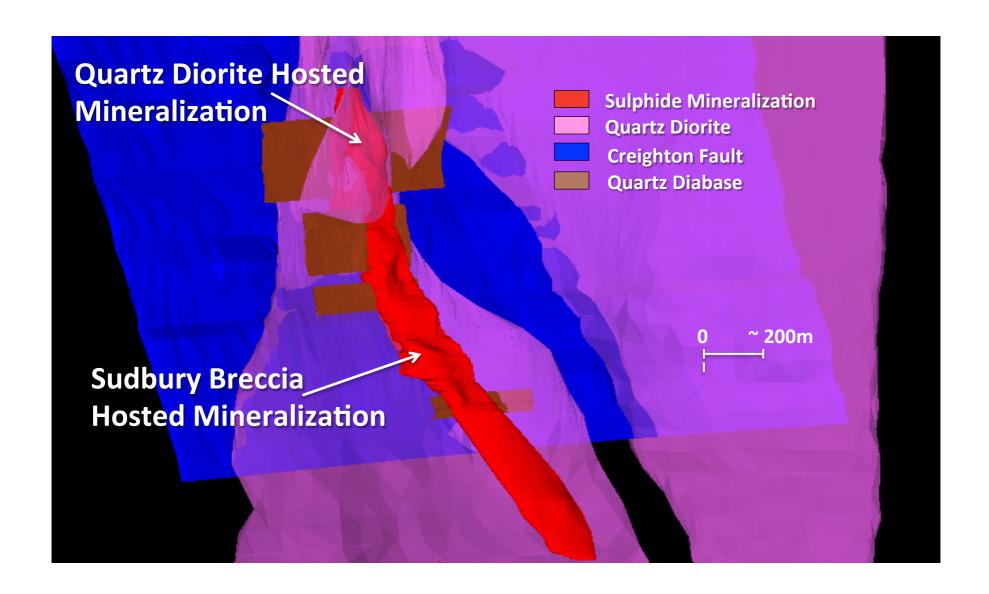


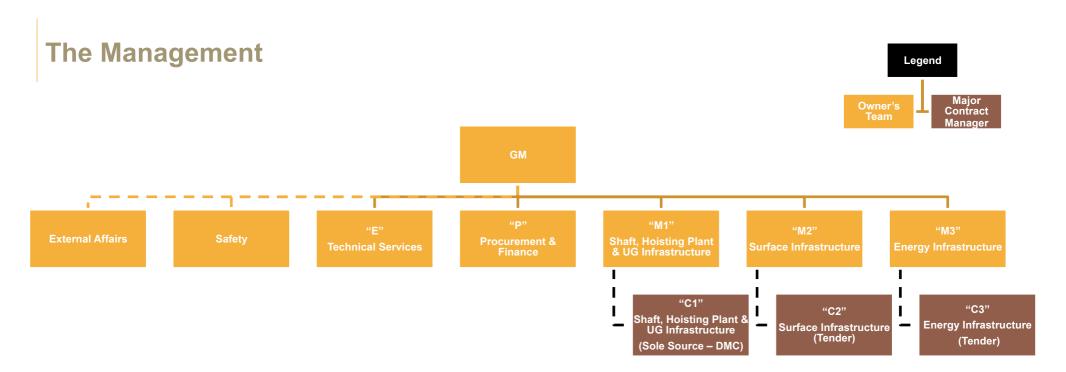


# The Geology



# **The Deposit**







#### **EPCM**

- Safety & External Affairs led by UG Operations Management
- KGHMI "E" Manager keeper of baselines, project controls
- KGHMI "P" Manager controls finance & purchase of assets
- KGHMI "M" Managers direct contact for the "C" Contractors
- "C" Contracts (3) Design / Build

#### The Status

#### **Project Team**

- Established organization structure
- 9 critical hires, 27 secondary hires, total project team = 42
- Established integration with Operations

#### **Permitting**

- MNR Timbering & SAR permits in hand
- MOE PTTW & ECA's in review, anticipate issuance Nov./13
- MNDM Closure Plan submitted, anticipate approval Oct. 20/13

# Project Controls

- Project Charter approved
- Project Management Plan (PMI) in developed
- WBS & Chart of Accounts established
- Project budget established

