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Ongoing Expansion of Mineral Potential and Resources at the Lac des Iles Palladium Mine, in Northwest Ontario

ABSTRACT

The Lac des Iles Mine in NW Ontario is one of two primary Palladium (Pd) producers in North America. The main orebodies; the Roby and Offset deposits contain most of the majority of historical and current mineral resources. However, near-mine exploration continues to reveal Pd-rich zones up to 2 km away. The most significant of those zones is the newly discovered C Zone. Modelling of recent drilling results suggests that C Zone has the potential for mineralization >200 strike length and > 800 metres vertical extent. Similar to both Roby and Offset deposits, C Zone exhibits: 1) a strong spatial association between Pd grade and base metal sulfide content; 2) persistently high Pd:Pt ratios (>10:1); 3) high Pd tenors; 4) strong spatial association with major faults and 4) deposition within magmatic breccia bodies that display a wide range in size, geometry, rock types and texture.

BIOGRAPHY

Dr. Djon is a Professional Geoscientist with over 10 years of exploration and applied research experience specializing in magmatic PGE-Ni-Cu-ore deposits. In 2010, Dr. Djon joined the North American Palladium Ltd that operates the world-class Lac des Iles palladium deposits, where he initially worked as Research and Development Geologist and now as Principal Geoscientist. He has led and contributed to several exploration and development projects inside and outside the Lac des Iles Mine. He received a Ph.D. degree in Geology from Queen's University and holds a Masters' degree in Geology with the Canada Research Chair in Magmatic Ore Deposits in Quebec.



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