

TSXV: OMM



2 Separate and Related Projects
Placer Recovery and Lode Gold Exploration
At Wingdam

April 2021



Forward Looking Statements

This presentation is for information purposes only and does not constitute an offer to sell or a solicitation to buy any securities

This presentation includes certain “forward-looking statements” within the meaning of applicable securities legislation. These statements are based on management’s current expectations and are naturally subject to certain uncertainty and changes in circumstances. Actual results may vary materially from the expectations contained herein due to changes in economic, business, competitive and/or regulatory factors. Omineca Mining and Metals Ltd. (“Omineca” or the “Company”) is under no obligation to (and expressly disclaims any such obligation to) update or alter its forward-looking statements whether as a result of new information, future events or otherwise. The reader is cautioned not to place undue reliance on forward-looking statements.

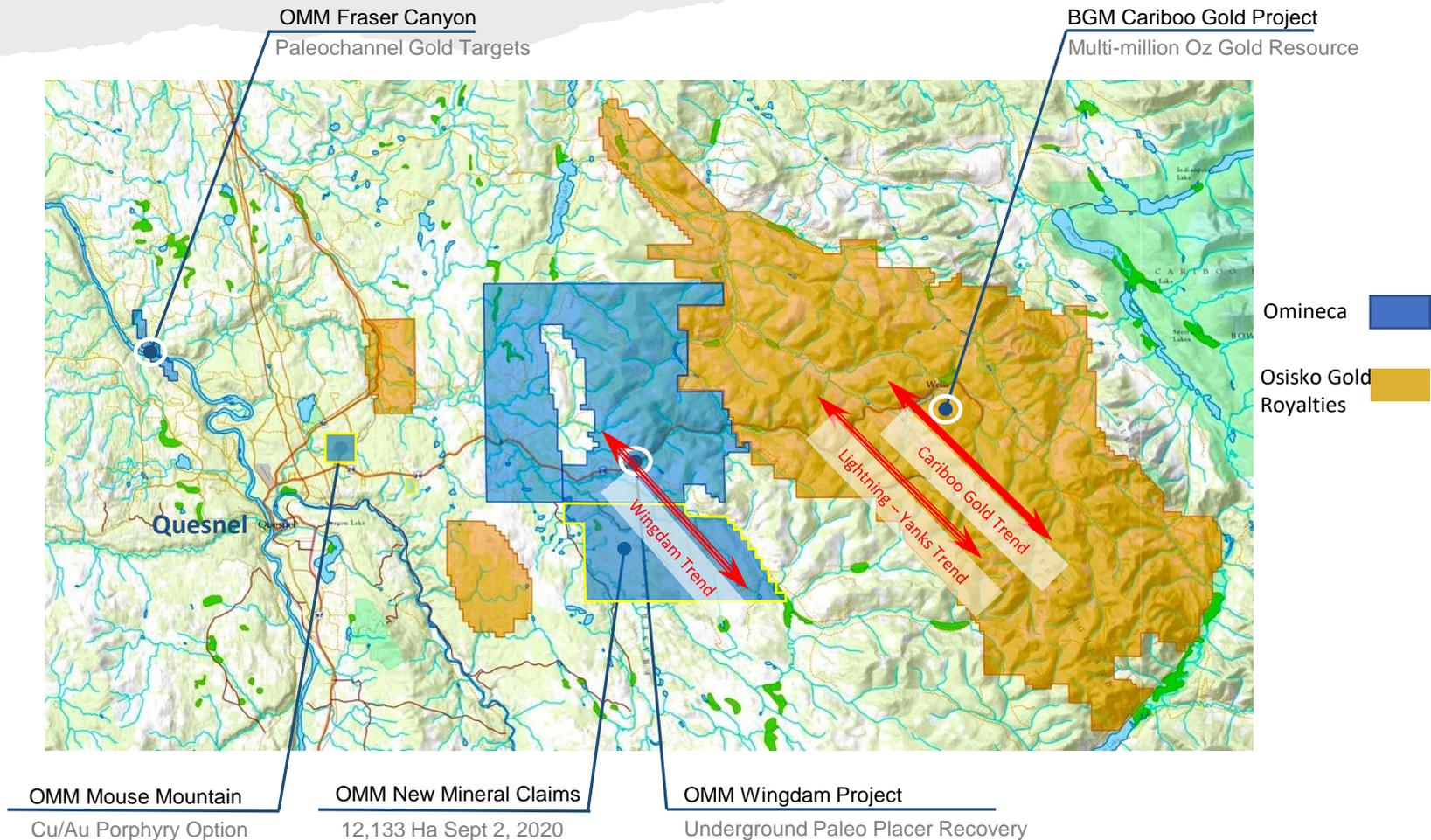
A qualified person has not done sufficient work to classify the historical estimates contained herein as current mineral resources or mineral reserves, the Company is not treating the historical estimate as current mineral resources or mineral reserves and the historical estimate should not be relied upon.



Share Structure

Listing	TSXV: OMM
Shares I/O	121.9 million
Warrants	31.3 million
Options	10.4 million
Fully Diluted	163.6 million
Management and Insiders	~41.3%

