

# “Seizing Opportunity and Creating Value”



## EXPLORING in MEXICO **JACKIE** Au-Ag Project

TSX Venture: SSE  
US OTCQB: SSEBF  
Frankfurt: S6Q

[www.silverspruceresources.com](http://www.silverspruceresources.com)

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# Cautionary Statement

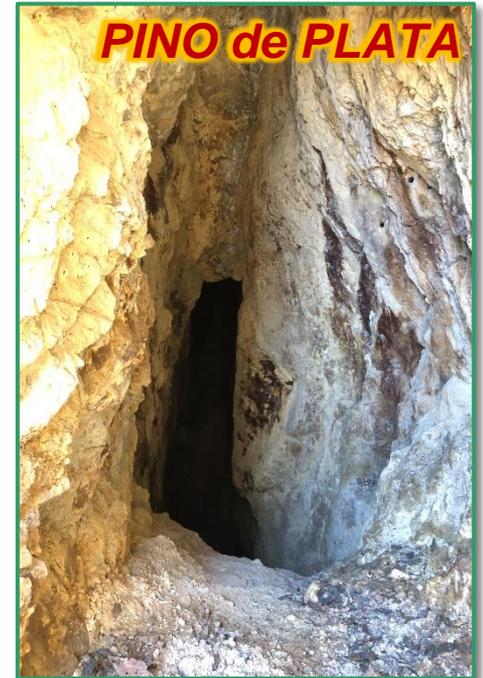
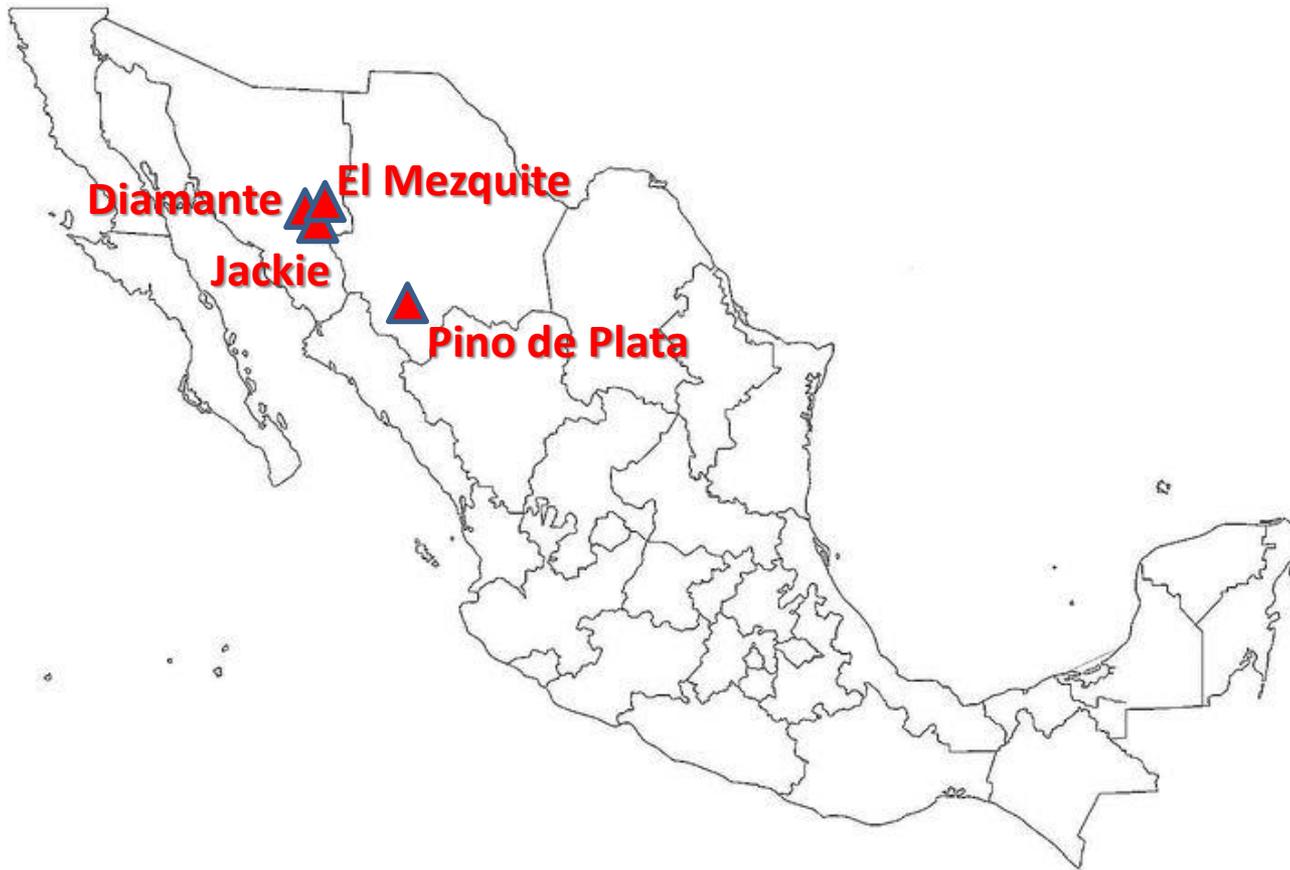
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# Project Locations - Mexico

