









# **GOLD & SILVER EXPLORATION IN SOUTHERN QUEBEC**



#### **DISCLAIMERS**

#### This presentation includes certain "forward-looking statements"

All statements, other than statements of historical fact, included herein, including, without limitation, statements regarding future plans and objectives of the company, are forward-looking statements that involve various risks, assumptions, estimates and uncertainties, and any or all of these future plans and objectives may not be achieved.

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An investment in the Company is speculative due to the nature of the its business. The ability of the Company to carry out its plans as described in this confidential presentation is depending on obtaining the required capital. There is no assurance that the Company will be able to successfully raise the capital required or to complete each of the growth initiatives described. Investors must rely upon the ability, expertise, judgment, discretion, integrity and good faith of the management and Board of the Company.

#### **Reference materials source:**

NI 43-101 HPQ Report Beauce Gold, Histoire d'or en Beauce, Drouin 2007 Obalski 1898, Richer-Lafleche 2017 - 2021 Reference to historical gold figures in this entire presentation do not comply with the CIM reporting standards National Instrument 43-101 for mineral resources or reserves and should not be relied upon. While the Company considers these historical estimates to be relevant to investors as it may indicate the presence of mineralization, a QP for the Company has not done sufficient work to classify the historical estimates and Beauce Gold Fields is not treating these historical estimates as a current mineral resource







#### **BEAUCE**



#### **DITTON**



#### **QUEBEC PHOSPHATE**



# Site of Canada's first gold mine

# Historical Placer Gold Deposit:

Exploration Target 61 000 onces (2 200 000 m3 @ 0,87 g Au/m3) to 366 000 onces\* (2 200 000 m3 @ 5,22 g Au/m3)

Drilling Saddle Reef: Antiform structures source of placers Potential near term placer gold production

Placers are low CapEx Requires just gravity & water

Potential bedrock lode gold discoveries

29 Phosphate properties

Greater variety of host rock – anorthosite, petalite, dravite

Canada & Quebec added Phosphate to critical & strategic minerals list







### **CAPITAL STRUCTURE**

**Shares Outstanding: 98,126,971** 

Ownership:

President & CEO 11% HPQ Silicon 3% Insiders 2%

Spin-Out of





IPO: February 2019

#### **Management & Directors**

PATRICK LEVASSEUR: President & CEO, Director

**BERNARD J. TOURILLON,** B.A.A, MBA – Chairman, Director

ROBERT GAGNON - P. GEO - Director,

Geologist, President Explomine

ANN LEVASSEUR, B.COM,- CIM – Director

Portfolio Manager, Investment Advisor

LAM CHAN THO, Bsc. A., Eng. MBA, LLB - Director

**FRANCOIS RIVARD - CFO** 

JEAN BERNARD - P.Geo Geologist











### WHY BEAUCE GOLD FIELDS?

New lode gold discoveries

Near term potential for placer gold production

We want to know, where did all this placer gold come from?

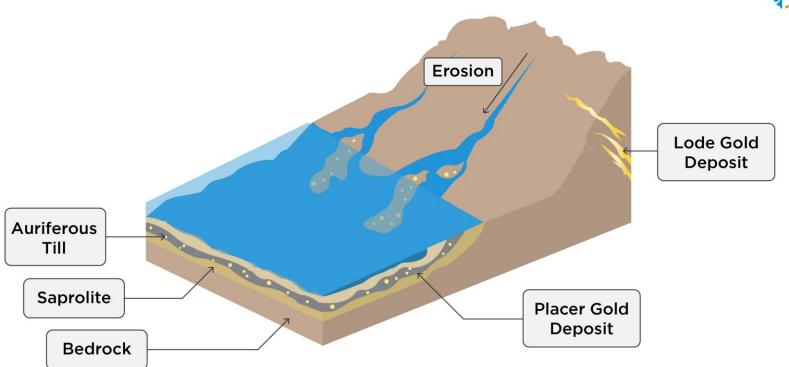




### PLACER GOLD TO LODE GOLD EXPLORATION

#### What is Placer Gold?

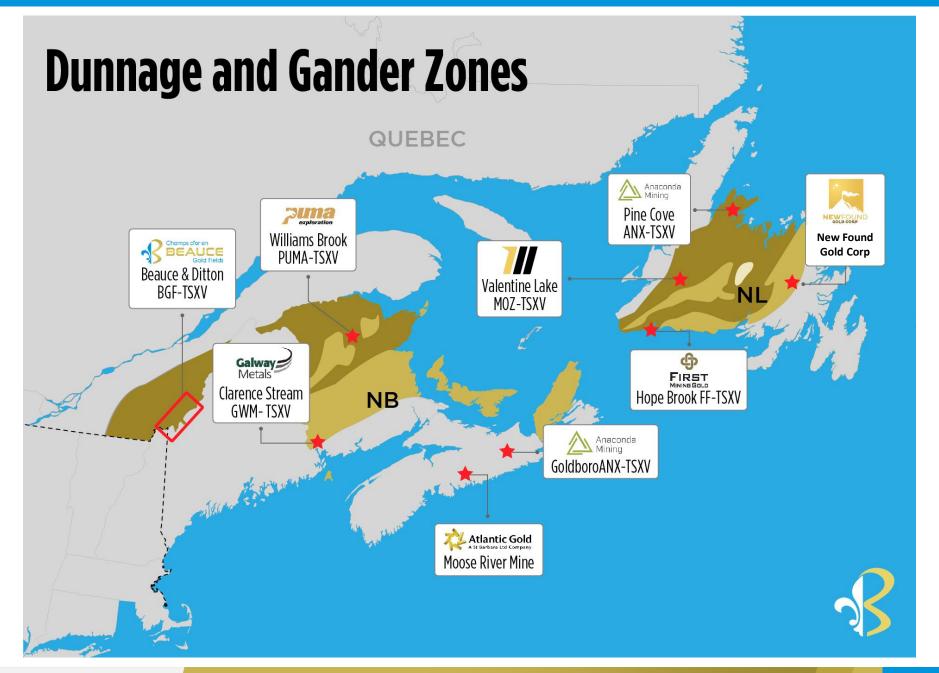
It's gold that was has been dislodged from a bedrock source by erosion or other forces of nature and transported to form a secondary deposit















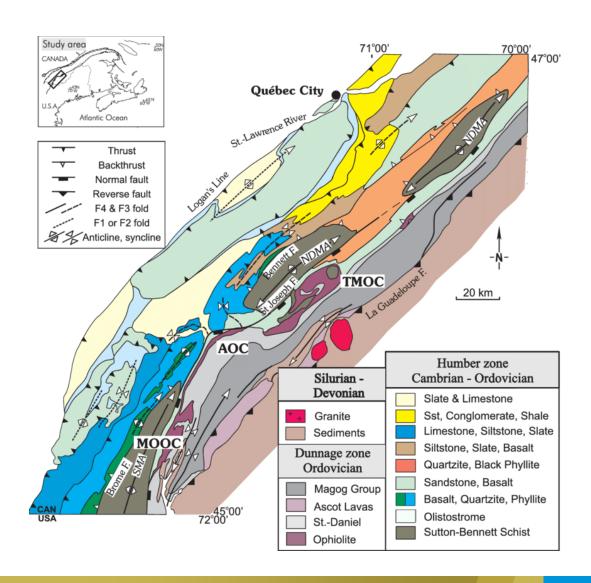




#### **REGIONAL GEOLOGY OF THE BEAUCE:**

The Beauce gold sector straddles two of the major tectonostratigraphic subdivisions of the Appalachians. The latter, the Gander zone to the northwest and that of Dunnage to the southeast.