Synopsis – Wingdam Gold Exploration & Placer Recovery



2021 Underground Placer Recovery UPDATE





Dewatering – Settling Ponds

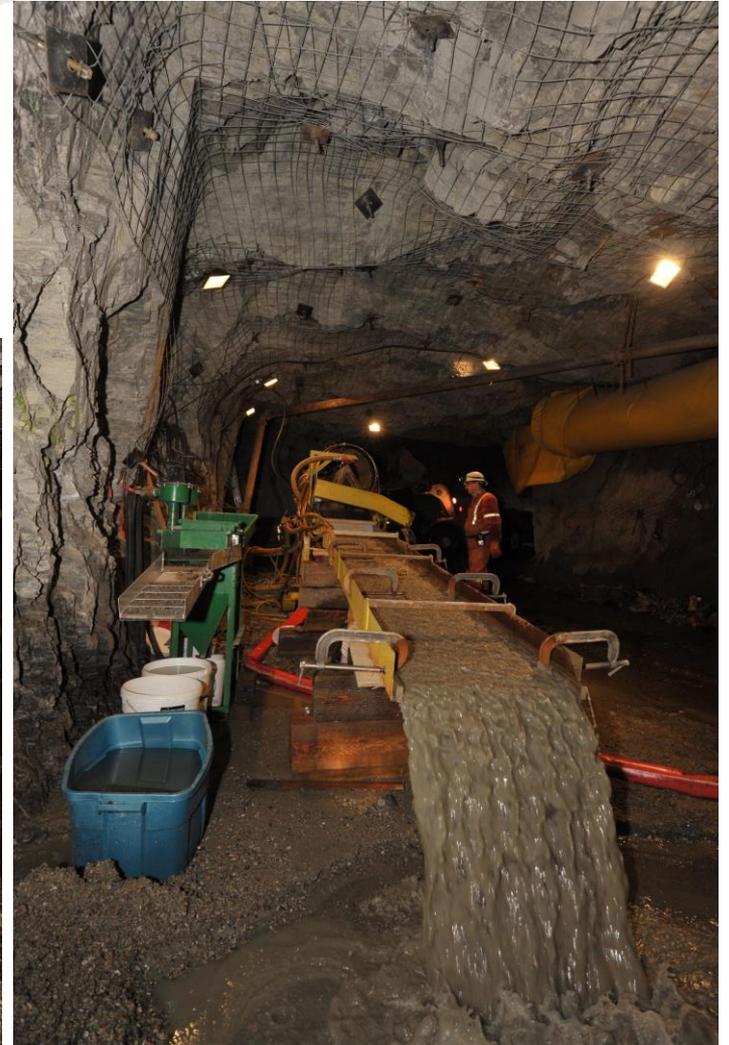
Underground Camp and Decline Portal

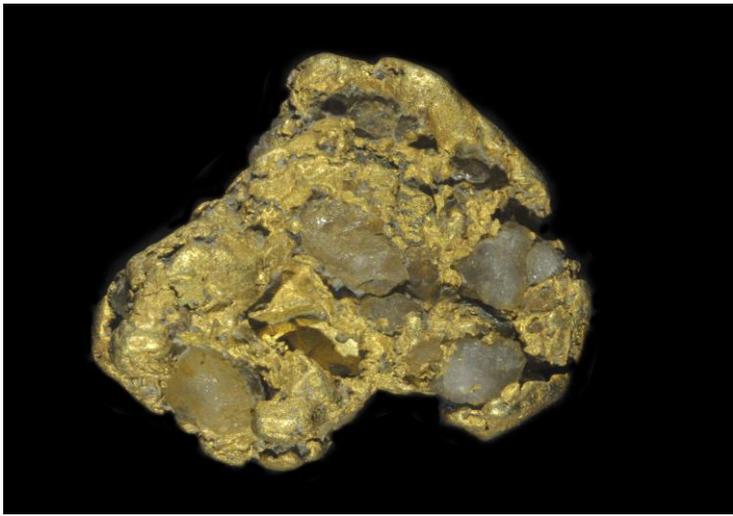




What We are Doing – 2012 Ground Freezing Technology

Underground Water Trommel & Wash Plant Recovery - 2012





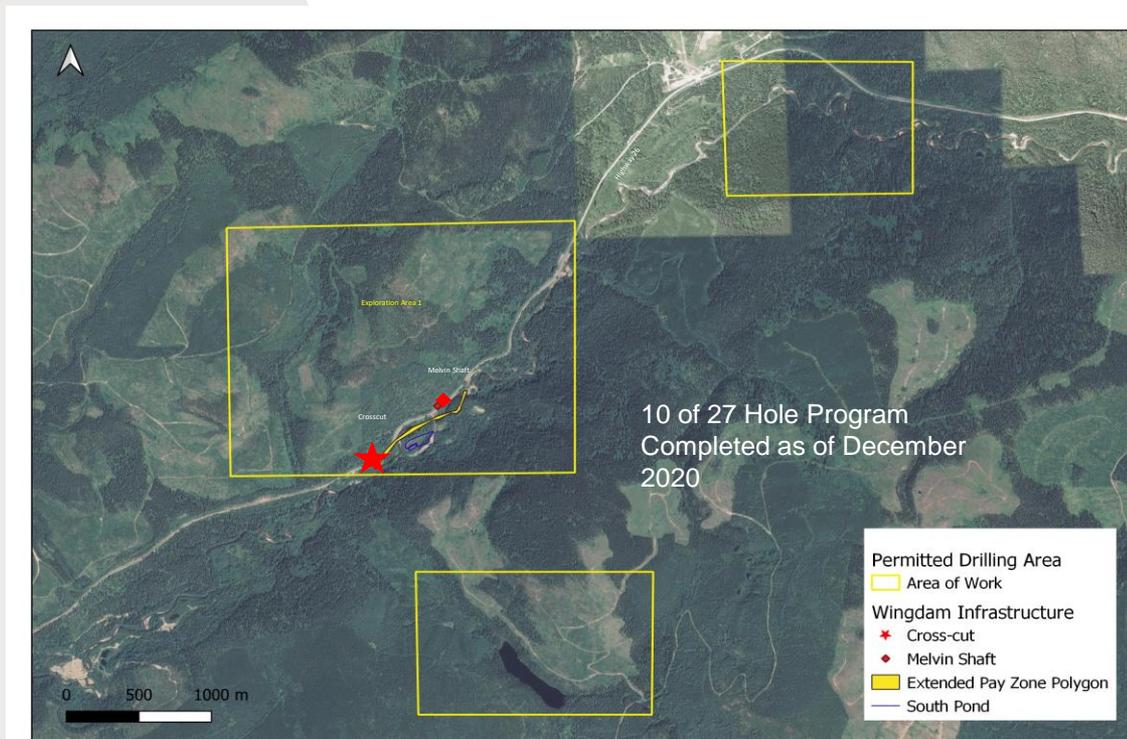
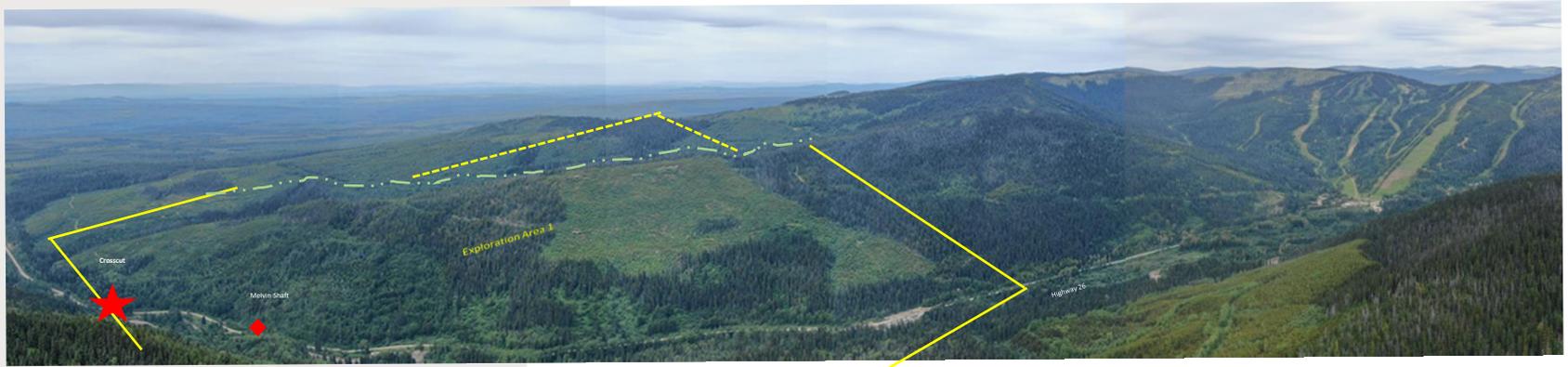
5.4kg (173.4 oz) of Placer Gold Recovered 2012



