



Oko West Gold Deposit: A new discovery in the Guiana Shield

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Interim CEO

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Disclaimer

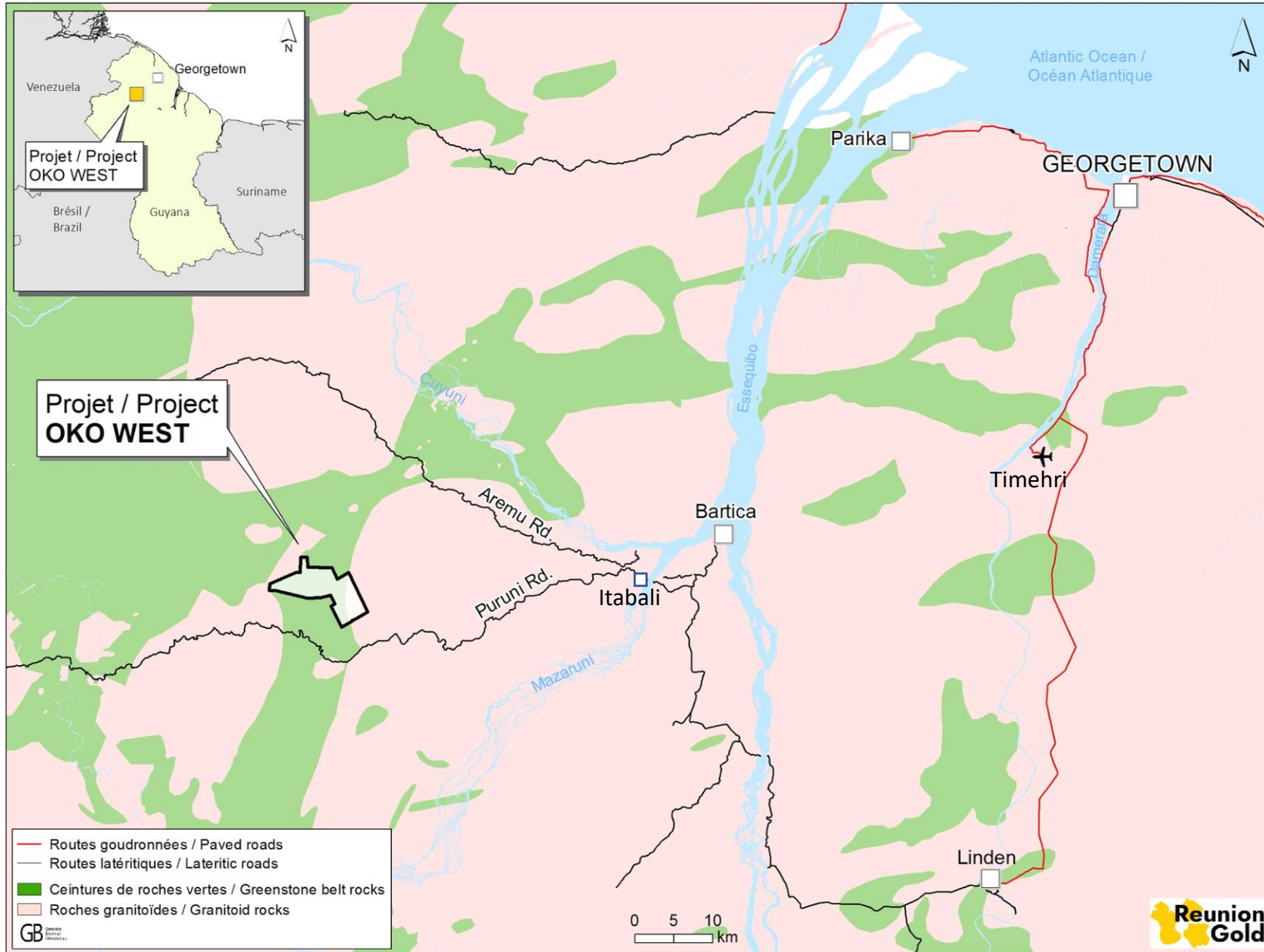
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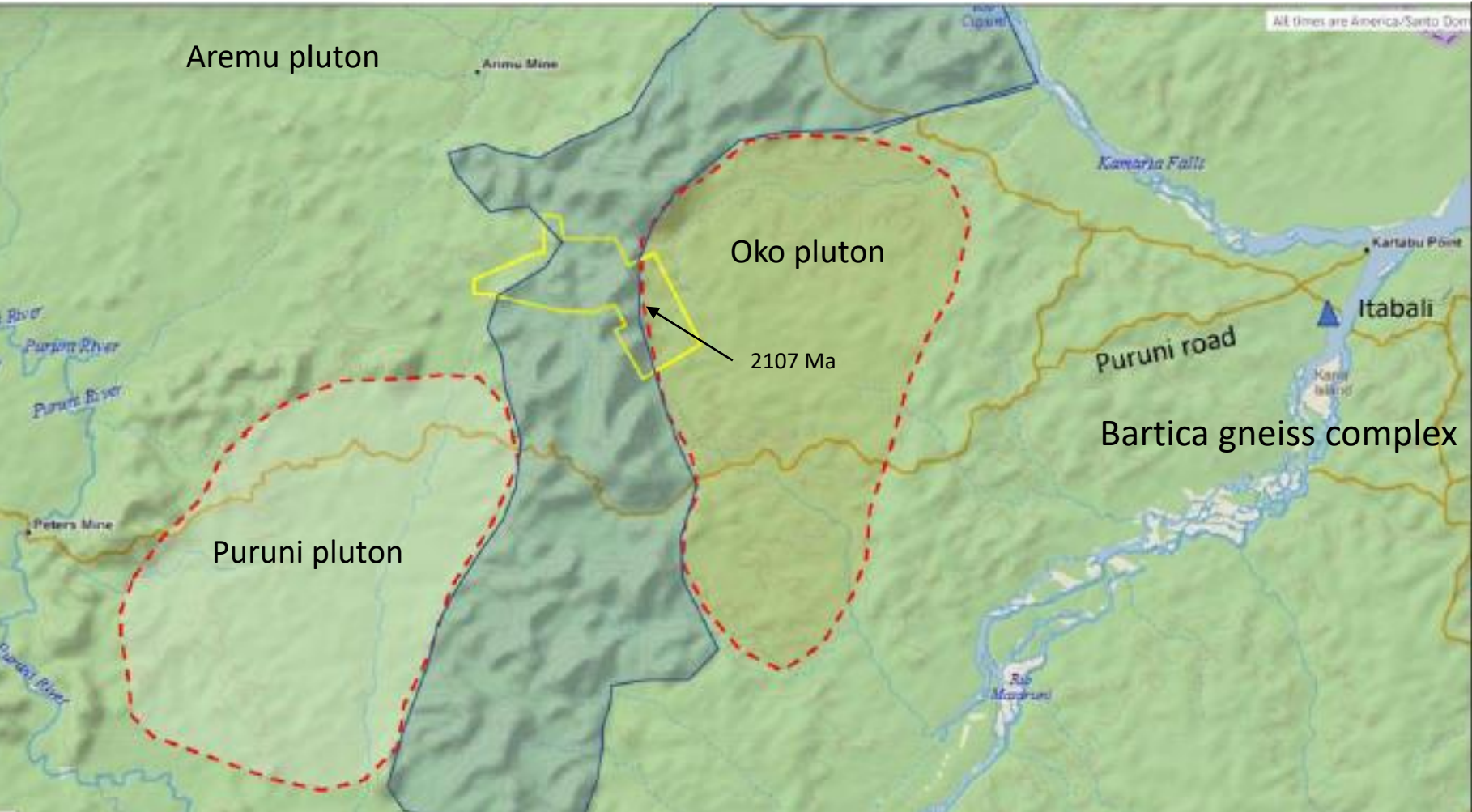
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Qualified Person: The technical information in this presentation has been approved by Carlos H. Bertoni, M.Sc., P. Geo., a qualified person under Canadian National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101") and is currently Interim CEO of Reunion Gold.

