TITMARSH LAKE

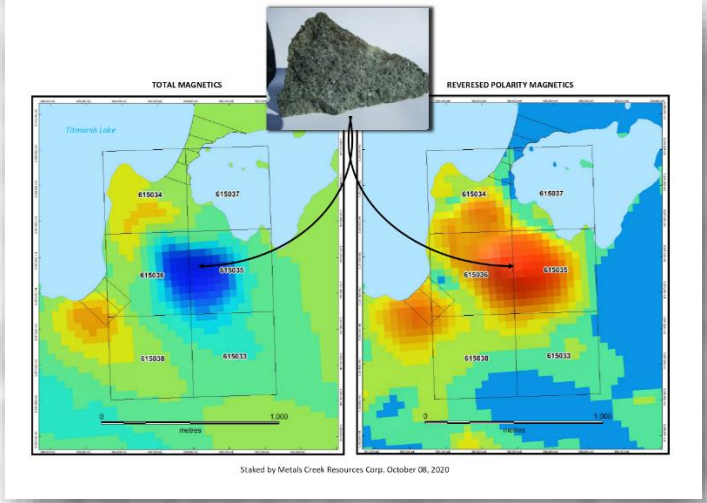
PROTEROZOIC MID CONTINENT RIFT INTRUSION

The Titmarsh property consists of 6 mining claims covering a reversely polarized magnetic anonamly located immediately east of Titmarsh Lake and the south shore of Hashie Lake within the Titmarsh Lake Area of the Thunder Bay Mining District

Metals Creek (MEK) put boots to the ground in 2022 to investigate the anomaly and discovered an intrusion of mafic/ultramafic affinity within a sea of granite and granite gneisses. The intrusion is approximately 420m x 380m in surface expression, although no intrusion contacts or alteration halos were observed in the field. It's very likely the intrusion is slightly ovoid with its long axis oriented in a northwest fashion, akin to the regional fabric and orientation of regional structures. Mapping of the intrusion shows the magnetic low signature to be directly related to the intrusion.

