

**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.

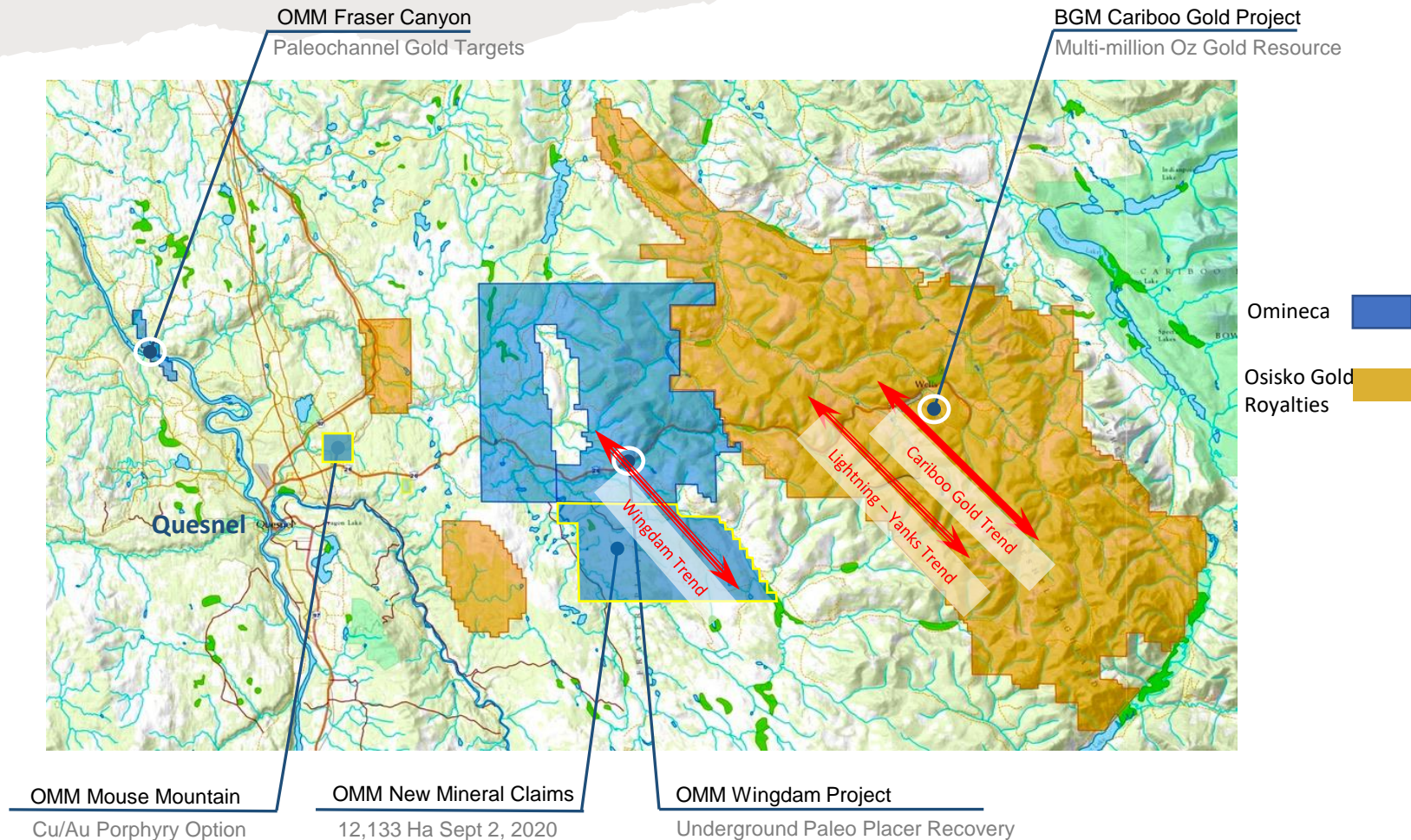


# Share Structure

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



# Synopsis – Wingdam Gold Exploration & Placer Recovery



## 2021 Underground Placer Recovery UPDATE

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## Dewatering – Settling Ponds



# Underground Camp and Decline Portal







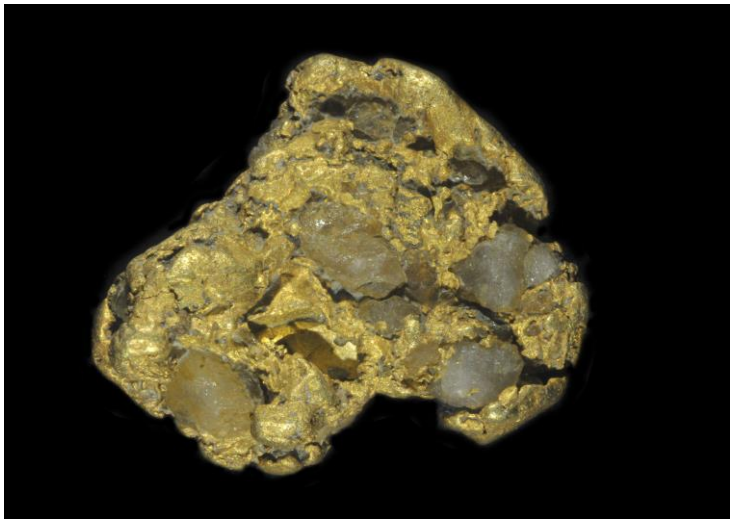
What We are Doing – 2012 Ground Freezing Technology



