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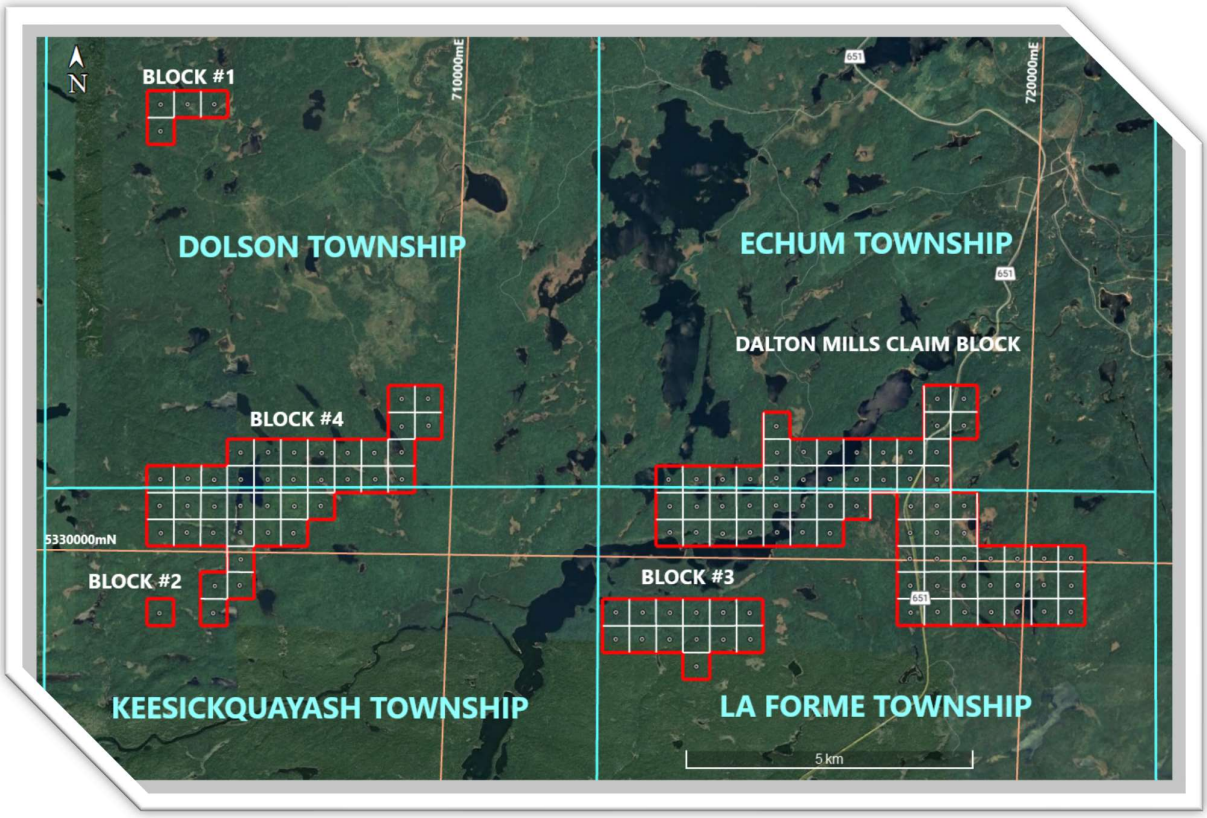
Assessment Report on Exploration at the Dalton Mills Claims and Claim Blocks #1 to #4, Dolson, Keesickquayash, Echum and Laforme Townships, Ontario

UTM 16U 712545mE 5331947mN 425m asl

Report Prepared for

12551110 Canada Inc.



Report Prepared By:

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Bradford, ON
L3Z-2Y9

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RA Project Number DMAR2202

Effective Date: 16 February 2022
Signature Date: 16 February 2022

Author(s):

_____
John M. Ryder P.Geo. (ON # 2105)

Notice/Avis

This Assessment Report was prepared for 12551110 Canada Inc. by Ryder & Associates, Bradford, ON, Canada. Estimates, information, conclusions, and recommendations are consistent with the information received from outside sources, information generated as a result of works overseen by the author, and the assumptions and conditions specified in this Assessment Report.

This Assessment Report is intended for 12551110 Canada Inc. as part of a scope of work agreed with 12551110 Canada Inc. under relevant securities legislation. Except for uses defined under the Ontario Mining Act as well as under the Business Corporations Acts of Provinces in which 12551110 Canada Inc. is a non reporting issuer, all other uses are at the sole risk of the reader.

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Frontispiece: 12551110 Canada Inc. Claims, Dalton Area - Unpatented Claim Blocks

1.0 Summary

1.1 Scope of Work and Location

This report was prepared by Ryder & Associates ("RA") at the request of Mr. Jim Steel, CEO of 12551110 Canada Inc. ("12551110") an Ontario based, privately held company that does not have Reporting Issuer status. The purpose of this report is to satisfy assessment requirements for five claim blocks totalling 121 claims as described under Section 65 (1) of the *Mining Act* and Ontario Regulation 65/18.

The five Dalton area claim blocks (the Properties) are located in northern Ontario, approximately 175 km directly north of the city of Sault Ste. Marie and 70 km directly north east of the town of Wawa, in the Dolson, Keesickquayash, Echum and Laforme Townships on the 1:250,000 NTS sheet 042C.

Figure 1.1 Location Map

1.2 Tenure and Encumbrances

The five Claim Blocks (#1 to #4) and Dalton Mills Block total 121 mining claims for combined 2,650.71 hectares. Required works totals $48,400.00.

As of the date of this report there are no encumbrances on the claims in question, save the requirement to file annual assessment.

1.3 History

Initial recorded exploration occurred in 1935 followed in the 1950's by drilling electromagnetic (EM) and magnetic anomalies for iron and base metals. Massive sulphides (pyrite & pyrrhotite) plus trace base metals were reported from a number of drill holes north of claim Block #4 and south east of Block #1.

In the mid-1990's and early 2000's extensive diamond exploration programmes of airborne/ground geophysics, till sampling for indicator minerals, rock sampling and drilling were conducted by Canabrava, Kennecott and Chalice Diamonds Canada in their search for kimberlites. A number of kimberlite dykes were discovered (Appendix V).

1.4 Geology & Mineralization

The properties are underlain by Archean rocks of the Wawa subprovince, of the Superior Province. Blocks #1, #2 and #4 are underlain by rocks of the140 km long and 45 km. wide Archean Michipicoten Greenstone Belt (MGB). Block #3 and the Dalton Mills Claim group are located between the Michipicoten Greenstone Belt on the west and the western margin of the Kapuskasing Structural Zone to the east. They are underlain by gneissic tonalite suite of rocks of the Wawa gneiss domain.

The Goudreau Gold Camp including the Island Lake and Magino gold mines is approximately 20-30 kilometres to the north west of the Dalton area claims while the former Renabie Mine is located 35 kilometres to the north east. A number of kimberlite dykes and gold occurrences are located between 5 and 8 kilometres north of the Dalton Mills Claim Block.

1.5 Exploration

Long Wave InfraRed (LWIR) spectral surveying and data interpretation conducted in September and October 2021 utilizing proprietary algorithms to build a digital signal model of the spectral reflectance and emissivity emanating from the rocks at the Dalton claim area after water, vegetation, clouds, and cloud shadow had been removed by Aster Funds Ltd. of Toronto.

Long wave infrared spectra were categorized by minerals and target vector minerals (TVM's) identified for gold deposits in the survey area to define target areas for gold. In addition, Quadratic/Linear Determinant Function Classifiers (QDFC & LDFC) were constructed to produce gold predictor/fingerprint maps of the claim blocks.

A number of visits were made where access permitted and rock samples were collected in June 2020 and September 2020. A rock sample from a faulted mafic dyke/gneiss contact returned 4.5 g/t gold.

All data locations reported in UTM NAD 83 or WGH 84 lat/long.

1.7 Conclusions

The Long Wave Infrared remote sensing survey identified abundance areas of monticellite, orthoclase, talc, pyrrhotite, epidote, beryl, kaolinite, cerussite, breccia, feldspar, alunite, augite, cordierite, and goethite on the Dalton claim area. Target vector mineral analysis for gold outlined target areas of preferential exploration based on mineral distribution overlap.

