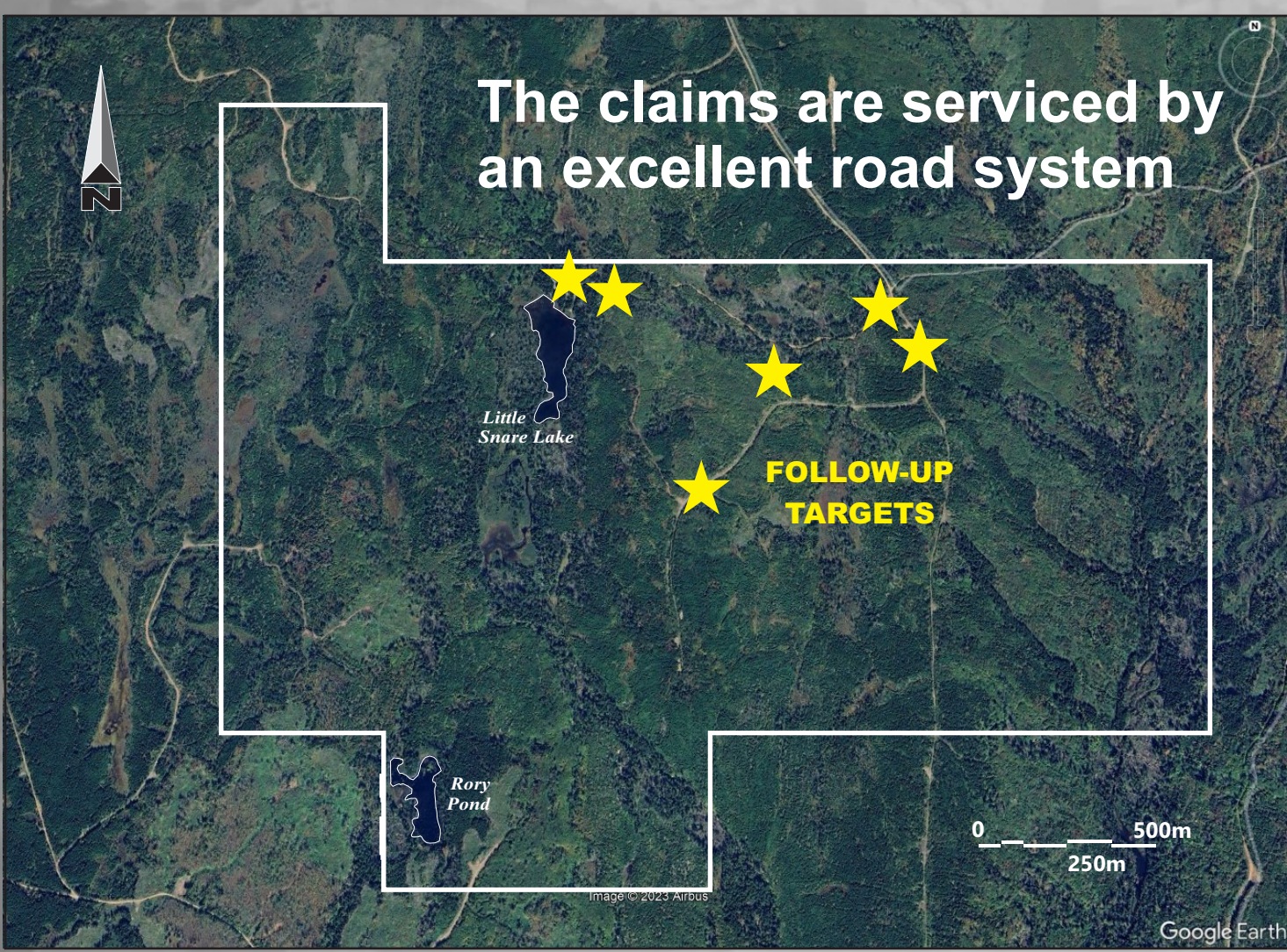
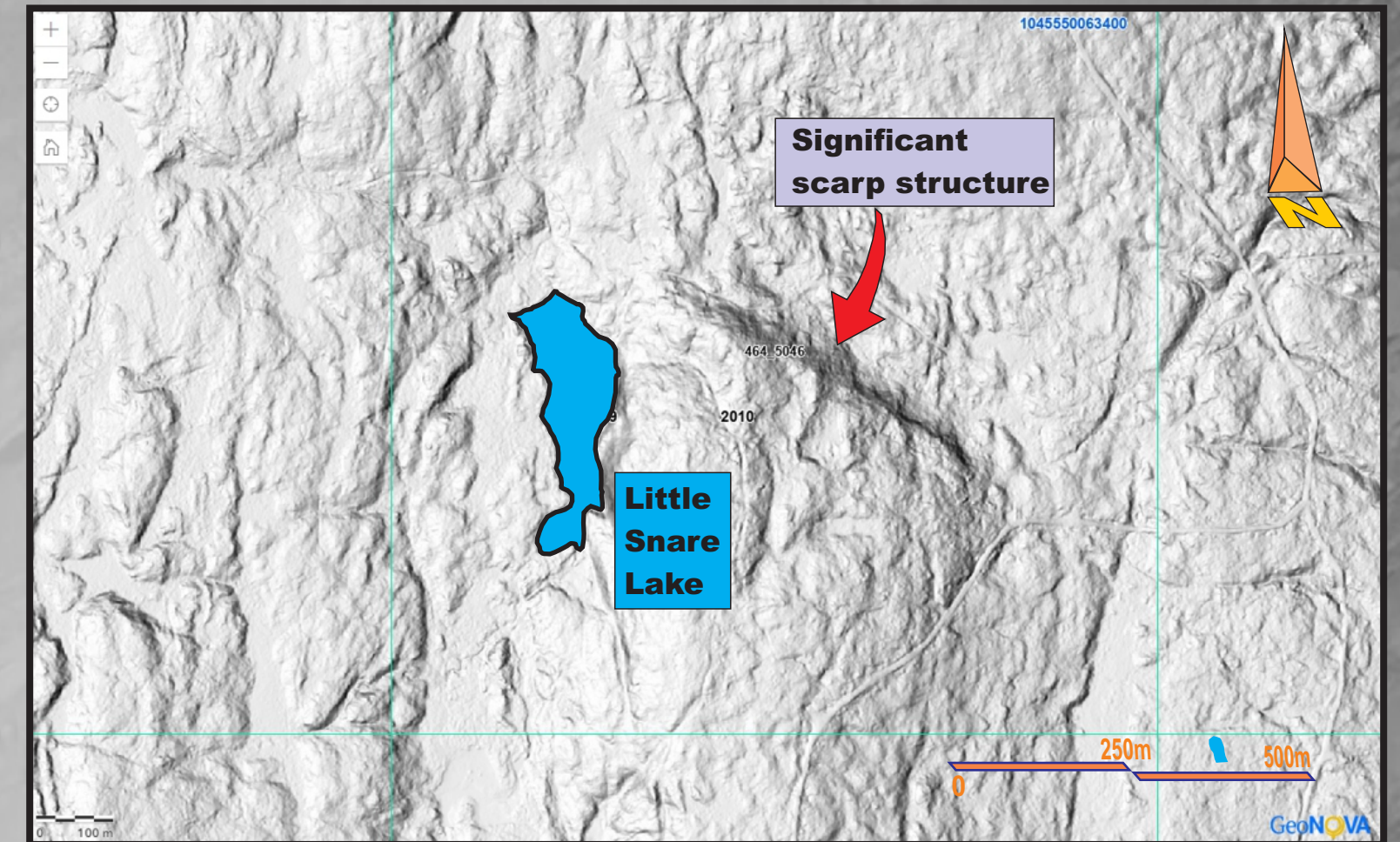
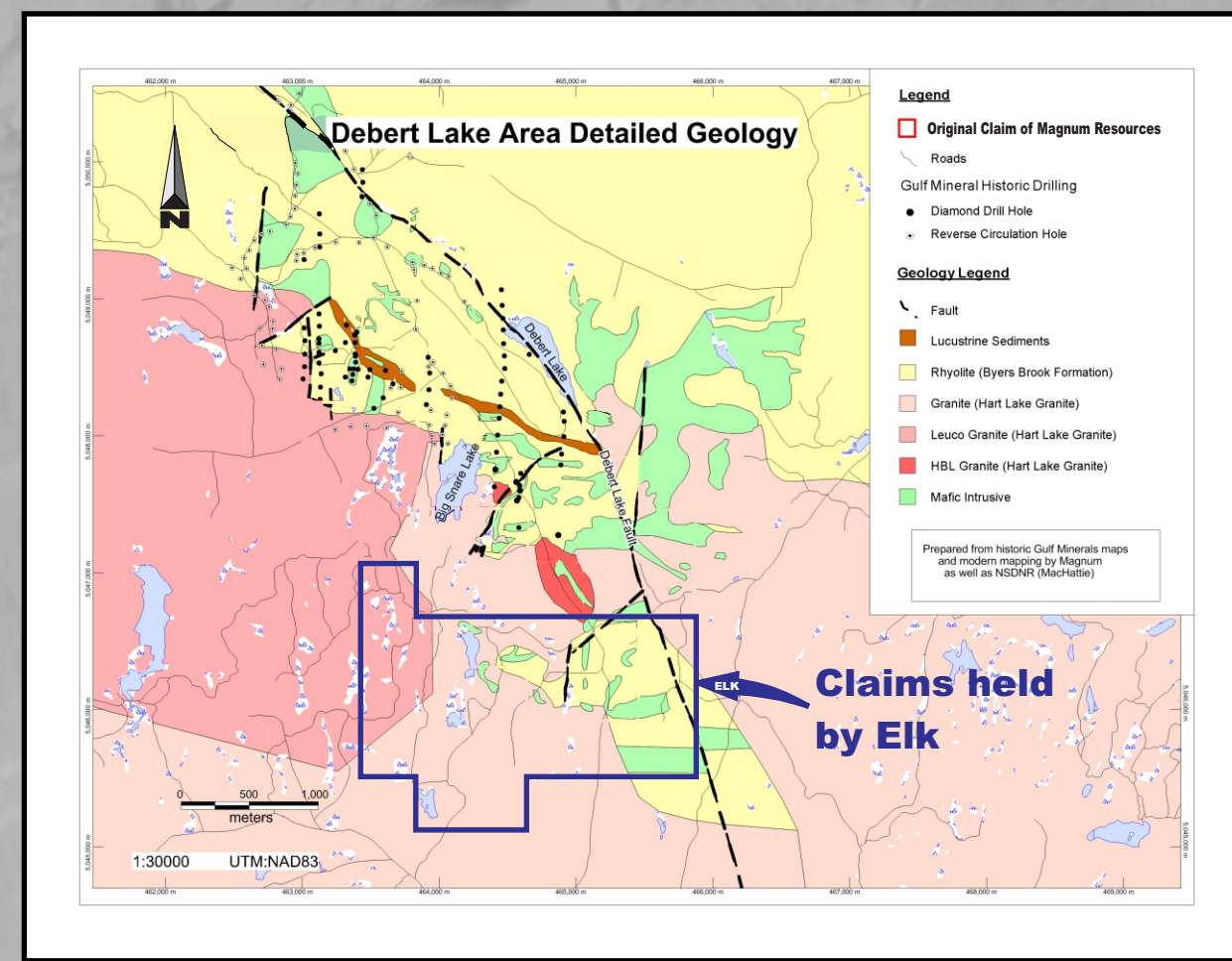