# Underground Water Trommel & Wash Plant Recovery - 2012







5.4kg (173.4 oz) of Placer Gold Recovered 2012



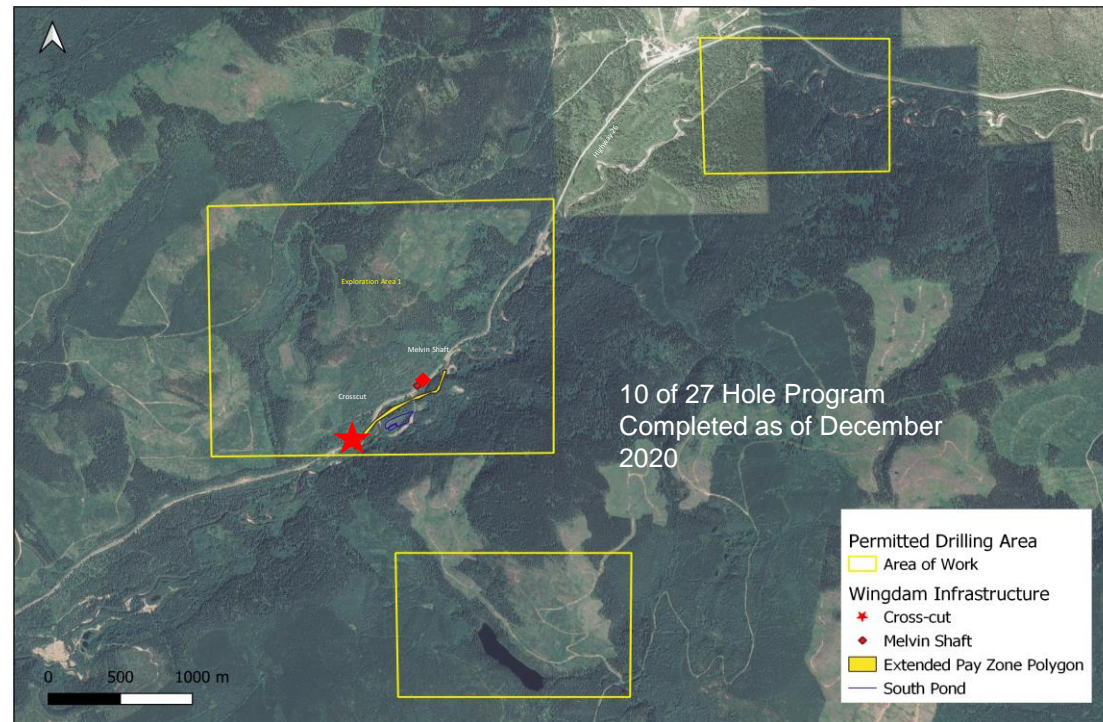
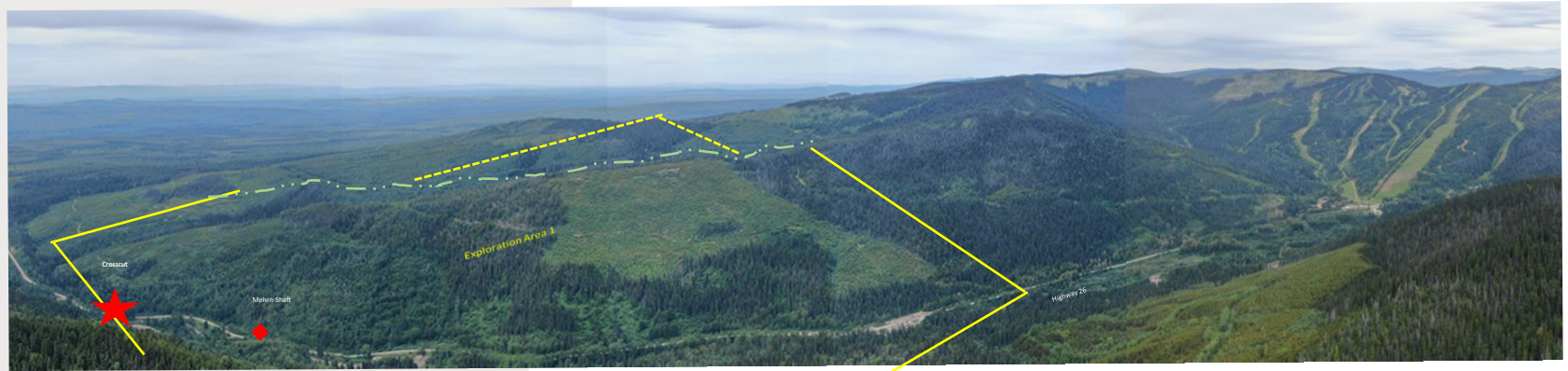