Gold mineralization mainly follows fault contacts between volcanic and sedimentary rock formations for example the Beauceville and St-Victor Formation on our Beauce Gold project or the Bella Fault contact between the Compton Frontenac Formations and found on the Ditton project.













### **PLACER GOLD DISTRICTS IN CANADA**

#### Recent placer to lode gold discoveries attracting majors

Beauce is the last remaining Canadian placer to hard rock gold exploration project to be explored

After decades of being overlooked, recent lode gold discoveries in the Yukon and BC placer fields has lead to a modern gold rush with major gold companies investing in historical placer gold properties

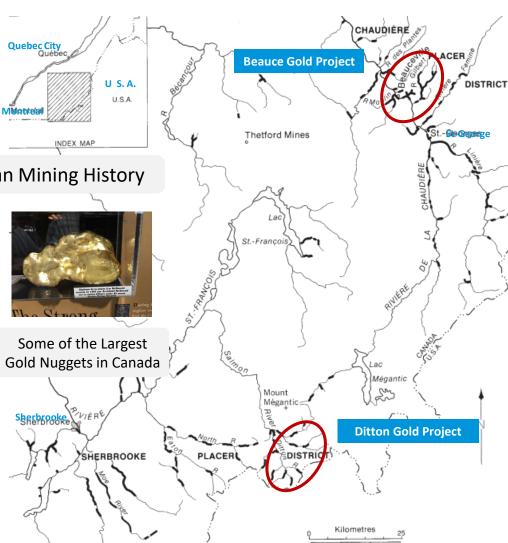








### Biggest Claim Holder in Largest Placer Gold District in Eastern North America







First Canadian Gold Company



First gold rush in Canada before the Klondike



Largest Gold Dredging Operation in the East



Placer Mines 1847 to 1914





Auriferous placer .....

#### **BIGGEST BLUNDER IN CANADIAN MINING HISTORY:**

#### 100 years no gold exploration in Southern Quebec

Once gold was discovered in the Beauce in 1847, Charles-Joseph Chaussegros Delery, the great grandson of Seigneur (Lord) Chaussegros DeLery, claimed the family held patent rights to gold & silver in the Beauce. He hastened to obtain the letters patent of the government of London granting him the exclusive and perpetual control of the exploitation of all the precious metals found on the lands of his seigneury.

The Seigniorial system was abolished in 1854. The former tenants of the seignory in the Beauce, having obtained full ownership of their land, contested the validity of the gold patents.

The Chaussegros DeLery family imposed large royalties on miners. Lawsuits and at times violent opposition erupted between mining companies, local miners and farmers.

To prevent Seigniorial descendants from monopolizing Quebec's mineral resources, the government established in 1864, the Gold Mines Act. The introduction of the concept of mineral claims brought about a real conceptual revolution. It constitutes the very foundation of the mining regime we know today.

1881, the provincial government challenged the validity of DeLery's patent in court and demanded that it be declared illegal and quashed. In 1884, the Courts upheld the DeLery family and many other gold patents rights.

Outcome, it became impossible throughout Southern Quebec for mining companies to stake claims for mineral exploration. It was only in 1985 that the provincial government took back mineral rights and made the region available for claiming.





Seigneur\* Chaussegros DeLéry and map of the Rigaud Veaudreuil Seingory (Estate) today known as the Beauce

\*A Seigneur was an aristocratic title equivalent to a Lord, The Seigniorial system was a feudal system of land ownership before the British invasion of New France (Quebec) in 1759.

#### **Chaussegros DeLery family VS Miners**











### **BEAUCE GOLD PROPERTY**

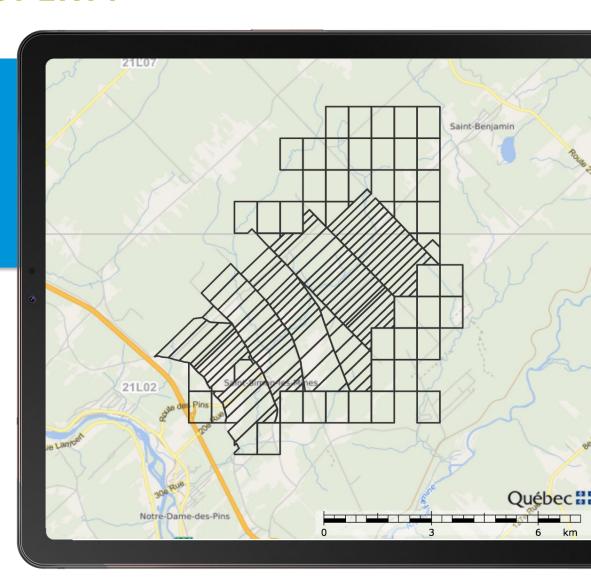
# **Claims 240+**

claims covering the historical Beauce placer gold field

# **Real Estate**

Company owns 7 lots, 175 acres













#### 1847 - 1914: PLACERS MINED UNDERGROUND



The historically mined placer gold deposit sits in units of saprolite and a diamictite (auriferous) till covered by a thick glacial till overburden



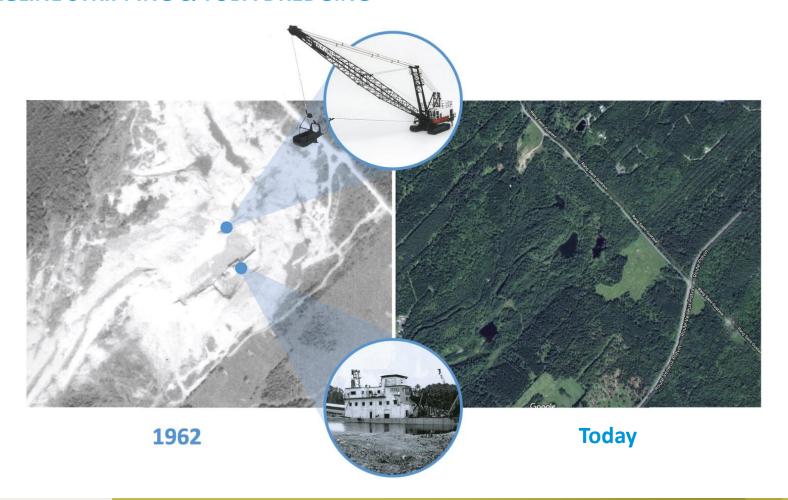






# 1960s: LARGEST PLACER GOLD MINING OPERATION IN EASTERN NORTH AMERICA

#### **DRAGLINE STRIPPING & YUBA DREDGING**







### **BEAUCE GOLD PROPERTY: 2 OBJECTIVES**

#### PLACER GOLD EXPLORATION



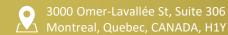
Expand upon the historical placer gold deposit and evaluate its potential for placer gold mining

