



## Bob Singh

### Great Bear Resources

## Dixie Project: High Grade near surface gold discovery in Red Lake

### ABSTRACT

The 100% owned, 9500-hectare Dixie Gold Project located 15 kilometres southeast of Red Lake, Ontario, lies near the contact between the Uchi and English geological Sub-provinces which are divisions of the Western Superior Geological Province.

Three styles of gold mineralization are observed at Dixie: 1) Gold associated with quartz veins within mafic volcanic host rocks ("Hinge Zone" or "DHZ"); 2) silica-sulphide replacement zones within sediments and mafic volcanic rocks ("Dixie Limb" or "DL"), and 3) felsic volcanic hosted gold proximal to a regional deformation zone ("LP Fault Zone" or "LP")

Alteration consists of haloes of red-brown biotite, actinolite and fe-carbonate surrounding high grade quartz veins in the DL and DHZ and quartz-sericite-albite within the LP Fault. Significant results to date include: DL-005 - 10.40m of 16.84 g/t gold within the silica-sulphide alteration zone at the DL, and DHZ-004 - 7.0 metres of 68.76 g/t gold within quartz veins at the DHZ and BR-036 – 18.20 metres of 10.32 g/t gold at the LP Fault.

Exploration by various companies commenced in the 1940's with the discovery of significant gold in drilling at the 88-4 zone (1988); work continued until 2012 resulting in many additional discoveries. Great Bear began exploration in 2016 with re-logging and re-surveying of historical drill core, 3D modelling and airborne geophysics, followed up by diamond drilling in 2017. The results of this work program led to the identification of large-scale structures controlling gold mineralization which have now been drill tested across 4km kilometres and to a depth of approximately 480 metres vertical. The zones remain open in all directions. Interpretation of oriented drill core, airborne geophysics and the limited bedrock exposure has identified at least two phases of deformation. A regional scale deformation zone (LP Fault) and two major regional scale D2 fold axes and fold hinges cross the property and are at the focus of current drilling. Regionally, these structures are considered critical features for localizing gold bearing hydrothermal fluids during peak deformation and metamorphic conditions.

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### BIOGRAPHY

Bob has been associated with the mineral exploration industry for 32 years. He has strong technical background in evaluating and exploring gold and base metal systems and has outstanding geological, data management, computer and project management abilities. He is founder of North Face Software Ltd. and serves as its President. He has worked for both junior and major mining companies as well as developed new technologies for recording and analyzing geological data. Mr. Singh has managed and modeled several exploration projects in the Red Lake Gold district since 2003 and was a key member of an exploration team exploring for sediment hosted gold deposits in British Columbia.



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