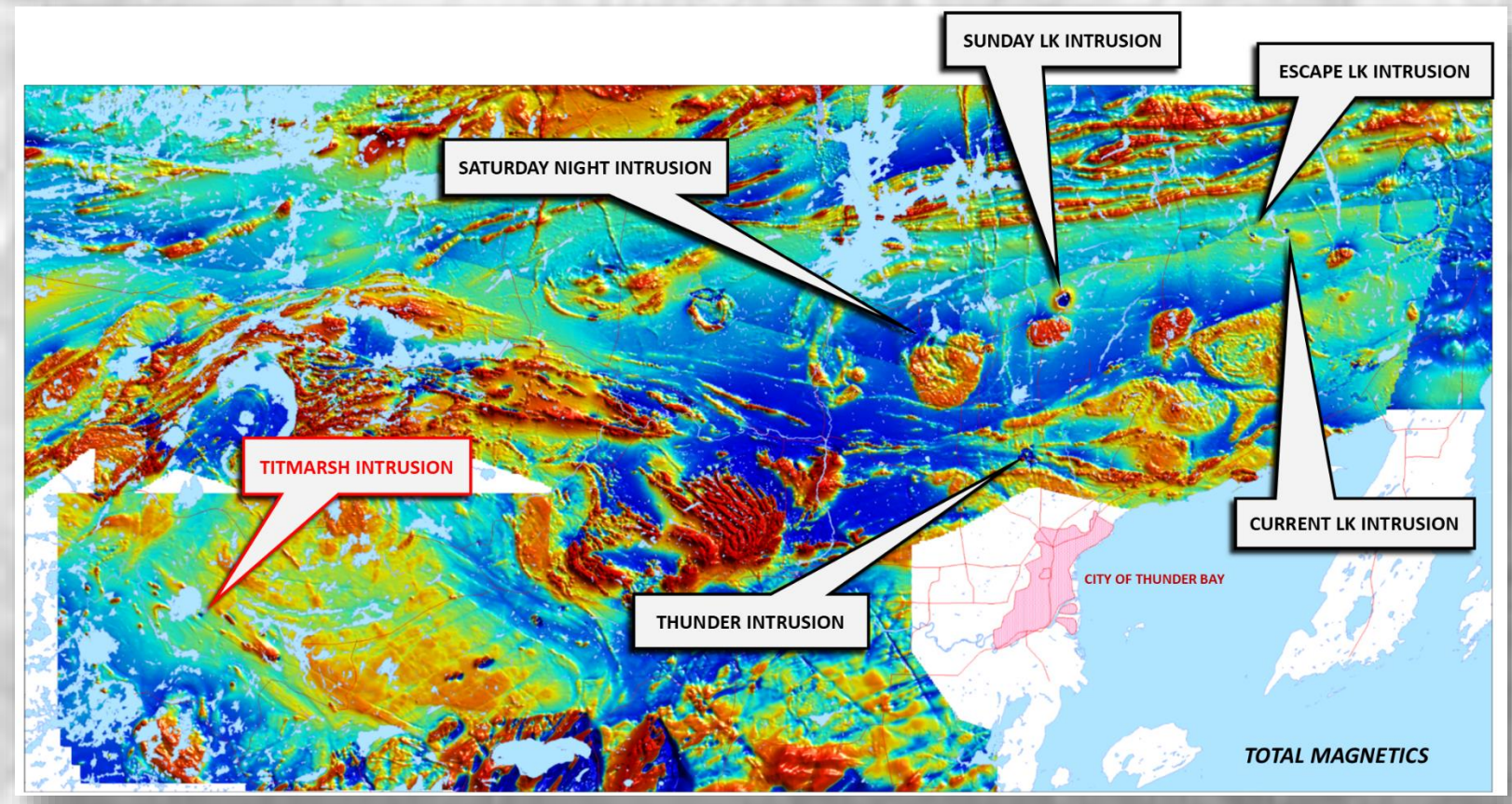
The mafic/ultramafic body consists mainly of a medium-grained, massive pyroxenite with a deep green colouration, +/- olivine and no deformation. Grain size is fairly equigranular and the rocks are rather homogenous with local areas of slight fining in grain size. A slight increase in plagioclase locally results in melanogabbro that might represent differential layering with narrow surface expressions.