Quadratic and Linear Determinant Function Classifiers were established for different gold deposits/prospects/occurrences in the region, with exploration gold anomalies being found on the majority of the claim blocks.

2.0 Introduction

2.1 Introduction and Terms of Reference

The following is a summary of the interpretation of (remote sensing) Long Wave Infrared data by Aster Funds Ltd on the Dalton Claim Blocks. In addition, a proprietary analysis products called the Quadratic and/or Linear Determinant Classifiers Function (an n-dimensional quadratic regression) was used to determine areal extent and intensity of exploration anomalies in gold.

2.2 Site Visits

Site visits were made by Mr. Jim Steel P. Geo in June 2020 and the author, Mr. Fred Archibald P. Geo and Mr. Jim Steel P. Geo between September 24th to September 27th 2020. J. Ryder P. Geo and Jim Steel P. Geo between July 31st and August 2nd 2021 plus the author, Mr. Fred Archibald P. Geo and Mr. Jim Steel P. Geo on a one-day prospecting trip on October 31st 2021 to follow up satellite spectral targets. Twelve professional man days in total for the period plus eight travel days.

2.3 Sources of Information

This Report is based, in part, on internal company technical reports, and maps, published government reports and public information. Several sections from assessment and technical reports authored by other geoscientists have been directly quoted or summarized in this Report, and are so indicated where appropriate.

2.4 Disclaimer

This technical report represents the professional opinions of Ryder & Associates as to the interpretations to be made and conclusions drawn in light of information made available to, inspections performed by, and assumptions made by the author using his professional judgment and reasonable care. This document has been prepared based on a scope of work agreed with 12551110 Canada Inc. and is subject to inherent limitations in light of the scope of work, the methodology, procedures, and sampling techniques used. This document is meant to be read as a whole, and portions thereof should not be read or relied upon unless in the context of the whole.

The opinions expressed herein are based on data and information supplied by, or gathered from 12551110 Canada Inc., from regulatory filings of other companies, and from Government of Ontario geoscientific and related data. This document is written for the sole and exclusive benefit of 12551110 Canada Inc. Any other person or entity choosing to rely on this document does so at his/her own risk and the author disclaims all liability to any such person or entity.

Information on tenure was obtained from 12551110 Canada Inc. and the Ontario government MLAS website.

Any statements and opinions expressed in this document are given in good faith and in the belief that such statements and opinions are not false and misleading at the date of this Report.

3.0 Properties Description

3.1 Project Location

The Dalton Claim Blocks (the Properties) are located in northern Ontario, approximately 175 km directly north of the city of Sault Ste. Marie and 70 km directly north east of the town of Wawa, in the Dolson, Keesickquayash, Echum and Laforme Townships on the 1:250,000 NTS sheet 042C and 1:50,000 NT sheet 042C/01.

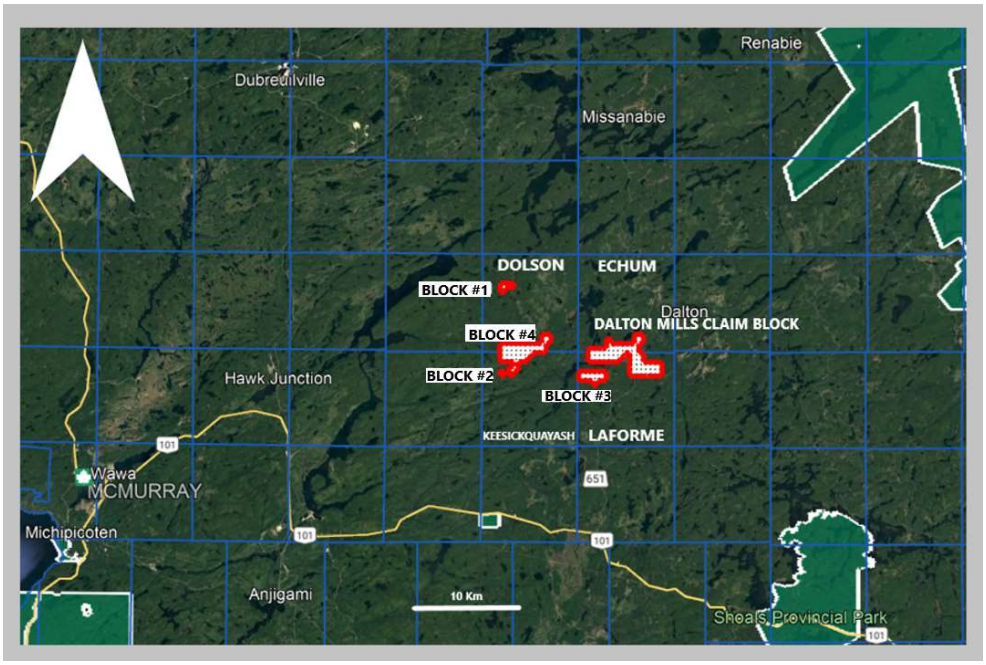

Figure 3.1 Claim Groups Location Map

The centre of the claim group is located at 48°06'18.68"N, 84°08'41.70"W or UTM 16 U 712545m E, 5331947 m N at the corner of four Townships. All data locations reported in UTM NAD 83 or WGH 84 lat/long.

3.2 Tenure

The Dalton claim area is comprised of five separate claim blocks comprising one hundred and twenty-four claims and totalling 2,716.17 hectares (Figure 3.1). The Dalton Mills and the four other claim blocks are described in the following figures and tables.

BLOCK #1							
Claim Number	Cell ID	Claim Holder	Claim Type	Registration Date	Anniversary Date	Work Required $	Reserve $
579235	42C01G001	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
579236	42C01G002	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
579237	42C01G003	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
579301	42C01G021	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
4		**12551110 Canada Inc.**	**SCMC**	**2020-02-21**	**2023-02-21**	**$1,600.00**	**0.00**

Table 1: Block #1 Claim Data

Figure 3.2 Block #1 Claims

BLOCK #2							
Claim Number	Cell ID	Claim Holder	Claim Type	Registration Date	Anniversary Date	Work Required $	Reserve $
579297	42C01G381	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
1		**12551110 Canada Inc.**	**SCMC**	**2020-02-21**	**2023-02-21**	**$400.00**	**0.00**