# Community Stakeholders

- Vale Agreement complete
- Road Upgrade Agreement with City of Greater Sudbury for approval
- First Nations
  - MOU's in hand
  - Exchanging IBA drafts



#### **The Contracts**

# Site Preparation

- E Earthworks at IFT (90%)
- P Earthworks tender in October
- C Timbering initiated, complete end of October
- M Scope, schedule & cost defined

# Shaft Sinking & Hoist Plant (DMC)

- E GA's complete (30%), detailed engineering progressing
- P Sinking hoists ordered
- C Mobilize Apr./14
- M Developing construction contract

#### Surface Infrastructure

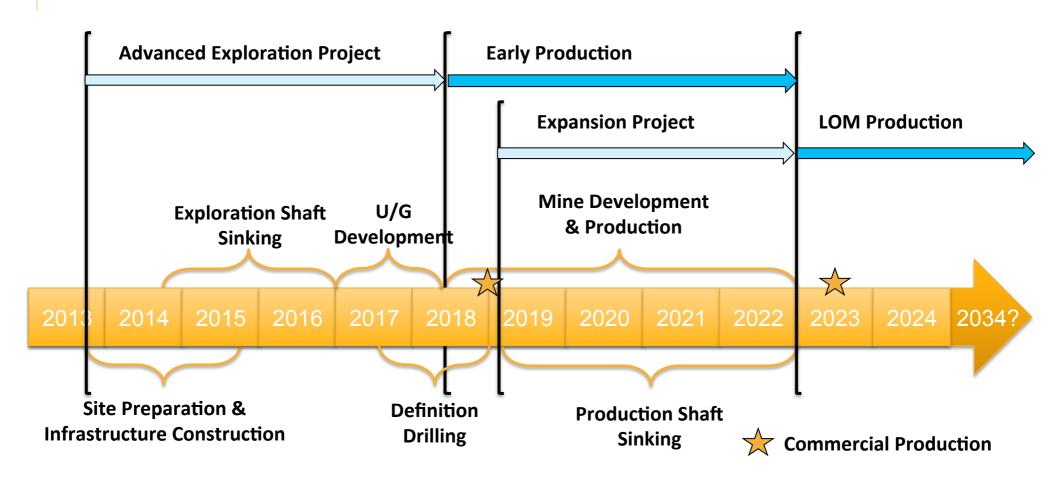
- E Site GA's complete (30%), detailed engineering progressing
- P WWTP equipment being fabricated
- C Mobilize Apr./14
- M Developing tendering packages

#### Energy Infrastructure

- E GA's complete, 230kV & 69kV engineering progressing
- P 69kV transformers & switch gear in hand
- C Mobilize Jan./14
- M Developing tendering packages



#### The Timeline













#### The Phases

#### **CAPITAL PROJECTS**

#### **Advanced Exploration (2013-18)**

- Site preparation
- Construction of surface infrastructure
- Sinking of exploration shaft
- UG definition drilling & bulk sample
- Construction of UG infrastructure
- Production Expansion Decision Study

#### **Production Expansion (2019-22)**

- Additional surface infrastructure
- Sinking of production shaft
- Construction of UG infrastructure

#### **OPERATIONS**

#### **Early Production (2019-22)**

- Ramp connection between 18L, 16L and 14L
- Develop sublevel accesses & ventilation
- Production from Blocks 2, 3 and 4