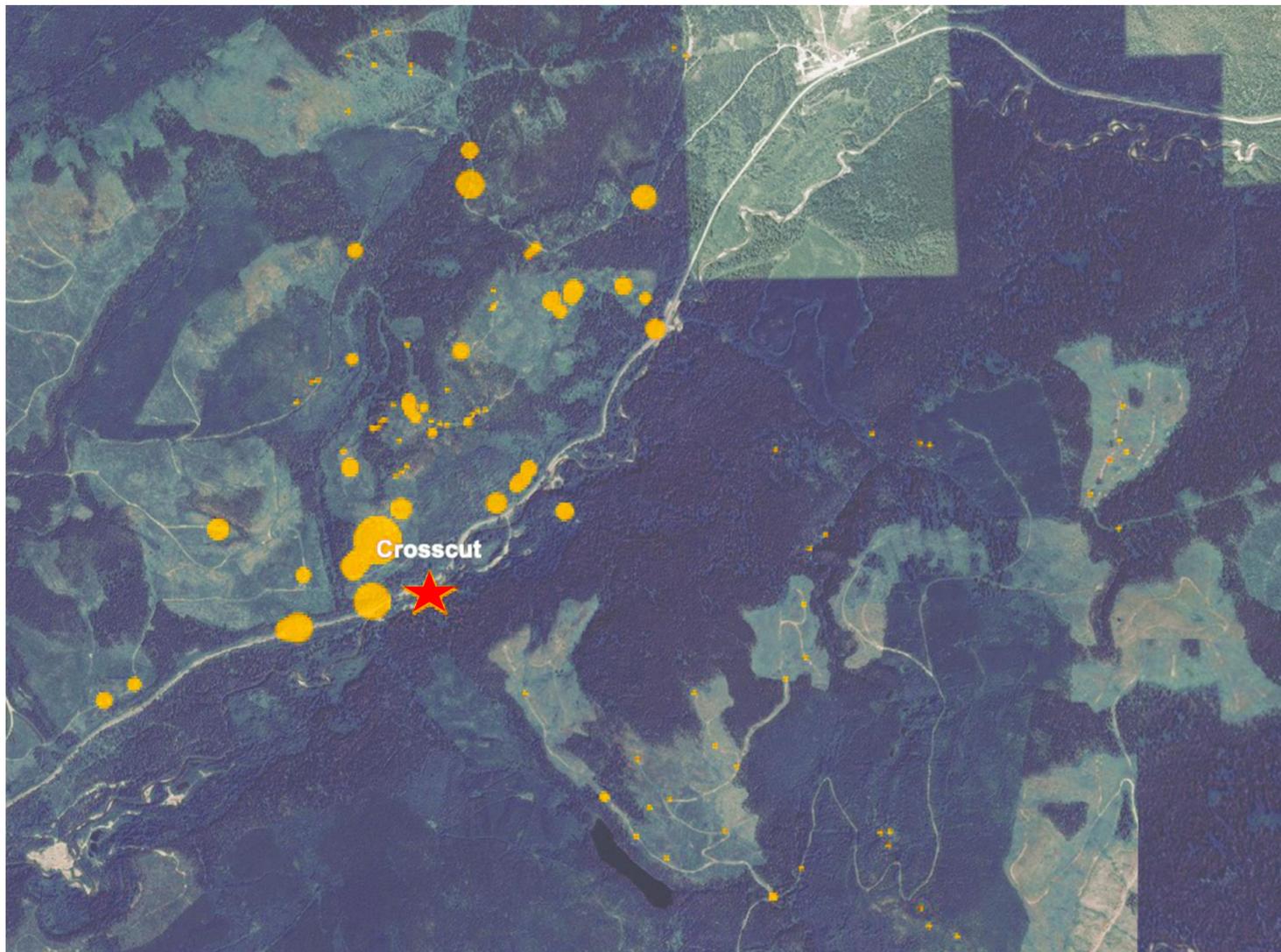
2020/21
Maiden
Diamond
Drill Program



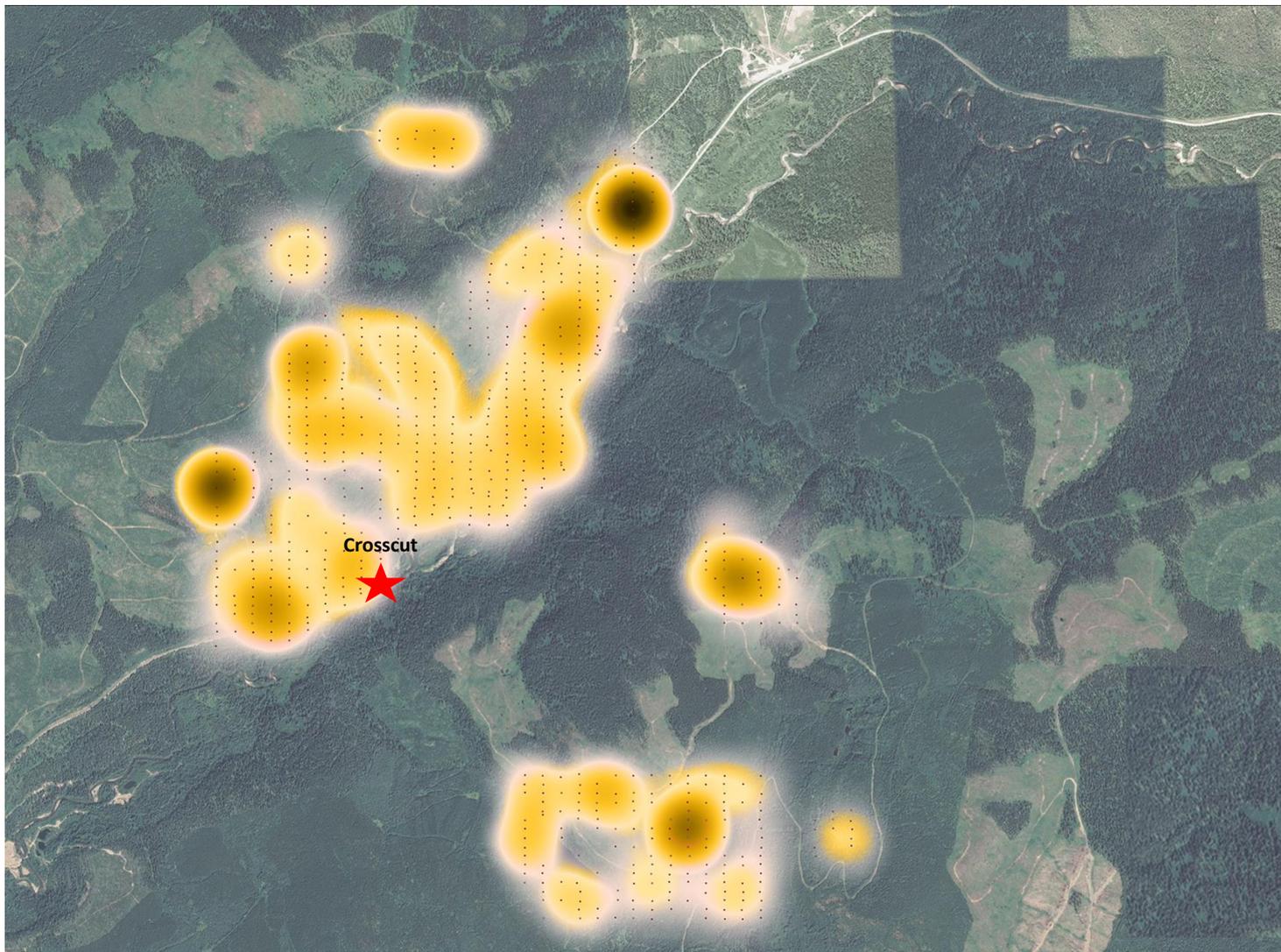
Multi-Year, Multi-Area Drill Permit



2020 Rock Sampling - GOLD



2020 Soil Sample Heat Map - GOLD





2020 Wingdam Drill Program Core Shack



FOLLOWING
Background From Full Presentation

Photo: The 173.4oz placer gold
recovered from single crosscut 2012



Who We Are

President & CEO, Director
CFO, Director
VP Business Development
Lead Geologist
Technical Advisor, Qualified Person
Underground Safety Advisor
Director
Advisory Board
Advisory Board

Tom MacNeill, CFA, CGA
Andrew Davidson, CA, CPA
Dean Nawata
Stephen Kocsis, P. Geo.
Dr. Stewart A. Jackson, P. Geo
Chad Ireland
Sylvain Laberge
John Kiernan, P. Eng
Len Sinclair

Tom MacNeill is founder, president and CEO of **49 North Resources** a resource investment and development company headquartered in Saskatchewan. Along with **Andrew Davidson** and **Dean Nawata**, 49 North has been directly involved at in several successful junior resource projects from inception through exit or buy out such as Athabasca Potash, Prairie Hunter Oil & Gas and Copper Canyon.