#### LODE GOLD EXPLORATION



Trace the historical placer gold deposit back to its bedrock sources in order to make lode gold discoveries







### **Placer Gold Deposit Underestimated**

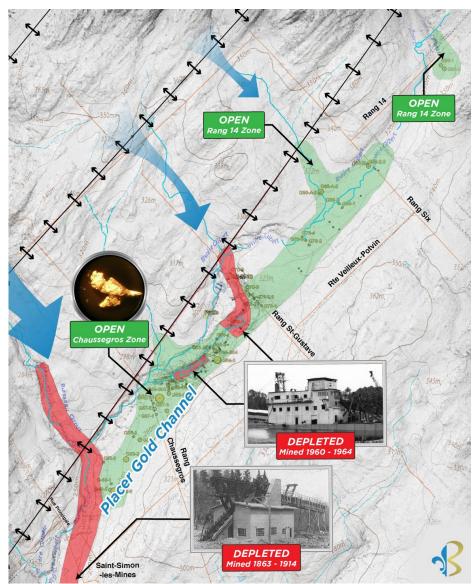
Kilometers of unexplored channel

Tributaries supplied the Gilbert River Valley with Tertiary and Quaternary gold

Origins of gold grains are both detrital and chemically derived

Auriferous Saproloite unit deeper & broader than historical estimates

Possibility of increasing the exploration target of **61,000** ounces (2,200,000 m3 @ 0.87g Au/m3) and **366,000** ounces\* (2,200,000 m3 @ 5.22 g Au/m3)







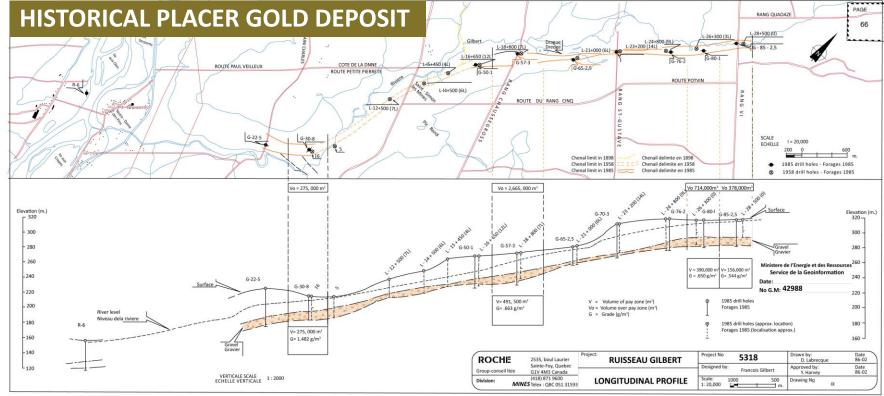


### LARGEST HISTORICAL PLACER GOLD DEPOSIT IN

### **EASTERN NORTH AMERICA**

Gold Exploration Target for the entire historical placer channel ranges between **61,000 ounces** (2,200,000 m3 @ 0.87g Au/m3) and **366,000 ounces\*** (2,200,000 m3 @ 5.22 g Au/m3) \*source: Beauce NI43-101 Technical Report 2018.







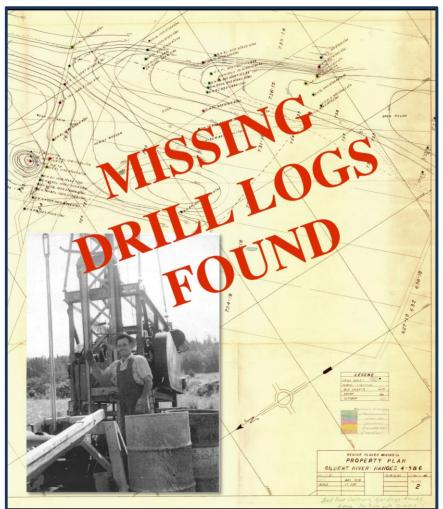


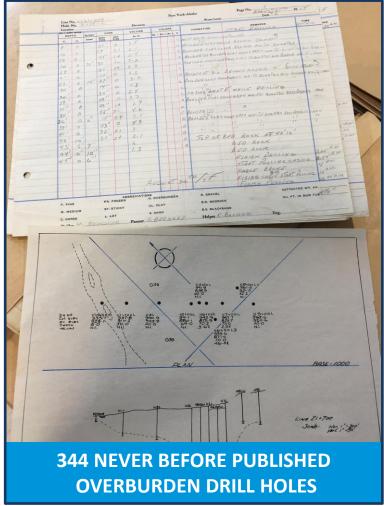






#### Lost 1950s Overburden Drill Logs & Records Found













# **Historical Placer Gold Deposit Underestimated:**



### **Auriferous Saproloite open laterally and at depth**



3000 Omer-Lavallée St, Suite 306







## Placer Exploration: Horizontal Directional Drilling



Adapting a technology commonly used in civil engineering projects for placer gold exploration

Use of horizontal direction drilling (HDD) to sample layers of auriferous till and saprolitne



2.75 g/m3 Au





#### **BEAUCE GOLD PROPERTY**

#### **LODE GOLD EXPLORATION: FIND THE SOURCE!**

To trace the historical placer gold deposit back to bedrock sources in order to make lode gold discoveries

Focus always been on placer mining. Lode gold exploration in the area has been sporadic and inefficient. As a result, almost no available data on the surrounding bedrock geology!

We had to start from scratch, but as you will see, we made breakthrough discoveries!





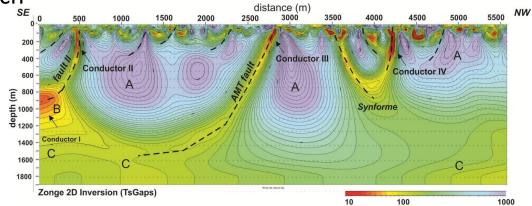




### First to extensively explore surrounding bedrock:

Historical documentation research

- More than 20 km of Geophysics
- Hundreds of rock samples
- More than 50 trenches dug
- •46 diamond drill holes











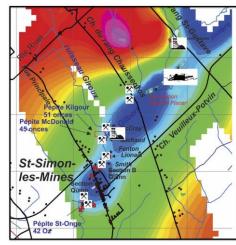




### **EXPLORATION MILESTONE: GEOPHYSICS**

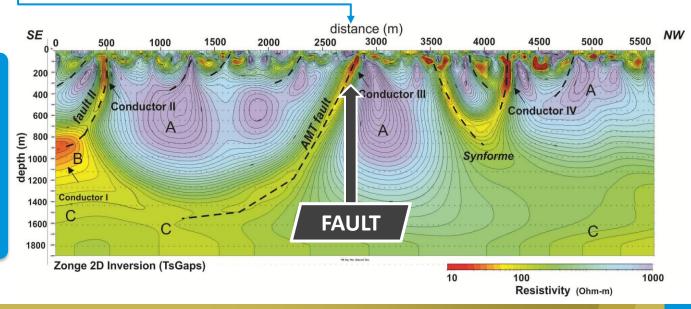








Geophysics identified a major Fault line beneath the Placer gold channel. The Fault line is the contact point between the Beauceville Volcanic Bedrock Formation and the St-Victor Sedimentary Formation