#### **LOM Production (2023 – 34?)**

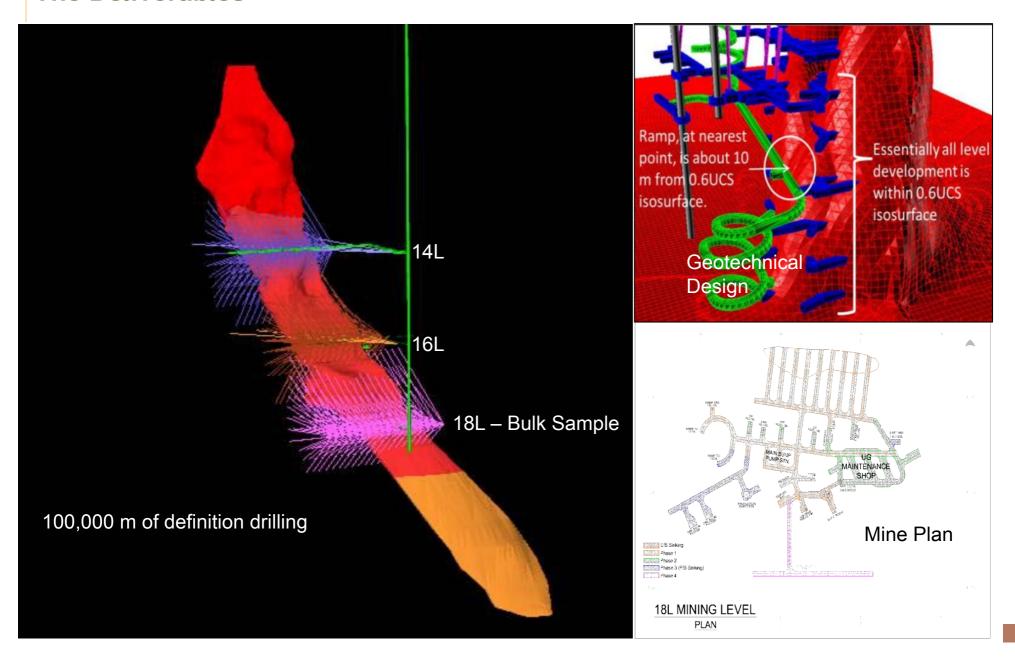
Operations



# The Site Plan – Advanced Exploration

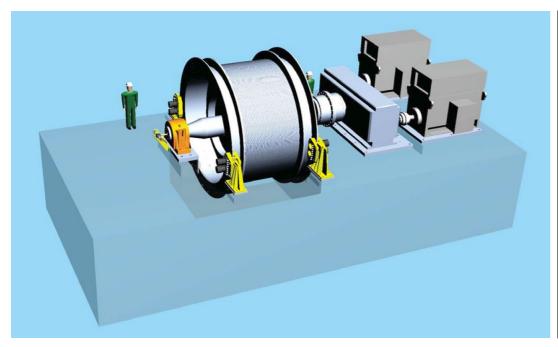


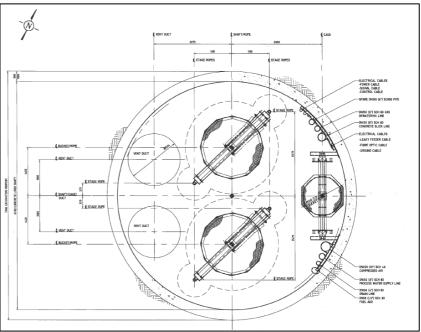
## **The Deliverables**



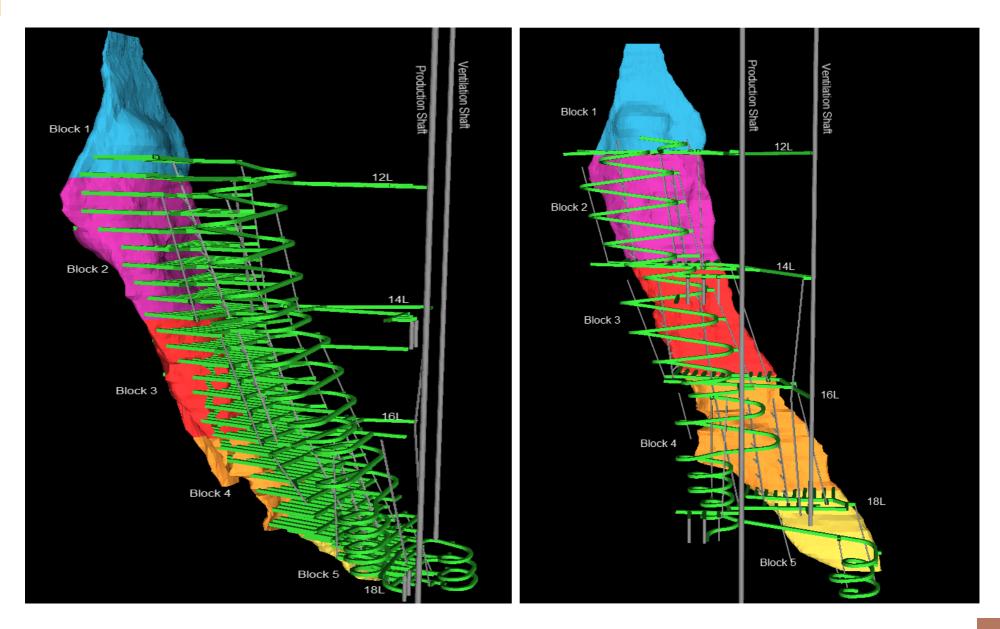
#### The Procurement

- Site Timbering
- Tendering Overburden Stripping & Rockworks
- Sinking & Auxiliary Hoists ordered
- Sinking Winches order being finalized
- 69kV Power substations partially refurbished
- Communication fiber optics to site work package being finalized
- Natural gas to site being engineered by Union Gas



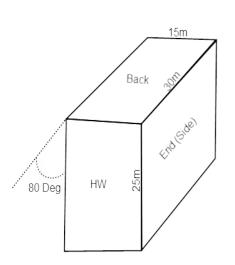


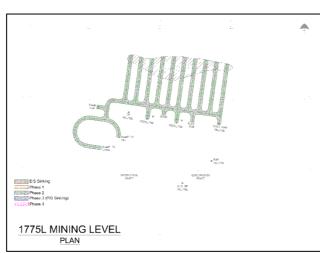
# **The Development**

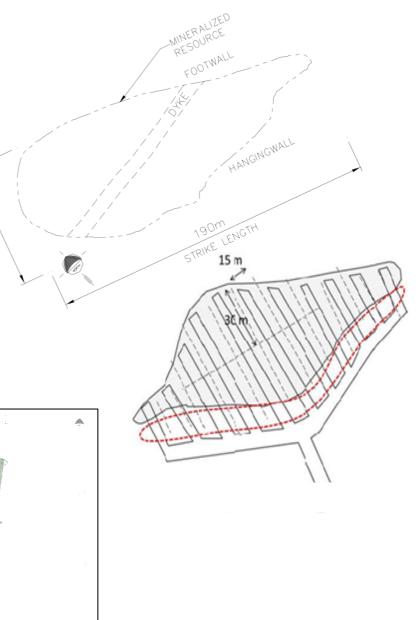


## **The Production**

- Primary / Secondary sequence
- Paste Backfill 150 t/hr
- Average 25,000 tonnes per stope
- Average 16% dilution & 90% recovery
- Average 90 day cycle time
  - Drilling150 m/day, 11t/m
  - Blasting 0.44kg emulsion / tonne







