Structural Evolution and Timing of Orogenic Gold Mineralization in the Klondike District, Yukon
FORWARD LOOKING STATEMENTS

Statements contained in these following slides and accompanying oral presentation contain certain forward-looking statements within the meaning of the United States Private Securities Litigation Reform Act of 1995 and forward looking information within the meaning of the Securities Act (Ontario) and similar legislation in other jurisdictions. Forward-looking statements can be identified by the use of words such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variation of such words and phrases or state that certain actions, events or results "may", "could", "should", "would", "might" or "will" be taken, occur or be achieved. Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Klondike Gold Corp. ("Klondike Gold") to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. These forward-looking statements include estimates, forecasts, and statements as to management’s expectations with respect to, among other things, business and financial prospects, growth potential, the size, quality and timing Klondike Gold’s exploration and possible development projects, mineral reserves and mineral resources, future trends, plans, strategies, objectives and expectations.

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Events or circumstances could cause actual results to differ materially. Such events include, among others, unanticipated developments in business and economic conditions in the principal markets for commodities and/or financial instruments, changes in the supply, demand, and prices for metals and other commodities, the actual results of exploration activities, conclusions of economic evaluations, uncertainty in the estimation of ore reserves and mineral resources, changes in project parameters as plans continue to be refined, changes in economic and political stability in jurisdictions where Klondike Gold has business interests, environmental risks and hazards, legal disputes, increased infrastructure and/or operating costs, labour and employment matters, and government regulation as well as those factors discussed in the section entitled “Risk Factors” in Klondike Gold’s Annual and Quarterly Reports and associated financial statements, Management Information Circulars and other disclosure documents filed with Canadian securities regulators. Although Klondike Gold has attempted to identify important factors that could cause actual results to differ materially, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate as actual results and future events could differ materially from those anticipated in such statements. Klondike Gold disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Accordingly readers/listeners should not place undue reliance on forward-looking statements.
• TGB is known to host “world-class” gold deposits.

• Flexure in crustal scale 1st order faults create “world-class” deposits by creating the fault network to host them.

• Cretaceous age ESE compression creates rotation and NE-SW dextral normal faults: GOLD CONDUITS.

• Nucleating Cretaceous intrusion-gold, and Cretaceous orogenic gold.

• Destor-Porcupine, Kalgoorlie etc.

Figure Note: Gold resource endowment is sourced from company disclosures or government sources, for comparative purposes only.
KLONDIKE PLACER DISTRICT

Klondike Placer District

• Placer gold mined 1896 to present
• ~20 M oz Au recovered
• World Class endowment

Klondike Claims ~600 sq km
Covers the Klondike Placer District
FIVE-YEAR SYSTEMATIC GEOSCIENCE

DISTRICT SCALE SURVEYS:
• Mapping / Soils / Magnetics / Radiometrics / VLF-EM / Structural Mapping / LIDAR / Orthophotography / Historical compilation

LOCAL SCALE SURVEYS:
• Diamond drilling 33,500m / Trenching/Channel sampling / Whole Rock / GT-Probe

SYSTEMATIC PROCEDURES:
• Metallic screen assay, ultra-trace analyses, digital field (QGIS) and digital core (MXDeposit) logging, oriented core drilling
• Tectonic setting and structural evolution (250 Ma to present): ONLY THE GOOD BITS
• Mapping evidence for structure and lithology
• Gold mineralization
D1 TO D3: COMPRESSION 250 Ma to 160 Ma

• Continuing NE directed compression.

Refolding. Open to closed recumbent folds.

D3 quartz vein arrays: “Stander Zone” 5+ km long

Debatable: “orogenic relaxation” vs “sigma3 extension” veins

• Peak greenschist metamorphism.
• Sericite chlorite quartz schists.
D3: End of Jurassic c. 145 Ma – ANTICLINE

SW to NE Pseudo Cross Section (Leapfrog S3 Foliation Model)

- Qtz augen schist, Sulphur Ck granite
- Eldorado thrust (later reactivated?)
- Klondike Schist anticline
- Stander Zone (QV Au)
- Lone Star Zone (disseminated and QV Au)
- Nasina Assemblage
- Bonanza thrust

KLONDIKE GOLD CORP.  TSXV: KG  Frankfurt: LGBF
D4: Mid-Cretaceous (?) c.100* Ma

- 70 degree clockwise rotation in compression direction to ESE.
- D4 ENE-WSW normal (oblique, dextral) faults
- Reactivation of D3 into D4 dextral strike-slip faults
- D4 INTRODUCTION OF GOLD
- Gold occurs in reactivated D3 AND D4 faults
D5: Eocene dykes c. 55 Ma

- Continued rotation 70 degree clockwise) to N-S compression (E-W extension)
- N-S normal faults filled with bimodal dykes.
- Lamprophyre dykes at this time or earlier (?)