Oko West location and regional geology



Granitic plutons in Oko West region



Historical artisanal workings – Oko camp

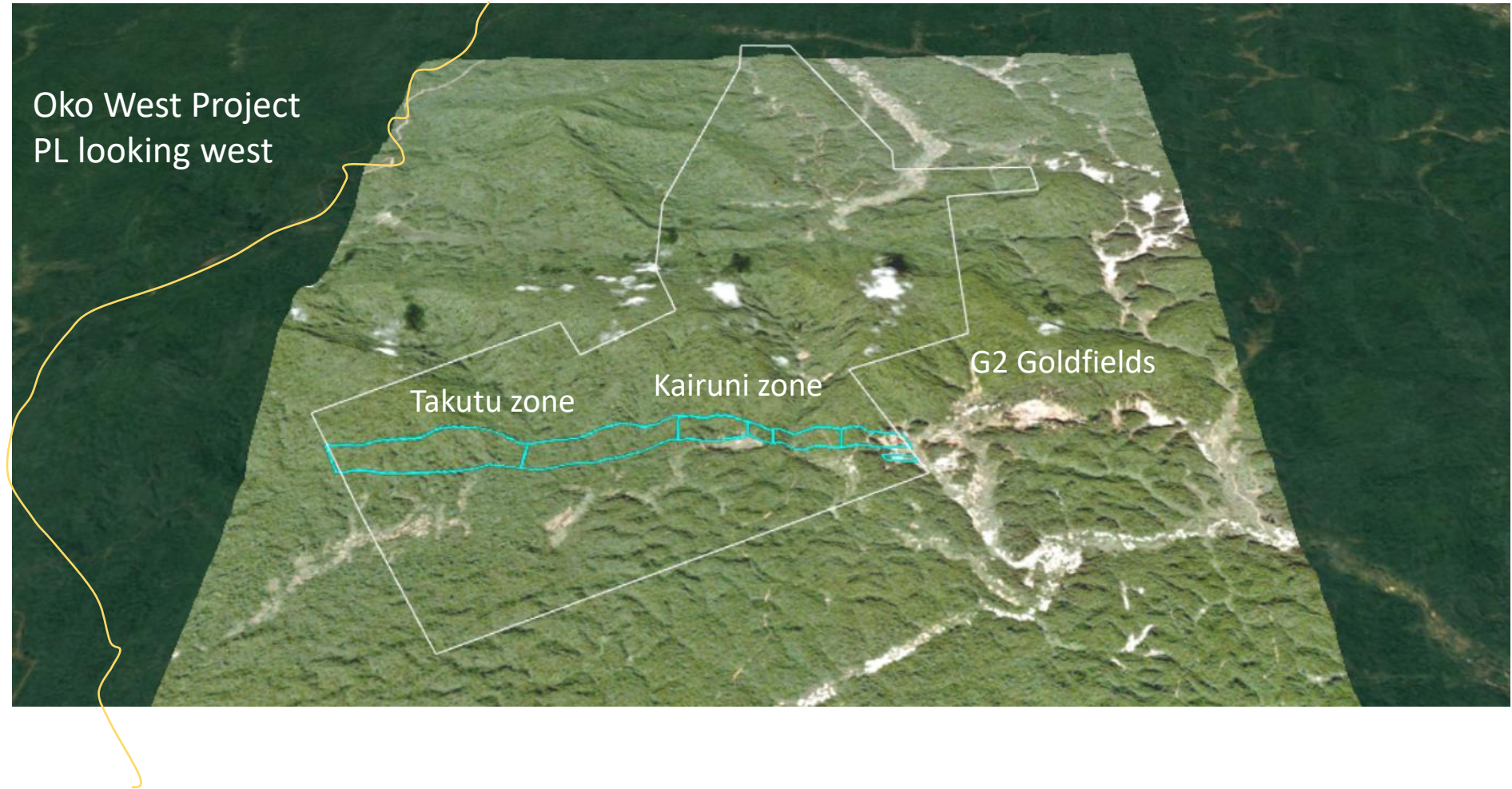


Oko West Project
PL looking west

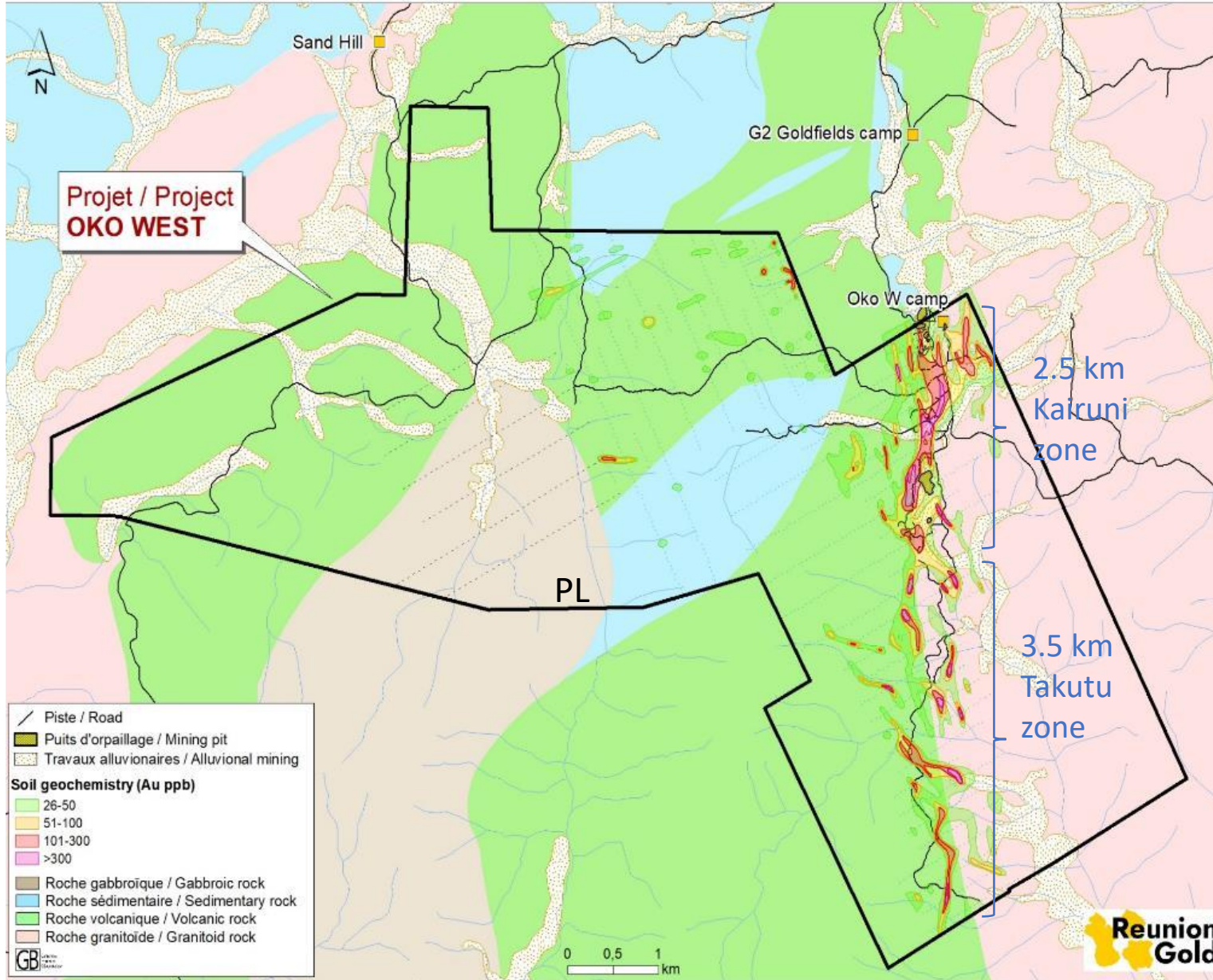
Takutu zone

Kairuni zone

G2 Goldfields



Oko West geology and soil geochemical anomalies



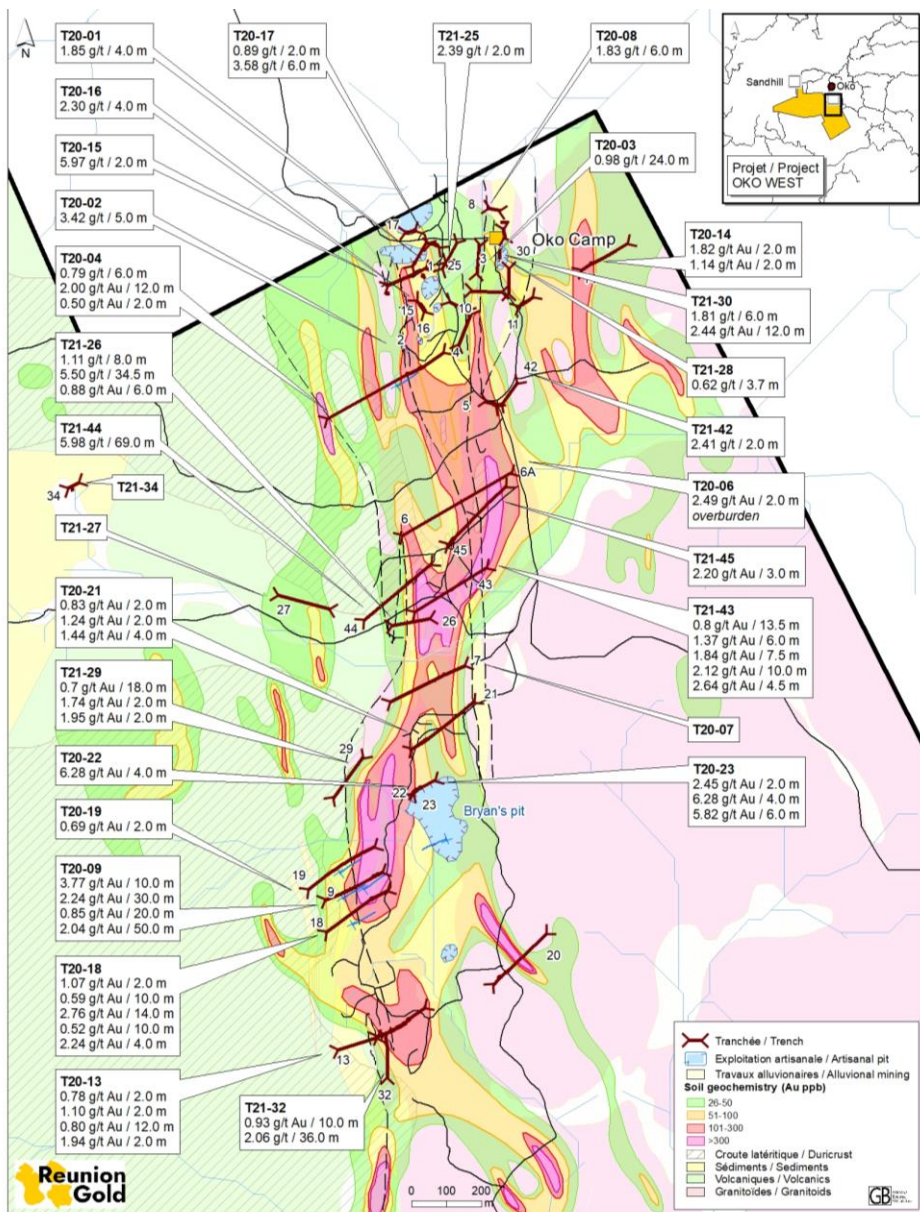
Oko West exploration work

Sequence:

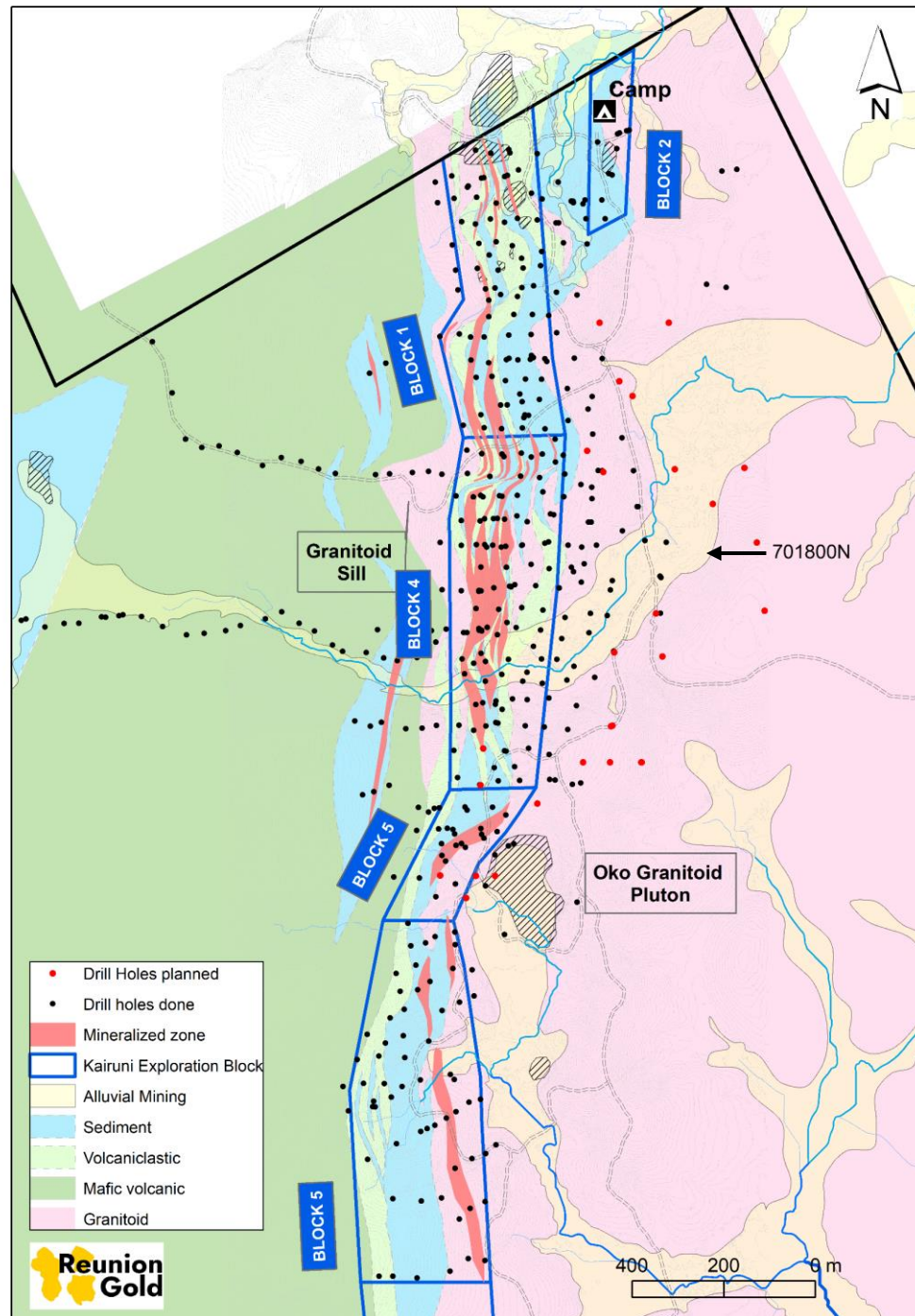
1. Soil geochemistry – find anomalies (1,700 samples)
2. Trenching - define key lithologies and mineralized sectors in saprolite (7 km)
3. RC of DD drilling: define mineralization into saprolite and unweathered rocks (now doing >7k m/month).
4. Mineral resource estimate (ongoing).