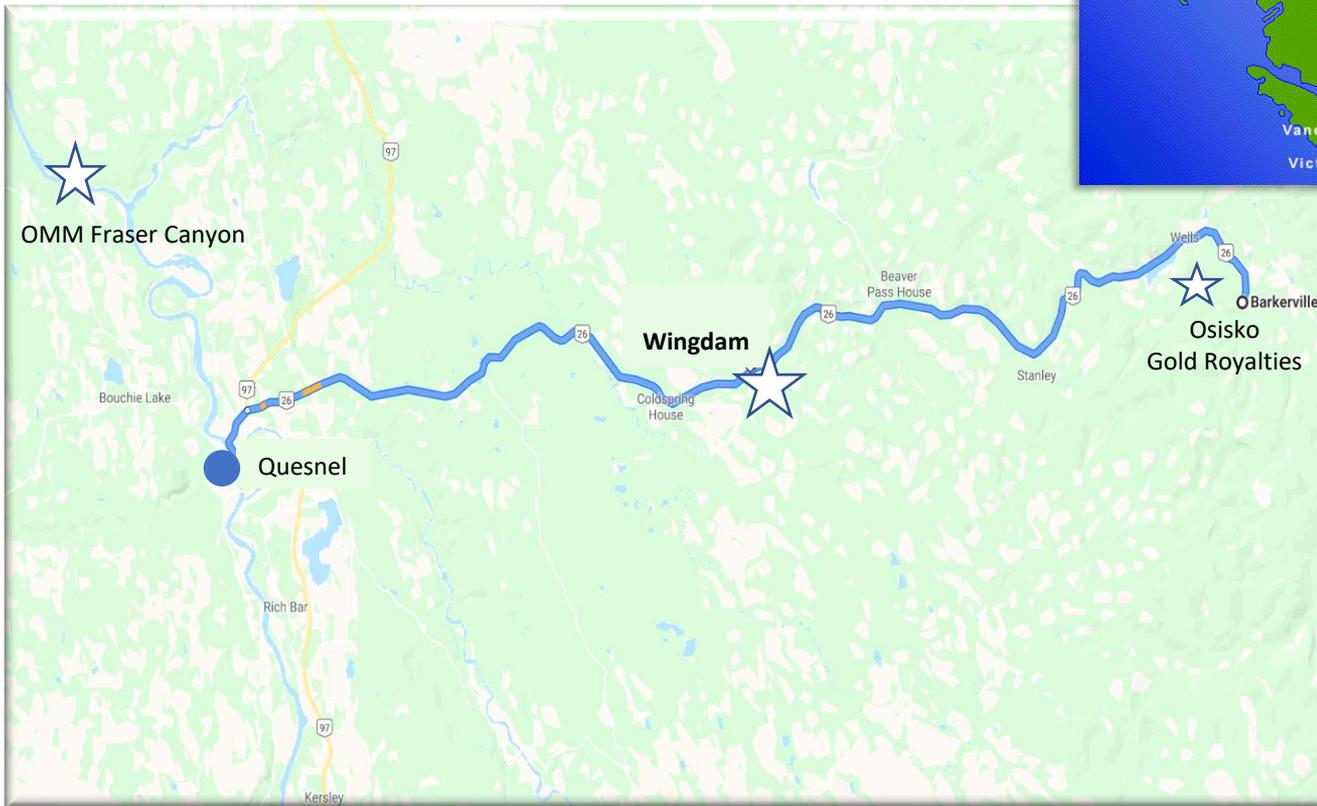
It was 49 North that originally funded and brought Saskatchewan based ground freezing technology to Wingdam, then a private company, and under **Len Sinclair's** stewardship, in 2012 successfully recovered 5.4 kilos of placer gold locked under 50 meters of wet overburden beneath Lighting Creek.

Omineca's partner and mining contractor, **HCC Mining** and Demolition Inc of Saskatoon, SK has specialized equipment, decades of diversified, innovative mining techniques and experience including over 10 years of alluvial gold mining operations.

South Central BC, Cariboo Mining District

Wingdam Project

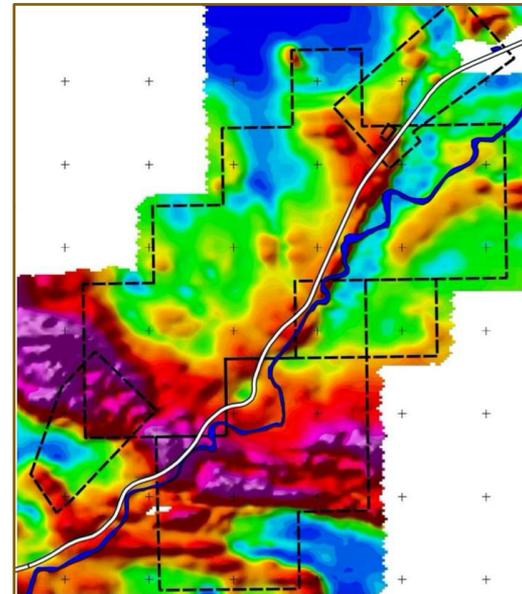
Midway between Osisko Gold Royalties' "Cariboo Gold Project" at Barkerville and town of Quesnel along Lightning Creek on Highway 26



Placer Recovery and Hard Rock Gold Exploration

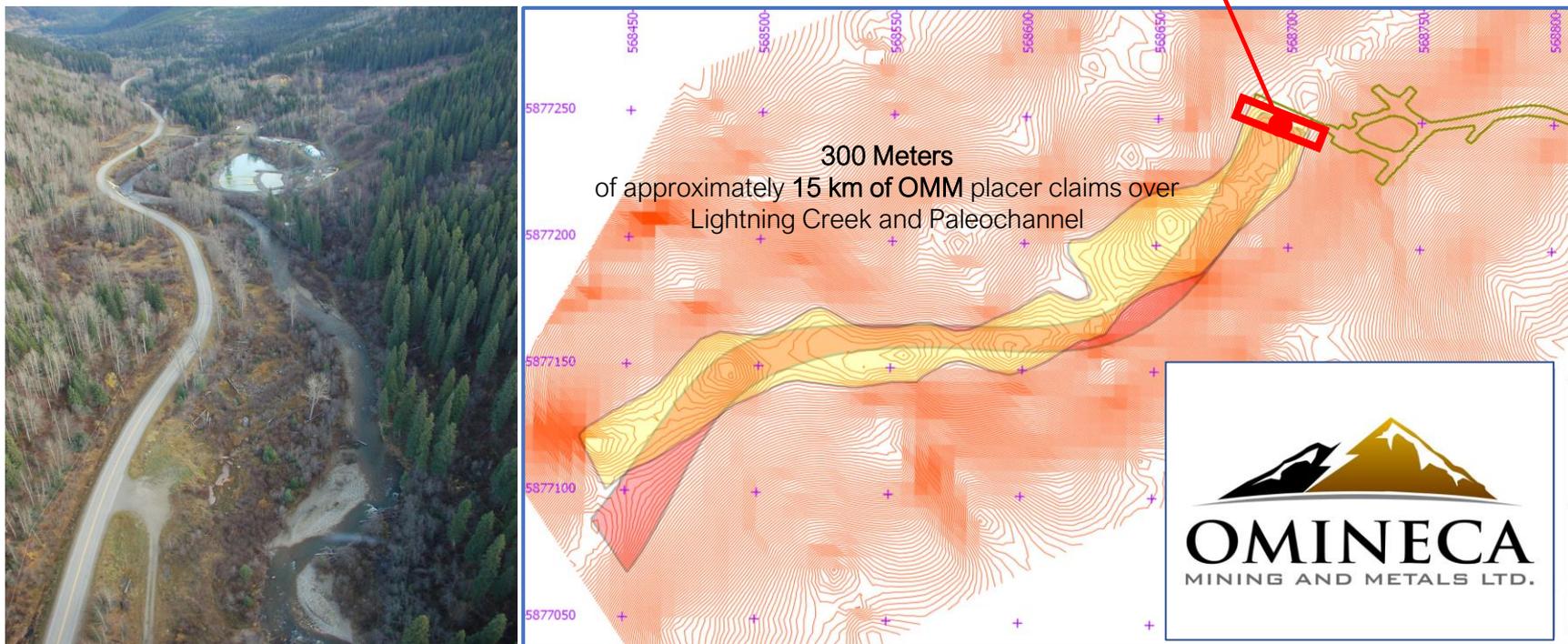
Both of OMM's **Wingdam** and **Fraser Canyon** Projects have two distinct yet related programs:

- An underground **alluvial gold** recovery program underway at Wingdam and exploration for additional potentially gold-bearing paleochannels at Fraser Canyon.
- An exploration program for potential hard-rock **lode gold** mineralization and/or potential sources for the placer gold found in the area.



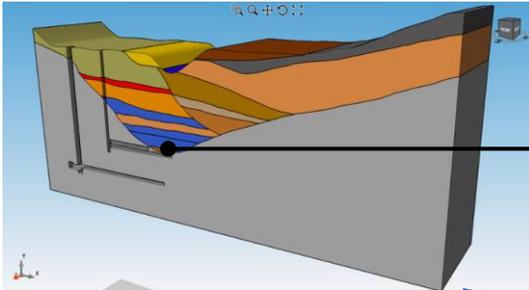
Placer Gold Recovered From Buried Paleochannel

Test sample recovered 5.4 kilos (173.5 ounces) from
2.4m wide 23.4m long crosscut drift (2012)

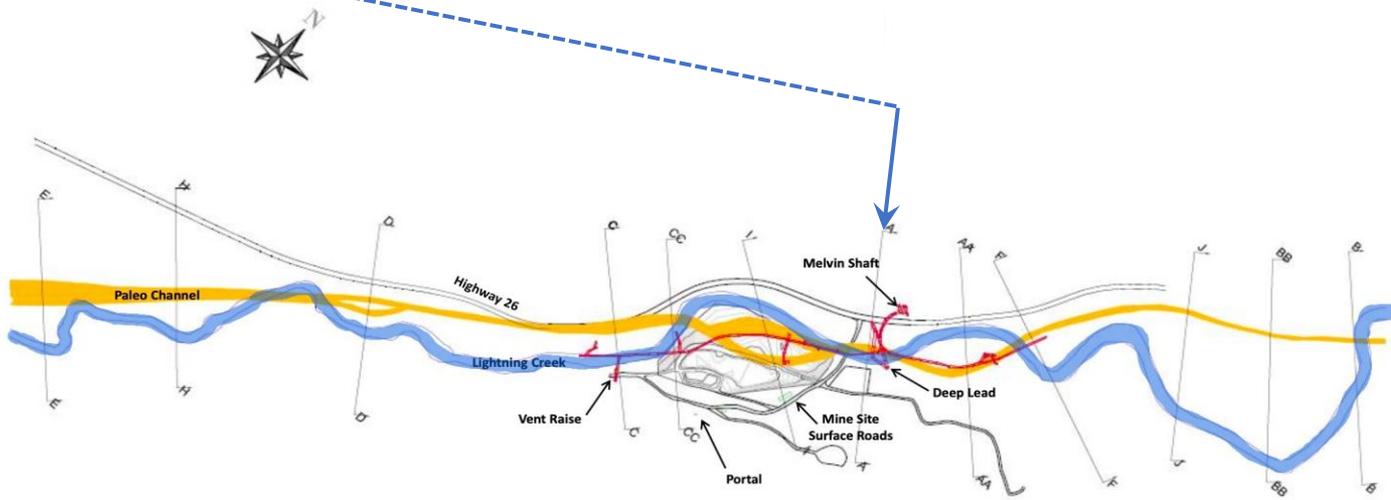


Sections From Historic Drill Holes and Seismic

2012 Crosscut & Processing

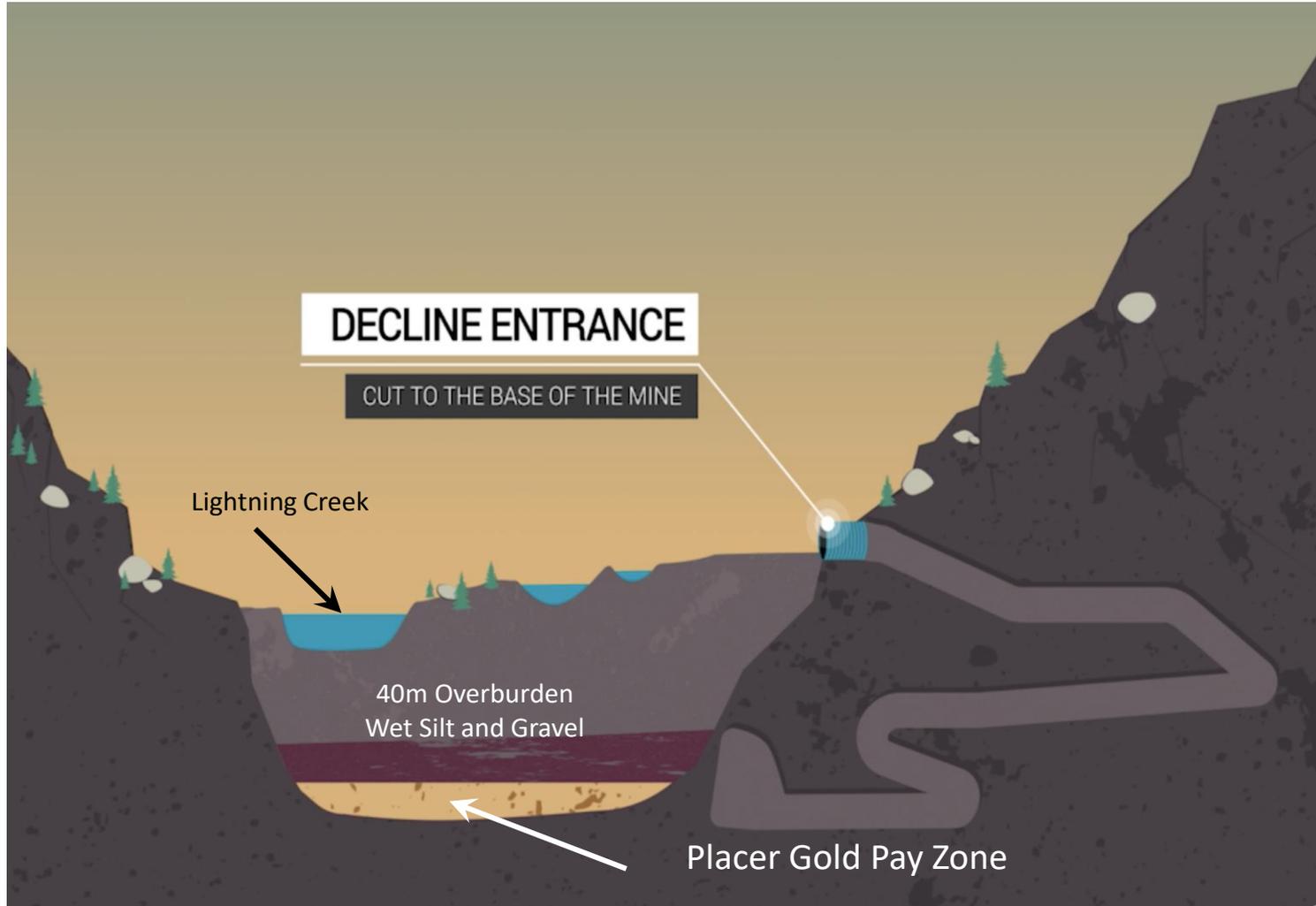