# 2020/21 Maiden Diamond Drill Program

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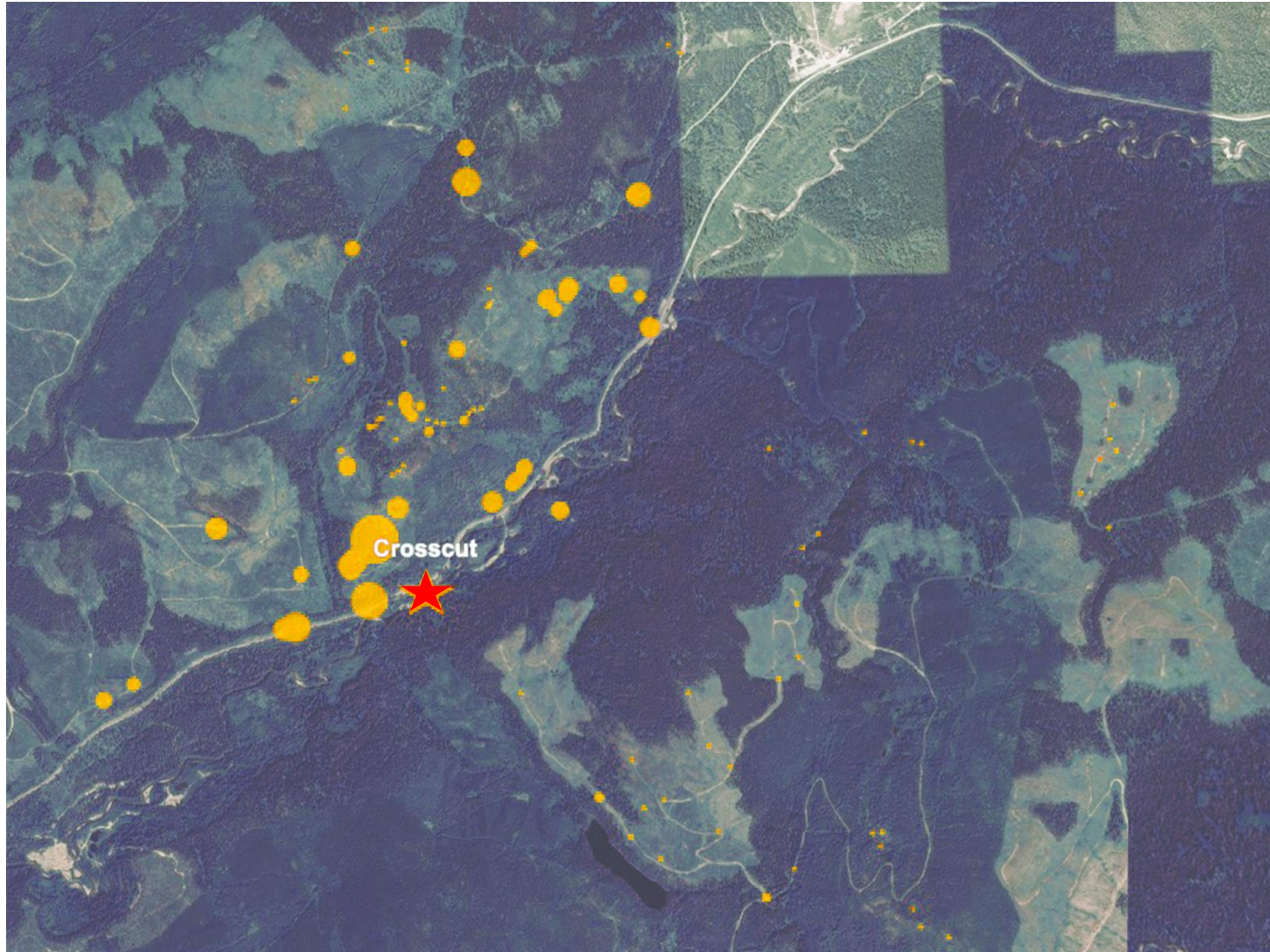
# Multi-Year, Multi-Area Drill Permit