Oko West Kairuni zone geology, soil geochem and trenching



Kairuni zone geology and gold mineralization



Kairuni zone plan map and drill results

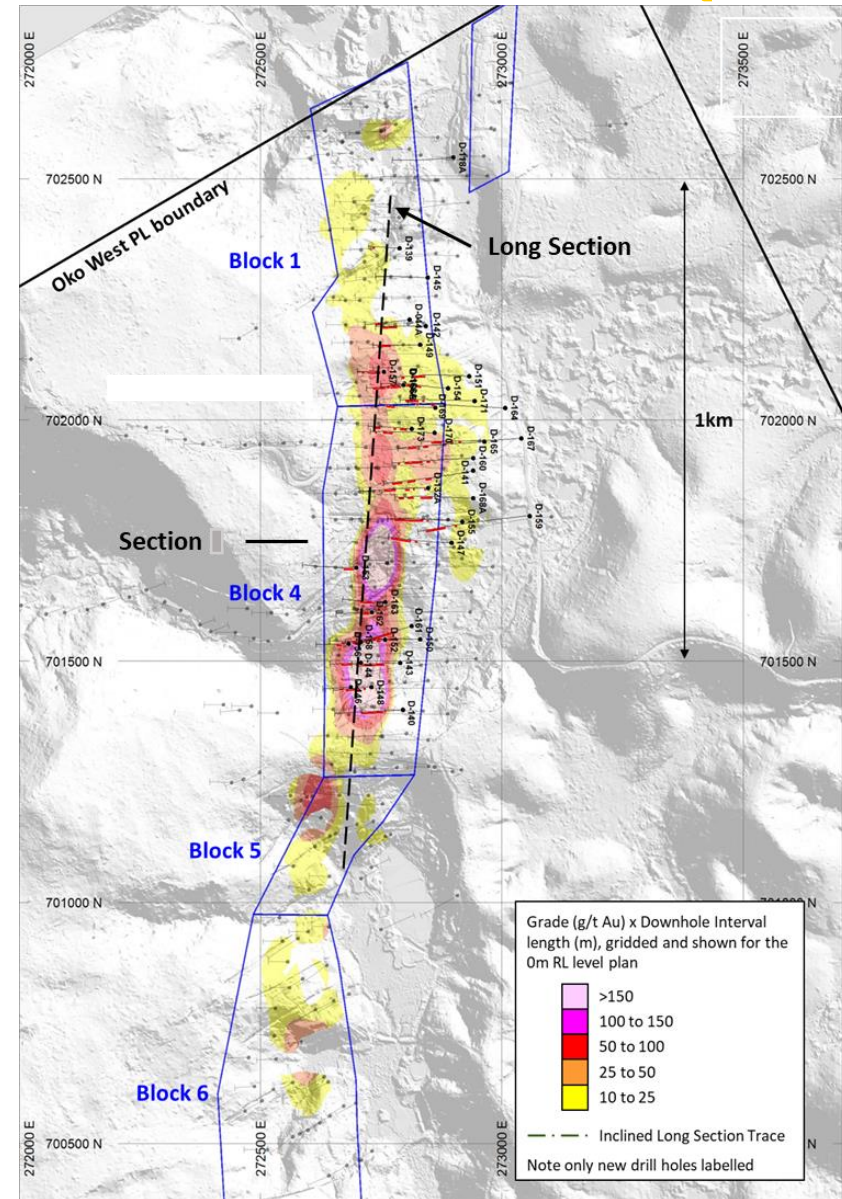


Defining the geometry and grade of gold mineralization in saprolite and unweathered rocks

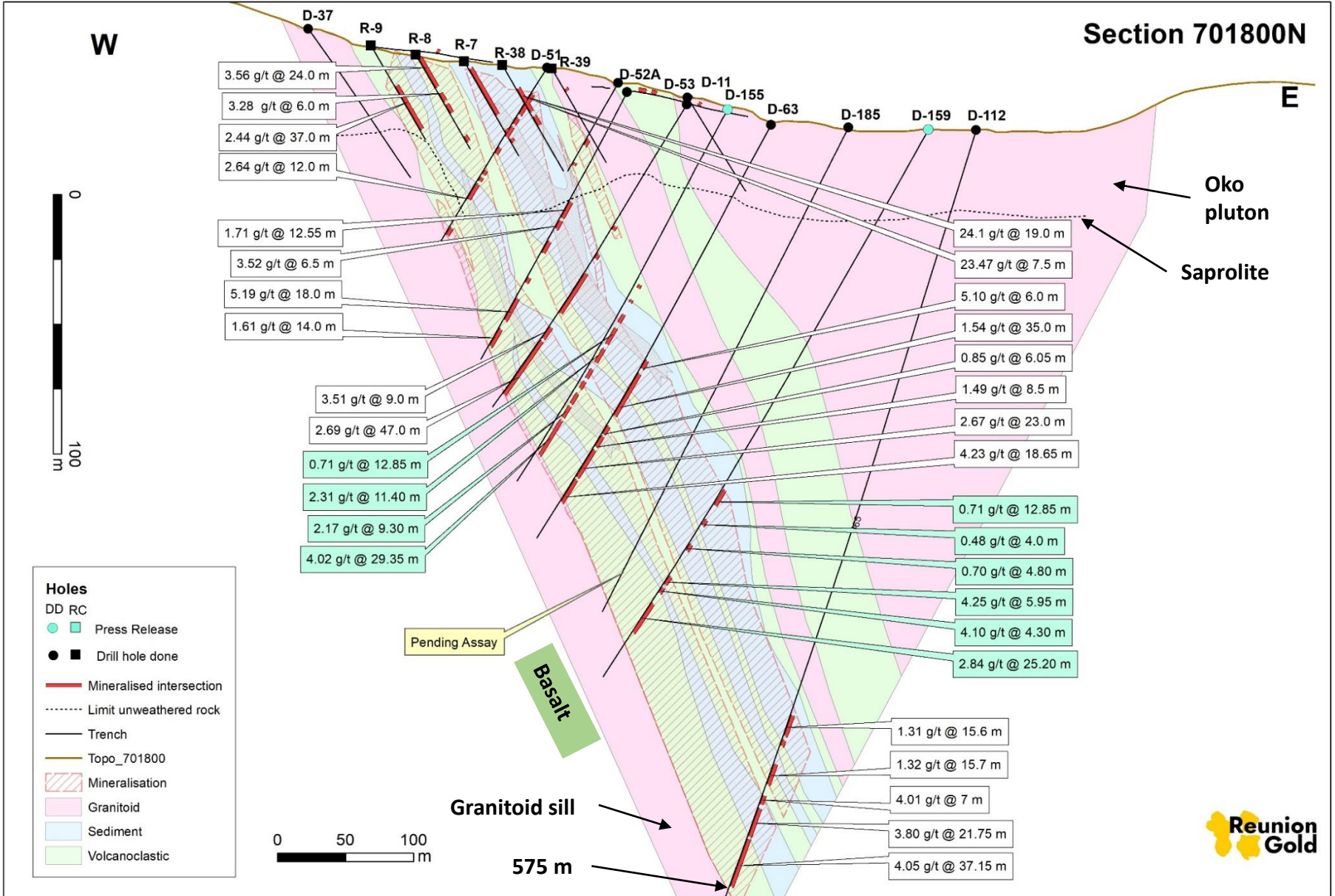
- **49,000 m** in 214 DDH
- **25,000 m** in 307 RCH
- Continuous gold mineralization at the Kairuni zone outlined over **2.5 km strike length. Open along strike and depth.**
- Deepest mineralized intersection to date is **575 m**

Top holes to date: grade x downhole thickness

Drill hole ID	Exploration "block"	Composite
OKWD21-038	4	16.87 g/t Au over 37.0 m
OKWD21-031	4	5.81 g/t Au over 105.4 m
OKWR21-038	4	24.16 g/t Au over 19.0 m
OKWR21-099	4	6.87 g/t Au over 53.0 m
OKWD22-093	4	2.78 g/t Au over 110 m
OKWD22-135	4	5.19 g/t Au over 52.5 m