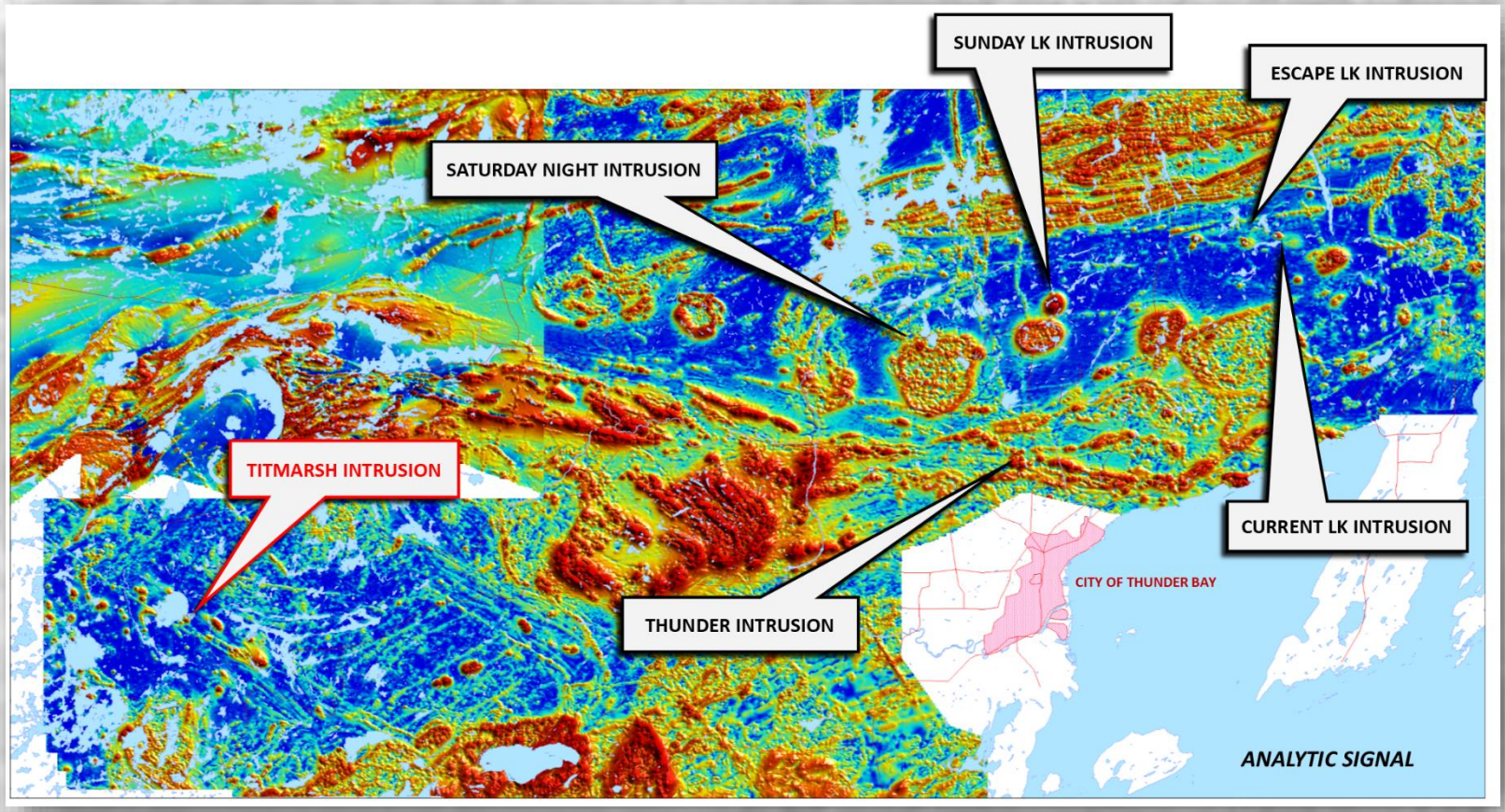
No sulphide mineralization of any kind was observed in the surface outcrops. Observed closer to Hashie Lake are outcrops with a weathered surface that resembles an 'elephant skin' texture.