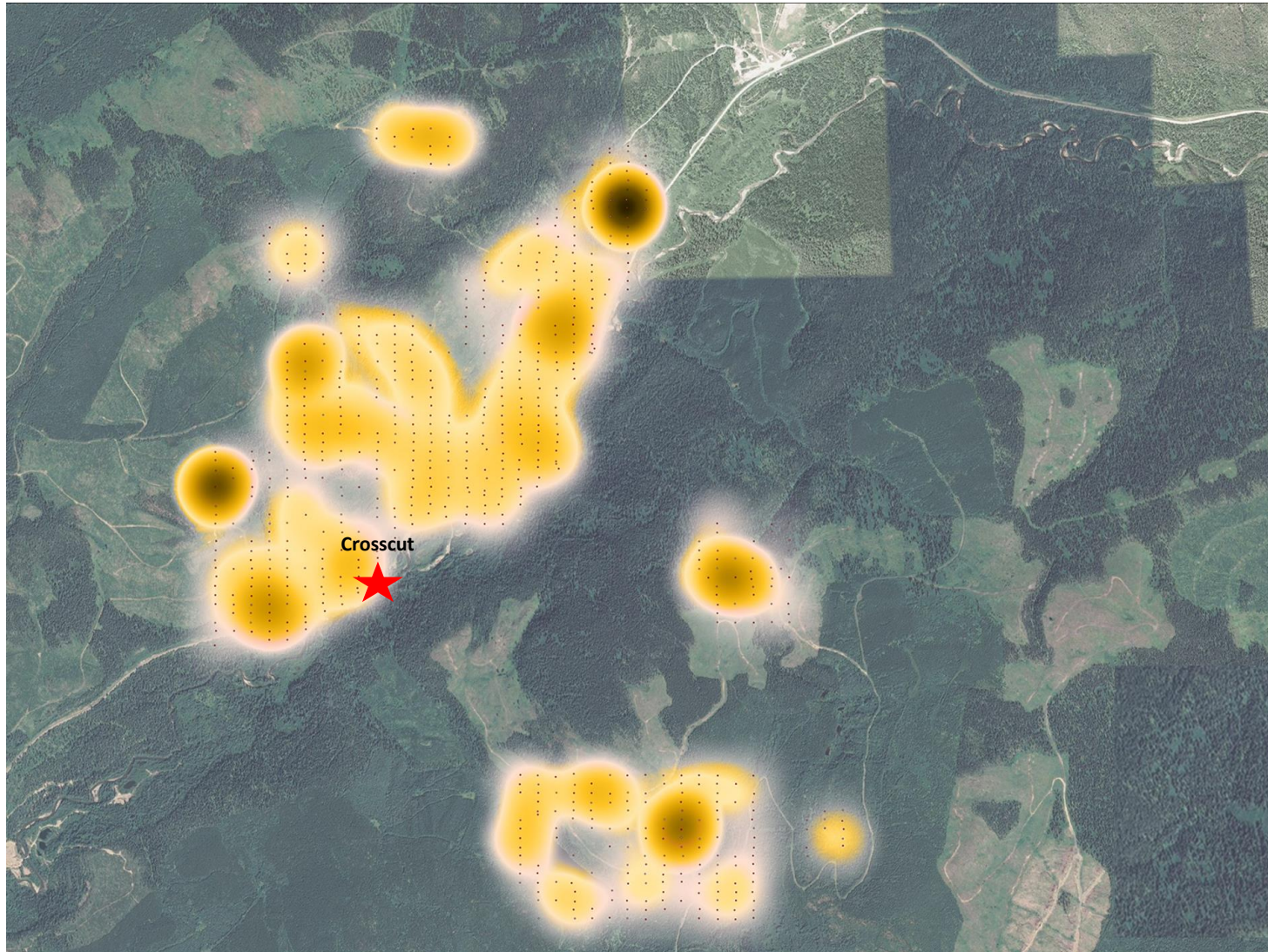
## 2020 Rock Sampling - GOLD



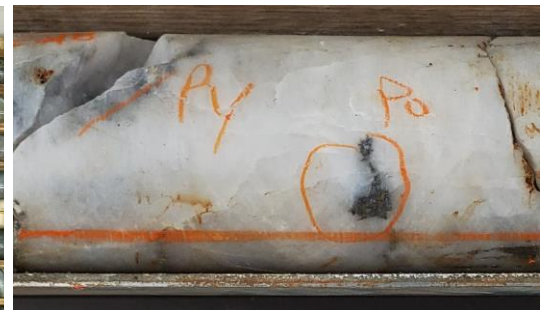
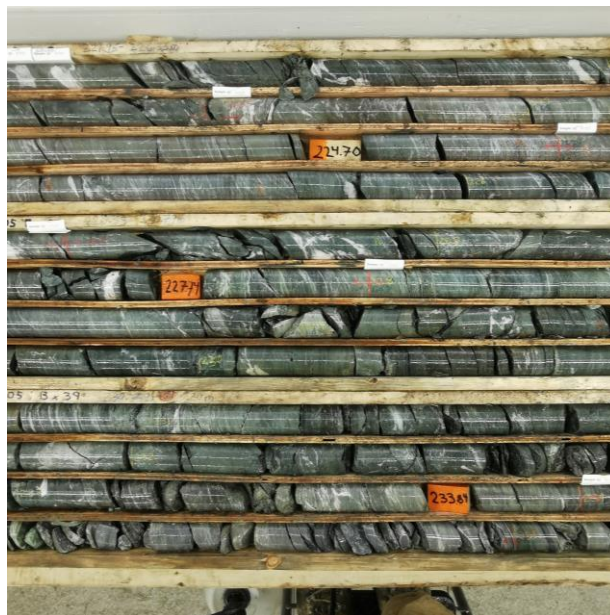




# 2020 Soil Sample Heat Map - GOLD







## 2020 Wingdam Drill Program Core Shack

# FOLLOWING

## Background From Full Presentation

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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.

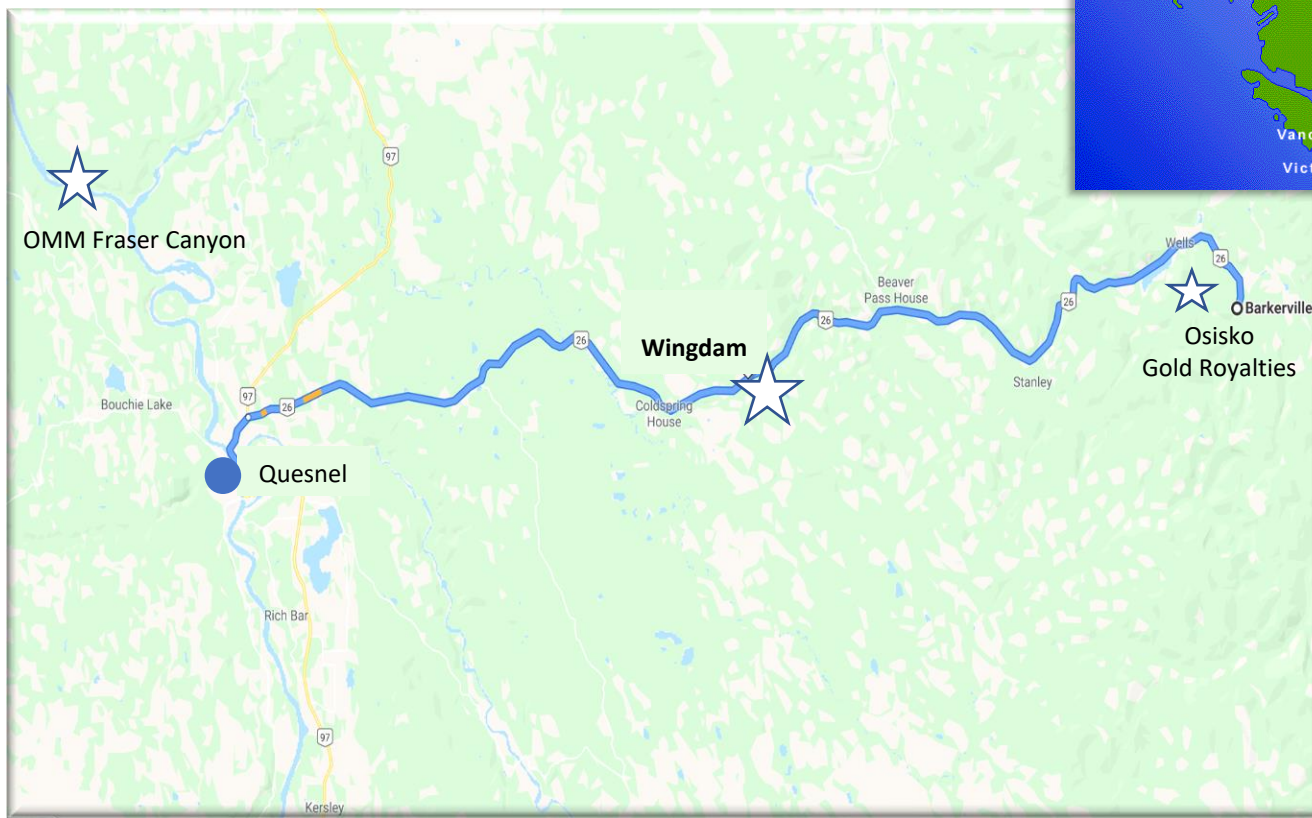
It was 49 North that originally funded and brought Saskatchewan based ground freezing technology to Wingdam, then a private company, and under **Len Sinclair**'s stewardship, in 2012 successfully recovered 5.4 kilos of placer gold locked under 50 meters of wet overburden beneath Lighting Creek.