Cross section looking N



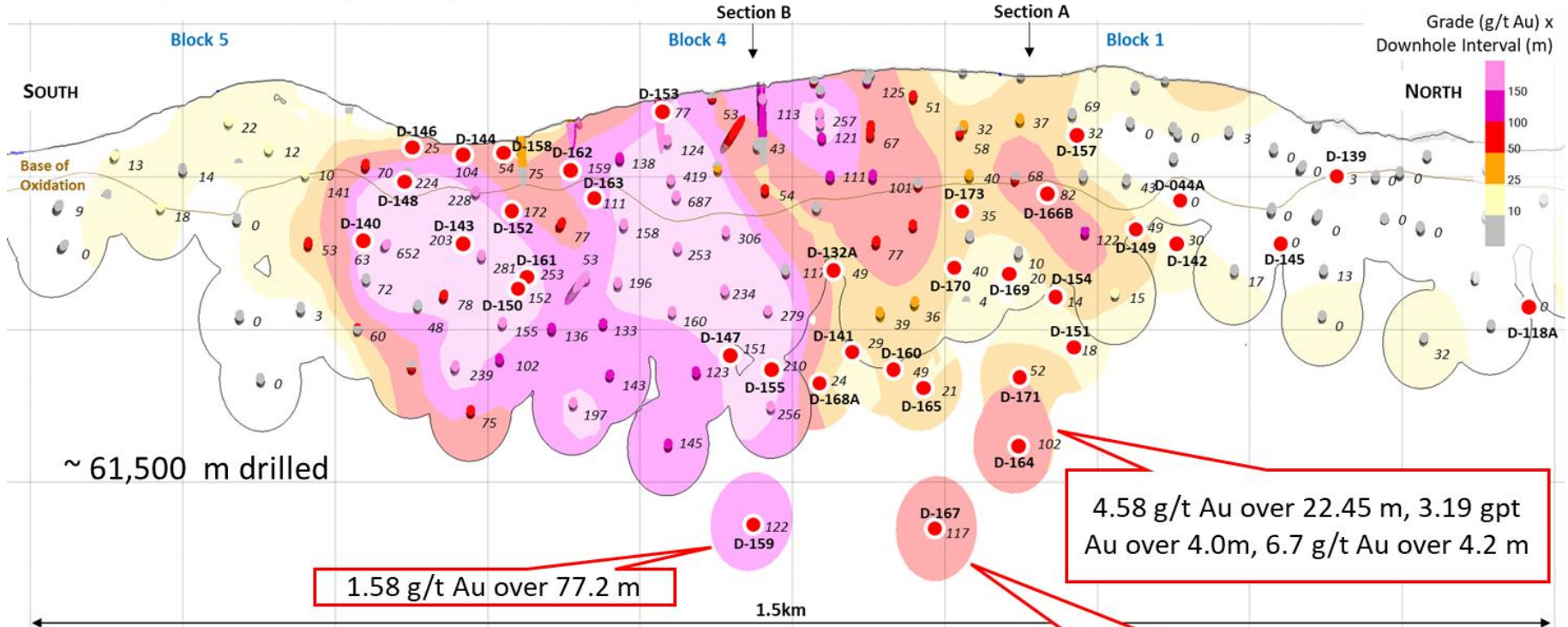
Kairuni zone inclined section



~ 1.5 km section of the 2.5 km Kairuni zone: current mineralized envelope

Note: some mineralization in blocks 1, 5 & 6 is off section

Inclined section through plane of mineralization
(5 m thickness)



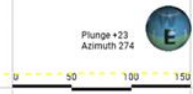
1.58 g/t Au over 77.2 m

4.58 g/t Au over 22.45 m, 3.19 gpt Au over 4.0m, 6.7 g/t Au over 4.2 m

2.23 g/t Au over 52.40 m

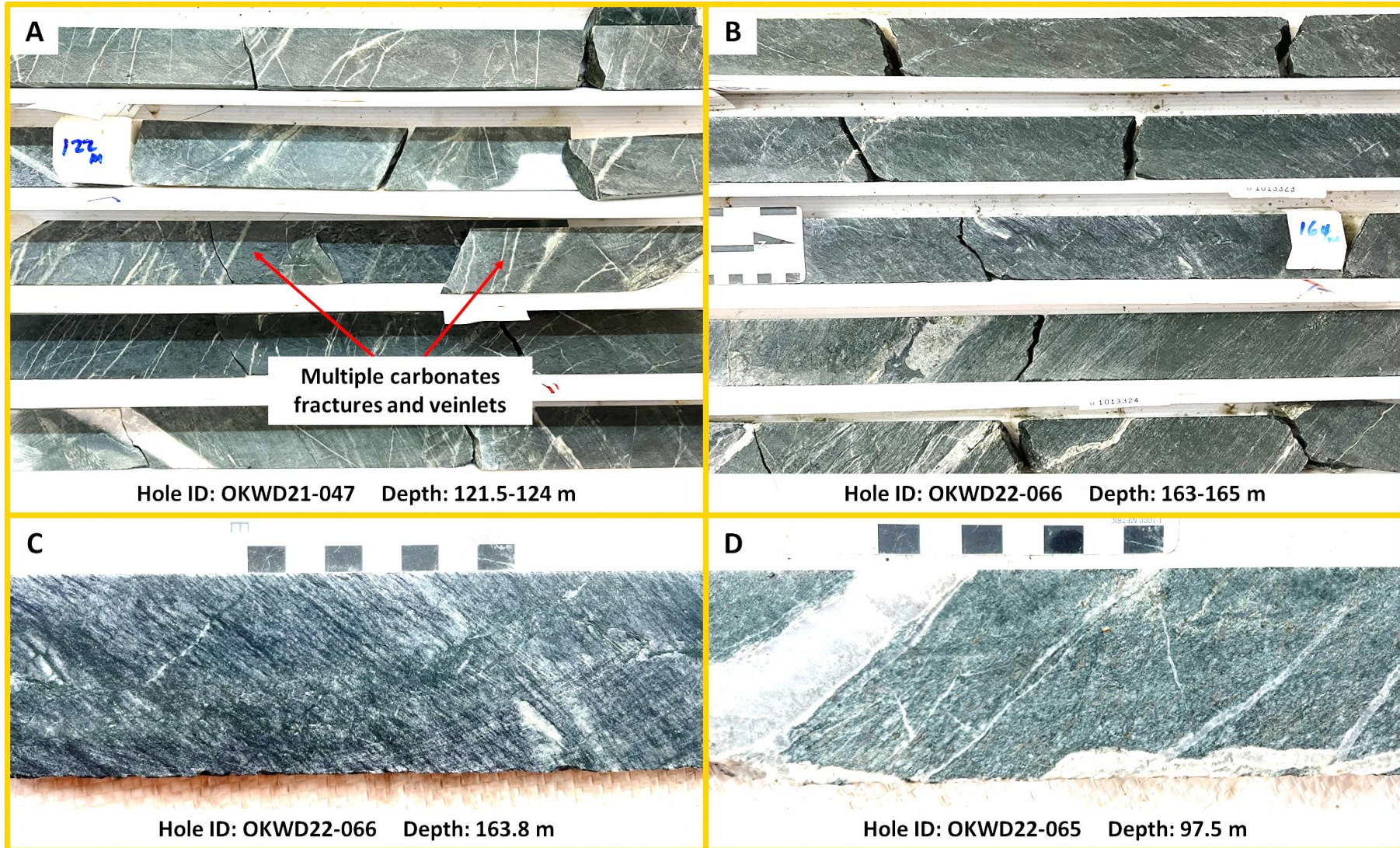
Hole 112: 3.68 g/t Au over 71.15 m @ 575 m deep (Previously reported)

- Newly released drill holes with assays returned (Nov 2022)
- D-153 Drill Hole ID
- 197 Au Grade (g/t) x Downhole Interval (m) value
- Extent of known mineralization as reported in previous release
- ▭ Extension holes from Nov 9/22 Press release



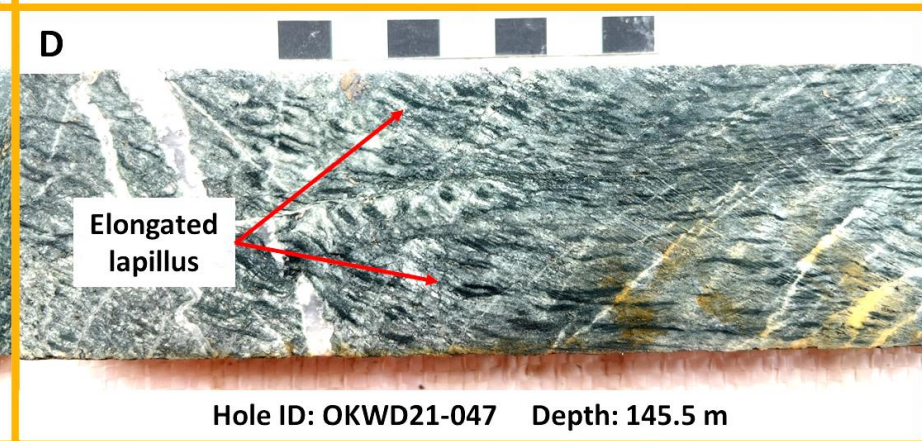
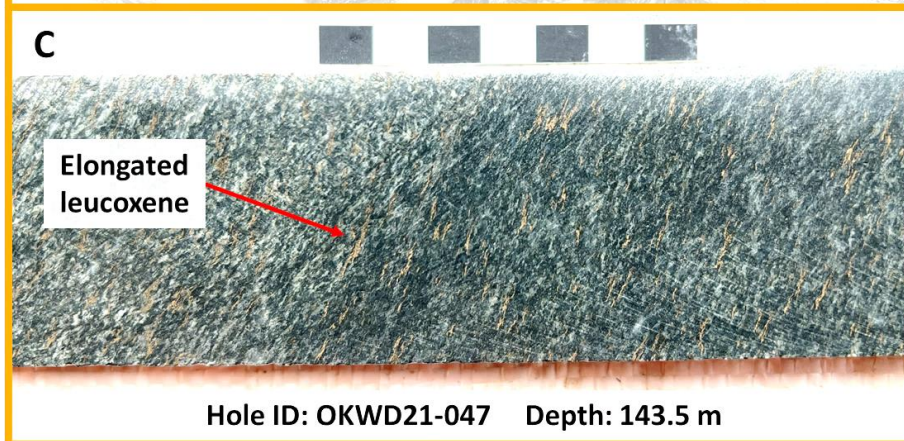
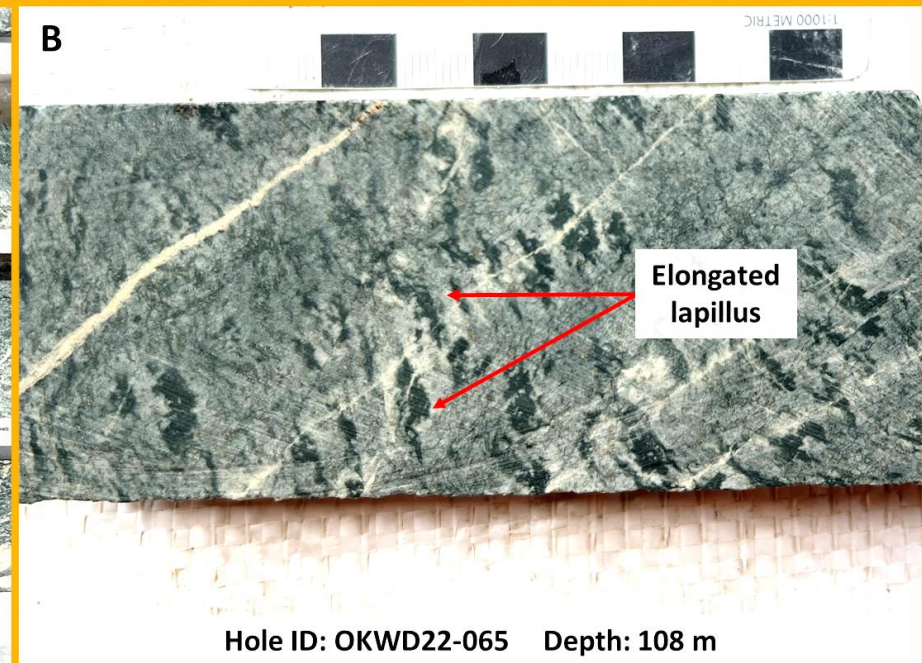
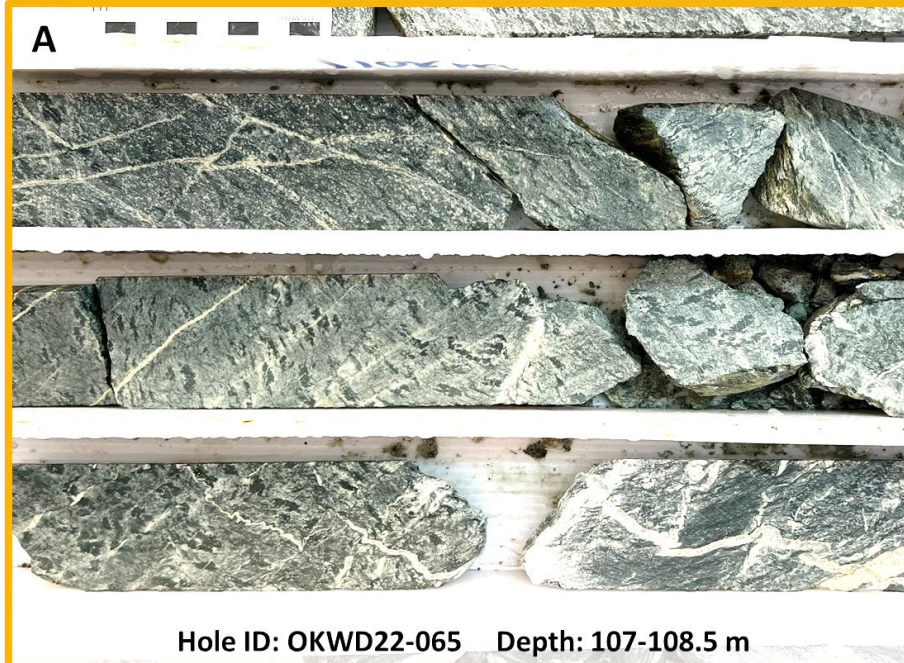
Lithology (NQ core photos)