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# Mexico - The Potential

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- ✓ Located within northwest-trending “Sonora Gold Belt” in Sierra Madre and parallel to Au-Ag-rich Mojave-Sonora Megashear
- ✓ Properties well located near Coeur’s Palmarejo Au-Ag Mine, Minera Alamos’ Santana/Nicho Au Mine and others
- ✓ **Diamante - Ten showings** with many high-grade Au-Ag values on multiple vein, skarn and porphyry targets
- ✓ **Jackie - Greenfields Au-Ag** discovery over 200m x 400m target in 2021; low to high grade opportunity
- ✓ **El Mezquite - Historical artisanal Au-Ag** mining; oxidized low grade heap leachable targets
- ✓ **Pino de Plata - Twelve Ag-Pb-Zn targets**; disseminated epithermal, replacement and skarn carbonate, and veins
- ✓ Low to high grade precious metals and base metals provide discrete opportunities for in-house or partnered development



# Project Overview - Mexico

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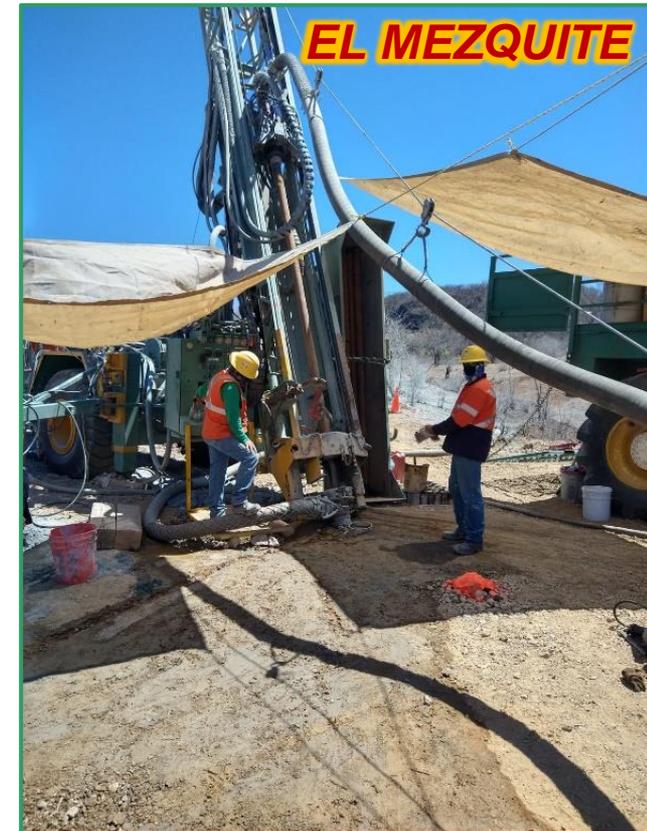
- ✓ Silver Spruce signed three agreements with Colibri Resource to acquire 50% interest in Yaque Minerales S.A de C.V. holding the **El Mezquite** Au project, a drill-ready precious metal project,
- ✓ and up to 50% interest in each of the early-stage **Jackie** Au and **Diamante** Au-Ag projects,
- ✓ Located 5 to 15 kilometres northwest from Minera Alamos' Nicho deposit
  
- ✓ Silver Spruce is acquiring 100% of the 397-hectare **Pino de Plata** project from a private individual in Chinipas, Chihuahua
- ✓ Located 15km west from the Coeur Mining's flagship mine at Palmarejo, Chihuahua that produced 6.3 million ounces of silver and 110,608 ounces of gold in 2020