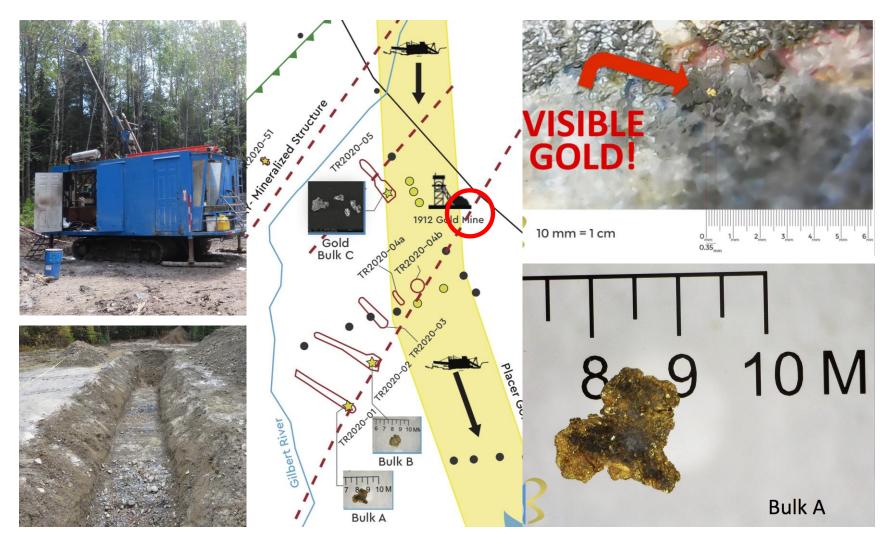








#### **Test Drilling & Trenching Confirms Gold in Bedrock**











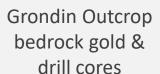




#### Geochemical and Lithology Studies Identifies Antiform as Likely Origins of Placer Gold

#### A PERFECT MATCH







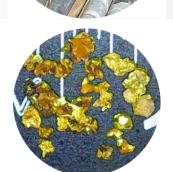
Bedrock Gold same as Placer Gold



Same pathfinder elements As - Bi - Sb- W



Placer Gold grains from saprolite placer channel



Similar finesse,
Silver to Gold ratios



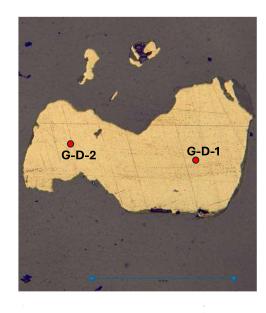




### There's also SILVER...

Drill Cores – 23% Antiform Gold Grains – 15% Placer Gold Nuggets – 13% 1863 Geological Survey – 13%

15% Silver





ROYAL CANADIAN MINT, OTTAWA

RECEIVED JAN 1 8 1962 Date 16 January 19 62 MEMORANDUM of out-turn of Gold Bullion 1962 from Beauce Placer Mining Co. Ltd., P.O. Box 132, Beauchville, P.Q. Received for Refining on..... ASSAY REPORT GROSS VALUE MINT DEPOSITOR'S FINE SILVER NET VALUE BEFORE MELT GOLD BILVER DEPOSIT AFTER MELT CHARGES SILVER TOTAL MARKS FINENE S 1000THS 1.09390 6.550391 225 146.400 142.550 819.75 108. 116.855 15.40 4,271.10 16.85 4,287.95 17.25 Handling charge @ ll¢ per oz. fine gold Cheque & one copy of Report to Beauce Placer Mining to. Ltd., Sulte 908 - 380 Bay St., Teronto, Onto One copy of Report to Beauche Placer Mining to. Ltd., P.O. Box 132, Beaucheille, P.Q. /ep



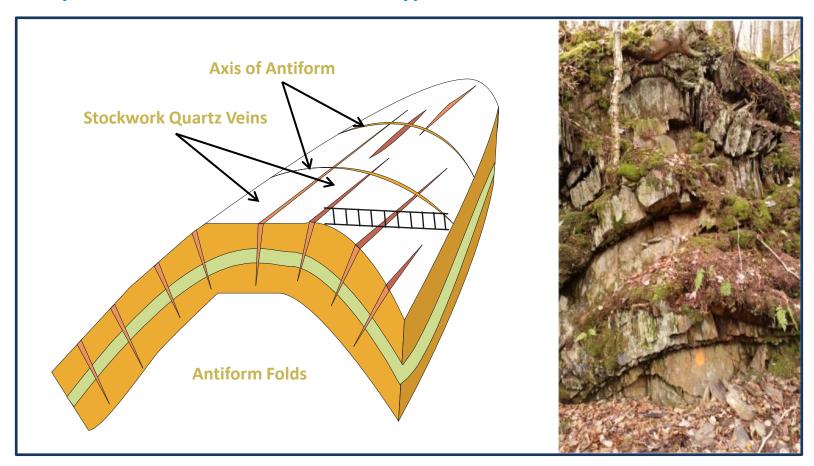
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#### **Discovery of Antiform Folds - Saddle Reef Type Formations**



Proposed that nuggets & coarse gold formed in quartz vein pockets of hydrothermal breccias in the domes of Antiform Folds