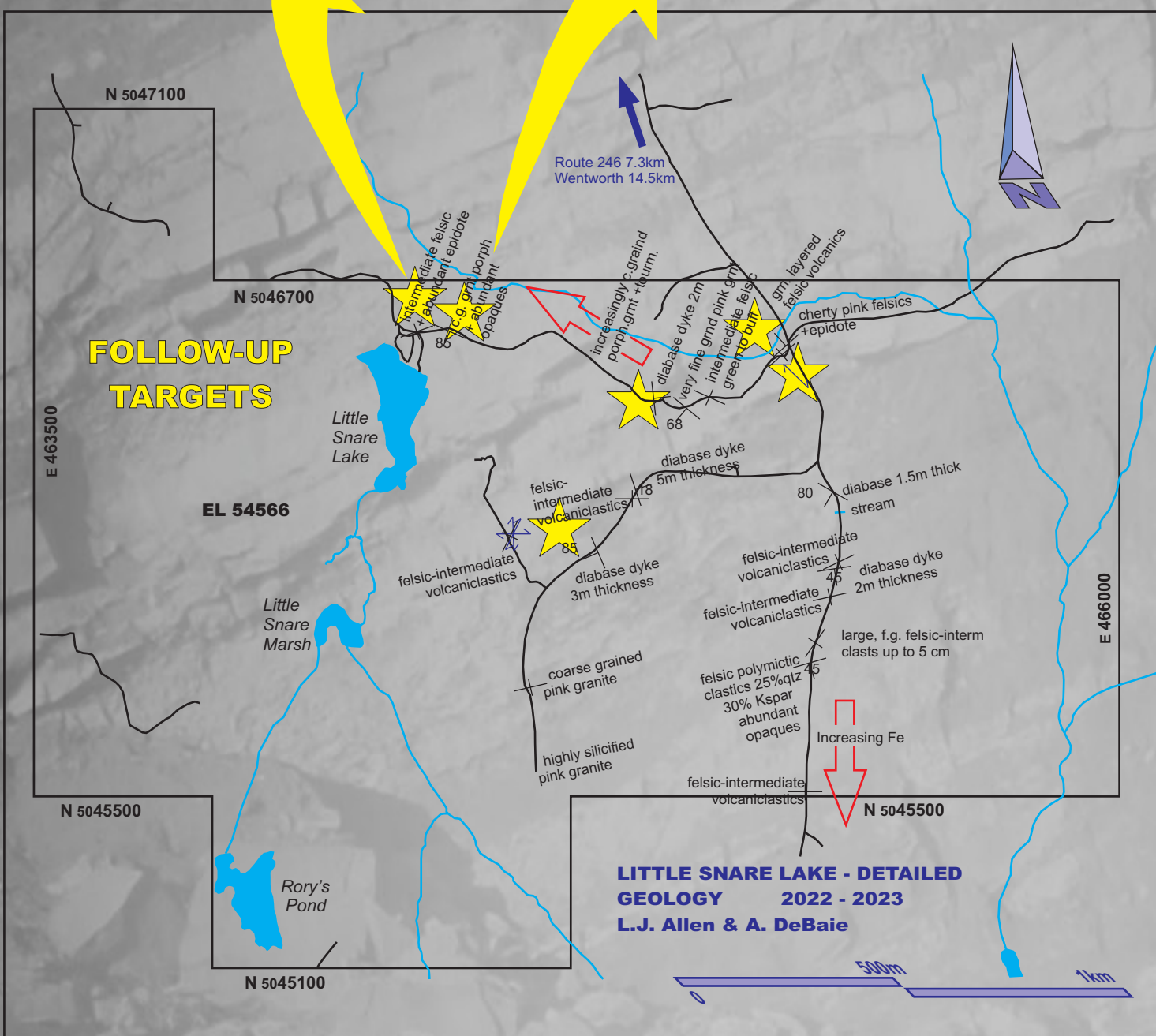
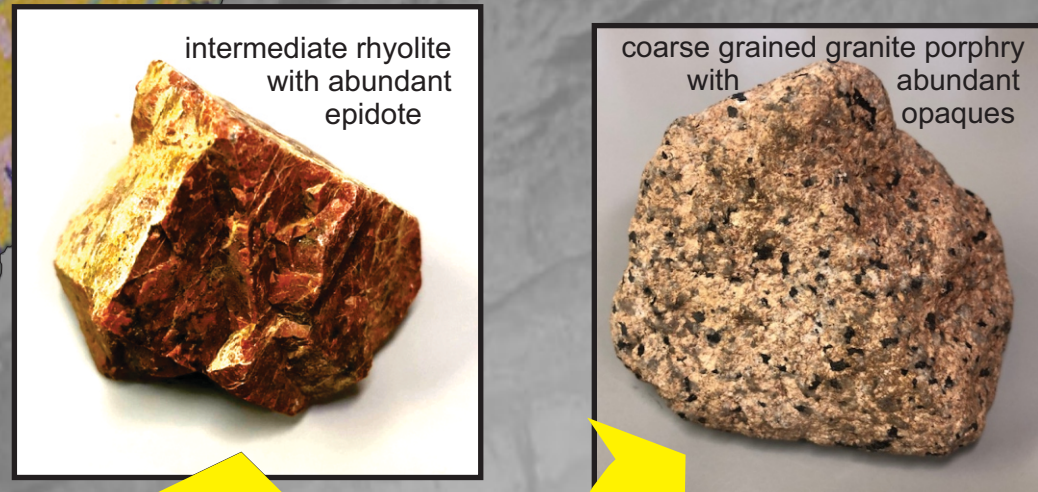