Figure 30: 1VD Airborne Magnetic Data Over the Sulphur Creek Area Showing Eocene Dykes as Deep Magnetic Lows
GLACIAL EXTENTS c. 3 Ma to 22 Ka

- Landscape is not significantly changed from c. 100 Ma to present.
- Drainage morphology is preserved.
- Faults created the Klondike ‘sluice box riffle’ Creeks and Gulches.
- Placer gold is locally sourced, particularly coarse gold.
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Zones of surface fault ‘weakness’ funnels draining water, causes differential erosion, locating creeks.

- Major NW thrust faults are the Creeks (D3 / c. 180 Ma)
- Secondary NE faults are the Gulches (D4 / c. 100 Ma)

Both fault directions are gold bearing in bedrock.
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Both fault directions are gold bearing in bedrock.
• D4 NE trending faults (dip NW) correspond with Gulches. (BLACK lines)

• D4 mapped with geophysics

• Geophysically traceable as continuous Gold Zones >5 KM.
KLONDIKE GEOLOGY – NW CORNER

Major structures:
1) Klondike Schist 250 Ma/ Nasina 360 Ma
2) Sulphur Creek granite / Quartz eye schist / Klondike Schist (?)

Cretaceous intrusives
Bonanza / Eldo NW-SE D3
All “Gulches” NE-SW D4
Principal component analysis using scaled coordinates ... 

28 components (AqR) 
“Dimensionality Reduction”

Easily differentiates lithologies 

Uses lab standard ‘ultra-trace’ package analyses for higher precision HFSE 

Checked against n=175 ‘UBC standard’ whole rock analyses.
VISUAL vs PC1 CORE LOGGING

Visual Logs more effective at differentiating structures

Oriented drill core also necessary
# GOLD SIZE FRACTION PER ASSAY RANGE

Metallic screen drill core assay data 2015 - 2018.

- Gold is “coarse” +150 Mesh
- Prelim GRG metallurgical testing at Lone Star Zone: >90% GRG

<table>
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<tr>
<th>Assay Range</th>
<th>% Coarse +150 Mesh (0.106mm)</th>
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<tr>
<td></td>
<td>All Zones (n=1493)</td>
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<tr>
<td>Total Au g/t</td>
<td></td>
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<tr>
<td>0.25</td>
<td>0.50</td>
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<tr>
<td>&gt;10</td>
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LONE STAR ZONE GOLD

In the schist typically 1mm size gold. Quartz veins are rarer cf Stander Zone, so not that much coarse gold here.

KLONDIKE GOLD CORP.  TSXV: KG  Frankfurt: LGBF
STANDER ZONE GOLD: OUTCROP TO PLACER

Outcrop nugget of gold in Upper Eldorado Creek (below).
Placer nuggets of gold from 1 km downstream (left)

Upper Eldorado Creek is D4, Stander Zone is D3; nugget comes from intersection of the two. QV's host coarse gold
Vein textures are visually ‘cryptic’

M. Grimshaw, Leeds U 2017 PhD
• Q1 – Large euhedral crystal of quartz
• Q2 – Black in CL. Fractures and infills the majority of the vein. This is subhedral milky white type
• Q3 – Bright CL which fractures and brecciates: hydraulic fracture
• Q4 – Bright CL thin x-cutting all: gold-bearing.

Low lithostatic pressure. Implies near-surface high-crustal level (the top) of the orogenic gold veining.

Potential for kilometers of depth extent.
Electrum D4 Vein:

1,009 g/t Au with 1,036 g/t Ag over 1.0m

“World class drill hole”.

2\textsuperscript{nd} best hole drilled in the world in August.

3\textsuperscript{rd} best drill hole in Canada in 2019.

(Source: Mining Intelligence / Mining.com)
POTENTIAL FOR FURTHER DISCOVERY ... 

All Zones open and prospective.

Recognition and mapping of D4 conduits expands the gold discovery potential of the District.

Fraction of property explored.

~10%
THANK YOU

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