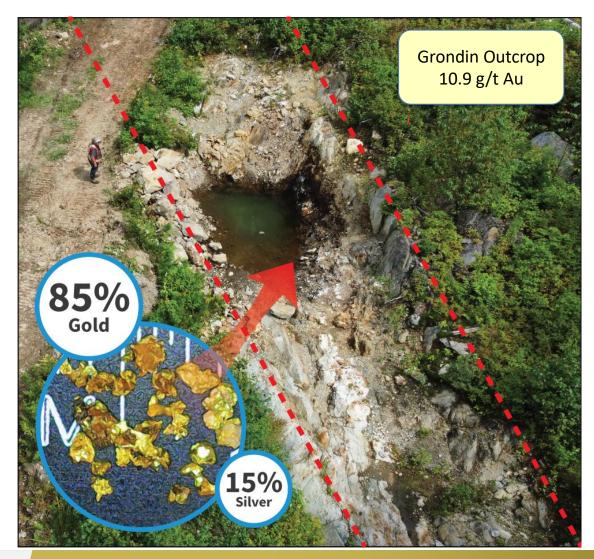




### **EXPLORATION DISCOVERY**



**Grondin Zone - Discovery of gold mineralized Antiform Outcrop** 











**Grondin Zone – Diamond Drilling of the mineralized Antiform Structure** 







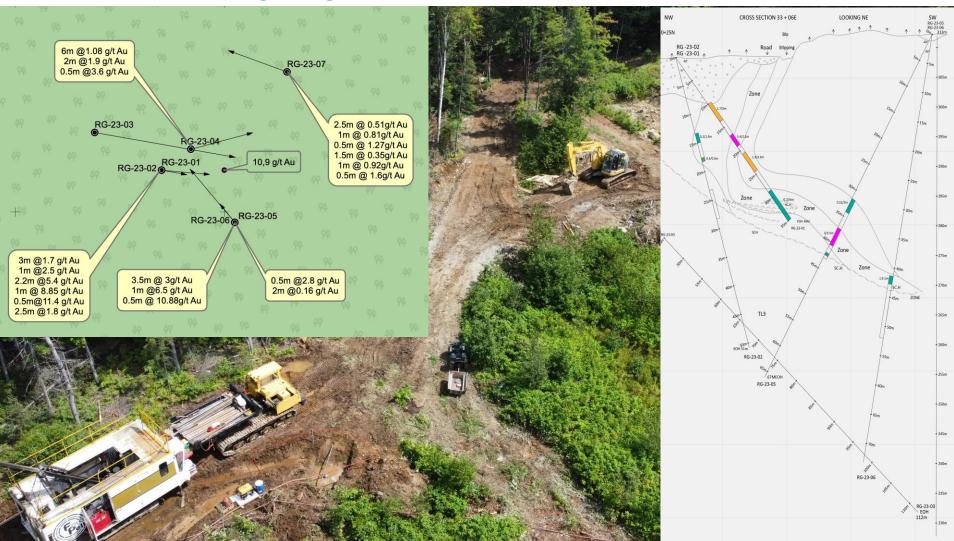




### **EXPLORATION DISCOVERY**



#### **Grondin Zone – Drilling hit a gold mineralized Antiform Structure**



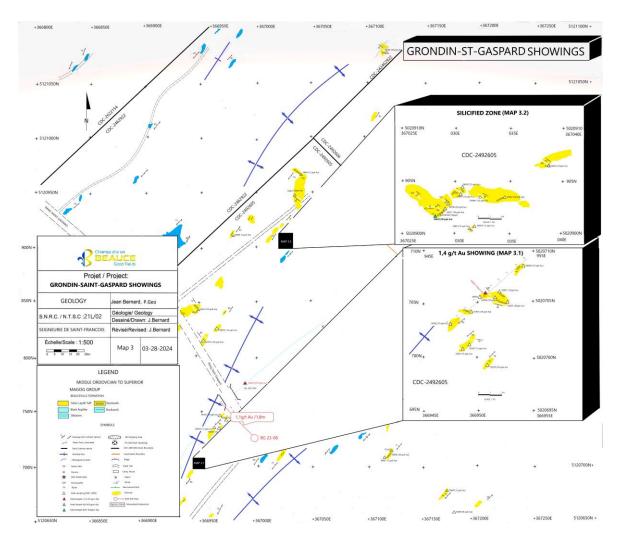


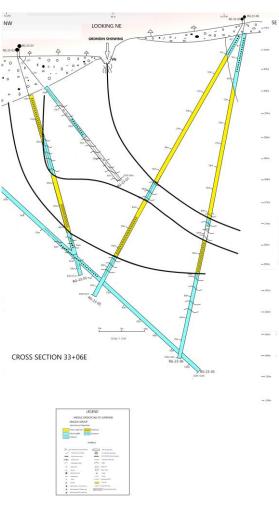






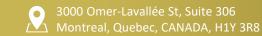
#### **Antiform Structures Drilled – Orogenic - Stockworks in Felsic Lapilli Tuff**