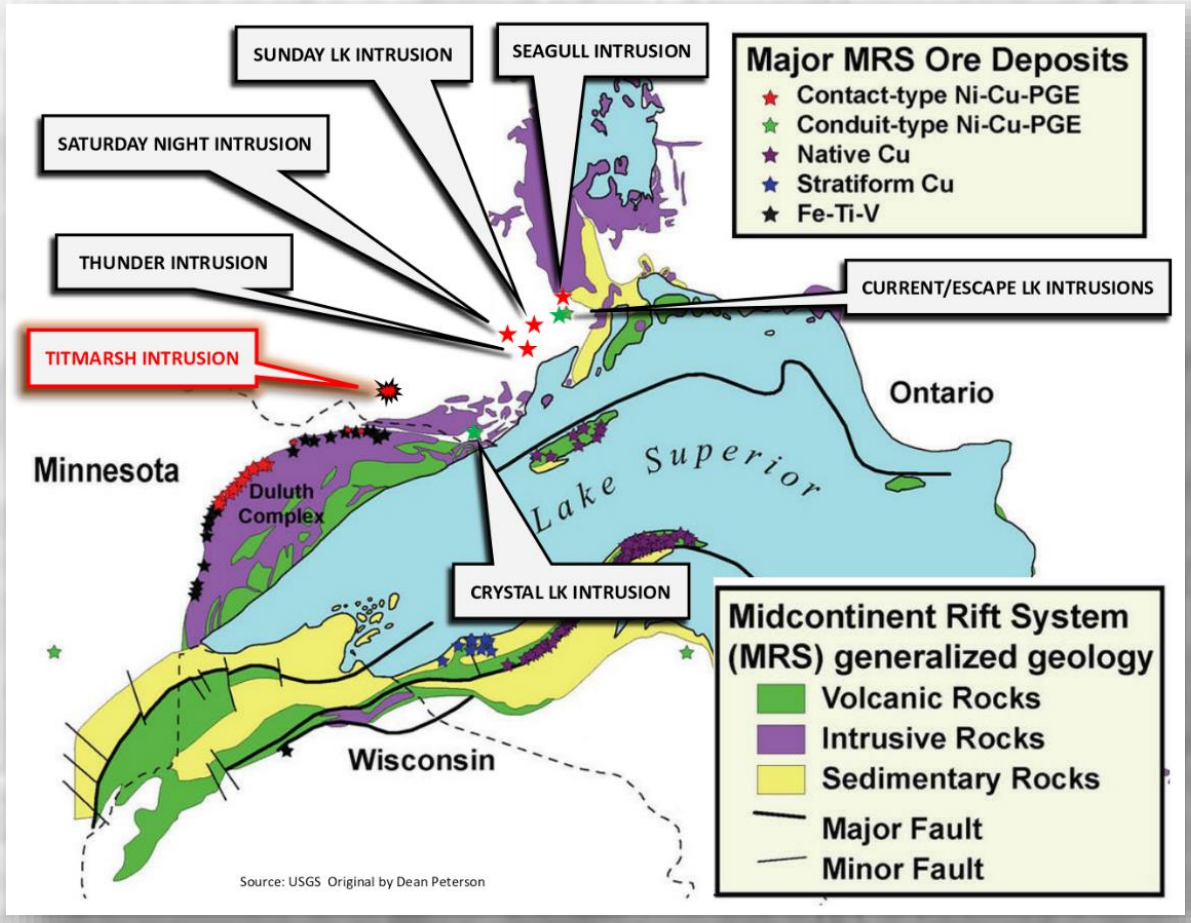


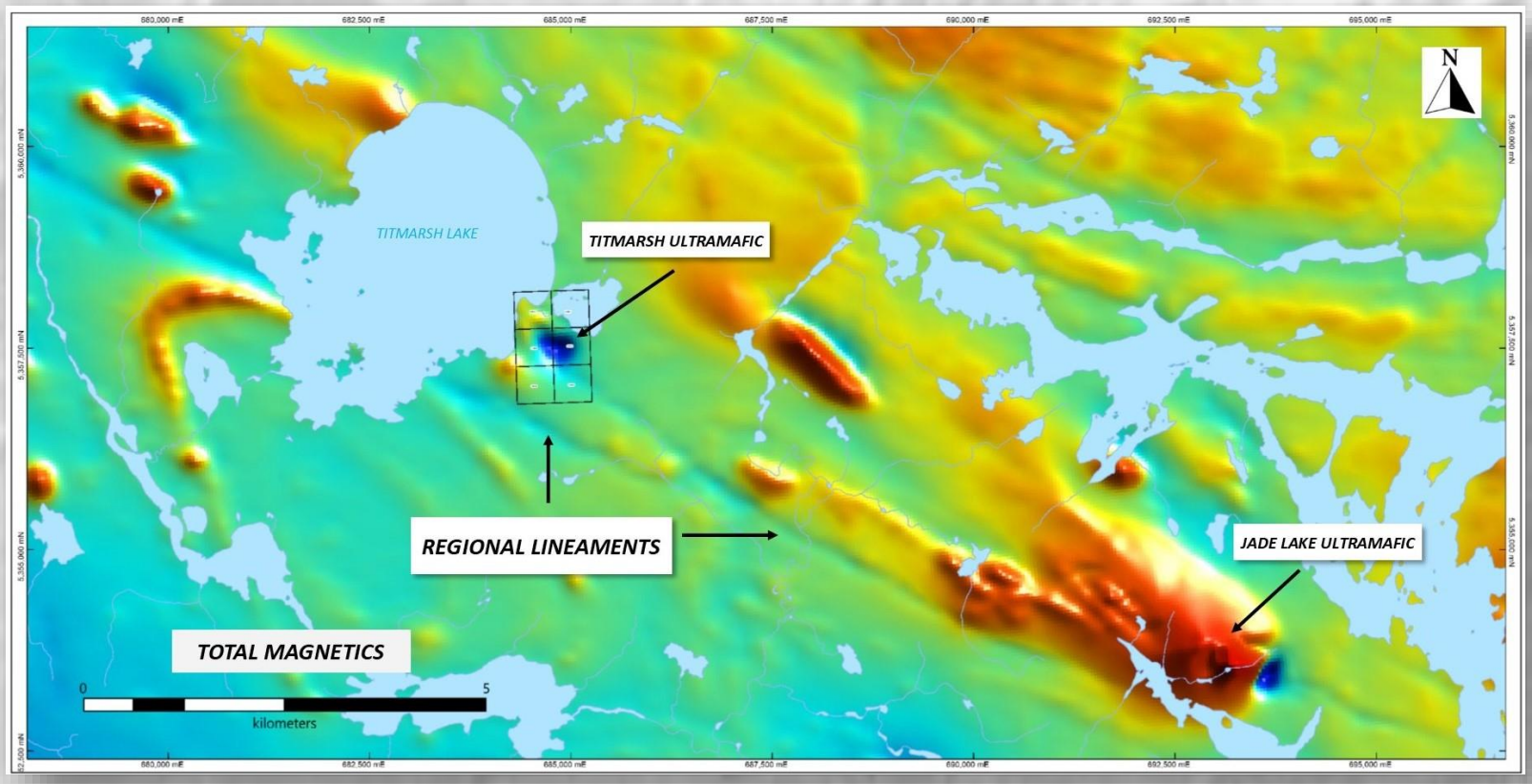
KEY HIGHLIGHTS

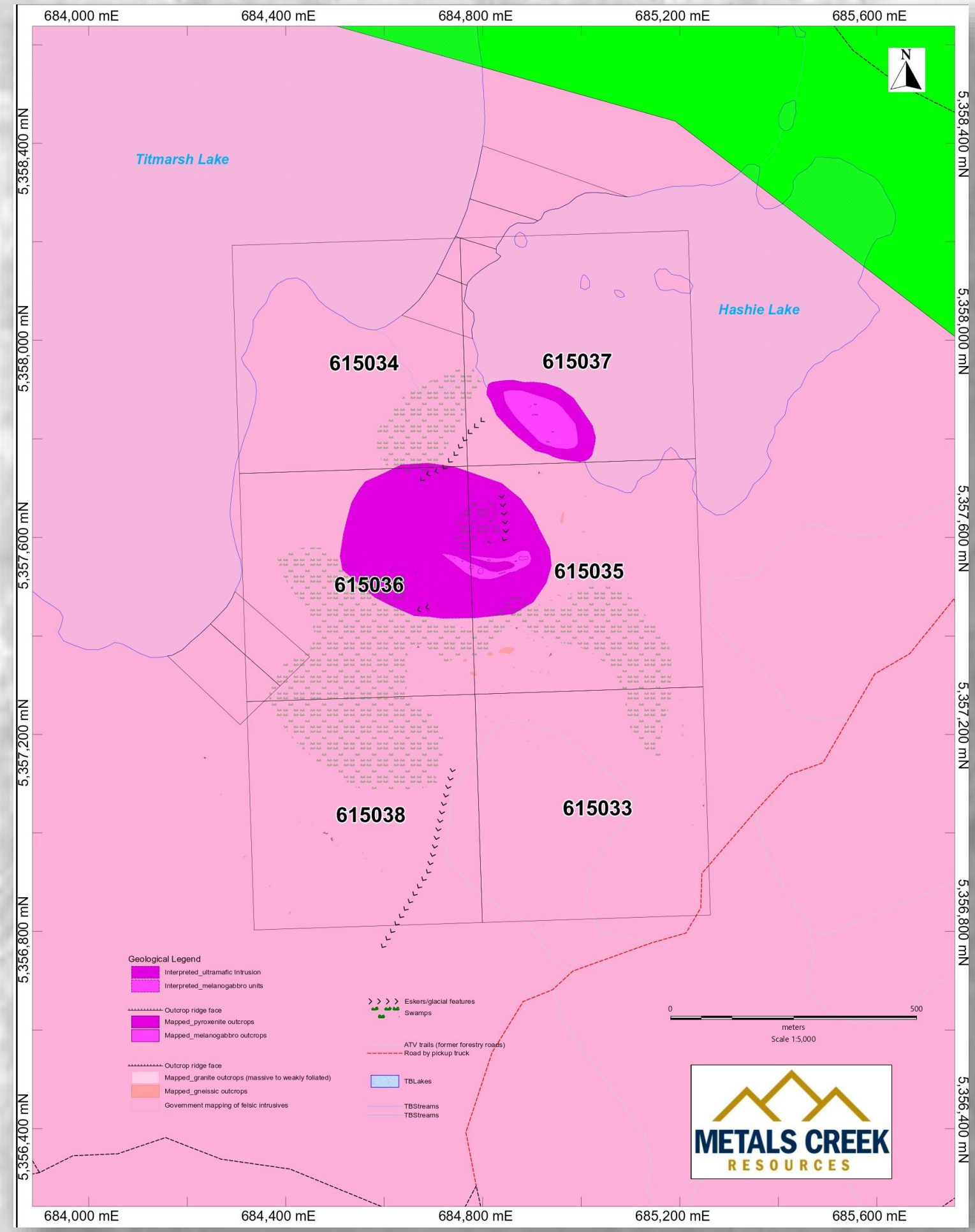
- In the Thunder Bay region, known to host mineralized Proterozoic intrusions (Current/Escape Lakes, Sunday Lake, Thunder Intrusion, Crystal Lake Gabbro and Duluth Complex)
- Reversed polarity showing the right age like many of the said intrusion noted above
- Lies on deep, large scale lineaments
- Preliminary geochemistry similar to MCR intrusions (elevated Cr, Gd/Yb and depleted Al_2O_3) in particular the ultramafic portion of the Thunder Intrusion
- Has never seen exploration