Table 2: Block #2 Claim data

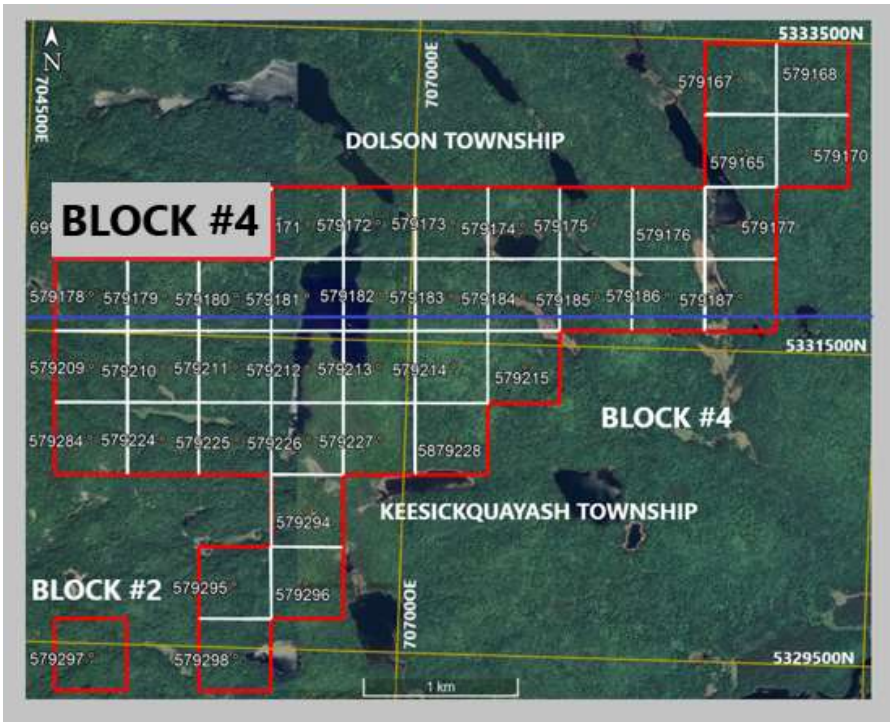

Figure 3.3: Block #2 and Block #4 Claims

BLOCK #4							
Claim Number	Cell ID	Claim Holder	Claim Type	Registration Date	Anniversary Date	Work Required $	Reserve $
579167	42C01G230	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579168	42C01G231	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579169	42C01G250	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579170	42C01G251	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579171	42C01G264	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579172	42C01G265	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579173	42C01G266	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579174	42C01G267	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579175	42C01G268	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579176	42C01G269	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579177	42C01G270	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579178	42C01G281	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579179	42C01G282	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579180	42C01G283	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579181	42C01G284	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579182	42C01G285	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579183	42C01G286	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579184	42C01G287	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579185	42C01G288	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579186	42C01G289	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579187	42C01G290	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579209	42C01G301	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579210	42C01G302	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579211	42C01G303	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579212	42C01G304	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579213	42C01G305	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579214	42C01G306	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579215	42C01G307	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579284	42C01G321	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579224	42C01G322	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579225	42C01G323	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579226	42C01G324	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579227	42C01G325	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579228	42C01G326	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579294	42C01G344	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579295	42C01G363	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579296	42C01G364	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
579298	42C01G383	12551110 Canada Inc.	SCMC	2020-02-21	2022-02-21	400.00	0.00
38		**12551110 Canada Inc.**	**SCMC**			**15,200.00**	**0.00**

Table 3: Block #4 Claim data

Figure 3.4 Block #3 Claims

BLOCK #3							
Claim Number	Cell ID	Claim Holder	Claim Type	Registration Date	Anniversary Date	Work Required $	Reserve $
579229	42C01H230	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
579230	42C01H231	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
579231	42C01H250	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
580879	42C01H251	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580880	42C01H244	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580881	42C01H264	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580882	42C01H265	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580883	42C01H266	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580884	42C01H267	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580885	42C01H268	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580886	42C01H269	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580887	42C01H270	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580888	42C01H270	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
13		**12551110 Canada Inc.**	**SCMC**			**$5,200.00**	**$0.00**

Table 4: Block #3 Claim data

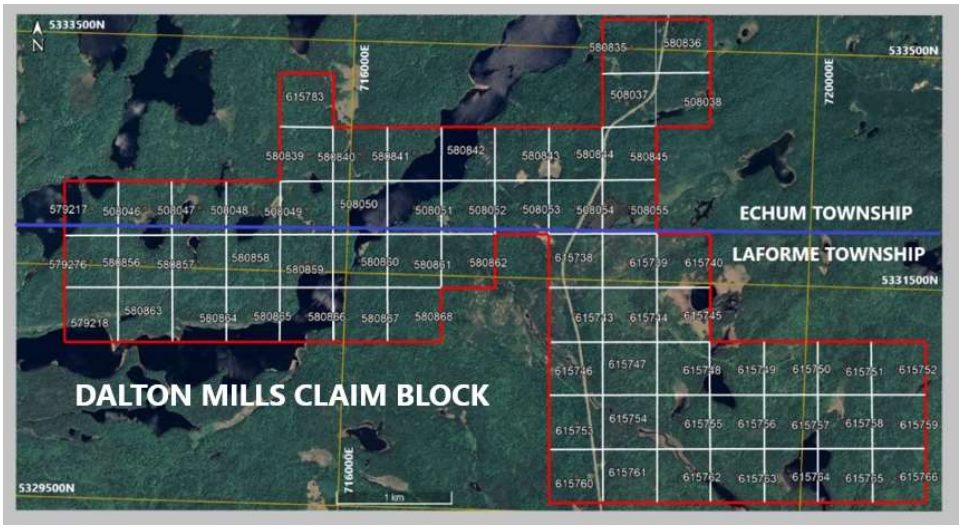

Figure 3.5: Dalton Mills Claims

DALTON MILLS CLAIM BLOCK							
Claim Number	Cell ID	Claim Holder	Claim Type	Registration Date	Anniversary Date	Work Required $	Reserve $
580835	42C01H230	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580836	42C01H231	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580837	42C01H250	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580838	42C01H251	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
615783	42C01H244	12551110 Canada Inc.	SCMC	2020-10-19	2023-03-05	400.00	0.00
580839	42C01H264	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580840	42C01H265	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580841	42C01H266	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580842	42C01H267	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580843	42C01H268	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580844	42C01H269	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580845	42C01H270	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
579217	42C01G300	12551110 Canada Inc.	SCMC	2020-02-21	2023-03-05	400.00	0.00
580846	42C01H281	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580847	42C01H282	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580848	42C01H283	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580849	42C01H284	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580850	42C01H285	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580851	42C01H286	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580852	42C01H287	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580853	42C01H288	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580854	42C01H289	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580855	42C01H290	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
579276	42C01G320	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
580856	42C01H301	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580857	42C01H302	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580858	42C01H303	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580859	42C01H304	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580860	42C01H305	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580861	42C01H306	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580862	42C01H307	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
579218	42C01G340	12551110 Canada Inc.	SCMC	2020-02-21	2023-02-21	400.00	0.00
580863	42C01H321	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580864	42C01H322	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580865	42C01H323	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580866	42C01H324	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580867	42C01H325	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
580868	42C01H326	12551110 Canada Inc.	SCMC	2020-03-05	2023-03-05	400.00	0.00
615738	42C01H309	12551110 Canada Inc.	SCMC	2020-10-19	2023-10-19	400.00	0.00
615739	42C01H310	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615740	42C01H311	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615743	42C01H329	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615744	42C01H330	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615745	42C01H331	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615746	42C01H349	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615747	42C01H350	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615748	42C01H351	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615749	42C01H352	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615750	42C01H353	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615751	42C01H354	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615752	42C01H355	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615753	42C01H369	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615754	42C01H370	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615755	42C01H371	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615756	42C01H372	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615757	42C01H373	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615758	42C01H374	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615759	42C01H375	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615760	42C01H389	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615761	42C01H390	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615762	42C01H391	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615763	42C01H392	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615764	42C01H393	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615765	42C01H394	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
615766	42C01H395	12551110 Canada Inc.	SCMC	2020-10-19	2022-10-19	400.00	0.00
65		**12551110 Canada Inc.**	**SCMC**			**$26,000.00**	**$0.00**

Table 5: Dalton Mills Claim data

As the map-designated claims have pre-established positions, a legal survey of them is not required and none of the staked claims have been surveyed.

Expenditures from the previous explorer on the claims before the acquisition of same by 12551110 Canada Inc., were not sufficient to offset all work requirement expenditure. However, work expenditures by 12551110 Canada Inc. in 2021 though, are sufficient for the one hundred and twenty-one claims.

3.4 Permits

There are no permits required for current exploration works on the Dalton claim area apart from First Nations consultation which has commenced.

3.4 Royalties and Taxes

There are no royalties payable on Long Lake production and only municipal taxes area to be paid.

3.5 Environmental Liabilities

There are no known defined environmental liabilities on the Long Lake Project.

4.0 Accessibility, Climate, Local Resources, Infrastructure, and Physiography

4.1 Accessibility

Main access to the claim block area is by Hwy 651 which runs through the centre of the Dalton Mills Claim block and access to blocks #1 & #4 is by logging roads west off the paved Highway 651. Access to Blocks#3 is by helicopter (Figure 4.1).