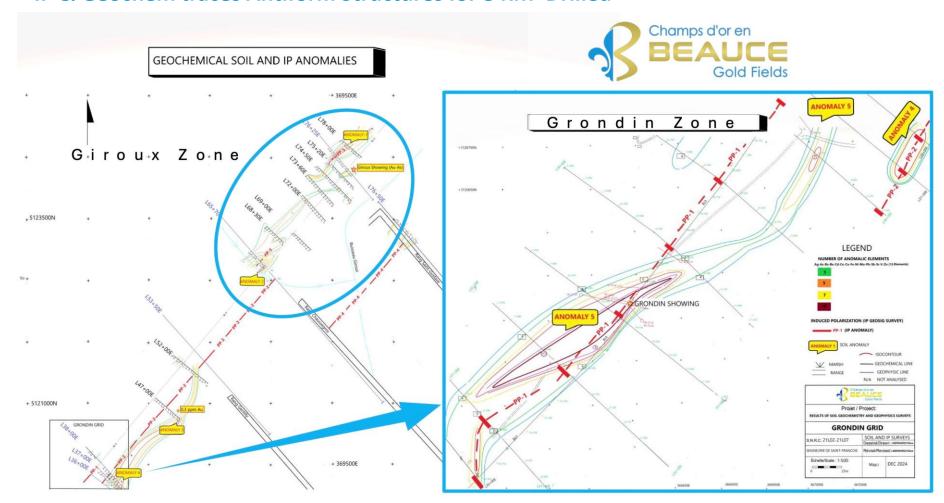








#### IP & Geochem traces Antiform Structures for 8 KM Drilled





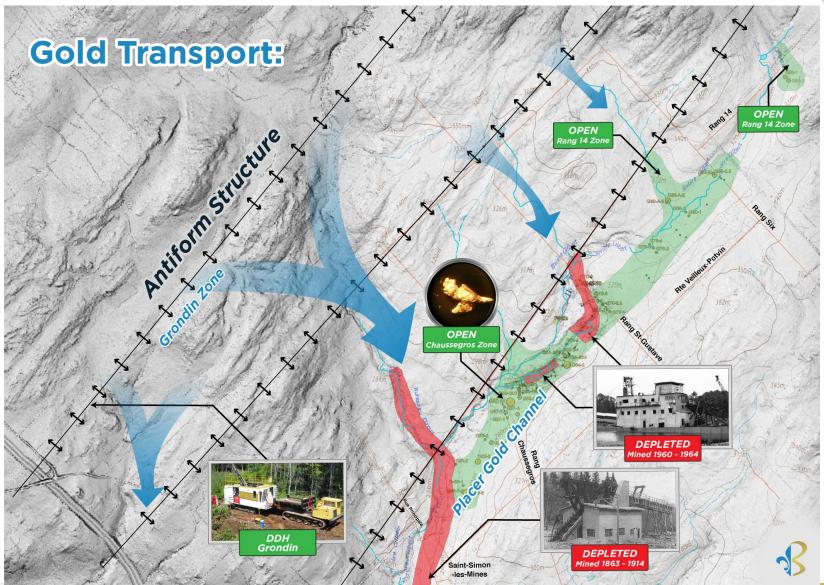




### **BREAKTHROUGH DISCOVERY**



**Saddle Reef Formation - Antiform Structures likely source of Placer Gold** 

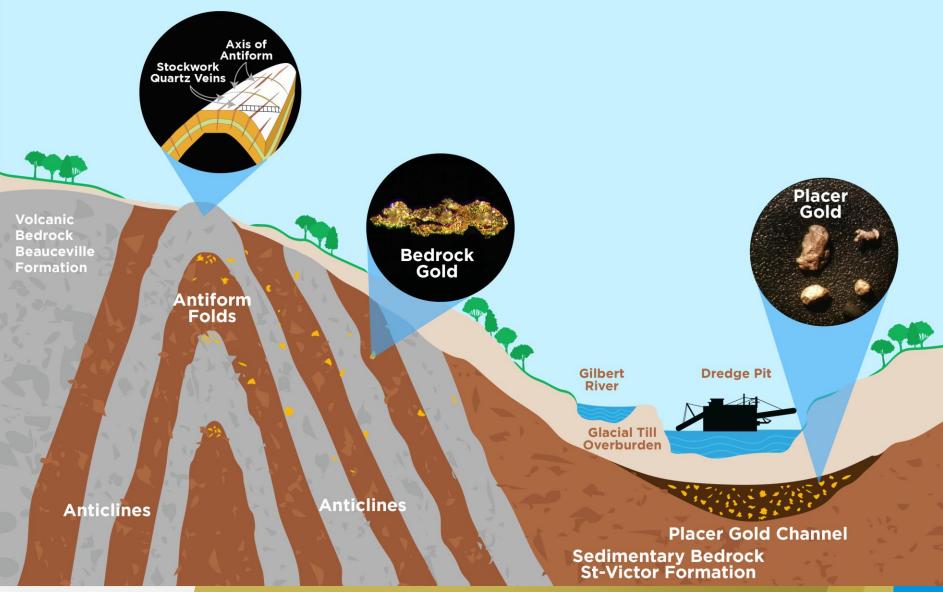








#### **GEOLOGICAL MODEL - SADDLE REEF FORMATION**















SADDLE REEFS
BEAUCE VS BENDIGO

Bendigo region of Australia, which has so far produced 22 million ounces of gold, holds astonishing historical similarities to the Beauce

# Placer gold found unexpectedly

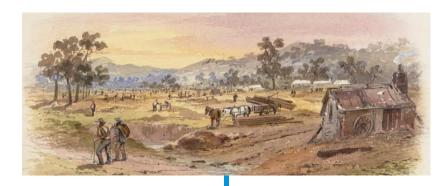


## 1851

Gold nuggets discovered by women washing clothes in Bendigo creek

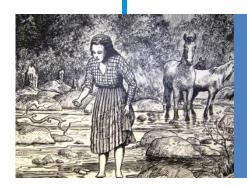
#### News led to a placer gold rush

1850s — Rapid expansion of alluvial mining with of thousands of miners working



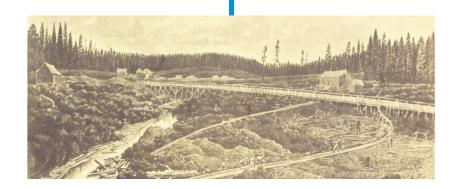


Beauce



### 1847

Gold nugget discovered by Clothide Gilbert as she walked her horse across the Gilbert creek





As surface alluvial gold ran scarce, miners dug deep shafts and tunnels to get to richer placer gold deposits

Both regions produced some of the largest gold nuggets



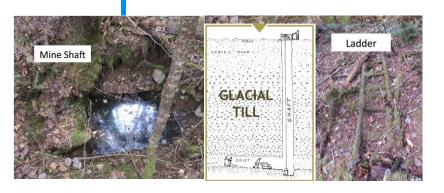
Section of a Gold Mine At the Bendigo Diggings



1869
the Welcome
Stranger Nugget over
2,520 troy
ounces

Bendigo

Beauce





1866
McDonald Nugget
45 ounces





By the early **1910s**, gold production petered out

The Saddle Reefs – are quartz structures that formed in the anticlines of the folded bedrock. Believed to be the source of the gold placers



Underground placer and lode gold (Saddle Reefs) mines

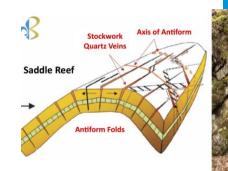


Bendigo Saddle Reefs proved to be incredibly rich in gold and were mined extensively from the 1850s onward





Placer gold mines



In 2021, Beauce Gold Fields discovers Saddle Reef formations





#### **Today**



Fosterville Gold Mine, Bendigo

The Fosterville mine is a high-grade, low-cost underground gold mine.

Bendigo

Beauce



**Fields** drill program discovered a high-grade gold anticline structure of

a Saddle Reef outcrop.



#### **BEAUCE GOLD PROPERTY: EXPLORATION GOING FORWARD**

## DRILL FOR LODE GOLD DSICOVERIES

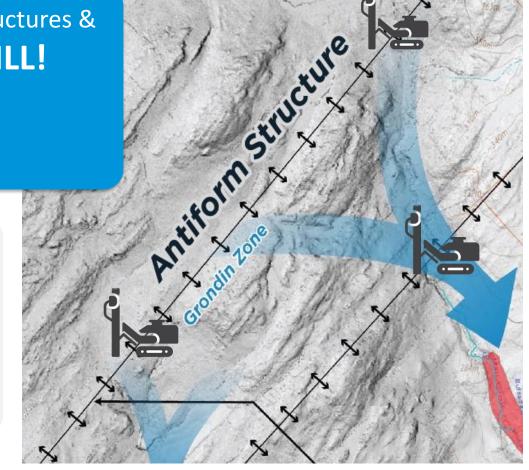




Use of geophysics to delineate antifrom structures

Diamond drill the structures along strike and at depth

Saddle Reef model suggests the possibility of high-grade pockets at depth in axis of antiform folds







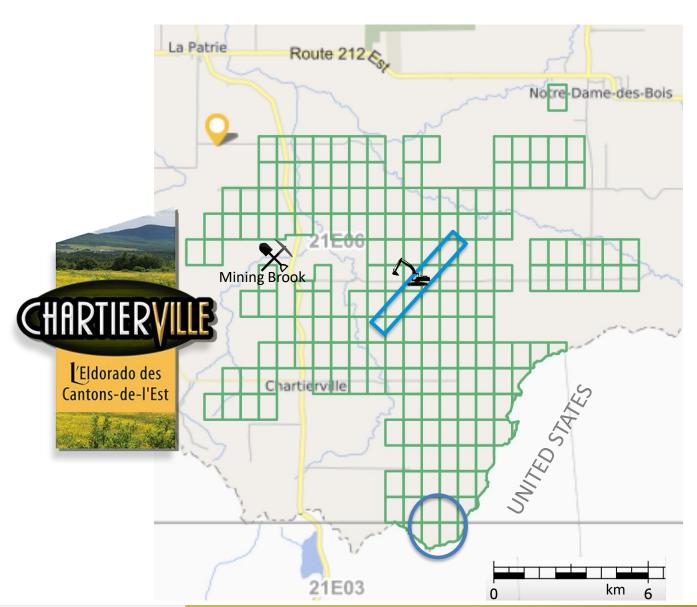








## **DITTON PROPERTY – CLAIM BLOCK**





Sand & Gravel Quarry



Paleoplacer Channel



**Emberton Property** 









- Gold discovered in the late 1800s by Archibauld "Archie" Annance. An Abinaki First Nations businessman and prospector.
- Late 19<sup>th</sup> century placer gold district
- Important potential for lode gold discoveries
- Up to 2g/m3 Au dredged from sand pits
- Historical placer gold deposits along Bella Fault line
- Potential placer gold production



The Ditton property is located in southern Quebec limited to the southwest by the American border of New Hampshire.