"The Deep Lead Channel contains some of the highest placer gold concentrations historically reported in all of the Cariboo Mining District and perhaps throughout British Columbia that remains unmined"



*Wingdam Property NI 43-101 Report Deep Lead Channel Ground-Freeze Drift Sampling Program, Stephen Kocsis, June 15, 2012

2.5 km of Buried Gold-bearing Paleochannel



How We Recover the Gold Underground



2.4 Km Channel Underneath
Lightning Creek



Dewater Existing Decline



If Necessary, Freezing Any
Unstable Ground Above Crosscut



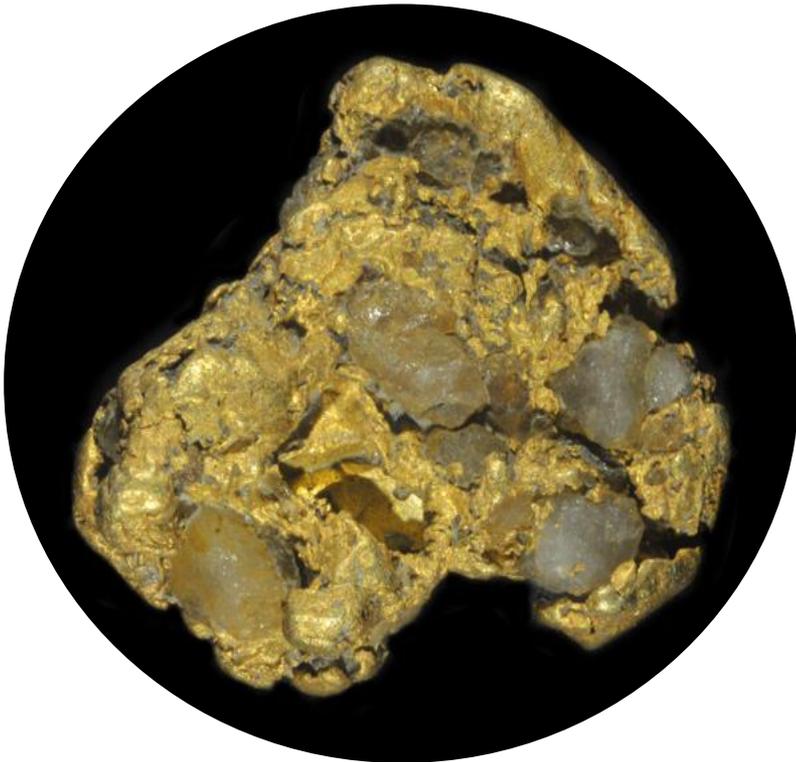
Crosscut Material Processed by Water
Wash Plant Underground



5.4 Kilos Placer Gold Recovered
in 2012

Quartz in Gold Nuggets Where Did They Come From?

Quartz in Gold Nugget VS Gold in Quartz Vein
Indicative of a source of the placer