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

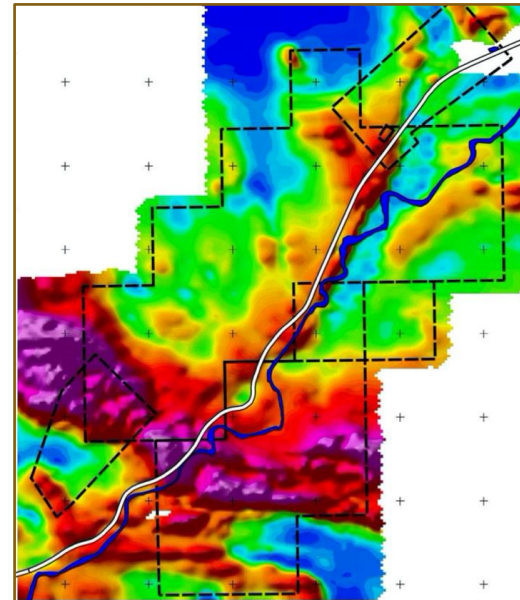




# Placer Recovery and Hard Rock Gold Exploration

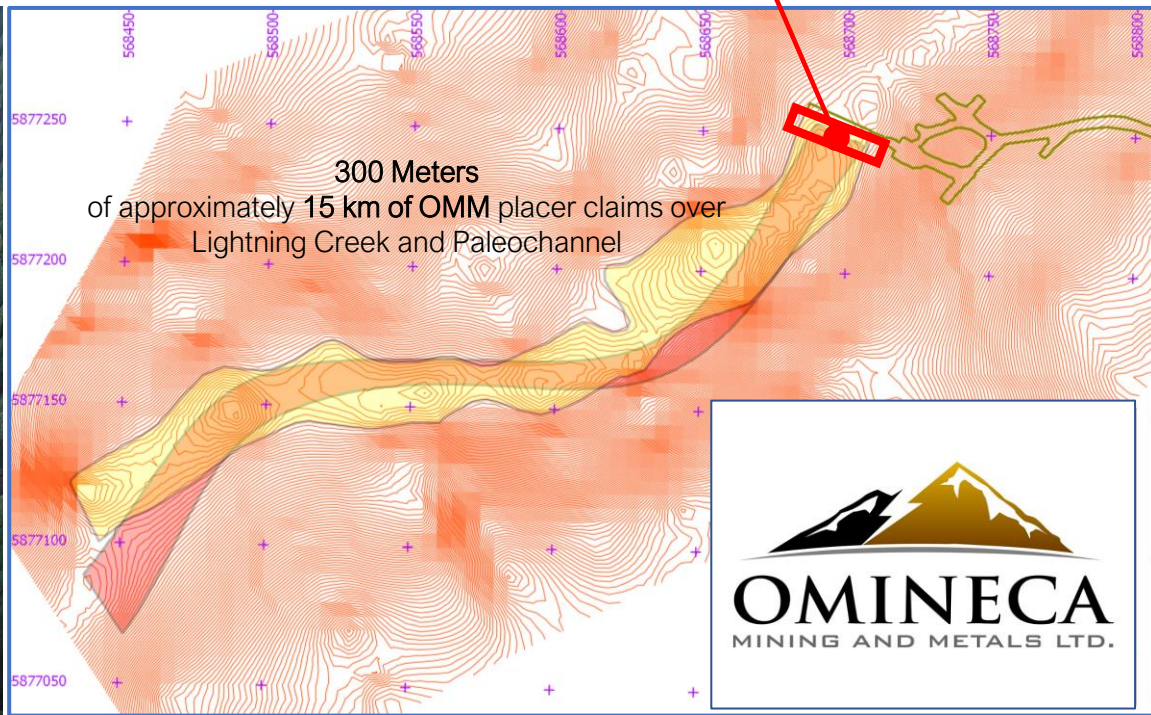
Both of OMM's **Wingdam** and **Fraser Canyon** Projects have two distinct yet related programs:

- 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.