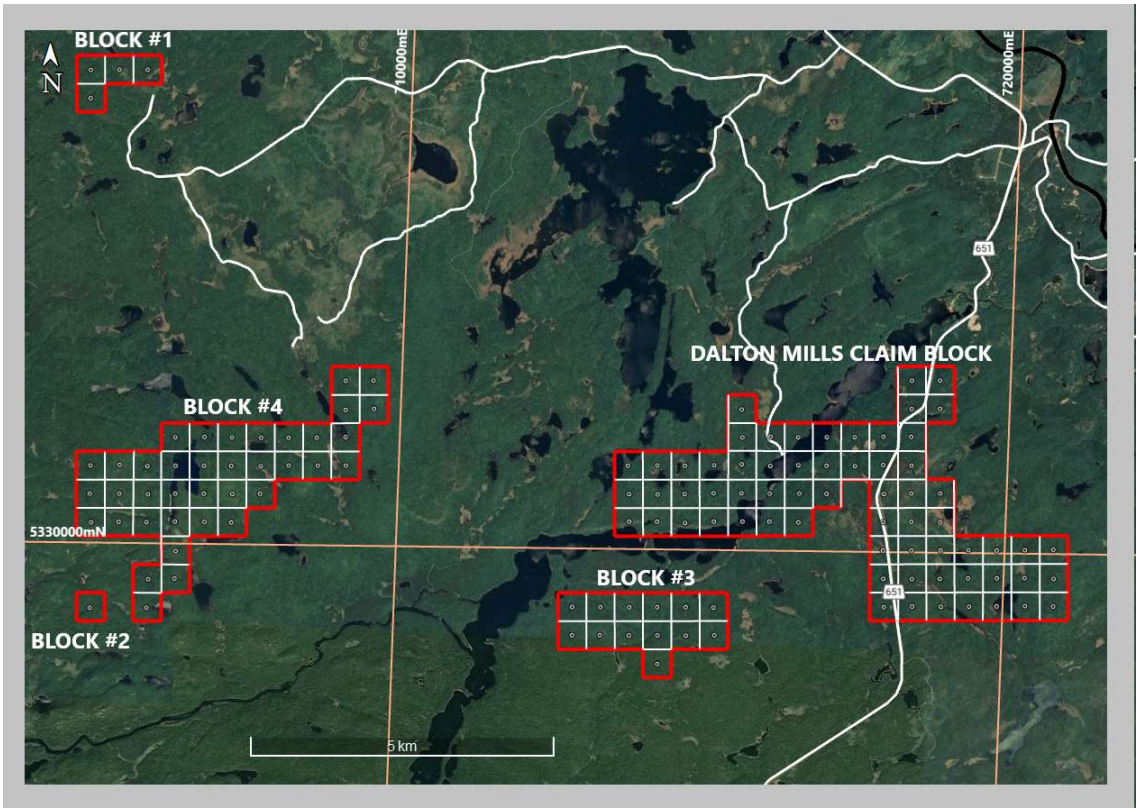

Figure 4.1: Claim Access - Logging Roads

4.2 Climate

The climate in the area is typical of northern Ontario. The summers are long, comfortable, and partly cloudy and the winters are frigid, snowy, and overcast. Over the course of the year, the temperature typically varies from -18 °C *to* 21 °C and is rarely below -29 °C or above 26 °C. Lakes are ice-free starting from late May to early June through until late-October. Snow alone is most common from November 20 *to* March 25

4.3 Local Resources

A full variety of services, including fuel, stores, hospital, policing, various mining contractors, an airport, and a helicopter base are available in the town of Wawa.

4.4 Infrastructure

There is presently no infrastructure on the Properties. Abundant water supply is available from nearby lakes.

4.5 Physiography

Elevation difference in the claim blocks averages 50 metres. All the claim blocks except Block #3 are essentially bedrock covered by a discontinuous thin layer of till deposited during the Late Wisconsinan by the Labrador sector of the Laurentide Ice Sheet. Block #3 is covered by glaciofluvial ice-contact deposits of gravel and sand, minor till, includes esker, kame, end moraine, ice-marginal delta and subaqueous fan deposits (Figure 4.2).

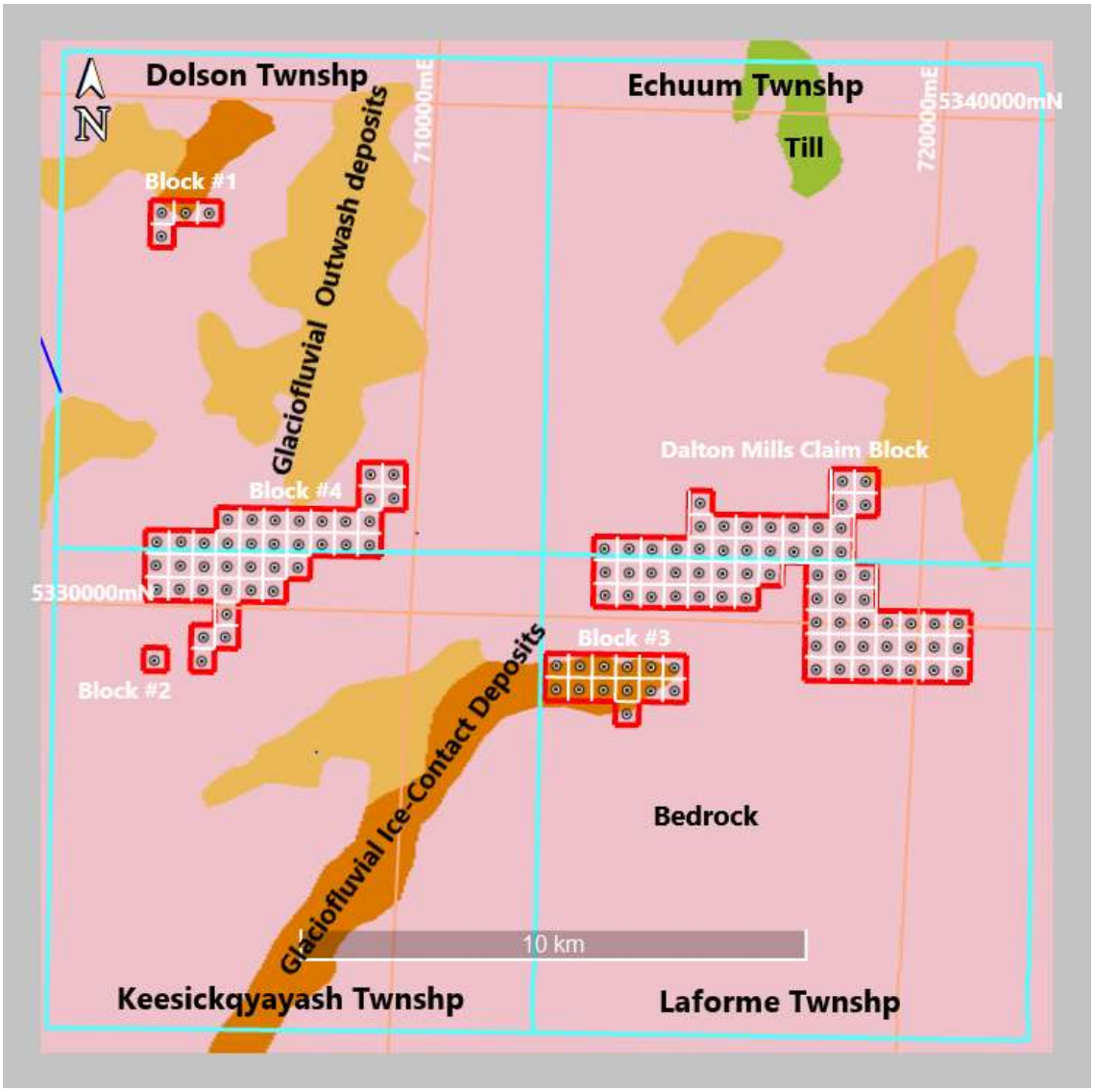

Figure 4.2 Quaternary Geology Map (Morris 2001)

Vegetation is a mixture of conifer and mature birch plus poplar deciduous hardwood forest.

5.0 History

The Dalton Claim Blocks are located in four townships and a detailed list of exploration work downloaded from OGS Earth for each of the townships is to be found in Appendix V. The most relevant work history is described below. Previous work carried out on the Dalton Claim Blocks was restricted to diamond exploration by Canabrava and Chalice Diamond Corp. apart from numerous airborne geophysical surveys.

MacFie Exploration Limited in 1955, drilled five holes totalling 280.6m, within the metavolcanic rocks in the south-central part of Dolson Township. The best intersection resulted in 0.07% Cu and 0.03% Ni over 2m (Figure 5.1).