Volcaniclastics



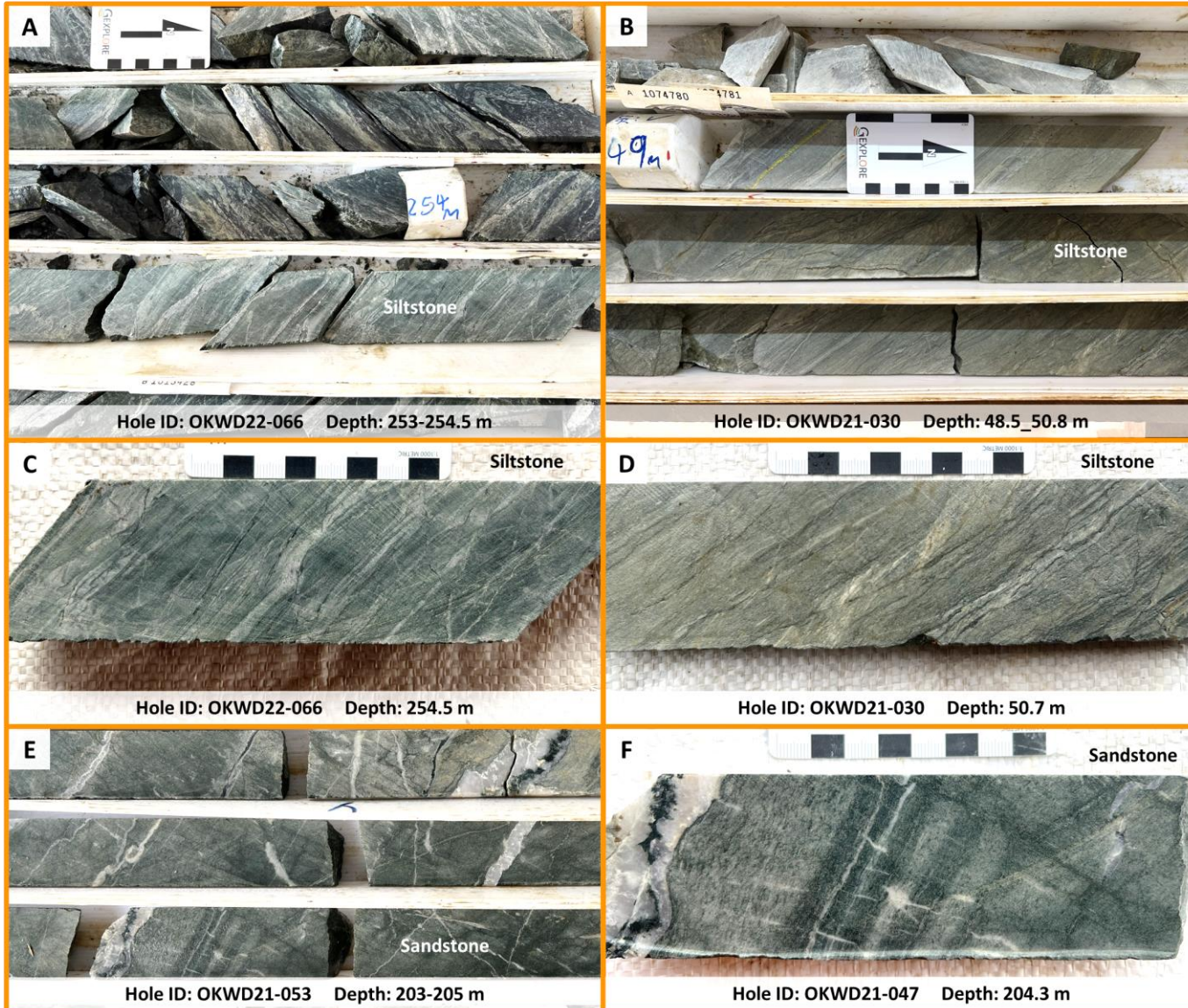
Lithology

Lapilli tuff



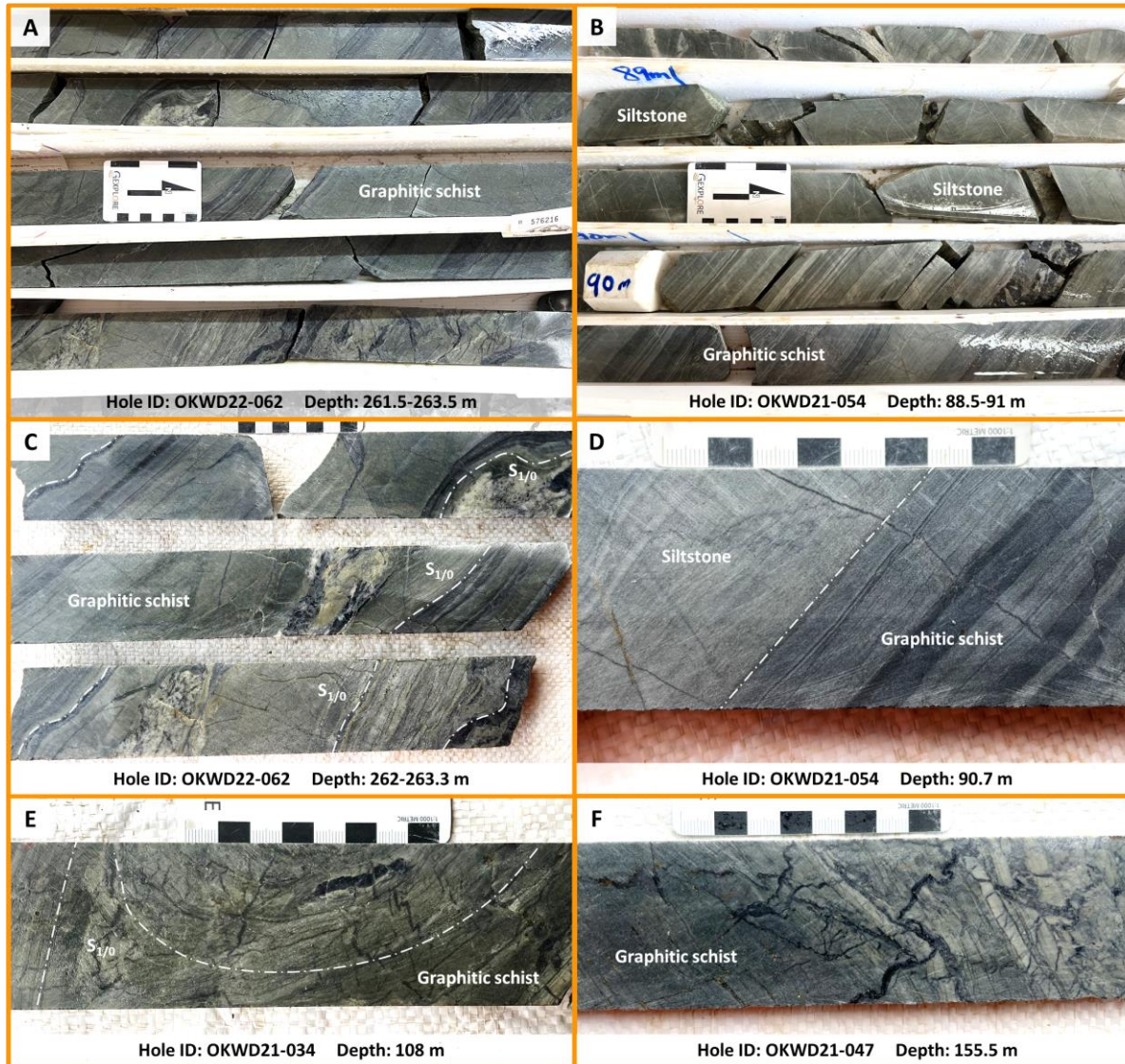
Lithology

Siliciclastics (siltstone and sandstone)