The property extends for at least 10 km along the axis of the Bella Fault. It is divided into three historic placer gold districts: the Ditton, the Mining Brook & Emberton.

The Bella fault line, which is the major structural element of the Ditton property, is in contact between the Compton and Frontenac Formations. Observations suggest several intrusive phases that would be favorable to the establishment of gold mineralization.

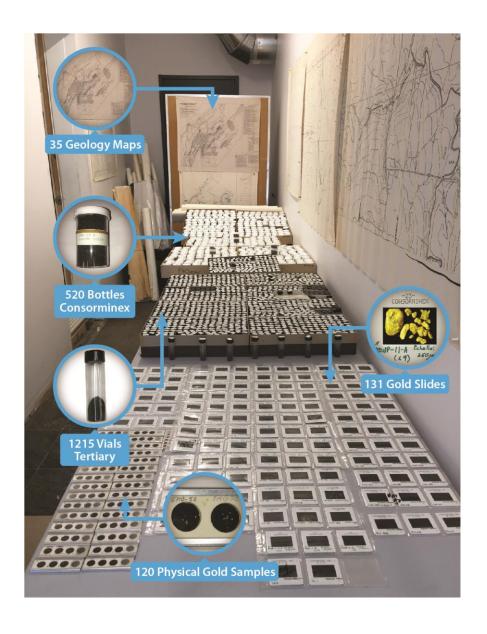






# Never-before-published historical exploration data

- Acquired from a local Prospector
- •1,700 Concentrates
- •120 physical gold samples
- •35 maps