# REEs and CRITICAL MINERALS at LITTLE SNARE LAKE, Colchester Co., NS

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## LITTLE SNARE LAKE



Little Snare Lake was part of the property investigated by Gulf Minerals in 1970's for uranium which subsequently became a REE target when 1.46% REEs were found in old DDH core from the Gulf program.

Since that time, many claims have changed. Lindsay Allen's original discovery trenches, the impetus for an option with Magnum Resources, indicated roots of the system to be south of the discovery site toward this property which was subsequently dropped by Magnum Resources and re-claimed by Lindsay Allen.

**K-rich, Th anomalous Gulf Minerals found by T. MacHattie.**

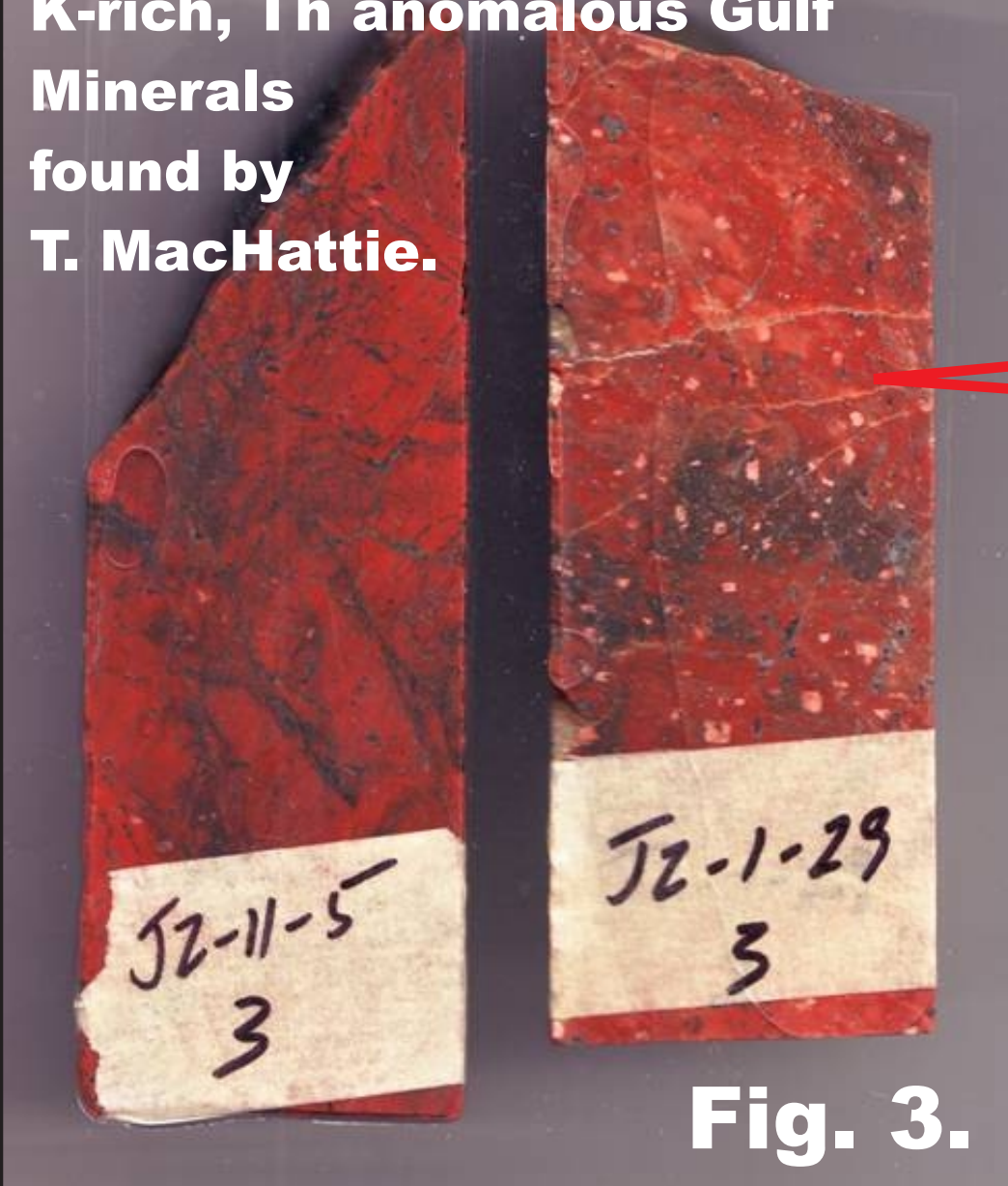
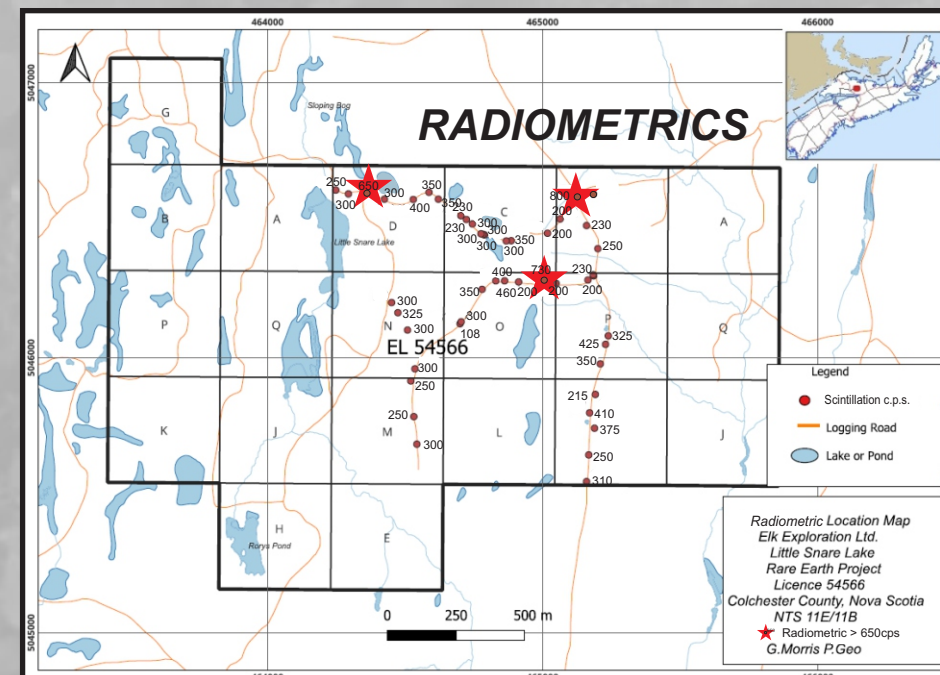
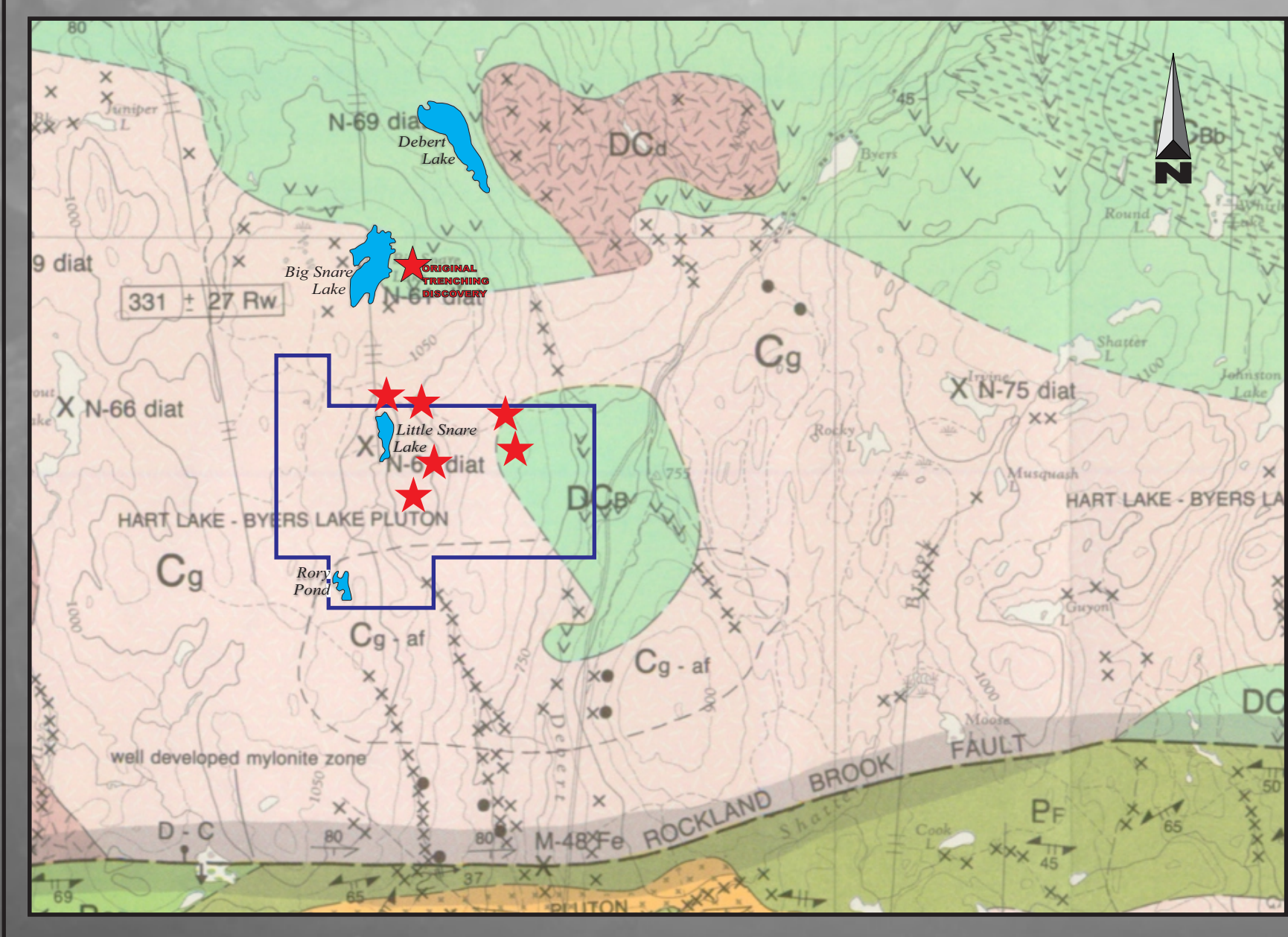
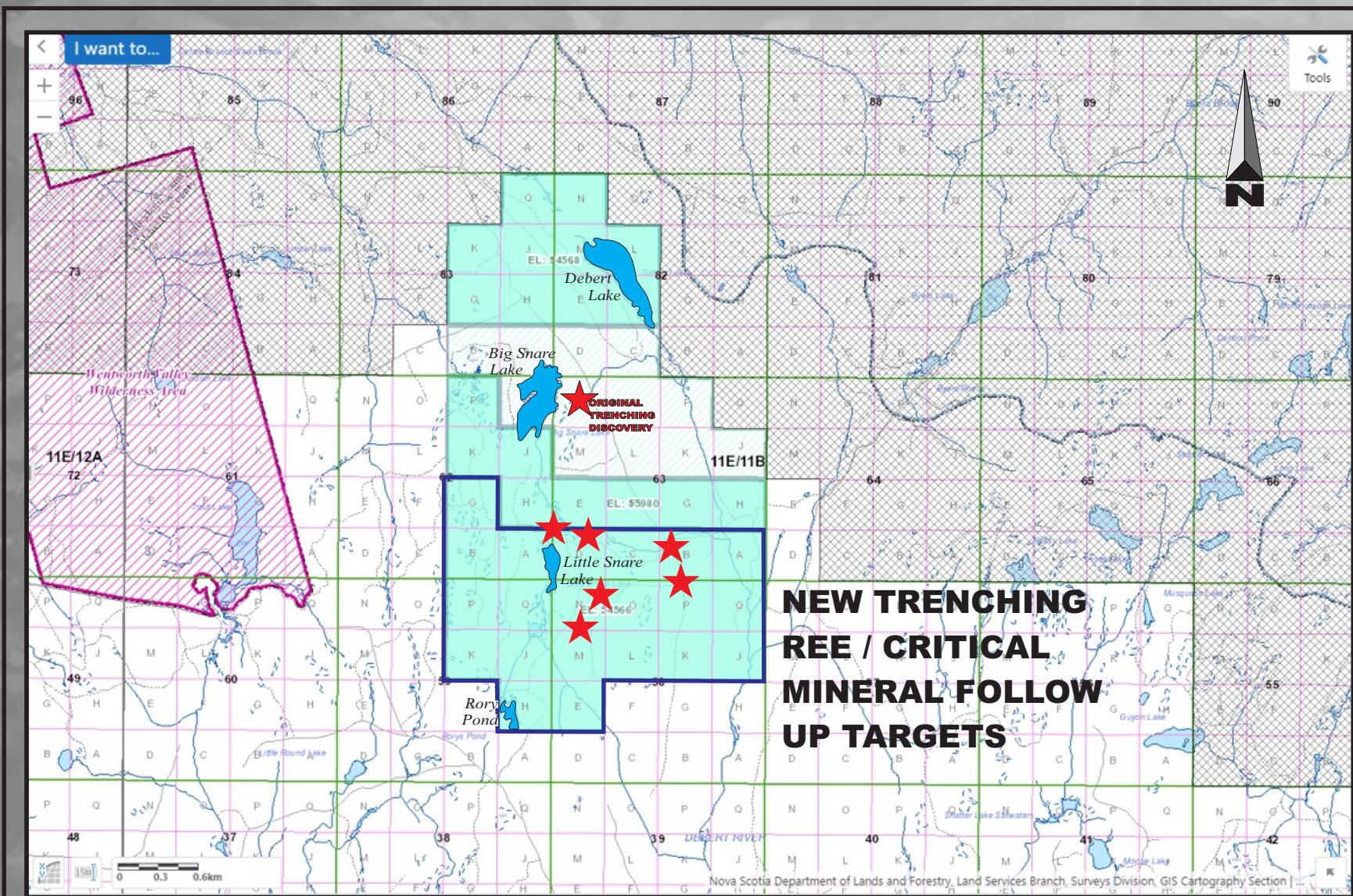
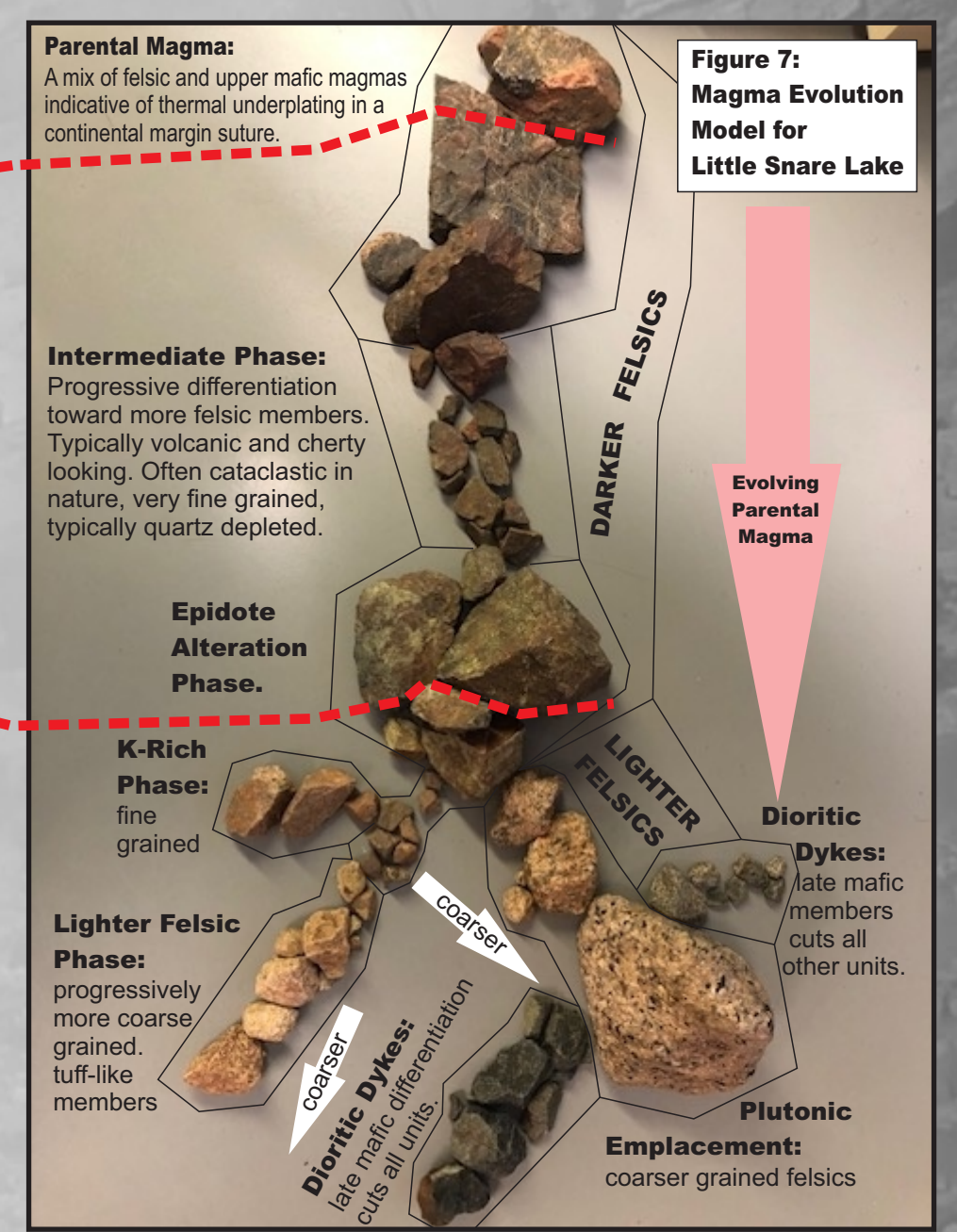
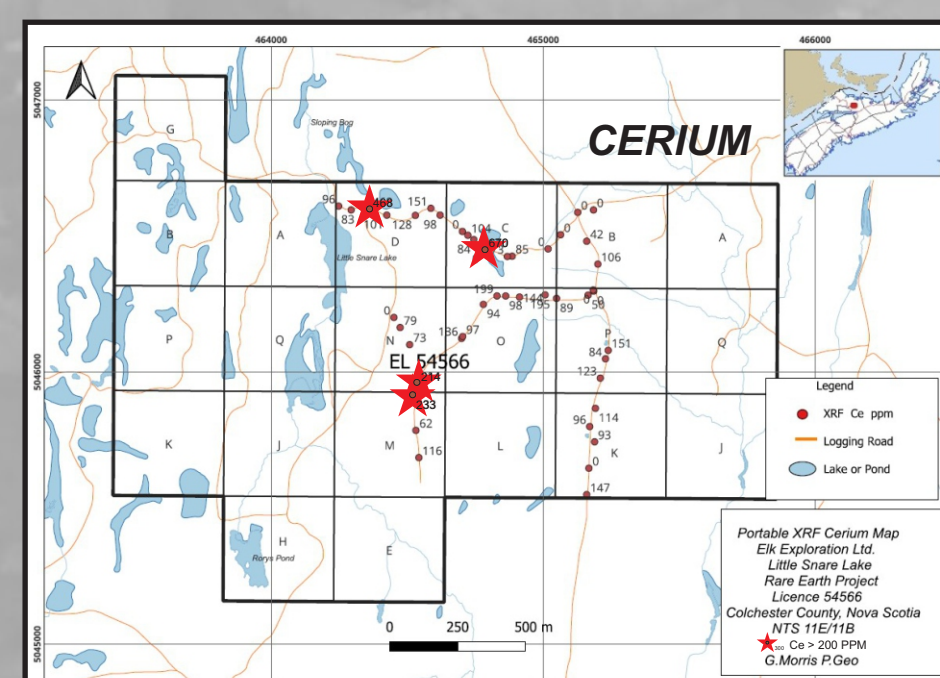