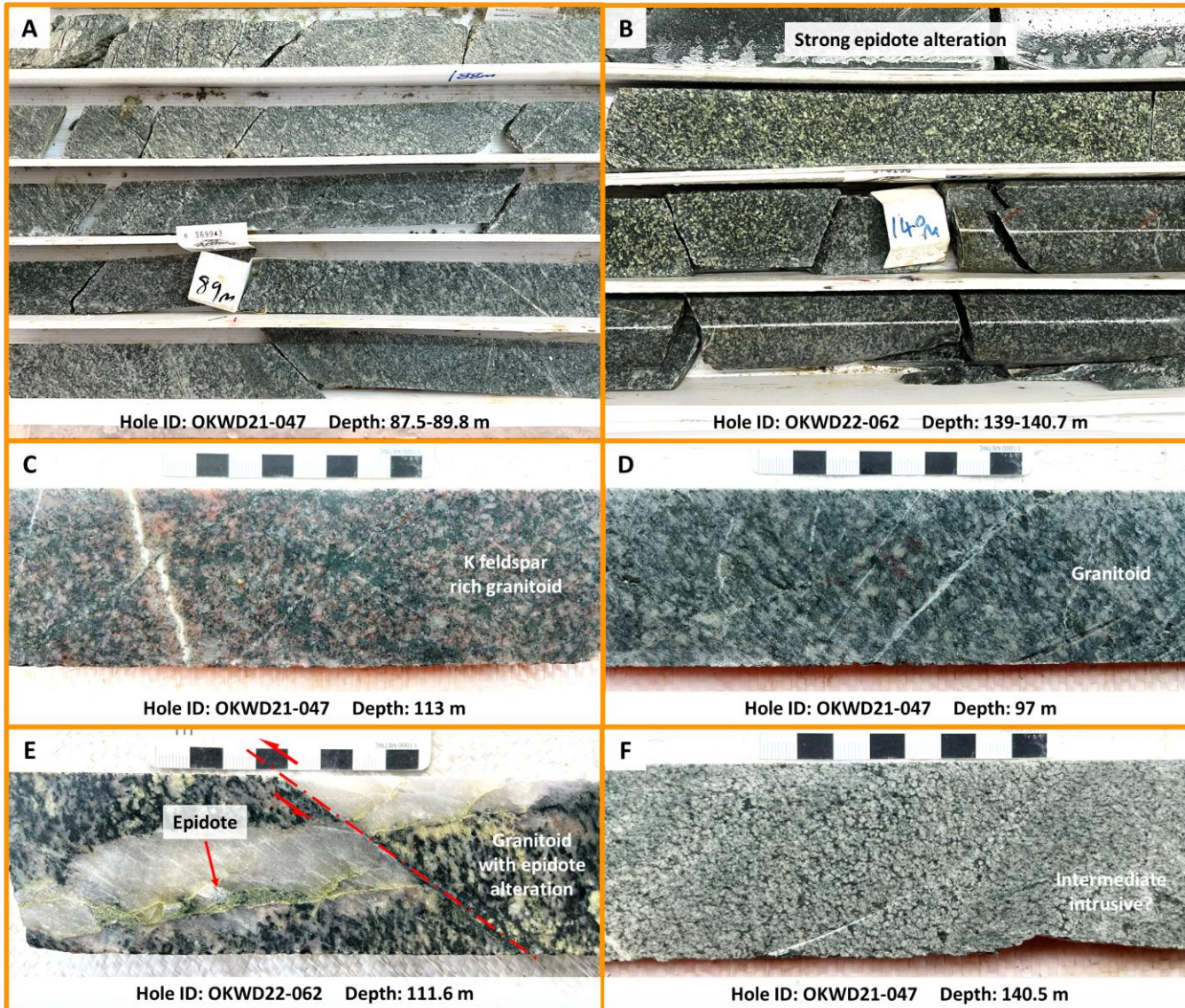
Lithology

Carbonaceous sediment



Lithology

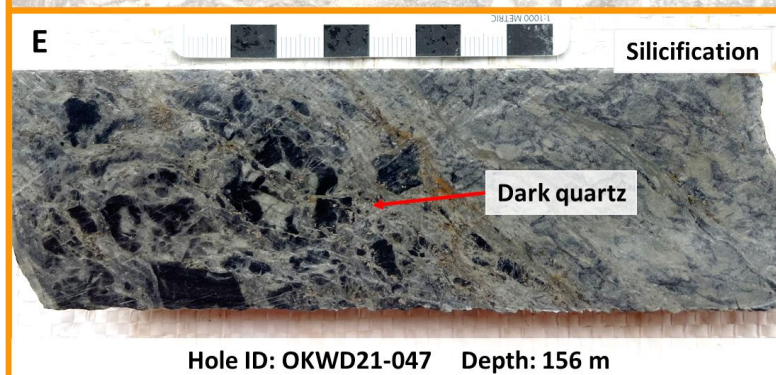
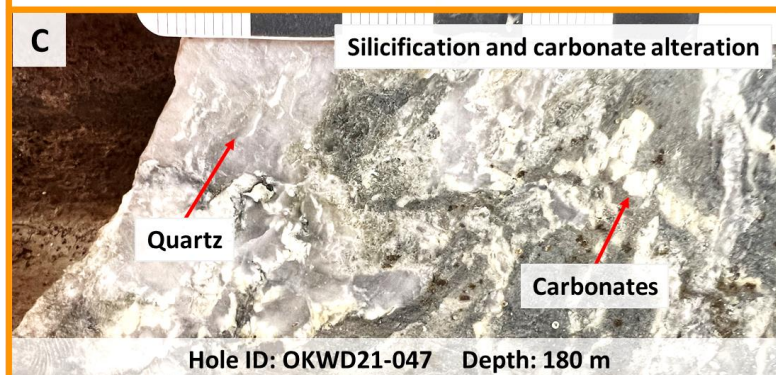
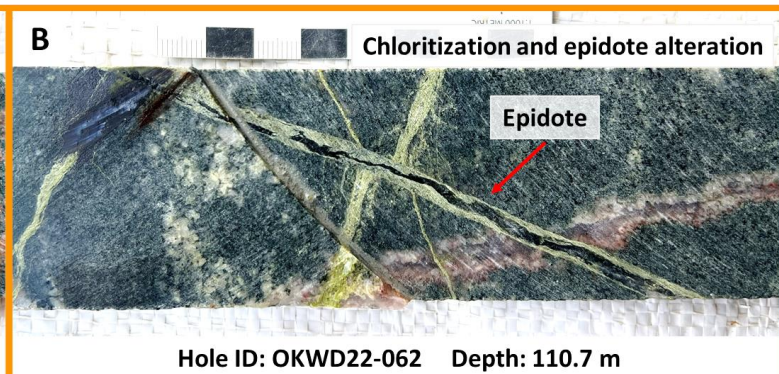
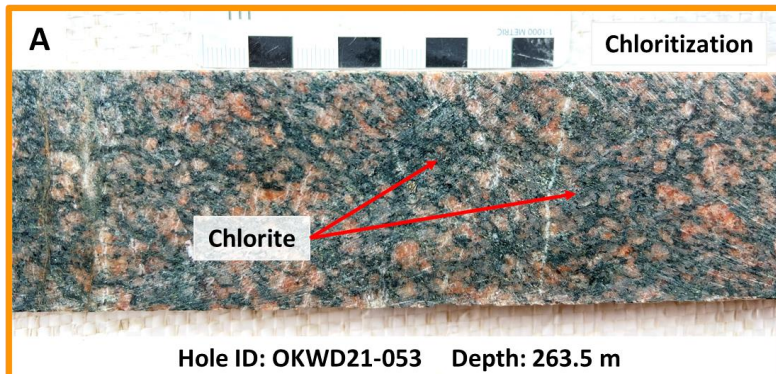
Granitoids (quartzo-monzodiorite and granodiorite)



Alteration assemblages

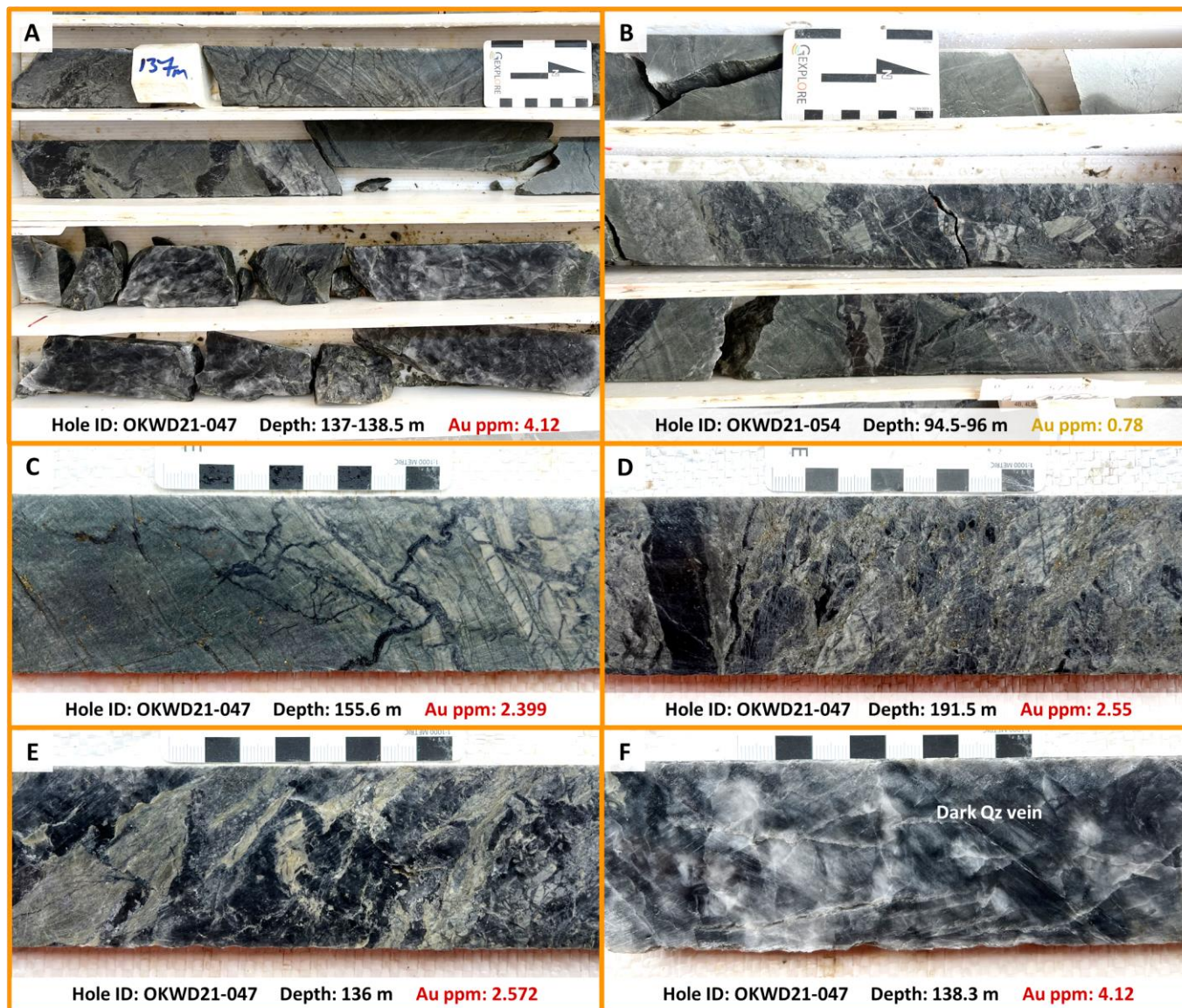
- **A:** Sericite+ silica /silicification/ +ankerite /ferron dolomite/
In association to grey smoky quartz vein in **sediments** with pyrite generally above moderate intensity with chalcopyrite and sphalerite.
- **B:** Ankerite /ferron dolomite/+ silicification/+ pyrite (moderate intensity) with chp, sph, and white glassy quartz veins associate with silica flooding;
Mainly in **volcanoclastics**.
- **C:** Chlorite + silica flooding + feldspatization and sericite as selvages with moderate sulfide; mainly in **volcanoclastics**.
- **D:** Feldspatization + chlorite + epidote closer to the shear boundary;
mainly in **volcanoclastics**
- **E:** Carbonate/mainly calcite/ epidote as distal alteration in **granitoids** and **mafic volcanics**.