# The Site Plan – Production Expansion



#### The Future

## **KGHMI**

- Advance IBA's with First Nations
- Build Project Team
- Closure Plan Approval
- Receive Environmental Permits
- Continue Engineering
- Complete Timbering
- Initial Earthworks
- Following activities
  - Secure remaining hoists & winches
  - Construction & permanent power
  - Natural gas supply
  - Road upgrades

## **Important dates**

- Closure Plan Oct. 20/13
- Timbering completion Nov. 1/13
- MOE Permits Nov./13
- Initiate stripping Nov./13
- Rock Work
   2014



# **The Project Facts**

	Contained Metal			
Metal	Grade	Units	Qty	Units
Cu	2.5	%	710	Mlbs
Ni	2.5	%	720	Mlbs
Co	0.05	%	15	Mlbs
Pt	0.08	oz/Ton	1,310	Koz
Pd	0.12	oz/Ton	1,890	Koz
Au	0.03	oz/Ton	420	Koz
Ag	0.40	oz/Ton	6,260	Koz

Category	Qty	Units
Inferred Resource	14.2	Mt
Dilution	16	%
Recovery	90	%
Tonnes / Metre	20,000	t/m
Development (Cap)	52	km
Development (Op)	17	km
Drilling	140	km

Team	Qty
Project Owners Team	40
Contractor	300
Manpower - Phase 1	150
Manpower - Phase 2	280