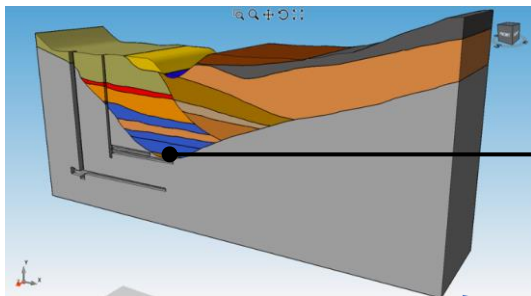
# Placer Gold Recovered From Buried Paleochannel

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





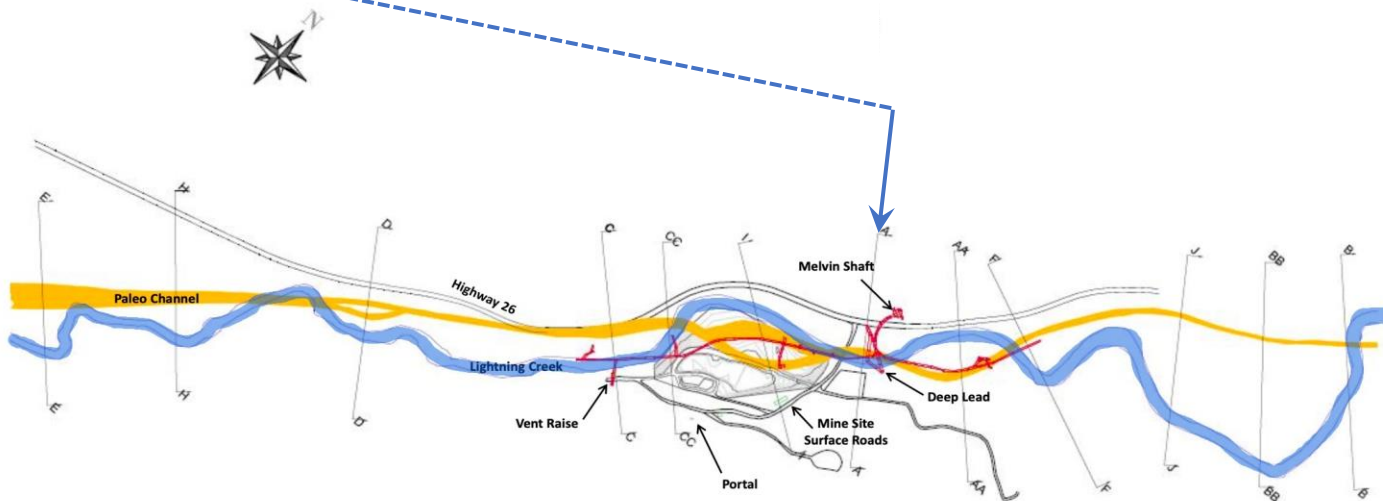
# Sections From Historic Drill Holes and Seismic