Hydrothermal alteration



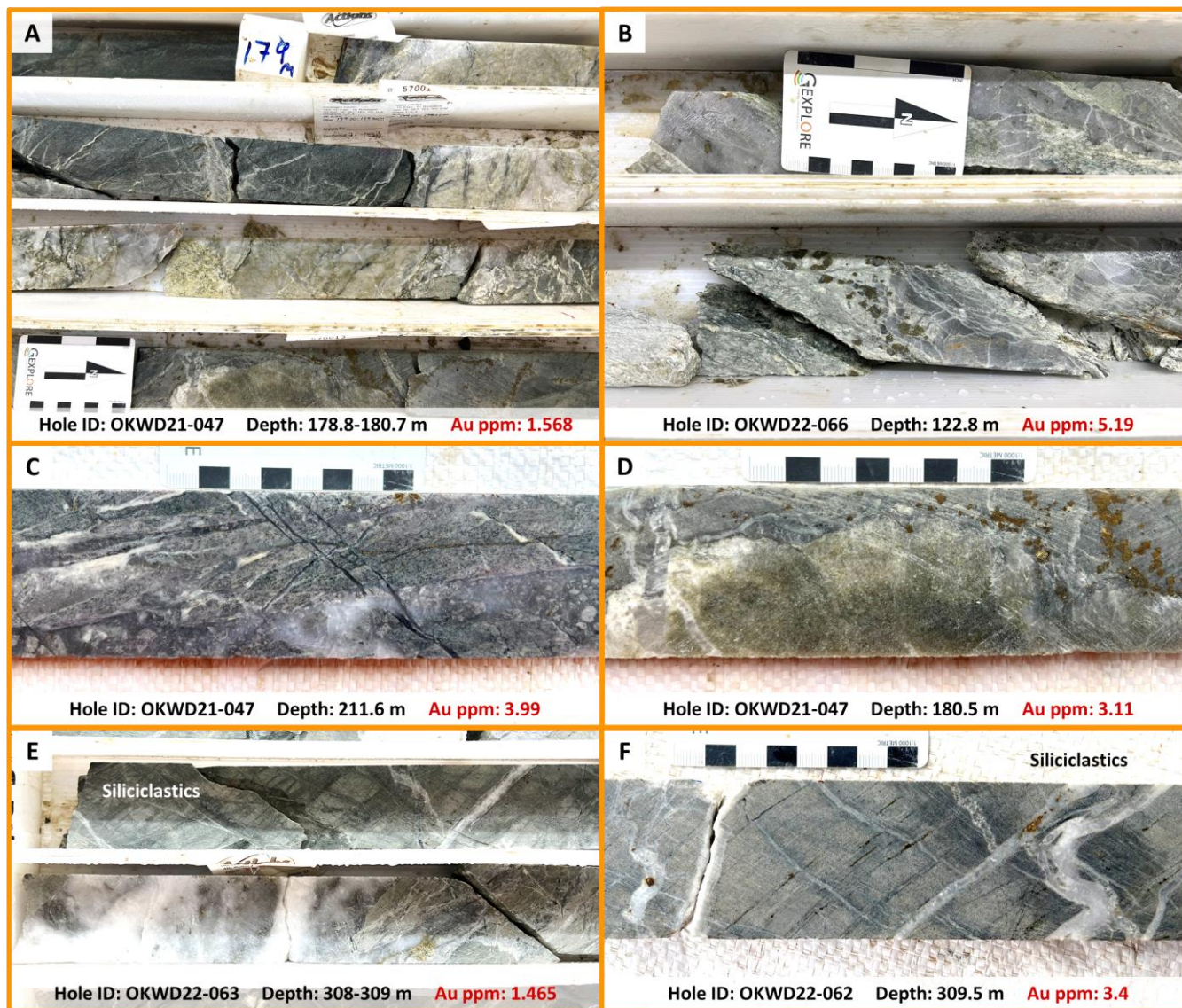
Gold mineralization

Dark quartz veins (often in carbonaceous sediment)



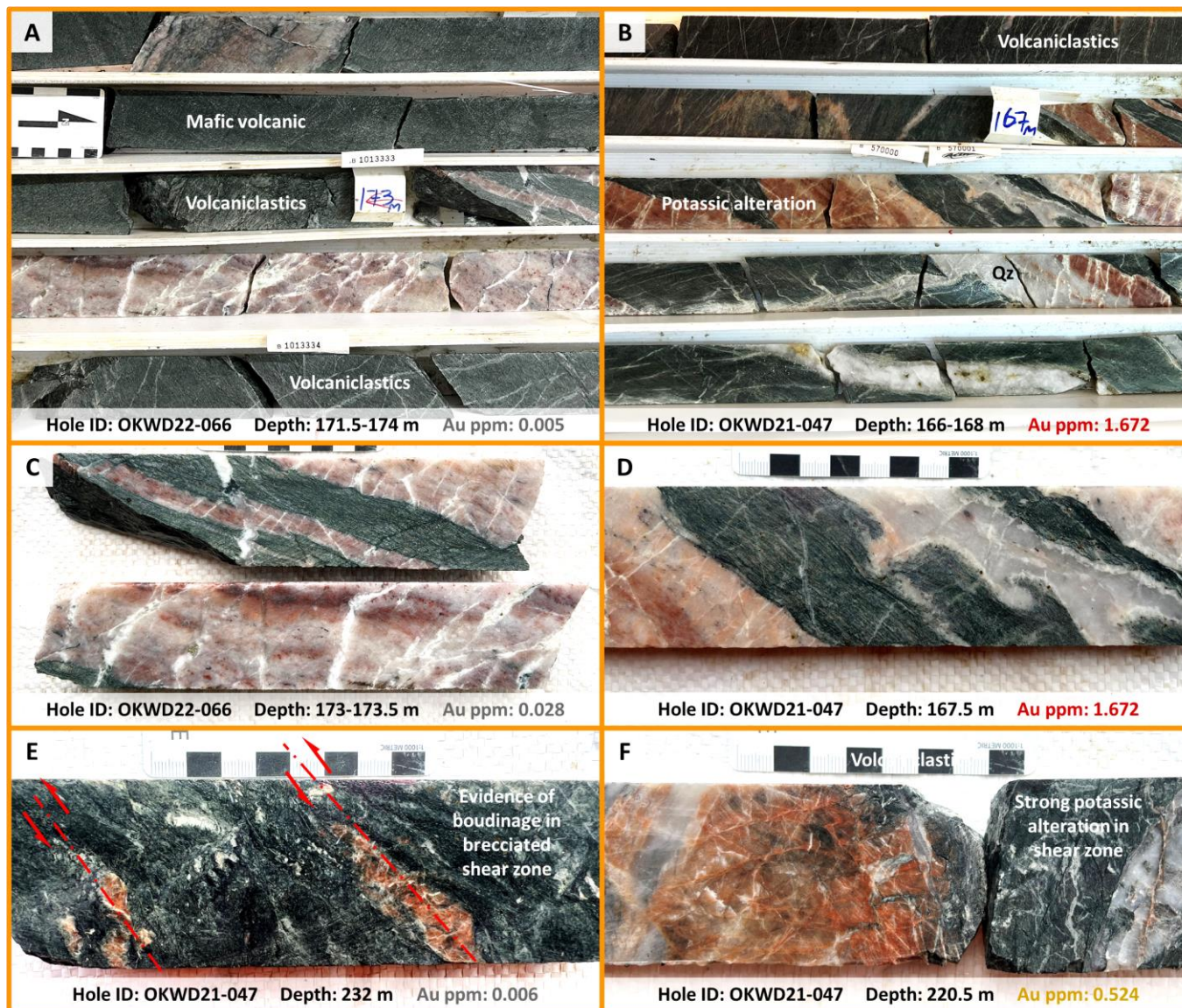
Gold mineralization

White or gray quartz veins, often associated with siliciclastics (not carbonaceous), in mafic volcanics and volcanoclastics



Gold mineralization

Quartz veins with K alteration, often associated with mafic volcanics and volcanoclastics or close to granitoid intrusions



