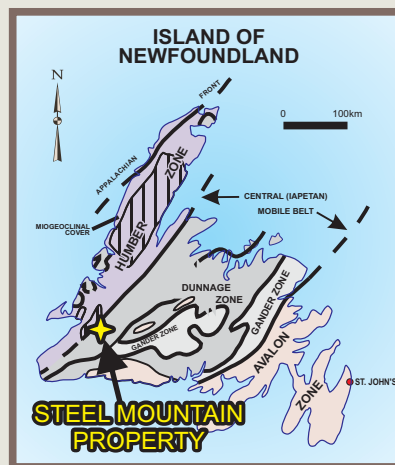


# NEWFOUNDLAND & LABRADOR

## Prospect · Discover · Develop



### Bear Hill Iron-Titanium-Vanadium-PGEs



Map 1. Property Location Map

The *Bear Hill Property* is located approx. 40 km east of Stephenville, Newfoundland (NTS 12B/08 and 12A/05) and is accessible from a system of logging roads off the Burgeo road.

#### Regional Geology

The property mostly lies within the Notre Dame Subzone (Dunnage Zone) of Newfoundland, close to the faulted contact with the Humber Zone. The southern part of the property is underlain by rocks of the Neoproterozoic to Early Ordovician Cormacks Lake Complex (Dunnage Zone).

#### Local Geology

The property is underlain to the east, by mafic to felsic plutonic rocks of the Ordovician Southwest Brook Complex (SWBC) (Dunnage Zone). The most common rock types are gabbro, diorite, quartz diorite, and granodiorite. The northern part of the property is underlain by gabbro of the late Ordovician to Early Silurian Main Gut Intrusion. Neoproterozoic to Early Ordovician gneisses of the Fleur-de-Lys Supergroup (Humber Zone) lie just west of the property. The southeastern portion of the property is underlain principally by strongly foliated, migmatitic sillimanite-garnet schist commonly interlayered with abundant gedrite-cordierite rock, minor meta-psammite and rare calc-silicate rocks of the Cormacks Lake Complex (CLC). The sequence in part has a felsic volcanic protolith (van Staal et al., 2005)

#### Previous Work and Mineralization

Virtually no previous work has been carried out on this area and there are no historic mineral occurrences recorded within or close to the property.

#### Highlights:

- New discoveries of Fe-Ti-V mineralization
- Grabs up to 56.8% Fe, 14% TiO<sub>2</sub>, 0.36% V, 215ppb Pt
- Coincident Mag high
- Regionally close to deposit scale Fe-Ti-V resource to the north