Fig. 3.



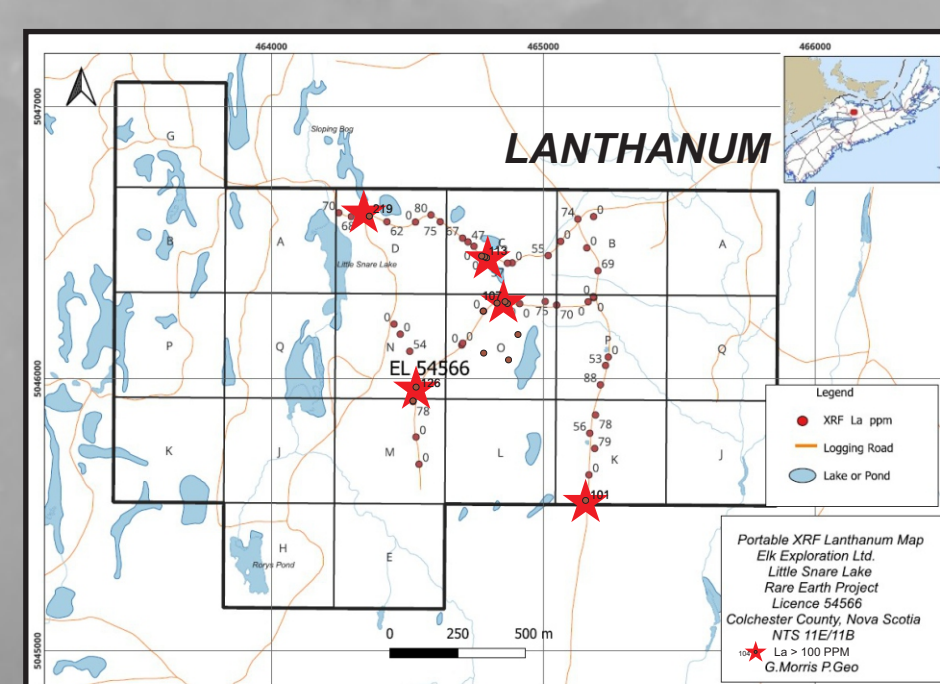
Several very low (<75) K/Rb ratios are seen that are indicative of a highly evolved melt with advanced stages of alteration.