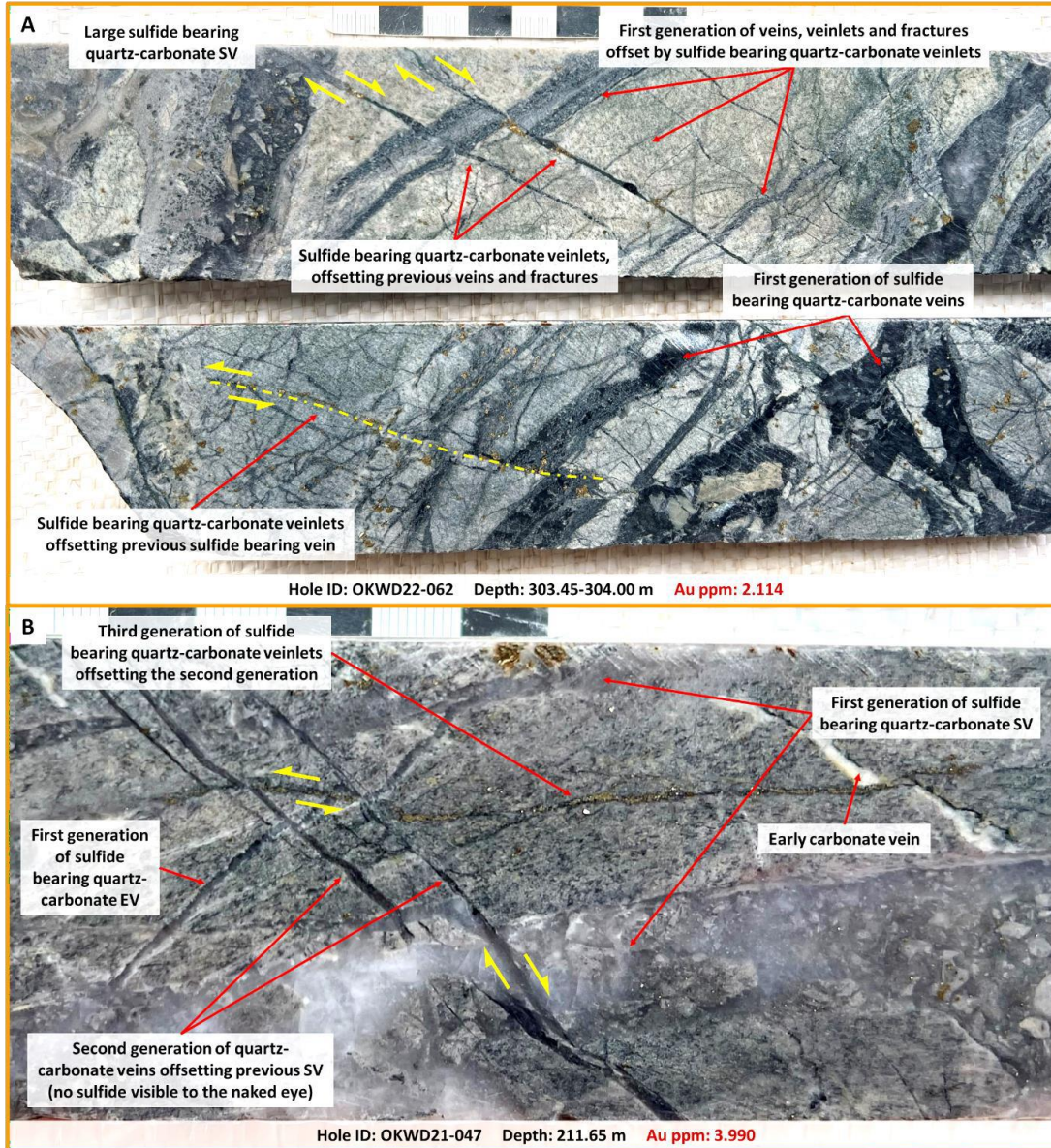
Mineralized structures

Key mineralized structures

- ✓ Stockwork: complex network of sulfide-bearing quartz and quartz-carbonates veins and veinlets, associated with selvage, metasomatism, and strong sericitization. Brittle deformation controlling the mineralization observed as a network of fractures filled with sulfides, or as sulfide-bearing veins/veinlets crosscutting and sometimes offsetting previous generations of EV, SV, or veinlets (breach faulting).
- ✓ Shearing: shearing and brittle deformation observed as a major zone at the lowest part of the volcano-sedimentary package, near the contact with the “footwall” granitoid sill.

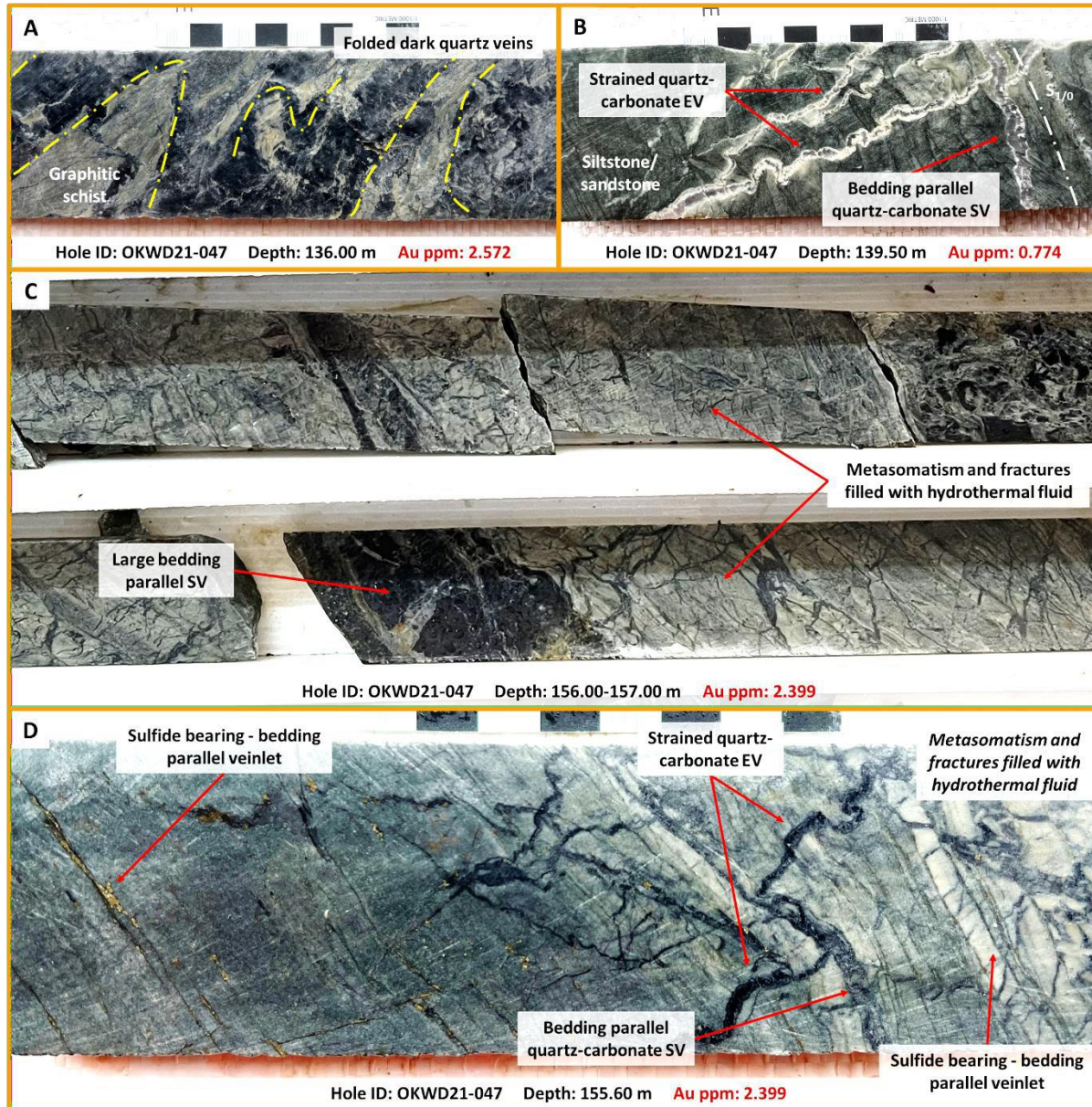
Mineralized structures

Complex mineralized system with bedding parallel SV, multiple generations of EV, small fractures, and breach faulting veinlets filled with hydrothermal fluid



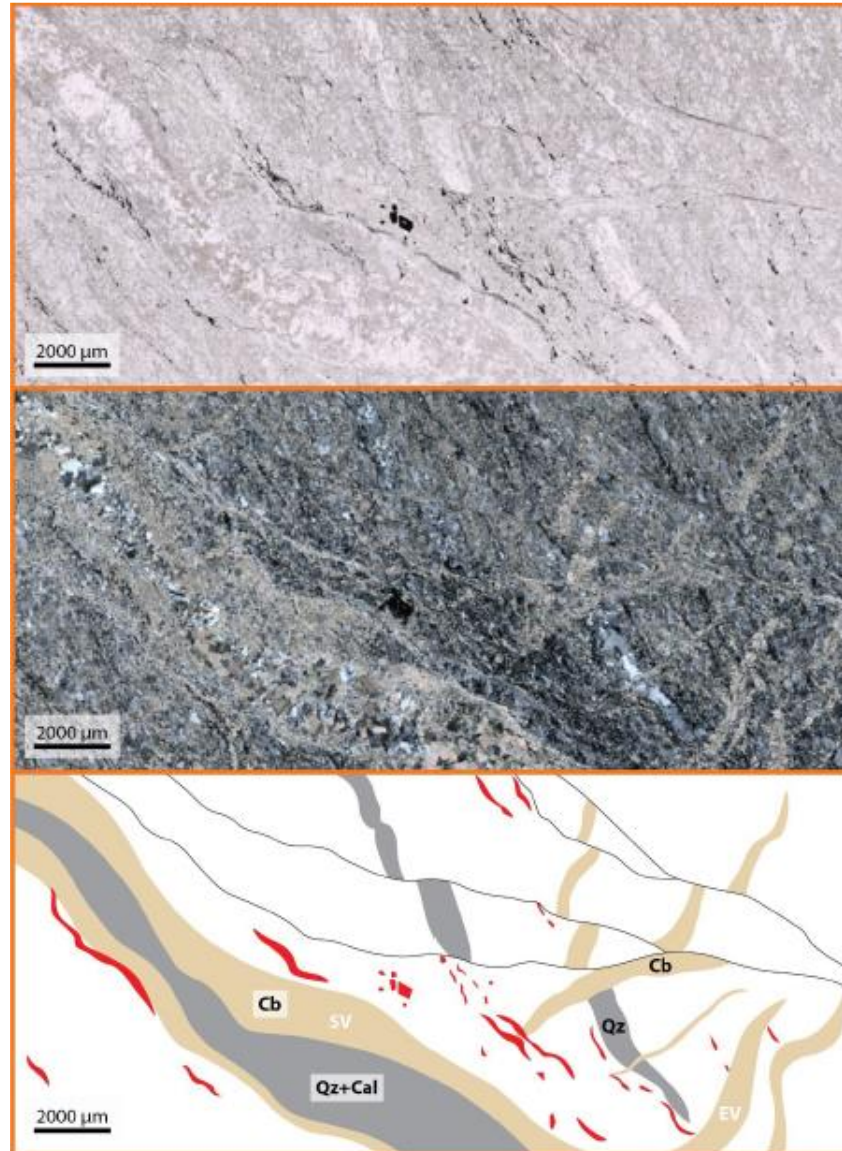
Mineralized structures

Bedding parallel SV, folded EV, and fractures due to metasomatism






Mineralized structures

Different generations of veins in volcanoclastic sample D21-047 (147.12 m)



P-J. Hainque &
B. Lacroix, 2022

Oko West tectonic events and gold mineralization

	TECTONIC EVENTS				
	D ₀	D _{1a}	D _{1b}	D ₂	D ₃
STRUCTURES	Deposition of the sedimentary series	 WNW-ESE tectonic stress Regional N020 folding Top-to-the west kinematic Development of S ₁	 WNW-ESE tectonic stress Fold tightening Vein transposition and boudinage Foliation S ₁ Major N-S shearing and late brittle expression (EV/fractures/faults)	 NE-SW tectonic stress EW fold overprint EW Foliation S ₂ Type-2 interference pattern	Late Faulting/Fracture
MINERALIZATION		Bedding-parallel potassic veins Bedding-parallel veins (SV ₁) + Extension veins (EV ₁) N-S mineralization system (parallel to contact between sediments and IGRD)		Possible emplacement of en-echelon quartz veins (EV ₂) Remobilization of Au along D ₂ hinges	No mineralization
Au	<i>sedimentary?</i>	<hr style="border: 1px solid red;"/>			
Quartz		<hr style="border: 1px solid black;"/>			
Sericite		<hr style="border: 1px solid black;"/>			
Pyrite		<hr style="border: 1px solid black;"/>			
METAMORPHISM	Possible Regional HT-LP metamorphism Contact Metamorphism?				

April 2022

Oko West geology team:

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