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Pacific Ridge Exploration Ltd.

TSX.V: PEX

Active Gold Exploration in The White Gold District

In an industry sector where an old investing maxim says ‘to bet on the jockey’ there are few companies with as experienced and successful a leader as Pacific Ridge Exploration. John Brock, one of the most recognized geology professionals in Canada, leads the junior exploration company that has a portfolio of grass roots and advanced-stage exploration projects for gold, uranium, copper and phosphate.

Mr. Brock has been a key figure in the discovery of gold deposits in BC, Nevada, Mexico, and Ecuador; copper in BC; uranium in Nunavut and Mongolia; lead-zinc in the Yukon; and zinc in Sumatra. He has been awarded the Canadian Institute of Mining, Metallurgy and Petroleum’s *J.C. Sproule Award* for his achievements in the exploration and development of Canada’s mineral resources in the northern regions; the BC and Yukon Chamber of Mines President’s Award, *Murray Pezim Award* for success in his financing ventures, and the Cambridge House Lifetime Achievement Award.

The noted jockey has not hung up his reins by any means, and he controls an impressive stable of exploration properties that could well result in a few more discoveries being added to his record.

KLONDIKE KATE – GOLD PROJECT, YUKON

The Klondike Kate Gold Project is an assembly of five properties in the south Klondike’s Tintina Gold Belt in the re-

gion of Underworld Resources’ White Gold discovery.

In July 2008 Underworld announced finding 9.4gpt gold over 5.7m at the White Gold project, then in October they announced intersecting 3.1 gpt gold over 50.7m in an 80 metre step-out hold. The previously unrecognized style of gold deposit found at White Gold has regional implications for discovery of additional deposits in the Klondike district. Realizing the geological significance of Underworld’s discovery, John Brock began assembling the properties through the summer of 2009. The Pacific Ridge team was familiar with the area—they’d worked there since the late 1960’s and had compiled a large data set from their previous exploration efforts, which helped them in selecting prospective ground.

Pacific Ridge initially staked their **Goldcap** holding because its geology was favourable to host White Gold style mineralization. In fact, the property is tied on to the northeastern boundary of the White Gold project. John Brock also knew the ground holds an magnetic anomaly and that a Geological Survey of Canada silt sample gathered on the holding provided the highest anomalous gold geochemical response in the Southern Klondike.

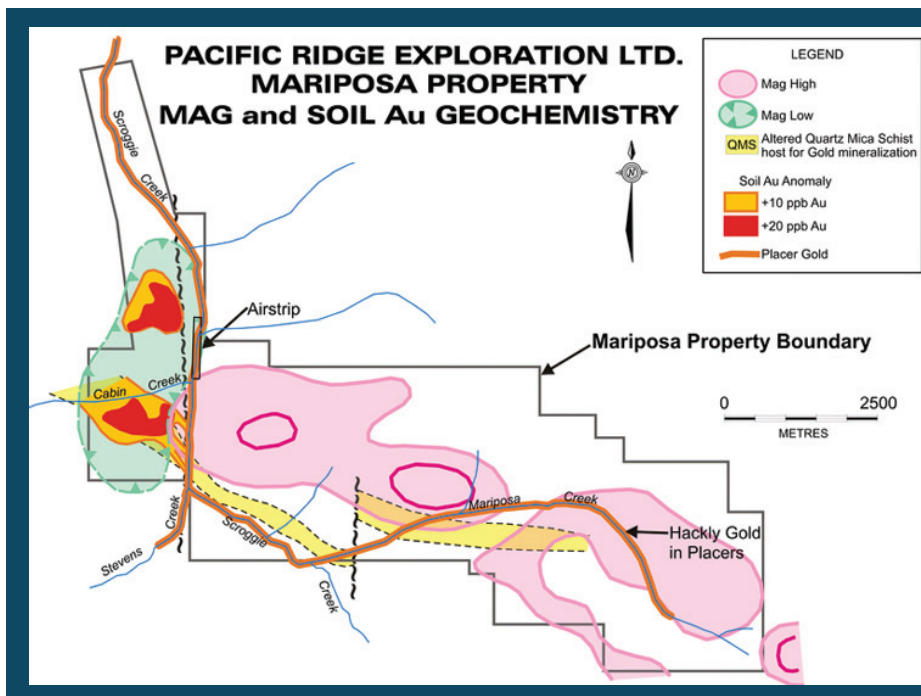
The company later added the **Polar Stewart** property, which lies along the Goldcap, acquiring it from local Dawson City prospector Shawn Ryan, who is credited with the White Gold discovery

itself. Soil sampling in 2009 defined three sub-parallel northerly trending arsenic-antimony-nickel-gold soil anomalies measuring 2 to 4 km in length and remaining open for expansion to the north.