Enrichment of REEs at Little Snare Lake has been seen to be associated with high thorium, a heavy rare earth and radioactive element.



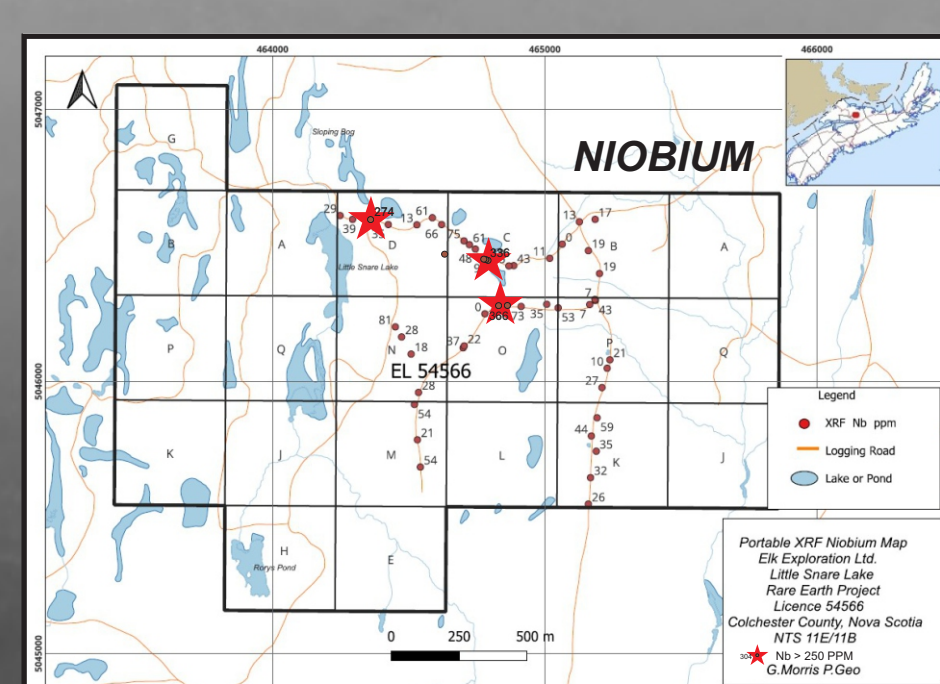
Yttrium is considered to be a proxy for rare earths and is often included with them in ore reserve estimates. Yttrium at Little Snare Lake occurs at other critical mineral target sites on the property.

Cerium, a light rare earth, is considered an indicator for such critical minerals as dysprosium and neodymium.