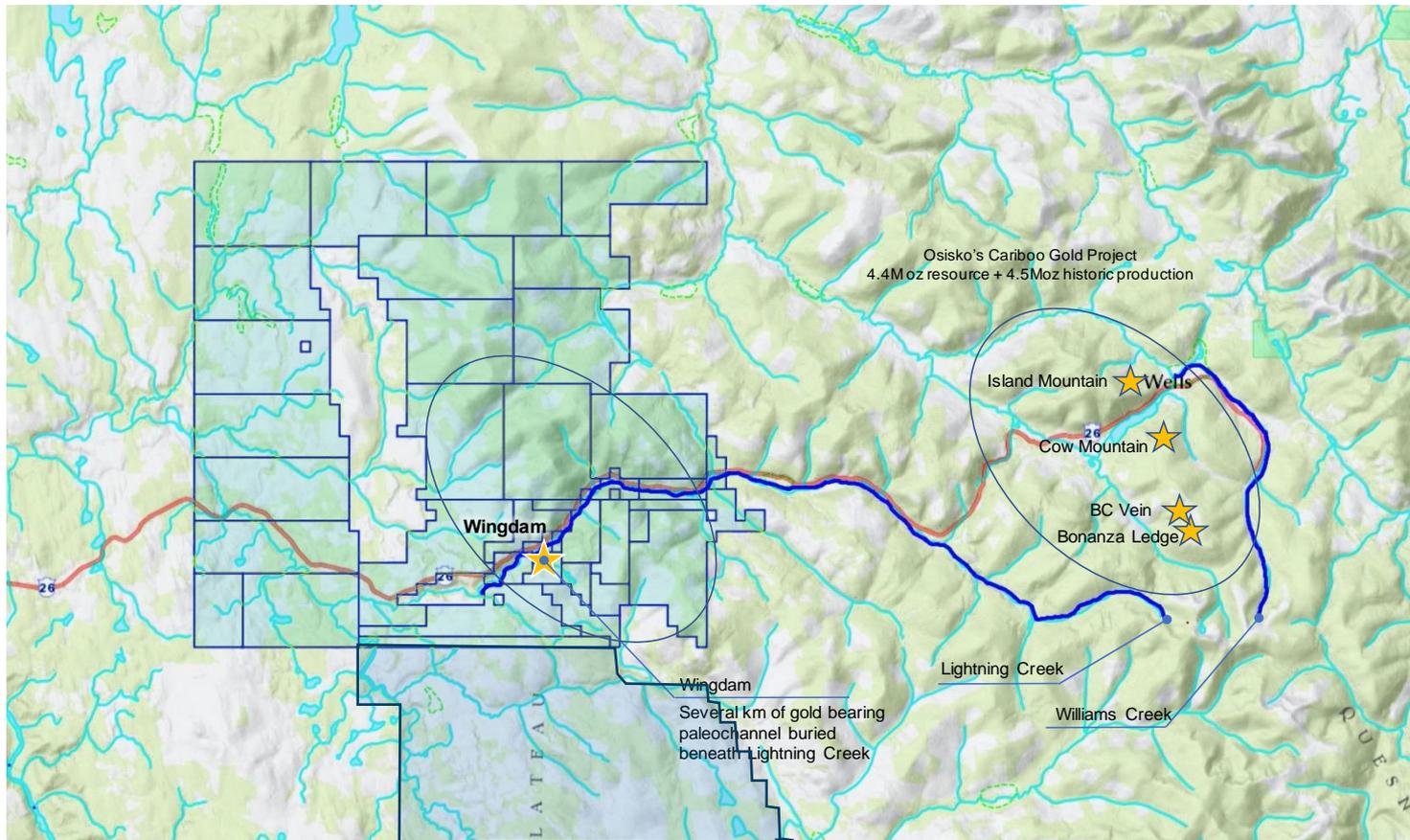




Lode Gold Source of the Cariboo Gold Rush

The 2 Richest Placer Streams of the Cariboo Gold Rush

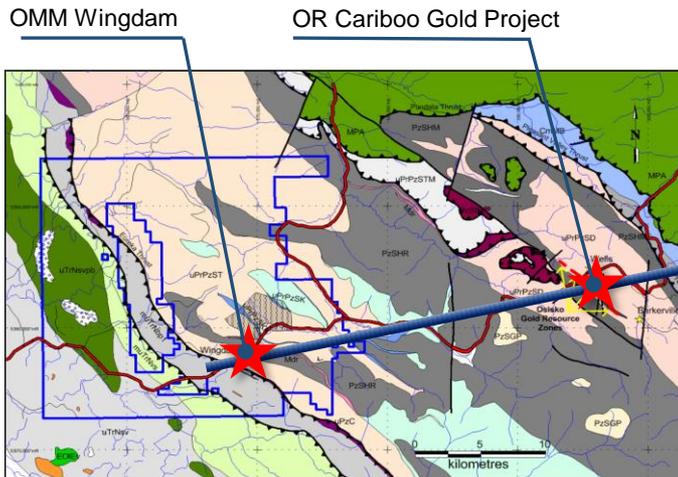
- Was Cariboo Gold the source of the placer taken from Williams Creek?
- Where is the source of the placer at Wingdam and Lightning Creek?



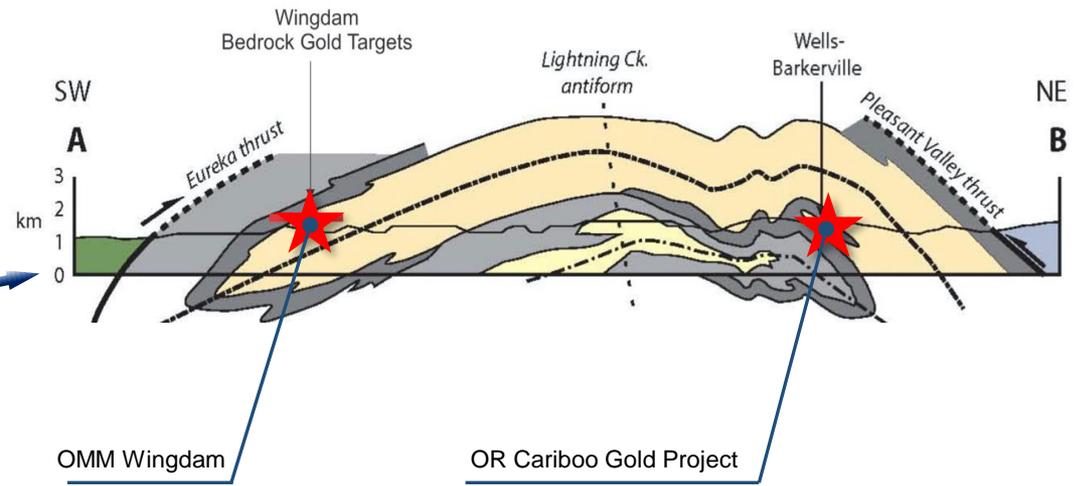


Mirror Image to Barkerville & Williams Creek

2 Parallel NW-SE Structures



Mirror Image Geology



Exploration Methodology



Our exploration methodology conducted by Axiom Group:

- Regional mapping and geology
- Airborne geophysics 2018/19
- SkyTEM electromagnetic survey (conducted earlier)
- Prospecting and outcrop rock sampling
- Soil grid sampling
- Diamond drill program (oriented core)



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