# Project Overview - Mexico

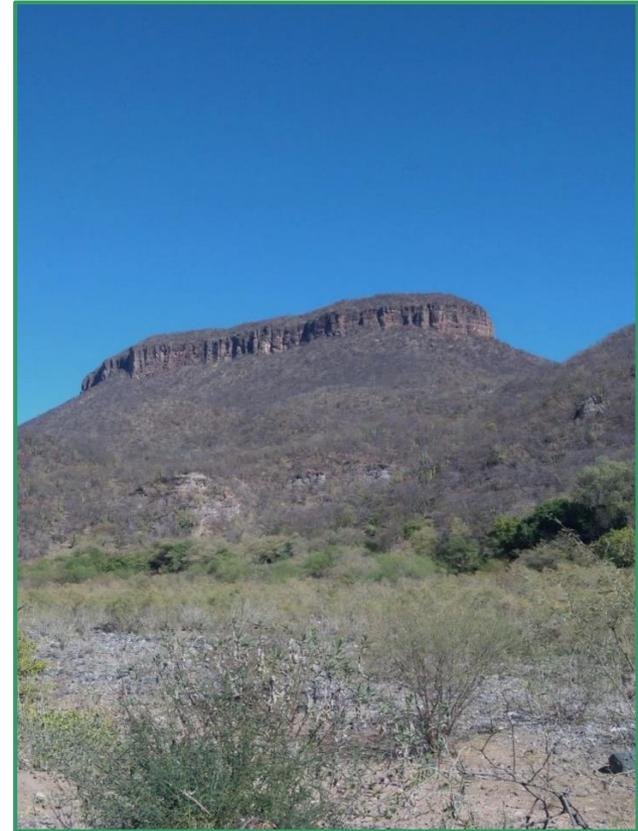
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- ✓ **Jackie** - There is **no prior exploration** reported on the Property. High Au-Ag assays to **9.65 g/t Au and 515 g/t Ag** in new discovery.
- ✓ **Diamante** - **Ten known showings** at La Prieta-El Aguaje, El Chon, El Pillado, La Olla, Lupita, Mezquite Raizudo, El Puerto, El Cumbro, Calton and Anomalía Sur
- ✓ Historical sampling has reported outstanding values up to **39.8 g/t Au, 3,460 g/t Ag, 18.2% Pb and 33.5% Zn** from mine dumps, slag, and vein and stockwork
- ✓ SSE due diligence assays range from 0.127 g/t Au to 1.195 g/t Au associated with up to 837 g/t Ag and 6.87% Zn with Cu, Pb and well-defined heavy metal pathfinder elements
- ✓ **El Mezquite** - **Historical artisanal mining** in highly altered and oxidized andesites, rhyolitic breccias and veins, coincident chargeability highs, geochemical and structural trends with up to **3.41 g/t Au and 387 g/t Ag**



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# ***Jackie Au-Ag Project, Sonora, Mexico***