Hopkins Exploration Consultants for Frobisher Ltd., in 1955, conducted airborne magnetometer and electromagnetic surveys by Aeromagnetic Surveys Limited in Dolson Township covering part of the claim blocks. A subsequent ground EM survey was done in 1956. Seven holes totalling 914m were diamond drilled in 1956. A further seven holes totalling 332.1m was drilled in 1957 where Iron Formation were the main conductors intersected including massive pyrite & pyrrhotite and minor chalcopyrite.

Belmine Exploration Limited in 1956, conducted a "Lada" resistivity survey and diamond drilling of two holes located in Dolson Township. The major conductors defined were identified as a zone containing magnetite ironstone and disseminated pyrrhotite.

Multi Minerals Limited in 1966 drilled four holes totalling 81.7m in the same area as MacFie Exploration Limited but nothing of economic importance was reported.

Mapping was conducted in 1974 by Algoma Central Railway.

In 1983 Tundra Gold Mines conducted electromagnetic, magnetic and VLF airborne surveys over their claims in western quadrant of Echum Township and covered one western claim of the Dalton Mills Block.

International Corona in 1984 undertook a major airborne geophysical survey over numerous townships in the Wawa region that covered the Dalton claim blocks.

From 1997 to 1999 Canabrava Diamonds commenced an extensive till sampling programme (1,092 samples) and airborne geophysical survey in the Wawa area incorporating the current Dalton claim blocks.

Kennecott Canada Inc. in 2000 completed airborne electromagnetic, magnetic, ground magnetic surveys over the area including the current Dalton claim blocks. One drill hole was drilled south of Block #3.

From 2005 to 2009 Golden Chalice Resources Inc. and Chalice Diamonds conducted extensive till and bedrock sampling in the area with over 50 till samples taken in the area of the current Dalton Claim Blocks. Numerous geophysical surveys magnetic, electro magnetic and VLF, airborne and ground were carried out in different areas during this period. A number of the surveys covered the current claim blocks. Beneficiation studies were conducted on samples from kimberlite dykes discovered (Figure 5.1).

Since 2009 no exploration work has been conducted on or over the Dalton claim blocks area apart from the work in 2020-2021 reported on in this assessment report.

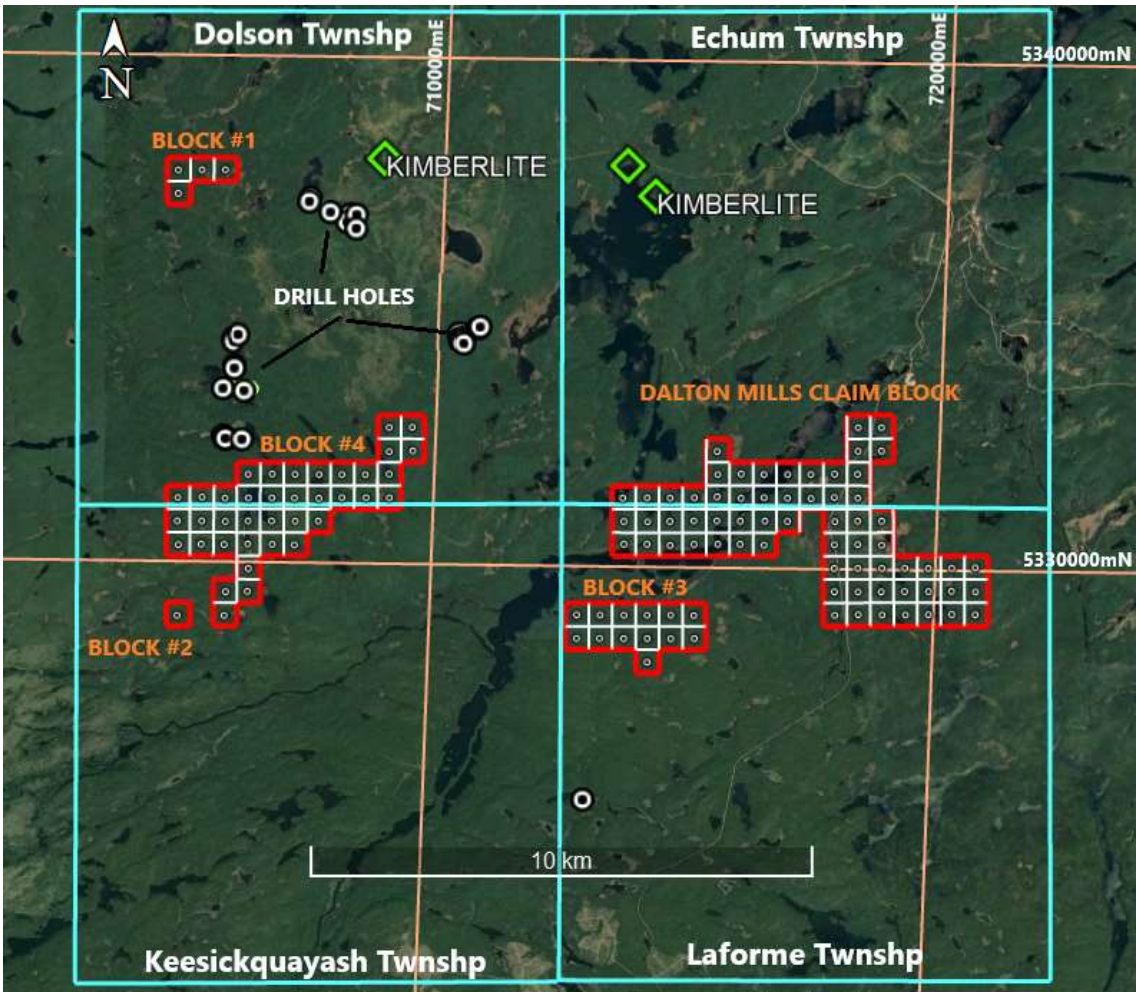

Figure 5.1: Drilling & Kimberlite Dykes

Hopkins Exploration Consultants drill holes in 1956 and 1957 located directly north of Block #4 and east of Block #1 intersected bands of massive sulphides (pyrite & pyrrhotite) and a 10m thick iron formation intersected. Only trace base metals reported from the drilling.

Kimberlite dykes were discovered by Canabrava in the area in 1990's.

6.0 Geological Setting and Mineralization

6.1 Regional & Local Geology

Data in this section is largely from Percival & Easton (2007); Easton (2000); Masun & Chamois (2020); Morris (2001)

The Properties are located in the Superior Province of Northern Ontario. The Superior Province makes up approximately 70 percent of the Canadian Shield in Ontario and forms the core of the North American continent, surrounded by provinces of Paleoproterozoic age on the west, north and east, and Mesoproterozoic age (Grenville Province) on the southeast (Figures 6.1). Tectonic stability has prevailed since circa 2.5 Ga in large parts of the Superior Province. Proterozoic and younger activity is limited to rifting of the margins, emplacement of several mafic dyke swarms, compressional reactivation and large-scale rotation at circa 1.9 Ga, as well as failed rifting at circa 1.1 Ga

