

Gold Potential in the Warclub Assemblage

Portions of metasedimentary-dominated sequences that contain regionally subordinate units of felsic volcanic or chert- magnetite ironstone units having markedly contrasting ductility are commonly characterized by heterogeneous strain which may serve to focus fluid flow responsible for alteration and gold mineralization. Examples of this deposition environment include the Hemlo deposit (an example of a felsic volcanic porphyry ductility contrast model) in the Wawa subprovince and the Thunder Lake and Plomp Farm occurrences in the Wabigoon subprovince. There is potential for this style of gold mineralization in all metasedimentary-dominated sequences in the Superior Province.

Additional References:

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Blackburn, C.E. et al., 1998. Gold potential of the Eagle-Wabigoon lakes area *in* Report of Activities 1997, Resident Geologist Program, Red Lake Regional Resident Geologist Report: Red Lake and Kenora Districts; Ontario Geological Survey, Open File Report 5969, 68p.

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Gold in the Dinorwic Lake area

Regional scale iron carbonate alteration with widespread quartz-carbonate veining and more localized areas of silicification possibly corresponding to the northern termination of the Manitou Straits fault is present in the Dinorwic Lake area. Several historical gold occurrences are known in the area, including the Big Ruby occurrence from which very high grade mineralization is reported (Parker, 1989) and the Pidgeon Wabigoon occurrence where 0.29 opt Au returned from 18 ft of drill core (Kenora assessment file, 52F/10 NE E-1). The character of the alteration is similar in certain aspects to that associated with gold mineralization at Red Lake which, together with the presence of historical occurrences, suggests further exploration for may be warranted.

Additional References:

Beakhouse, G.P., 2002. Precambrian Geology of the Dinorwic Area, Wabigoon Subprovince. *in* Summary of Field Work and Other Activities 2002, Ontario Geological Survey

Parker, J.R., 1989. Geology, gold mineralization and property visits in the area investigated by the Dryden – Ignace Economic Geologist, 1984-1987. Ontario Geological Survey, Open File Report 5723, 306 p.