# Jackie - The Property

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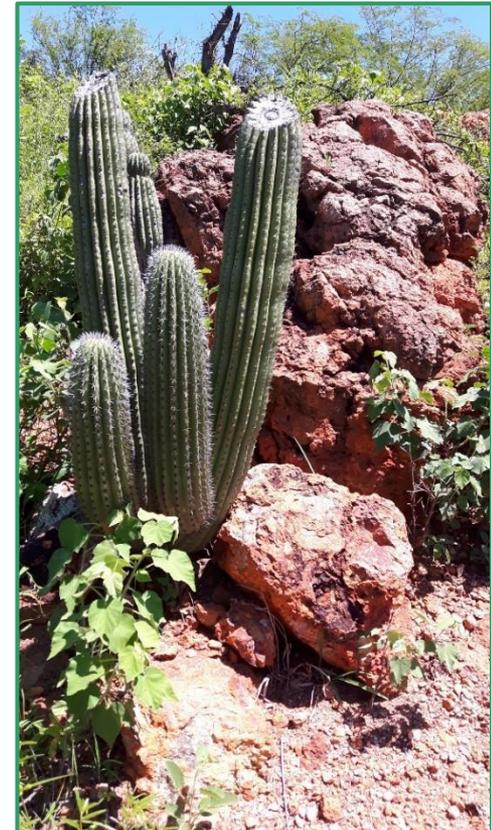
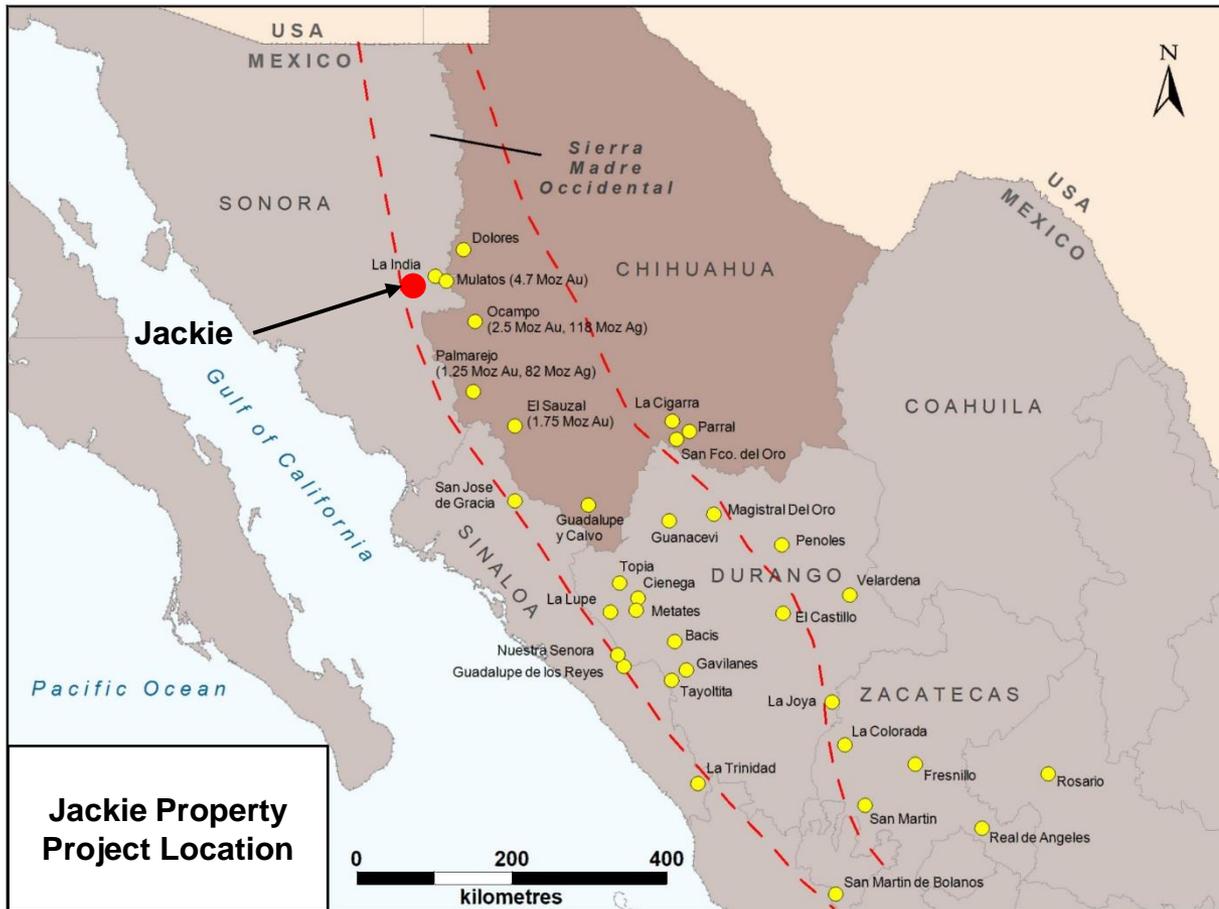
- ✓ Located 52km SW of Mulatos and 60km SW of La India Mines in very productive region of the Sierra Madre Occidental gold-silver belt
- ✓ Road and trail-accessible concessions comprising 1,130 hectares located 170km SE of Hermosillo
- ✓ **Exploration Target is low grade, large tonnage, heap leachable deposit**
- ✓ **No record of historical exploration**
- ✓ West and adjacent to Minera Alamos' Santana/Nicho mine
  
- ✓ Option Agreement completed to earn 50% interest; joint venture documents in preparation
- ✓ Phase 1 and 2 expenditures completed
- ✓ **Final cash and share payment completed Nov 21**