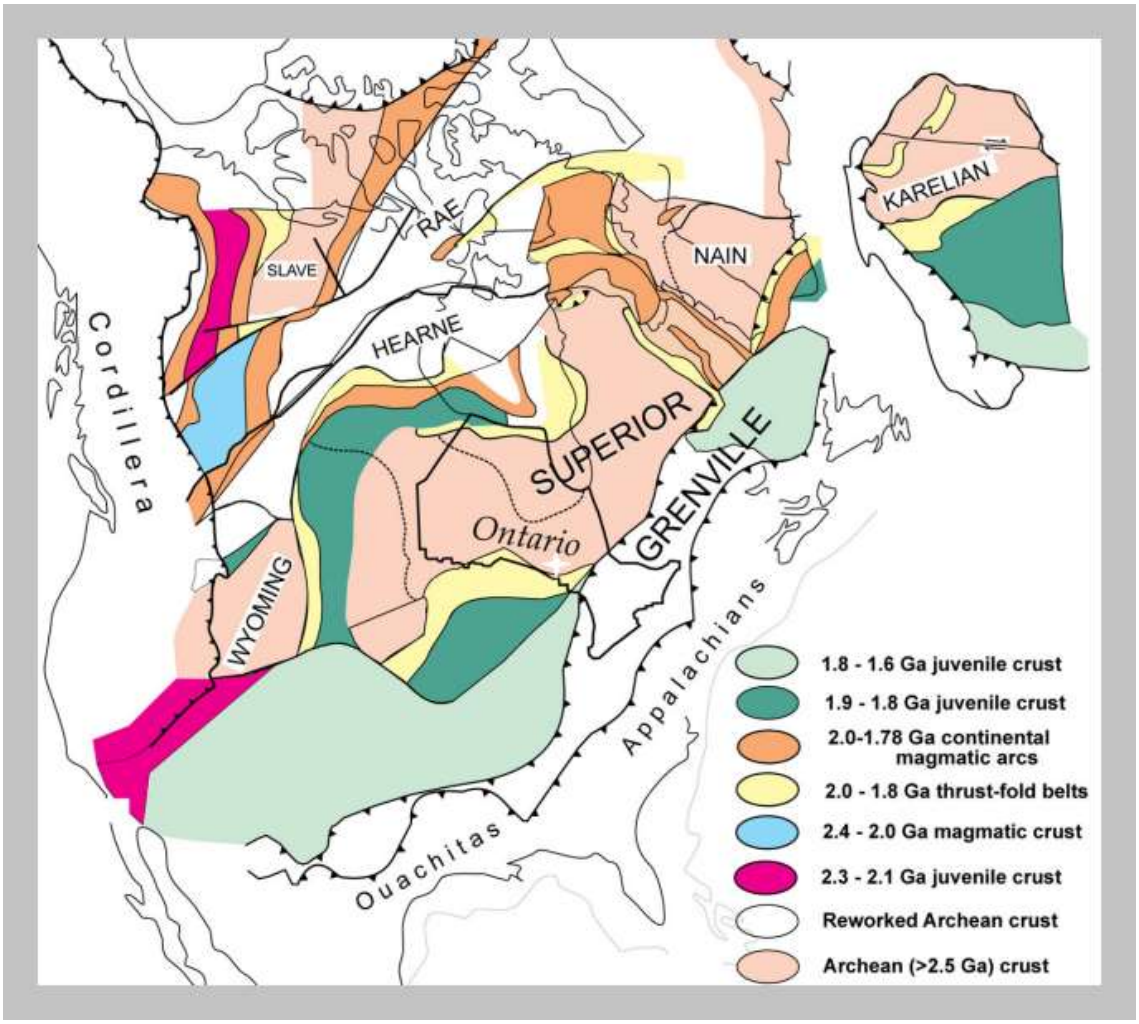

Figure 6.1: Tectonic Map of North America (2007 Percival & Easton)

The Superior Province is seen as a collage (Figure 6.2) made up of small continental and oceanic plates with a complex history of aggregation between 2.72 and 2.68 Ga, followed by post-orogenic effects.

Sedimentary rocks as old as 2.48 Ga uncomfortably overlie Superior Province granites, indicating that most erosion had occurred prior to circa 2.5 Ga. The claim blocks are situated in the Wawa terrane in the Wawa gneiss domain and in the Michipicoten Greenstone Belt (Figure 6.2)

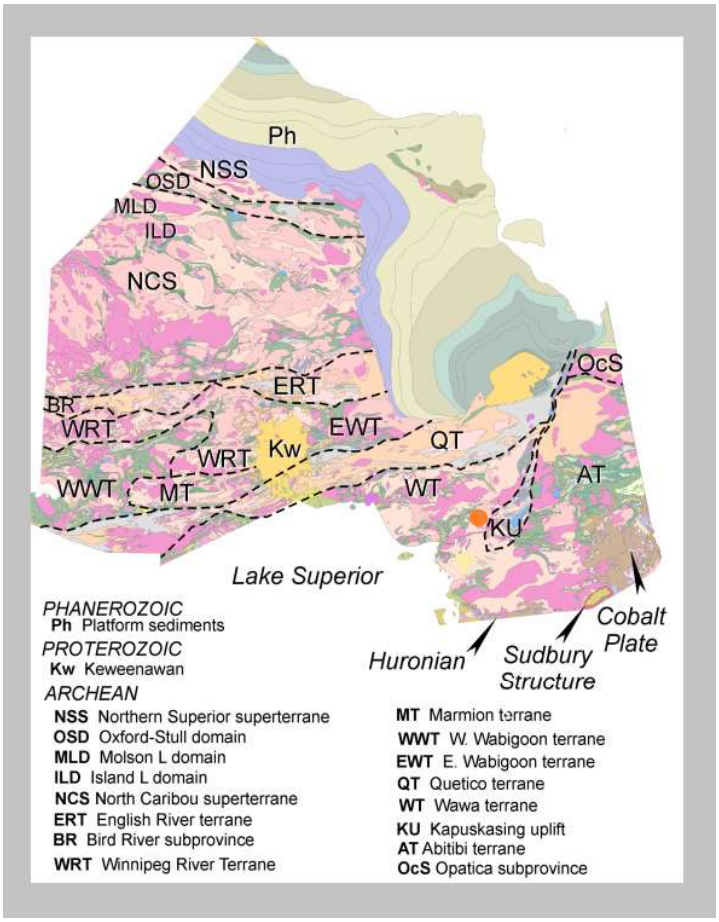

Figure 6.2: Terrane & Geological Map (Percival & Easton)

The Superior Province is divided into numerous subprovinces/terranes (Figure 6.3), each bounded by linear faults and characterized by differing lithologies, structural/tectonic conditions, ages, and metamorphic conditions. These subprovinces are classified into four types by Card and Ciesielski (1986):

- Volcano-plutonic: consisting of low-grade metamorphic greenstone belts, typically intruded by granitic magmas, and products of multiple deformation events.
- Metasedimentary: dominated by clastic sedimentary rocks and displaying low grade metamorphism at the subprovince boundary and amphibolite to granulite facies towards the centres.
- Gneissic-plutonic: comprised of tonalitic gneiss containing early plutonic and volcanic mafic enclaves, and larger volumes of granitoid plutons, which range from sodic (early) to potassic (late).

- High grade gneissic subprovinces: characterized by amphibolite to granulite facies igneous and metasedimentary gneisses intruded by tonalite, granodioritic, and syenitic magmas.

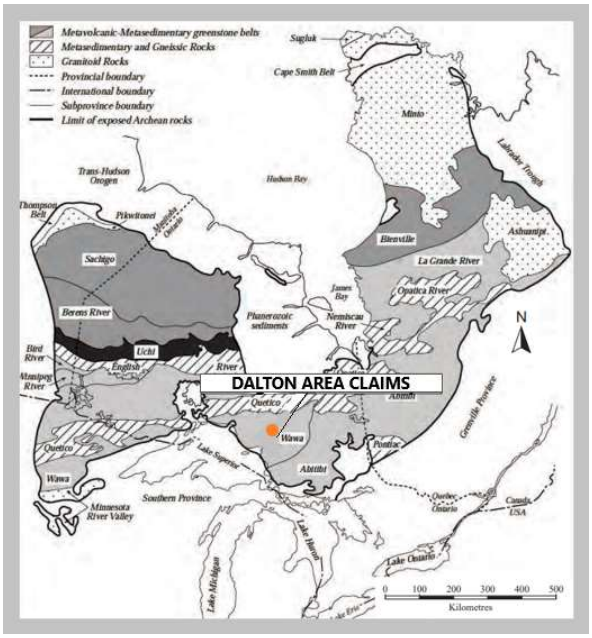

Figure 6.3 Regional Geology-Sub-Provinces.

The claims are situated in the Wawa subprovince/terrane that has a large variation in regional metamorphic grade that is related in part, to the ratio of supracrustal to plutonic rocks; the lowest grades of metamorphism are found within large greenstone belts that contain few internal granitic bodies (e.g., Michipicoten greenstone belt), and the highest grades of metamorphism are found in small greenstone belts containing a greater volume of internal granitic rocks (e.g., Manitouwadge greenstone belt). In addition, metamorphic grade increases in the Wawa subprovince from Lake Superior eastward toward the Kapuskasing structural zone, generally reflecting increasing depths of exposure.