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"*

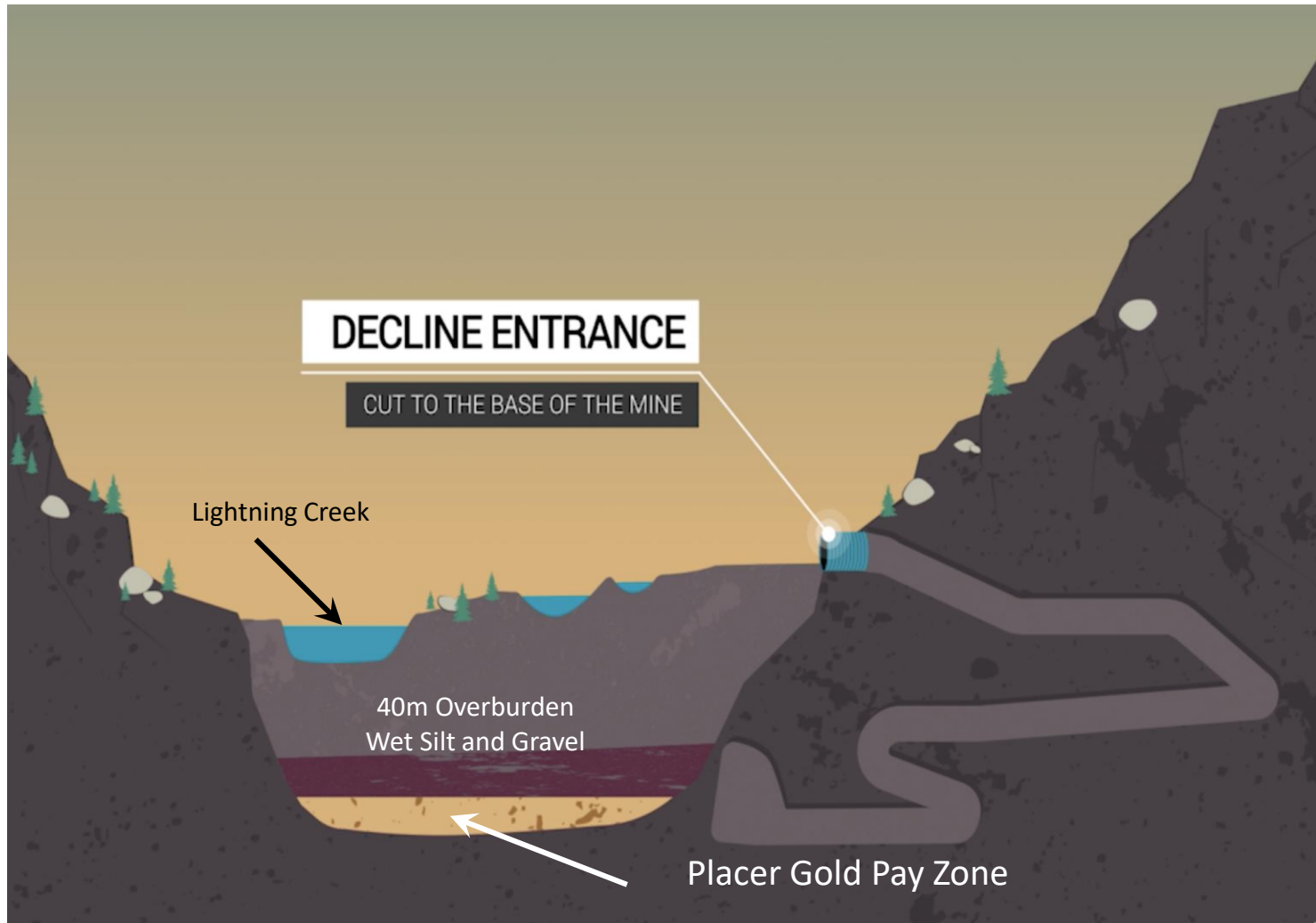


← OMM Placer  
Claims +2 km

First Phase 2.4 km

→ OMM Placer  
Claims +3 km

## 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

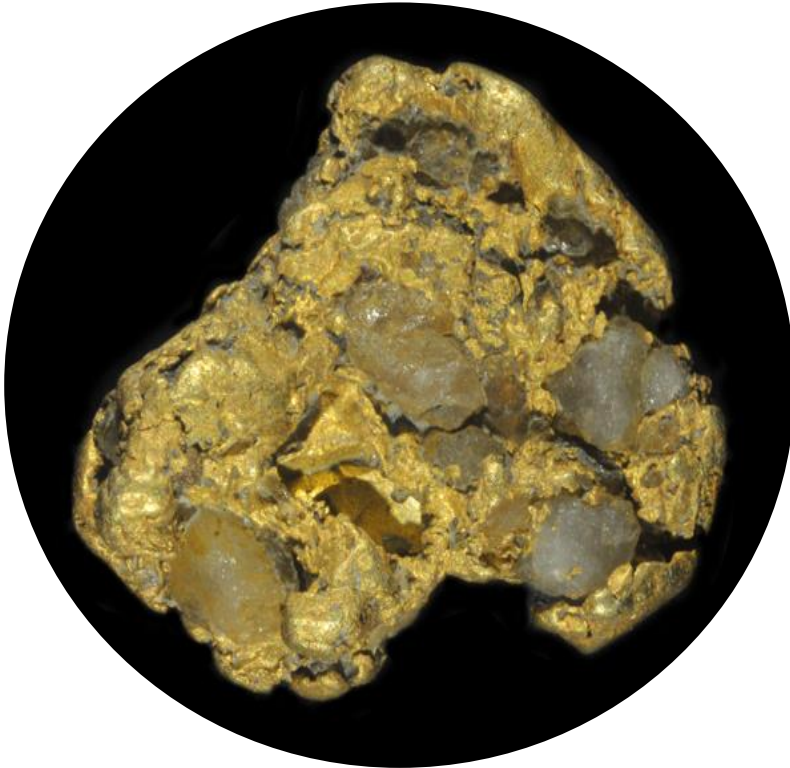


5.4 Kilos Placer Gold Recovered  
in 2012



# 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



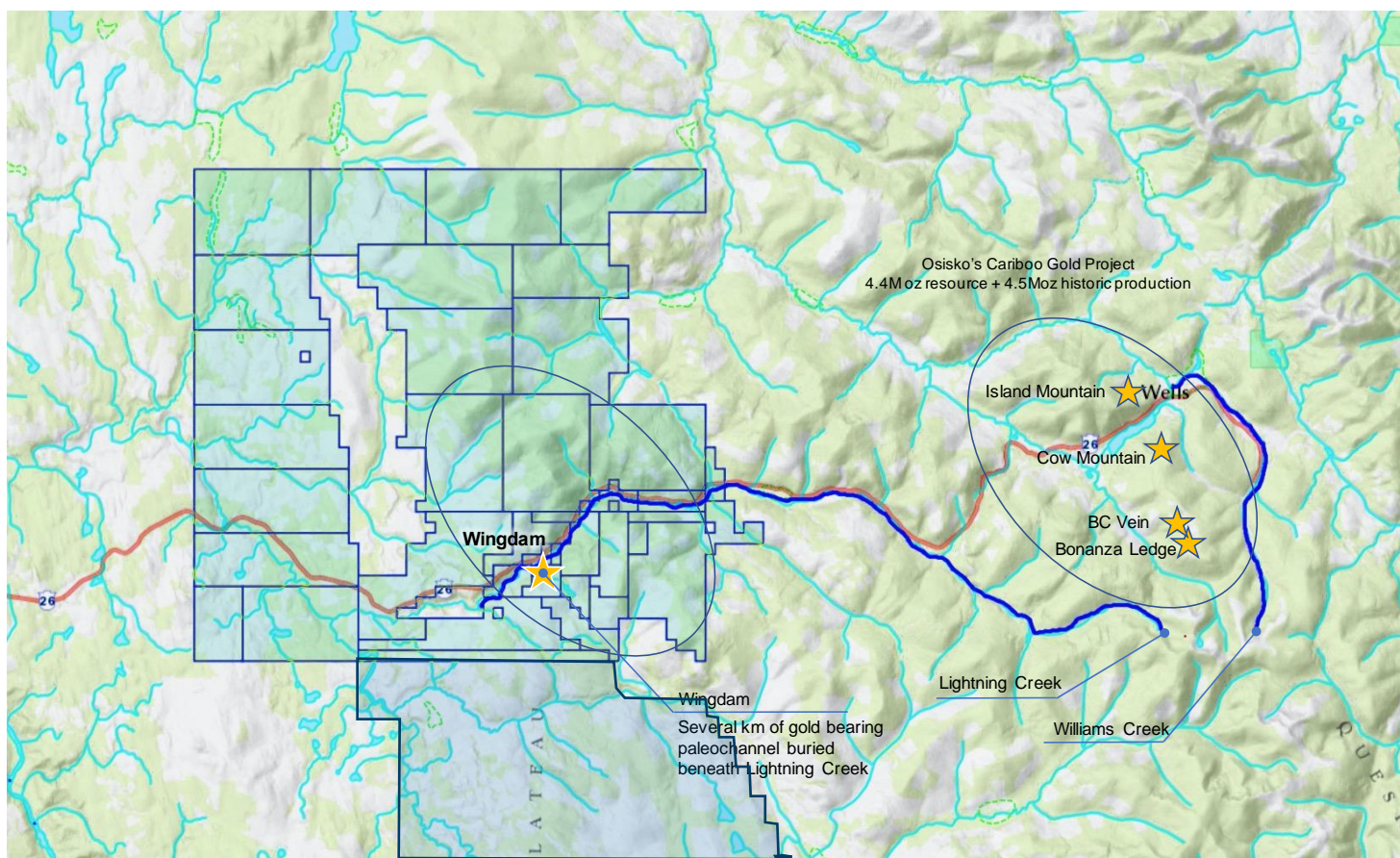