# Project Location

## Sierra Madre Occidental - Sonora

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# Jackie - Exploration and Plans

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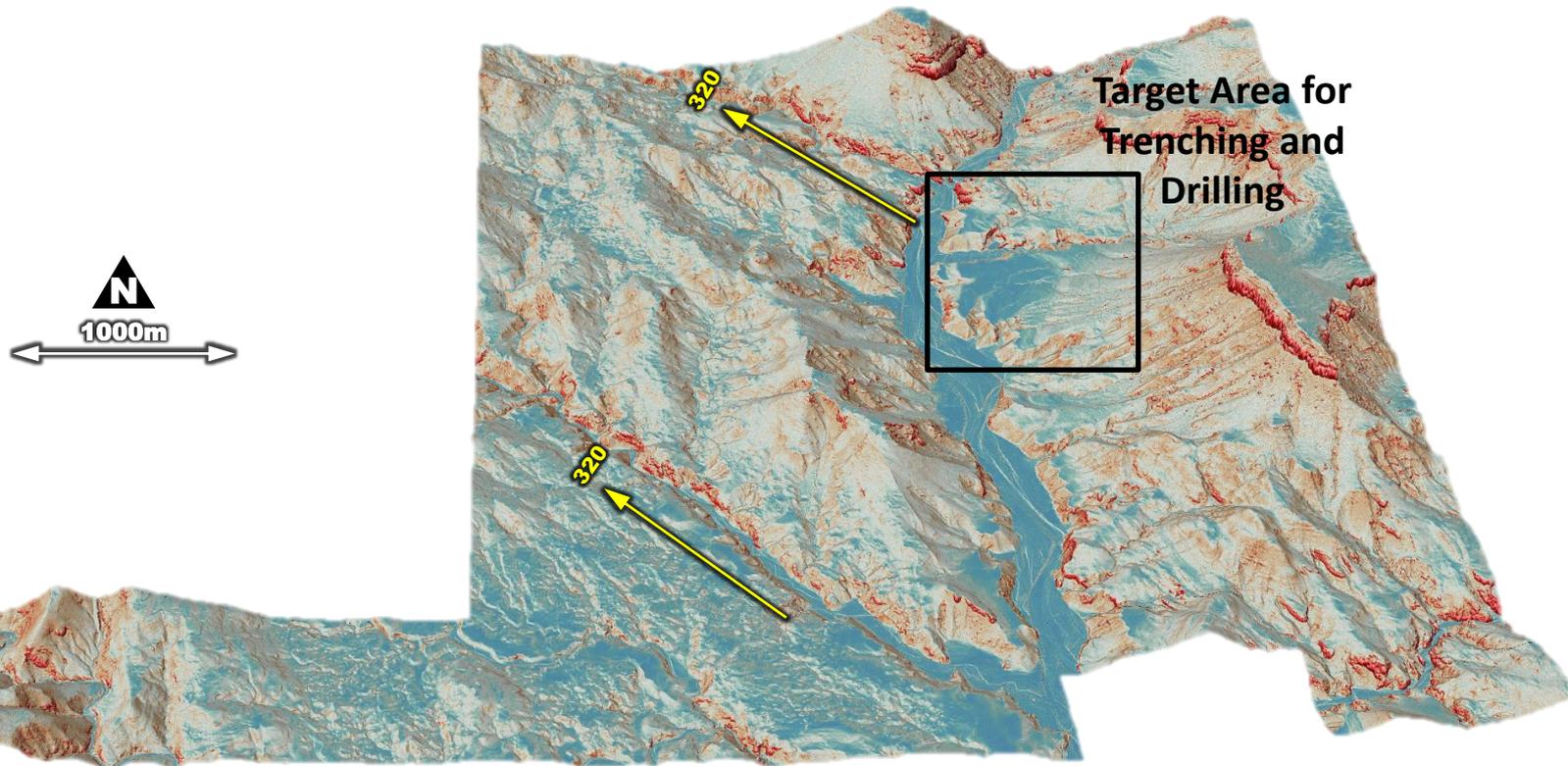
- ✓ Recent Au, multi-element and hyperspectral analysis of 310 rock samples in Phase 1 and 2 programs
- ✓ Phase 1 prospecting identifies new Au-Ag target **up to 9.56 g/t Au and 515 g/t Ag**
- ✓ Phase 2 mapping extends mineralization to 200m x 400m area with open NW trend, samples to **4.15 g/t Au and 100 g/t Ag**
- ✓ Regional hyperspectral ASTER and Landsat 8 OLI interpretation
- ✓ LiDAR survey completed to provide high resolution topography and imagery
- ✓ **Design plans for trenching Q1 2022**
- ✓ **Design plans for 2,000m Phase 1 drilling on principal targets Q1 2022**
- ✓ **Environmental report for drill permits underway Q4 2021, Q1 2022**