The Wawa gneiss domain within which the Claim Blocks #1, #2 and #4 are located, lies between the Michipicoten–Gamitagama greenstone belts and the Kapuskasing structural zone (Figure 6.4). Geobarometric studies of amphibole-bearing tonalitic rocks across the Wawa gneiss domain indicate pressures of crystallization of 5 kbar in the west, increasing to 6.5 kbar in the east. U–Pb ages obtained on titanite also decrease from 2685 Ma in the west to ~2600 Ma in the east, possible reflecting prolonged high temperatures at deeper structural levels for rocks in the eastern part of the domain. Metamorphism and deformation in the Wawa subprovince have been related to accretion to the Quetico subprovince. There is a similarity of timing and sequence of events between the two subprovinces, with evidence of an earlier, localized, amphibolite-facies metamorphic event in both occurring at between 2700 and 2688 Ma, followed by a regional, slightly lower pressure event at 2689–2678 Ma.

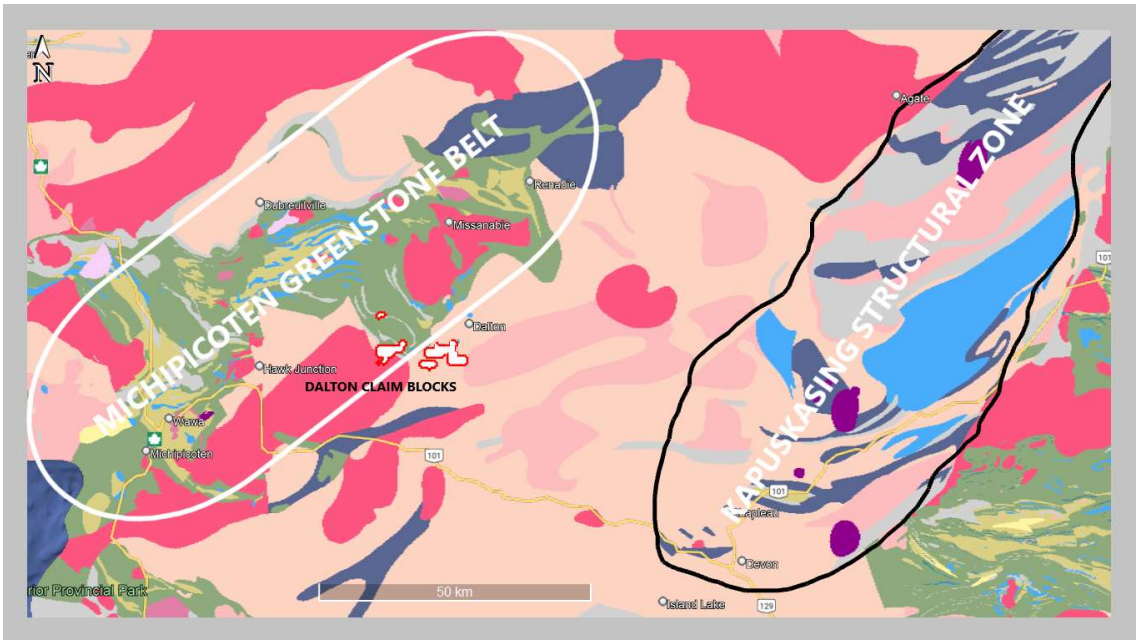

Figure 6.4 Local Geology

The Wawa subprovince is composed of two linear concentrations, or zones of greenstone belts:

1) one along its northern border with the Quetico subprovince, comprising the Shebandowan, Schreiber-Hemlo, Manitouwadge-Hornepayne, White River, Dayohessarah, and Kabinakagarni greenstone belts; and

2) a second in the south-central portion of the Wawa subprovince, including the Mishibishu, Michipicoten, and Gamitagama greenstone belts (Figure 6.4).

These supracrustal zones are composed dominantly of mafic volcanic rocks, with subordinate ultramafic, intermediate, and felsic flows. Sedimentary rocks are predominantly siliciclastic turbiditic wackes and shales, with minor conglomerates, iron formations, cherts, and carbonates. The two linear concentrations of greenstone belts are separated by domains of tonalite-trondhjemite-granodioritic (TTG) plutonic rocks. For the Wawa subprovince, geological relationships between lithotectonic assemblages and greenstone belts suggest that the various greenstone belts were tectonically assembled prior to the coalescence of the subprovinces of the Superior Province (Williams et al., 1991)

On a local scale there are underlain dominantly by suites of rocks of metavolcanic, metasedimentary and plutonic origin of Archean age. are 4 major sedimentary and metavolcanic rock types recognized within the Michipicoten greenstone belt. These are:

1. intermediate to mafic metavolcanic rocks;
2. intermediate to felsic metavolcanic rocks;
3. clastic metasedimentary rocks;
4. chemical metasedimentary rocks.

Intermediate to mafic metavolcanic rock is exposed throughout most of the greenstone belt. The intermediate to felsic metavolcanic rocks are less widespread and restricted to belts and blocks

scattered across the greenstone belt. The intermediate to mafic and felsic metavolcanic rocks were deposited during 2 major, and a third minor, volcanic cycles. The materials of the 2 major volcanic cycles range in composition from tholeiitic basalt to calc-alkalic felsic volcanics (Thurston 1986). Materials of the third minor volcanic cycle represent basaltic to peridotitic komatiite volcanism followed by calc-alkalic felsic volcanism (Sage and Heather 1991)

Metasedimentary rocks are more common in the west than in the east. They were deposited within a marine alluvial fan depositional environment and were subsequently buried by materials of a shallow braided stream environment (Neale 1981, Thomas 1984). The metasedimentary rocks consist of either conglomerate, wacke or siltstone or argillite (Sage and Heather 1991).

Iron formation is the dominant chemical metasedimentary rock found within the greenstone belt and most commonly is found in the southwestern, central and northeastern parts of the study area. The iron formation consists of 5 facies that include, in ascending order:

1. siderite (carbonate facies);
2. pyrite (sulphide facies);
3. chert-magnetite wacke (oxide facies);
4. argillite-pyrite-graphite;
5. facies where calcite occasionally substitutes for siderite (Sage and Heather 1991).

Origin of the iron formation is summarized by Sage and Heather (1991). Several stocks are scattered across the greenstone belt and range in composition from trondhjemite to granodiorite to granite. All are younger than the surrounding supracrustal rocks and may have been emplaced at the same time as the felsic intrusive rocks external to the greenstone belt. Surrounding the supracrustal rocks are felsic intrusive rocks that range in composition from tonalite and trondhjemite to granite (Sage and Heather 1991). Felsic intrusive rocks on the south side of the greenstone belt are older than the same rocks on the north side. Within the felsic intrusive rocks to the southeast is a thin belt of migmatized supracrustal rocks (Ontario Geological Survey 1991).

At present, two tectonic models have been set forth as possible histories for the Early to Middle Archean rocks of the Superior province. The first suggests the Superior province may have formed by repeated accretion of terranes as a result of subduction in a compressional margin (Hoffman, 1989; Williams et al., 1991). This model is supported by seismic, structural and geological data (Calvert et al., 1995; Calvert and Ludden, 1999; Thurston, 2002). Under this model, deformation within the Michipicoten Greenstone Belt resulted from subsequent accretion of volcanic arcs during formation of the belt, and by accretion of the Wawa subprovince to the Superior Craton nucleus (Arias, 1996). The volcanic rocks of Wawa are interpreted to be allochthonous assemblages of island and continental arcs (Sylvester et al., 1987), tectonically transported to their present position (Thurston, 2002). 16 An alternative model calls for an autochthonous origin for the Michipicoten Greenstone Belt, with greenstones being accumulated in place, erupting through and being deposited upon older units (Thurston, 2002; Ayer et al., 2003). Under this model, the Superior Province would have experienced orderly, autochthonous progression from platforms through rifting of continental fragments, and late assembly during the Kenoran orogeny. This interpretation of all cycles of Michipicoten volcanics as intra-cratonic magmatism is supported by geochemical evidence, which records crustal geochemical signatures and significant contributions from continental passive margin sources (Sage and Lightfoot, 1996).