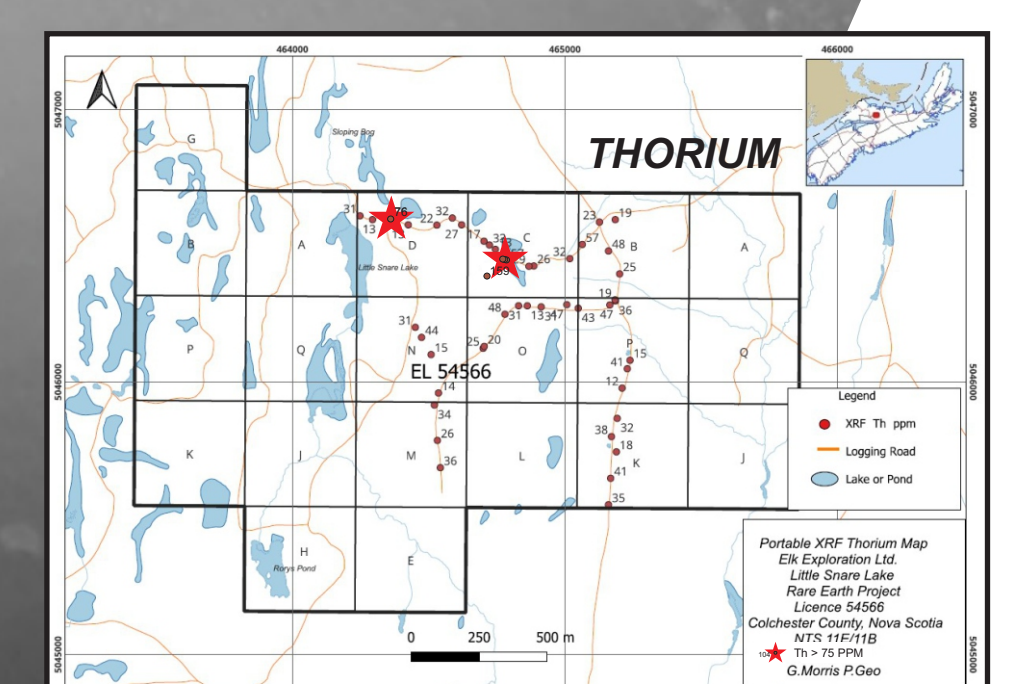
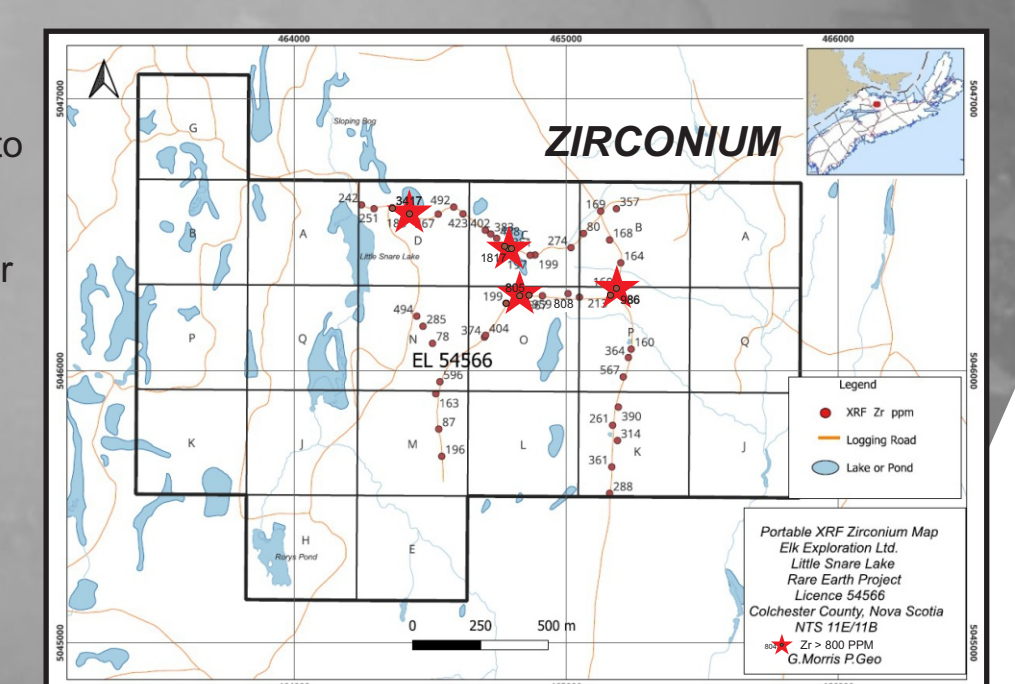
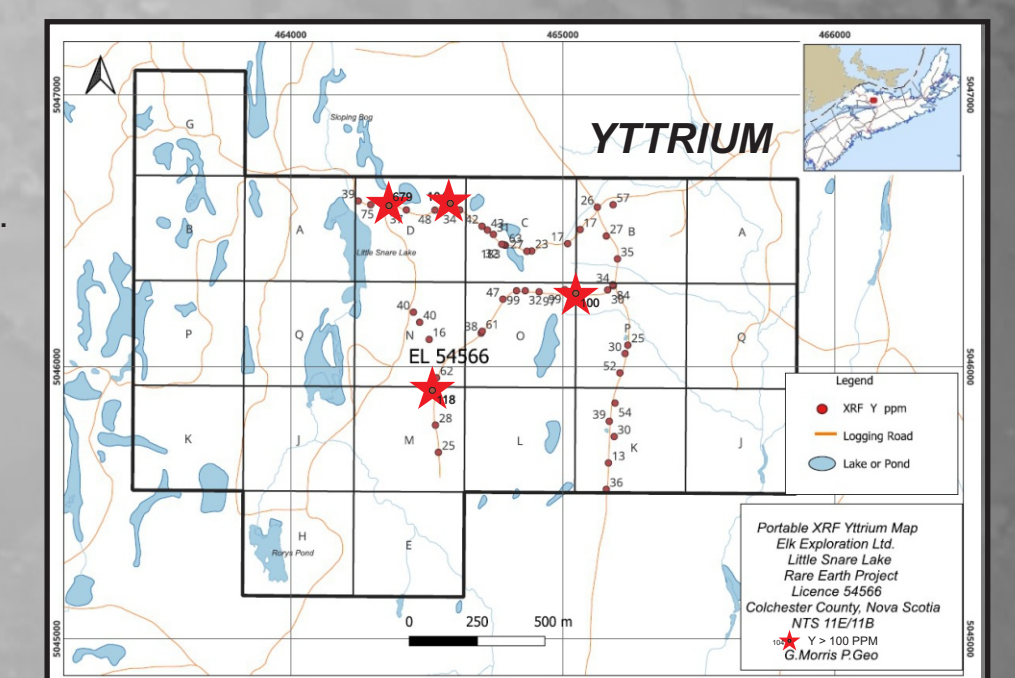
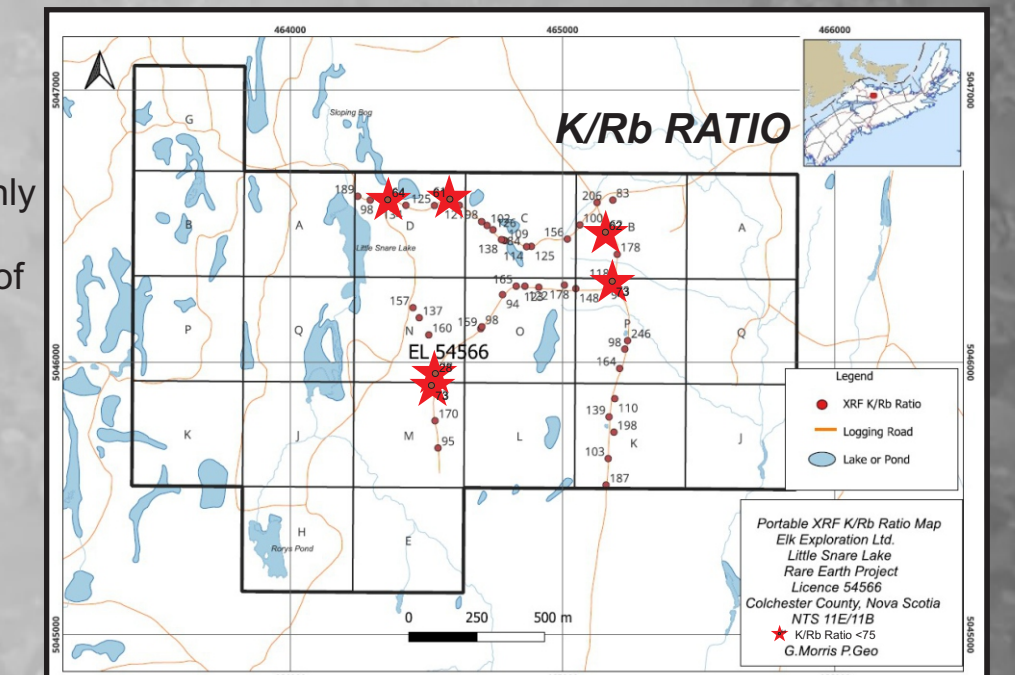
Zirconium is included in a group of critical minerals with close ties to REEs (Y, Nb, Hf, Ta) that are highly valued in the manufacture of computer components.

Lanthanum values reflect a total light REE number. Enrichment is coincident with other critical mineral element sites worthy of follow-up on the property.



A heavy REE, thorium incidence at Little Snare Lake occurs coincident with other sites needing follow-up.

Niobium is a high value critical mineral with the same ionic radius as tantalum. These, high value critical minerals occur in nature together.



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