Phase 1 sample pit 9.56 g/t Au, 515 g/t Ag  
Intense zeolite, clay, jarosite 'argillic' alteration

# Jackie - Exploration and Plans

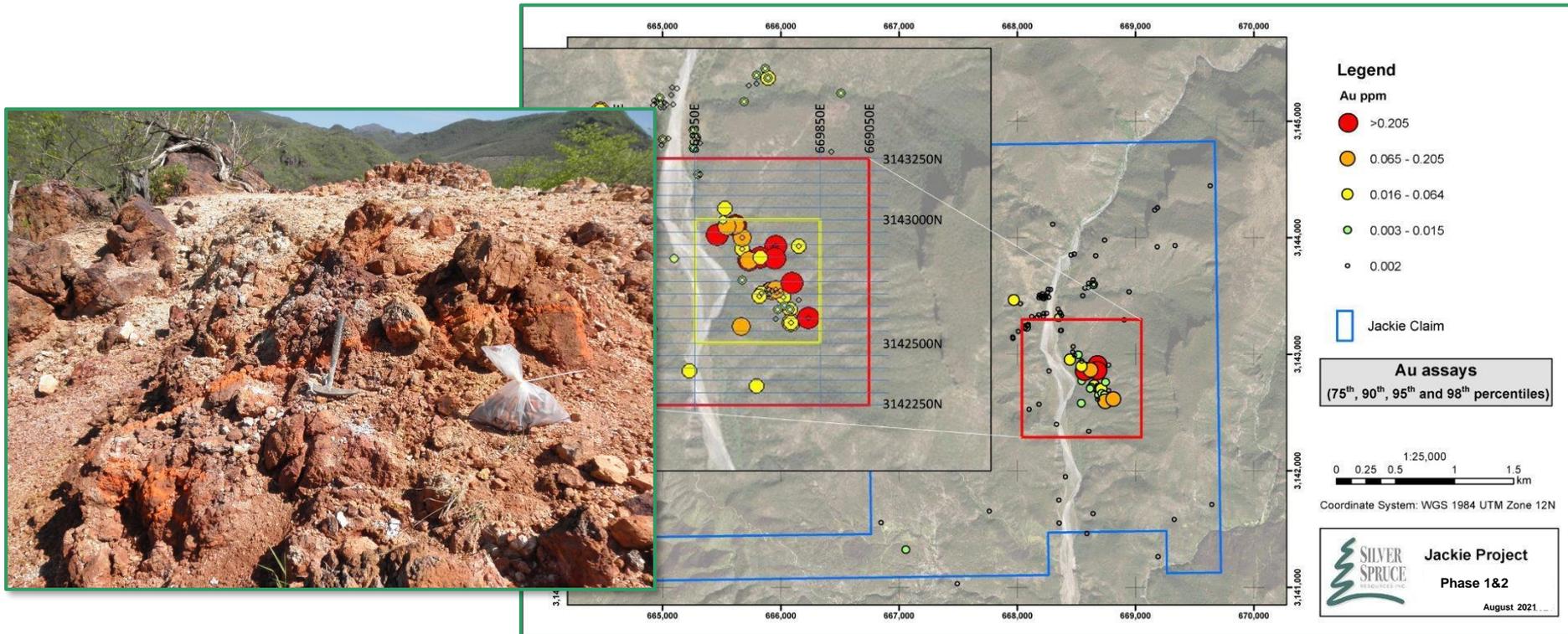
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LiDAR enhanced digital elevation map with drill targets looking south across Jackie property