#### FOR MORE INFORMATION CONTACT:

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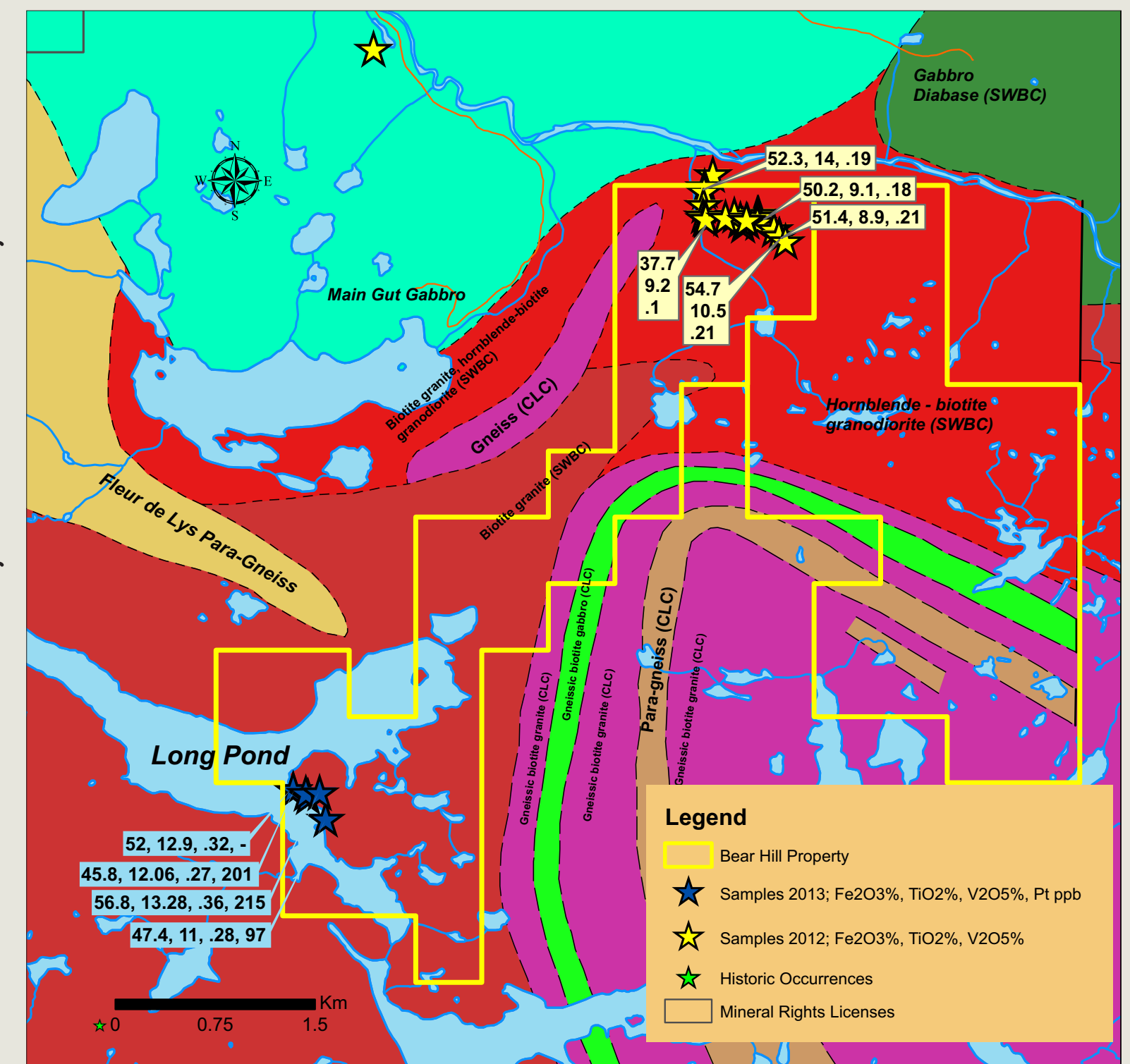
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Map 2. Geology and Claims