# Lode Gold Source of the Cariboo Gold Rush

## The 2 Richest Placer Streams of the Cariboo Gold Rush

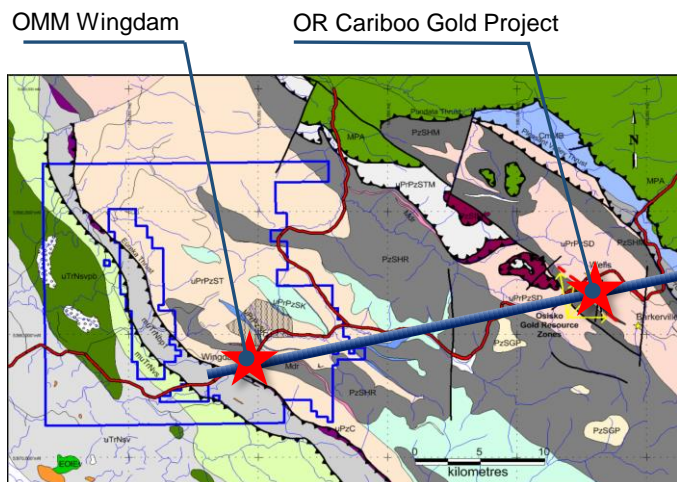
- Was Cariboo Gold the source of the placer taken from Williams Creek?
- Where is the source of the placer at Wingdam and Lightning Creek?



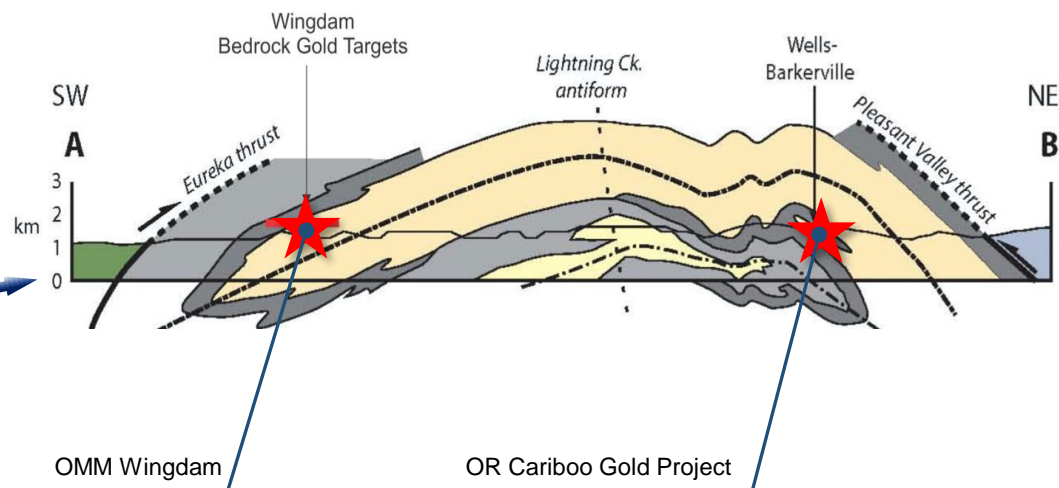


# Mirror Image to Barkerville & Williams Creek

## 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)



**TSXV: OMM**

**Omineca Mining and Metals**