# Jackie - Exploration Quote

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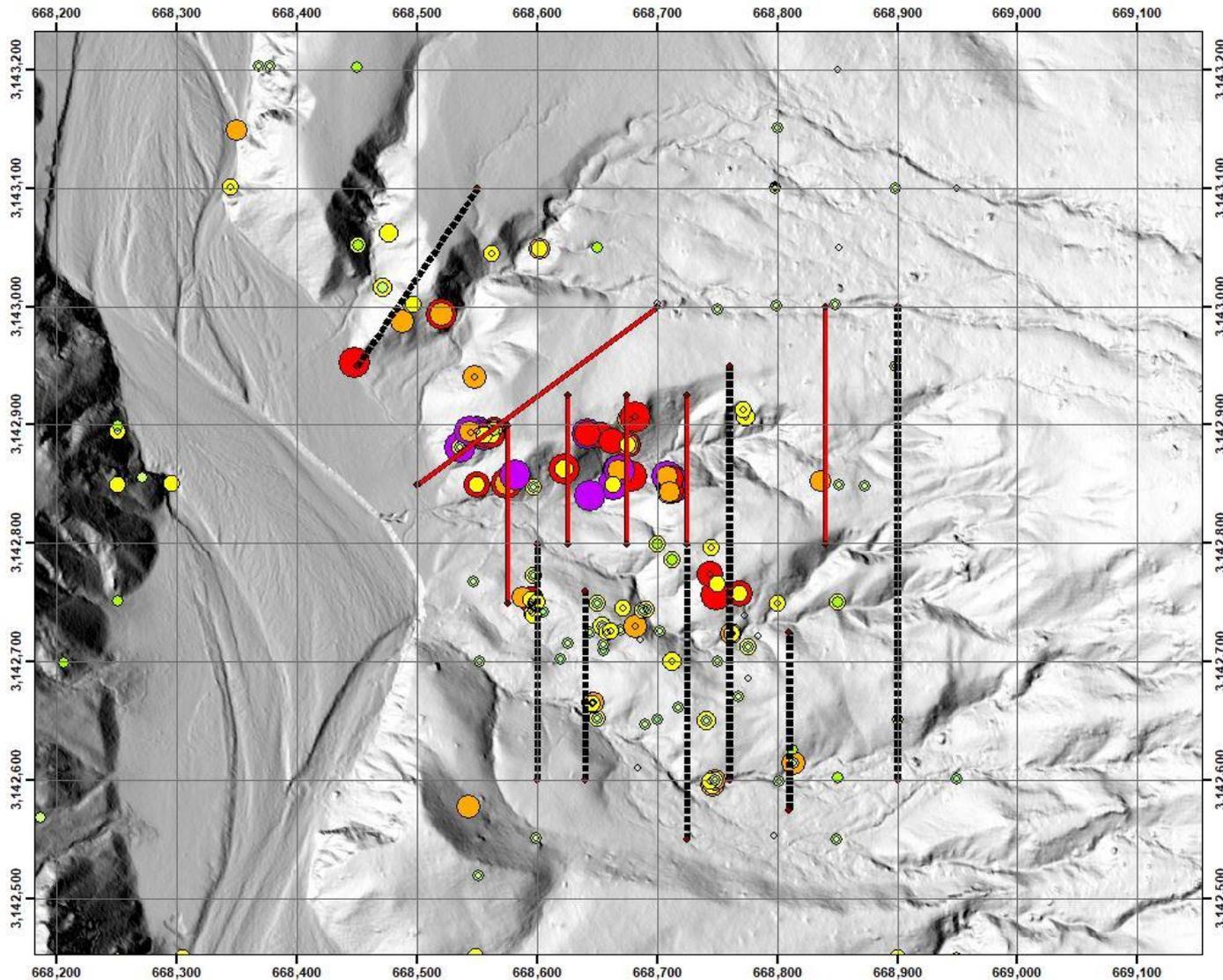


“We are excited about the potential for Jackie given the positive results and an original discovery with our early exploration campaigns. The intense silicate and oxide alteration with high-grade precious metal values ranging up to 9.65 g/t Au and 515 g/t Ag in Phase 1, and up to 4.15 g/t Au and 100 g/t Ag in separate Phase 2 samples, verified and extended the target area anomaly. A northwesterly trend running parallel to structural lineaments provides new untested targets for follow-up sampling and Phase 1 drilling.”