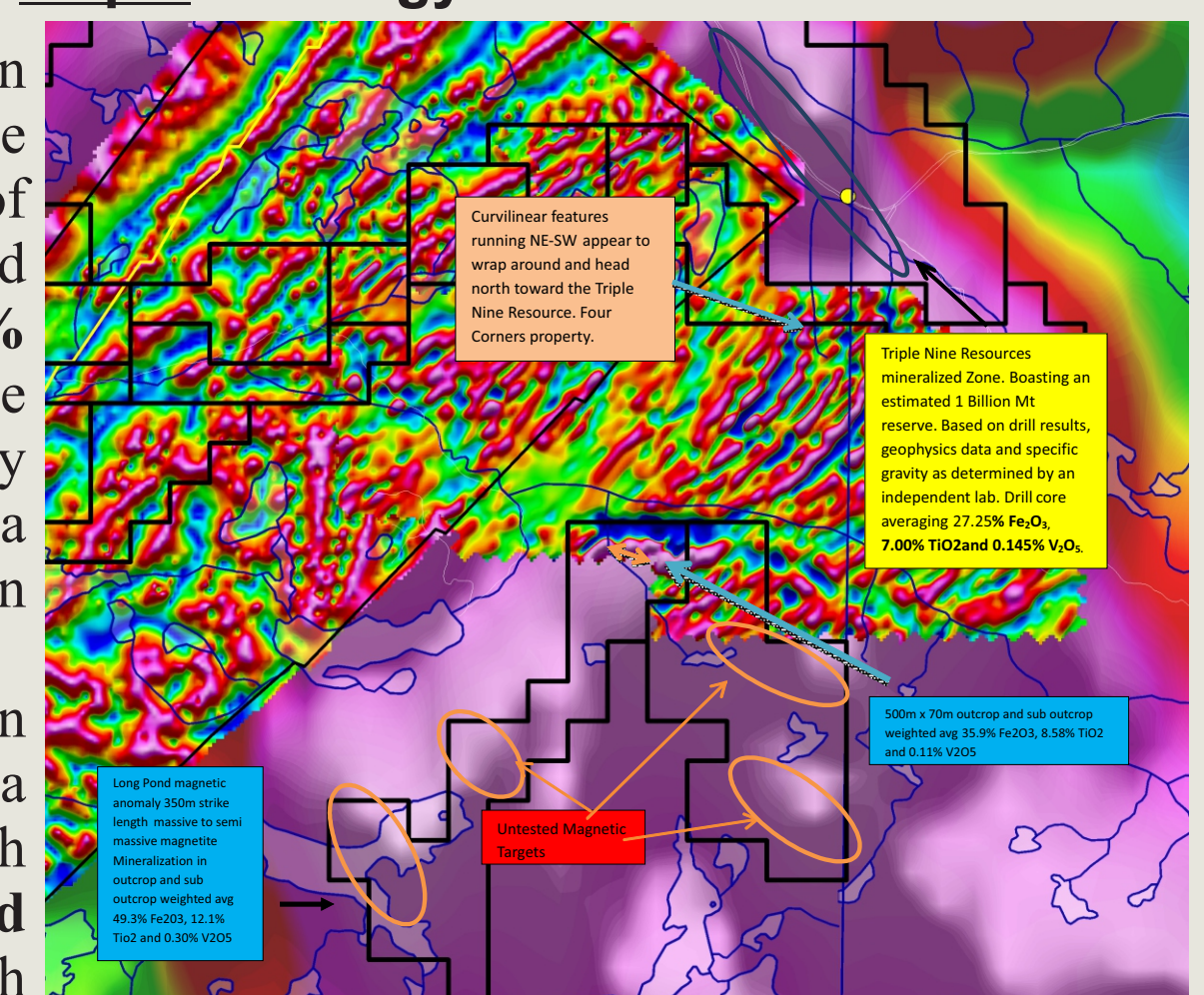


Figure 1: Detailed Magnetic Survey and regional Data over the Bear Hill V-Ti-Fe Property.

The present owners have discovered two new zones of iron-titanium-vanadium mineralization on the property (Map 2), the Bear Hill North Zone in the NE and the Long Pond Zone in the SW. The northeastern mineralization occurs mainly within the gabbro/diorite phase of the Southwest Brook Complex. Samples were taken over an area of approx 1 km where bedrock is well exposed as outcroppings and subcrops. **Grabs returned up to 52.3% Fe, 14% TiO<sub>2</sub> and 0.21% V.** The mineralization is similar to that discovered by Triple Nine Resources 4 or 5 km to the north (Figure 1) and which has recently been optioned to Delrey Metals. The mineralization coincides with a very strong mag anomaly (Figure 1). All of these mag highs on Figure 1 are believed to be associated with titaniferous magnetite.

Plate 1 illustrates the well developed igneous layering present in exposures of the Long Pond Showing. Samples were taken from a 360 m surface exposure of outcrop and sub outcrop near the south end of Long Pond and assays are shown on Map 2. **Grabs returned up to 56.8% Fe, 13.3% TiO<sub>2</sub>, 0.36% V and 215 ppb Pt.** The high grade assays are coincident with the magnetic anomaly identified by the regional magnetic surveys. The regional aeromagnetic data are from Geological Survey of Canada surveys, taken from the 1950s to the 1970s. Overlaid on the regional data are images showing detailed magnetic data from recent airborne surveys

This property has excellent potential given the ease of access, burgeoning demand for this metal and anomalous levels of Vanadium.