The **Eureka & Moose** properties are some 55 km north of the White Gold Property. The Eureka claims were staked over the eastern flanks of Eureka Dome which has placer gold occurrences in most of the creeks draining from the higher ground. The Moose property, lying on-strike to the southeast of the Eureka holding, may also be a potential source of placer gold. The 2009 exploration program consisted of prospecting and rock sampling. It identified an area measuring approximately 1 by 2 km of alteration along with an epithermal gold signature comprised of anomalous values for arsenic, mercury, barium, antimony and gold.

In the fall of 2009, Pacific Ridge optioned the 50 sq. km. **Mariposa** property. Geochemistry findings, aeromagnetic anomalies, geological similarities to the model at White Gold, and the presence of placer gold in the drainages all point to the possibility of a gold deposit at the holding. Further, the described “hackly” nature of the placer gold—meaning there are rough edges on the nuggets—indicates it has come from a nearby lode source. Additional geochemical surveys were undertaken before the snow flew to prepare for trenching and drilling programs in 2010.

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FYRE LAKE – COPPER/GOLD, YUKON

The 35 sq km Fyre Lake property lies approximately 250 km east of Whitehorse in southeastern Yukon Territory, and hosts “Besshi-type” (stratiform and tabular) copper-cobalt-gold volcanogenic massive sulphide mineralization. Exploration to date has partially drill defined the Kona massive sulphide deposit and outlined a number of satellite targets with potential for additional VMS deposits. An NI 43-101 compliant mineral resource study of the Kona Deposit estimated an indicated mineral resource of 3.57 million tonnes grading 1.57% copper, 0.10% cobalt and 0.61 g/gpt gold, at a 1 percent copper cut-off grade. Its inferred mineral resource, at the same cut-off grade, is 5.361 million tonnes grading 1.48% copper, 0.08% cobalt and 0.53 gpt gold.

BAKER BASIN – URANIUM, NUNAVUT

The Baker Lake Basin in south-western Nunavut is one of four Proterozoic Age basins within the Canadian Shield that are host to uranium deposits, the most well-known being the Athabasca basin in northern Saskatchewan. Pacific Ridge’s Baker Basin project is over 190,000 hectares in size and hosts at least 20 uranium prospects occurring along a 60-kilometre length of the southern boundary of the Basin. In 2007 Pacific Ridge reported a

drill hole from the Lucky Zone that intercepted 0.30% U₃O₈ over 17.3 m. Drilling at the KZ Zone in 2006 intercepted 11.5 m. of 0.31% U₃O₈.

Late in 2008 Aurora Energy Resources optioned a 51% interest in Pacific Ridge’s Baker Basin Uranium Property, agreeing to spend \$15 million on exploration over three years.

TUMBLER RIDGE– PHOSPHATE PROPERTY, BC

The 517 sq. km. Tumbler Ridge phosphate project is located in east central British Columbia. Phosphoric acid is a primary ingredient in fertilizer products, and is produced by leaching mine grade phosphate rock with sulphuric acid.

Pacific Ridge selected the phosphate project area based on the high potential for discovery of large tonnages of phosphate mineralization, coupled with an established area of infrastructure for supporting future mine production. The claims hold known surface deposits of phosphate mineralization, and sampling and trenching programs in 2008 identified widespread laterally continuous phosphate mineralization. Of particular note are the Wapiti and Tunnel zones which yielded values to 29.1% P₂O₅ over 3 m. and 19.4% P₂O₅ over 3 m. respectively. The phosphate horizons occur as dip sloping beds, suggesting opportunity for open pit extraction.

Associated with the phosphate mineralization, reported rare earth values of Lanthanum, Cerium and Yttrium suggest opportunity for added value.

DYNAMIC CONCLUSION

Pacific Ridge has the Klondike Kate gold project on the front burner now, and with the strength of the gold price and the company’s experience in the Yukon, it’s an exciting time for followers of the company. Their 2009 exploration programs, including soil sampling, geologic mapping and magnetometer surveys, were directed to establishment of trench and drill targets for 2010. Investors today can expect that there will be considerable news flow coming out of the north in the coming season.

Shares Outstanding: 25.7 million

6 Month High: \$0.26 / Low \$0.14

FOR MORE INFORMATION



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