SUNDAY LK INTRUSION
ESCAPE LK INTRUSION
SATURDAY NIGHT INTRUSION
TITMARSH INTRUSION
CURRENT LK INTRUSION
CITY OF THUNDER BAY
THUNDER INTRUSION
TOTAL MAGNETICS


SUNDAY LK INTRUSION
ESCAPE LK INTRUSION
SATURDAY NIGHT INTRUSION
TITMARSH INTRUSION
CURRENT LK INTRUSION
CITY OF THUNDER BAY
THUNDER INTRUSION
ANALYTIC SIGNAL


SUNDAY LK INTRUSION
SEAGULL INTRUSION
SATURDAY NIGHT INTRUSION
THUNDER INTRUSION
TITMARSH INTRUSION
CURRENT/ESCAPE LK INTRUSIONS
CRYSTAL LK INTRUSION
Major MRS Ore Deposits
Contact-type Ni-Cu-PGE
Conduit-type Ni-Cu-PGE
Native Cu
Stratiform Cu
Fe-Ti-V
Ontario
Minnesota
Duluth Complex
Lake Superior
Wisconsin
Midcontinent Rift System (MRS) generalized geology
Volcanic Rocks
Intrusive Rocks
Sedimentary Rocks
Major Fault
Minor Fault
Source: USGS Original by Dean Peterson


TITMARSH LAKE
TITMARSH ULTRAMAFIC
REGIONAL LINEAMENTS
JADE LAKE ULTRAMAFIC
TOTAL MAGNETICS
N
0
5
kilometers


684,000 mE
684,400 mE
684,800 mE
685,200 mE
685,600 mE
5,358,400 mN
5,358,000 mN
5,357,600 mN
5,357,200 mN
5,356,800 mN
5,356,400 mN
N
Titmarsh Lake
Hashie Lake
615034
615037
615036
615035
615038
615033
Geological Legend
Interpreted_ultramafic intrusion
Interpreted_melanogabbro units
Outcrop ridge face
Mapped_pyroxenite outcrops
Mapped_melanogabbro outcrops
Outcrop ridge face
Mapped_granite outcrops (massive to weakly foliated)
Mapped_gneissic outcrops
Government mapping of felsic intrusives
Eskers/glacial features
Swamps
ATV trails (former forestry roads)
Road by pickup truck
TBLakes
TBStreams
TBStreams
0
500
meters
Scale 1:5,000
METALS CREEK
RESOURCES