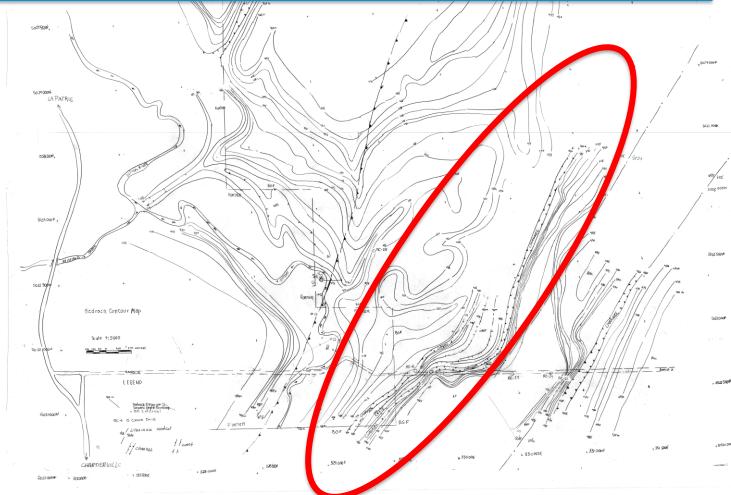


















# **Ditton Exploration 2022 - 2023**

10 Sonic Drill Holes, 180 Bulk Samples and 4 Lines of Geophysics









# **DITTON: Tertiary and Quaternary Placer Gold**







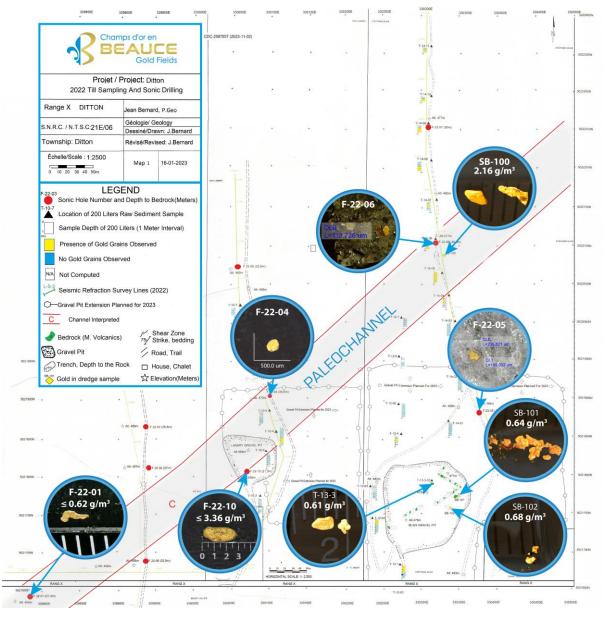


2022 exploration results confirms gold anomaly in paleoplacer channel

Placer channel open to the South, East, SW & NE

Placer gold identified in both Tertiary & Quaternary deposits

Placer gold potentially derived from a proximal lode gold source



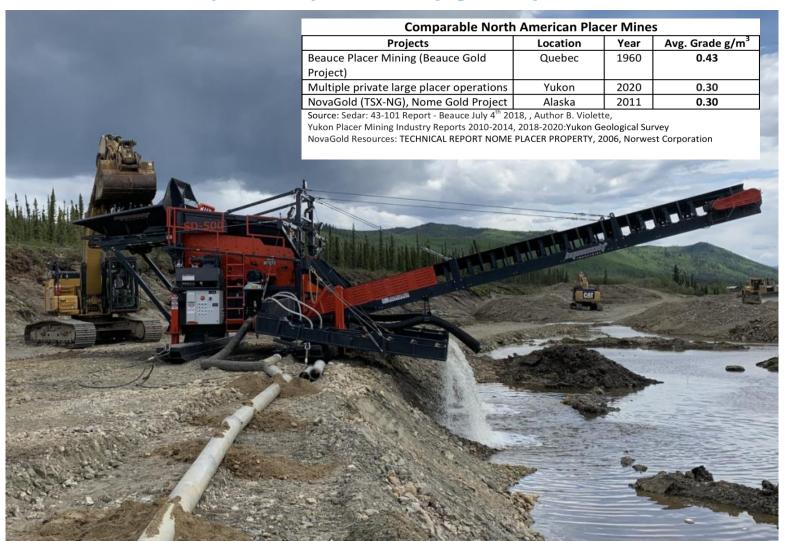






## **DITTON PROPERTY - Potential Placer Gold Production**

## Low Capex, requires only gravity & water



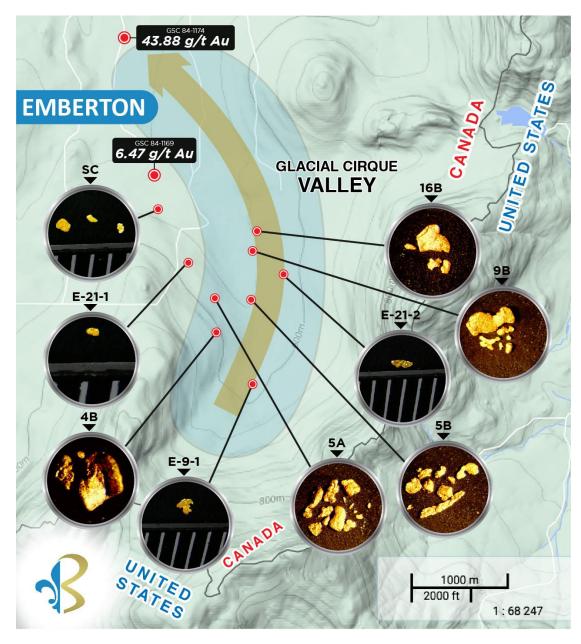






# **EMBERTON New Discovery**

- •Gold over a 4 KM Dispersal Trail
- Large Gold Grains
- Unexplored Potential









## STRONG SOCIAL ACCEPTABILITY

#### A community proud of it's gold mining heritage



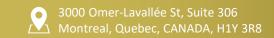
A St-Simon-les-Mines Town Hall Presentation

For the last 10 years, Patrick Levasseur has built strong local relationships and has garnered community support for BGF

With each opportunity, BGF hires talented people from the community and has always prioritized the purchase of goods and services from local businesses











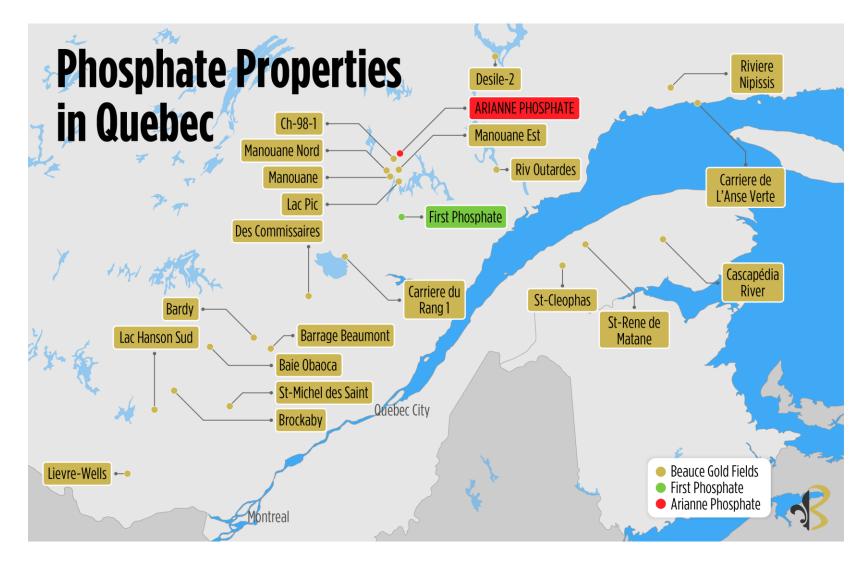








## Portfolio of 29 Phosphate Properties











### **Beauce Gold Fields 30 Phosphate Properties**

Property	Region	Host Rock	Minerals	P2O5 Grade*
Riv. Cascapédia	Gaspésie	Mudstone	Phosphate	14%
St-Cléophas	Gaspésie	Phosphorite	Phosphate	
St-René de Matane	Gaspésie	Schiste	Phosphate	12%
Manouane Est	Lac Saint-Jean	Anorthosite	Phosphate	
Manouane Nord	Lac Saint-Jean	Anorthosite	Phosphate	
Manouane	Lac Saint-Jean	Anorthosite	Phosphate	
Lac Pic	Lac Saint-Jean	Anorthosite	Phosphate	
CH-98-0	Lac Saint-Jean	Leuconorite	Phosphate	8.59%
Des Commissaires	Lac Saint-Jean	Anorthosite	Phosphate- Titanium	6.94%
Carriere du Rang 1	Lac Saint-Jean	Gabbronorite	Phosphate	
Carriere Lecarne	Lac Saint-Jean	Feldspaths	Phosphate	
Mimosa	Lac-Saint-Jean	Feldpaths	Phosphate	
Carriere	Lac Saint-Jean	Monzodiorite	Phosphate	
Laurentide				
Riv. Aux Outardes	Baie Comeau	Nelsonite	Phosphate	10.7%
St-Michel-des-	Mauricie	Gneiss	Phosphate-	2.89%
Saint			Titanium	
Riv. Au Lievre-Well	Laurentide	Pegmatite	Phosphate	
Lac Hanson-Sud	Laurentide	Pegmatite	Phosphate	
Brockaby	Mont-Laurier	Marbre	Lithium-Phosphate	
Carriere Sables LG	Montcalm	Mangerite	Phosphate	
Carriere Tremblay	Maniwaki	Dolomite	Phosphate	
Bardy	La Tuque	Gaboronorite	Phosphate	
Barrage Beaumont	La Tuque	Granite	Lithium-Phosphate	
Baie-Obaoca	Lanaudiere	Syenite	Phosphate	4%
Desile-2	Manicouagan	Gaboronorite	Phosphate- Titanium	4.95%
Car. De L'Anse Verte	Côte Nord	Anorthosite	Phosphate	
Riviere Nipissis	Côte Nord	Gabbro	Phosphate	
Carriere Lac Riverin	Côte Nord	Migmatite	Phosphate	
Lac du Canot	Côte Nord	Granite	Phosphate	





## PHOSPHATE CLAIM HIGHLIGHTS

29 prospective phosphate properties throughout Quebec

410 claims totaling 27,224 hectares,100% owned, royalty-free.

Largest portfolio of phosphate properties in Quebec & Canada

High P2O5 grades – up to 14%

Greater host-rock variety – anorthosite, petalite, dravite...

Diversified locations reduces social acceptability risks

\*source: First Phosphate 43-101









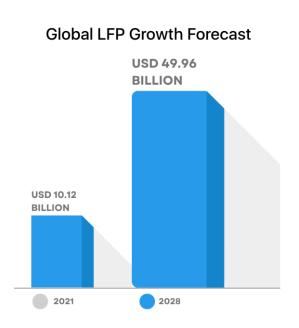
## **LFP - Lithium Iron Phosphate Batteries**

Quickly being embraced by EV companies.. Hyundai, now in Tesla Models 3 & Y, Ford F-150 in 2024 \$10 billion 2021 to \$50 billion in 2028!

URGENT domestic North American supply required - 90% of LFP batteries are currently made in China. China threatening to ban exports

2024 Canada & Quebec added phosphate to critical & strategic mineral list









## **10 Years to Peak Phosphate**

World will run-out of phosphate if no new deposits found

Phosphates critical in fertilizers to feed the world











#### For more information contact

Patrick Levasseur, President & CEO

(514) 262-9239

patrick.levasseur@beaucegold.com



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