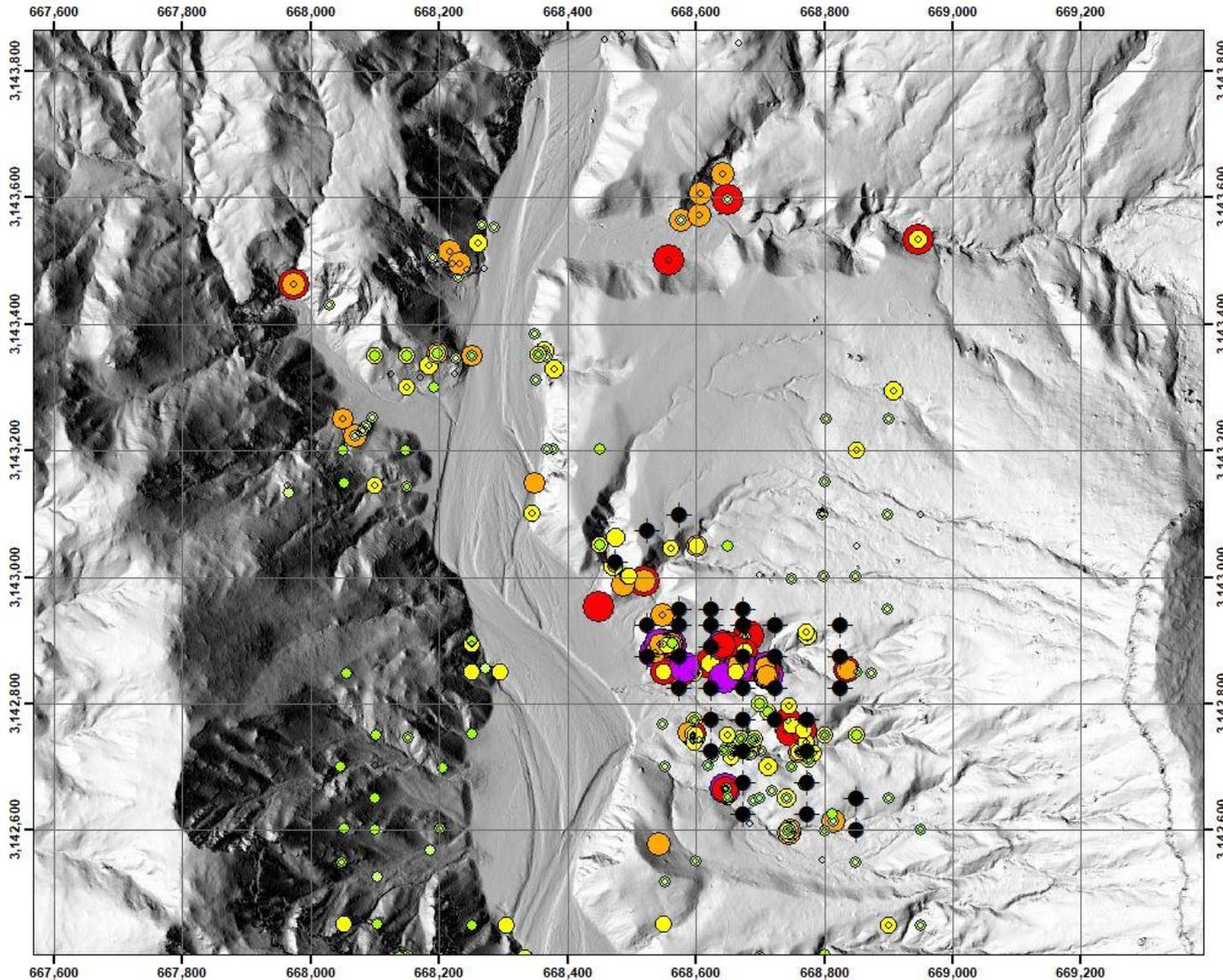
# Jackie - Sampling, Proposed Phase 1 Trenching

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# Jackie - Sampling, Proposed Phase 1 Drilling

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# Silver Spruce Resources Inc.

TSX Venture: SSE, USA OTCQB: SSEBF, Frankfurt: S6Q



Suite 440, 1600 Bedford Highway,  
Bedford, Nova Scotia, B4A 1E8 Canada

Michael Kinley CEO Director 902-402-0388  
Greg Davison PGeo VPX Director 250-521-0444

[info@silverspruceresources.com](mailto:info@silverspruceresources.com)  
[www.silverspruceresources.com](http://www.silverspruceresources.com)