6.2 Claim Blocks Geology

Claim Blocks #1, #2 and #3 are on or adjacent to the Michipicoten Greenstone Belt and underlain by mafic metavolcanics and metasediments (Figure 6.5). Granite and gneissic tonalite underlies the southern part of Claim Block #4. Claim Block #3 and the Dalton Mills Claim Block are underlain by tonalite to granodiorite-foliated to gneissic-with minor supracrustal inclusions of the Wawa gneiss domain

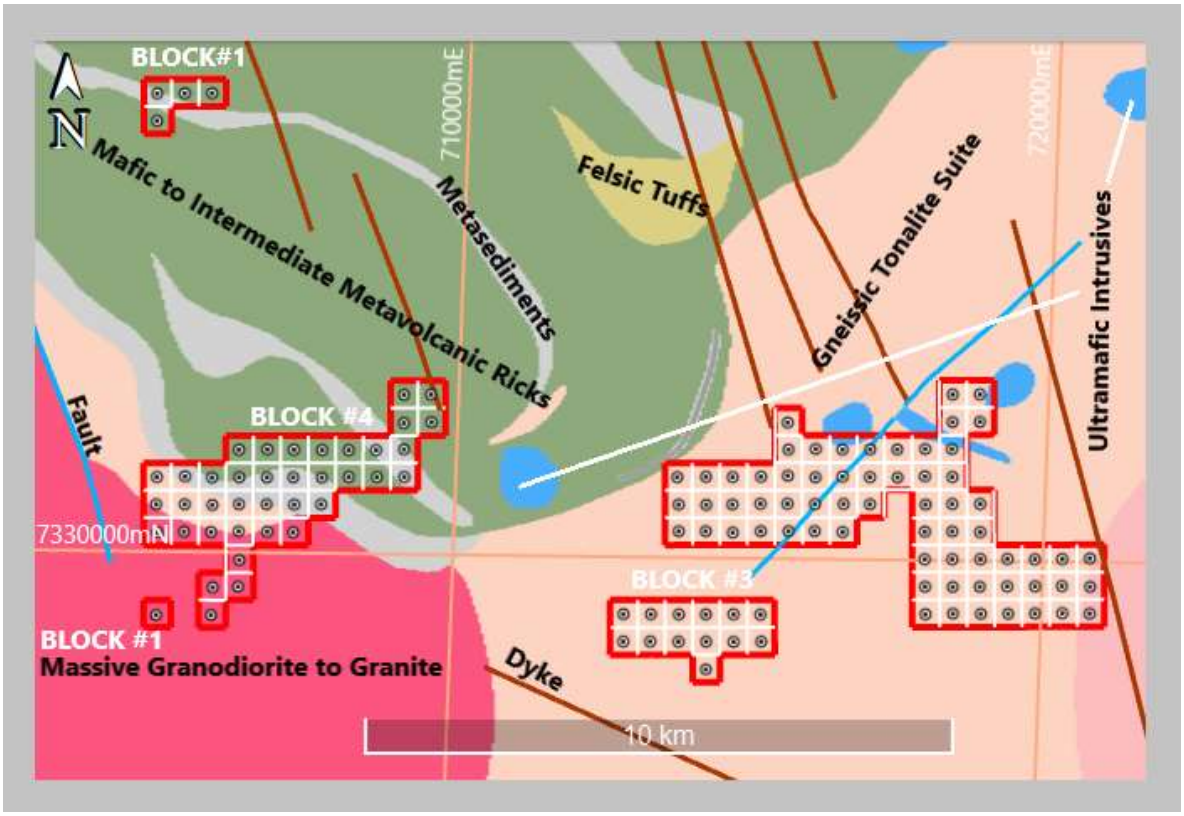

Figure 6.5 Dalton Area Claim Blocks - Geology

6.3 Mineralization

No mineralization reported on any of the claim blocks claims apart from:

- Single rock chip sample with 4.5g/t gold from claim #580845 sampled June 15th 2020 by James Steel P. Geo during the course of current exploration.

Outside the claims area it is reported:

- Gold occurrences from 5 to 9 kilometres NNW of the Dalton Mills Claim Block
- Trace base metals (Copper, Nickel) from drill holes to the north of claim block #4 (Figure 5.1).
- The Goudreau Gold Camp of the Michipicoten greenstone belt and the Island gold mine is located 20kms northwest of Block #1.

7.0 Exploration

Exploration consisted of interpretation of a long wave infrared spectral analysis survey over the five Dalton Area Claim Blocks claims in September and October 2021 by Aster Funds Ltd., Toronto, Ontario. As well, Quadratic Determinant Classifiers (QDFC) and Linear Quadratic Determinant Classifiers (LDFC) were constructed for specific gold deposits/occurrences in the survey area. Target Vector Minerals (TVM's) were identified and mapped for gold and metallics on the claim blocks.

LWIR imagery is collected by the Japanese Aster satellite which was launched in December 1999. The spatial resolution is 90 m and five spectral bands of thermal reflectance's are collected in the range 8.29, 8.63, 9.07, 10.66 and 11.32 microns and on September 18th 2021 was downloaded from the Japanese Space Agency site MADAS - AIST (gsj.jp) for the Dalton Claim Blocks by Aster Funds Ltd, Toronto, Ontario.

Site visits were made in 2020 and 2021 for access reconnaissance, prospecting and rock chip sampling on claim blocks #1, #4 and Dalton Mills Claim Block by Steel P.Geo and/or F. Archibald P.Geo and/or J. Ryder P.Geo . Details are to be found in Section 7.3 of this report.

7.1 Spectral Analysis (LWIR and/or SWIR)

Aster Funds Ltd offers bespoke proprietary spectral analyses of deposit-relevant mineral abundance and distribution on exploration and mining properties. Aster Funds Ltd takes the Long Wave Infrared (LWIR) and/or Short-Wave Infrared (SWIR) thermal signals and processes them through proprietary methods to stitch Aster scenes together, leaving out cloud and cloud shadow; water bodies; vegetation; and overburden. The Spectral Analysis of the resultant scene is used to map mineral 'endmembers' over client exploration and mining properties. The ground-penetrating nature of infrared radiation in the long-wave bands and the emissive properties of minerals allows for sixteen (16) spectral LWIR/SWIR endmembers to be derived for each survey area from outcrops, shallow cover and beneath vegetation and overburden (Figures 7.1 to 7.41). It is as if the Client properties is analyzed for geological and deposit relevant exploration from the basis of 100% outcrop.

For the Long Wave Infrared survey, the minimum resolvable unit (pixel) is 90m x 90m and the signal emanates from the bedrock. If Aster Short Wave Infrared is used, the minimum resolvable distance is 30m x 30m, but the signal emanates from the first millimetre of surface content, whatever it may be. Satellite revisit time to a particular area is about two weeks, giving a digital reference time series for any physical point. Historical spectral analysis surveys are available for Long Wave Infrared to the present day and Short-Wave Infrared (SWIR) to 2008 for the Aster Terra satellite. However, the European Sentinel satellites are currently acquiring SWIR/VNIR data with up to 10 metre resolution.

Some of the minerals and elements that have been used in previous Spectral Analysis surveys include: alunite, tourmaline, quartz, and kaolinite for epithermal gold deposits; augite, epidote, and goethite for host rocks in which volcanogenic massive sulphides and base metals deposits are found; pyrrhotite and pyrite for nickel and copper deposits; and monticellite for diamond deposits. Other searches can be made subsequent to the initial search to define specific deposit-type minerals.

7.2 Quadratic and Linear Determinant Classifier Functions

A quadratic determinant classifier (QDFC) is a descriptive term for a statistical classification based on multivariate statistical analysis. It is designed to separate thermal spectral from mineral deposits/occurrences from the rest of the coverage image, be it short wave infrared or long wave infrared.

Two Gaussian distributions are estimated; one, with the voxel values of the spectral imaging from areas with no mineralization of the type sought. Second, with the voxel values of the area that is acting as the source for data, in this instance, specific gold deposits in the Goudreau Gold Camp and numerous occurrences in the Michipicoten Greenstone Belt.

An n-dimensional regression is then performed using a quadratic equation in which the independent variables are the 16 minerals in the search area. A quadratic surface is estimated which includes the 16 minerals as orthogonal axes (in that each acts independently of any other one).

Values above the quadratic surface are plotted in terms of intensity and distribution, as they represent dependencies based on the source data. Values below the quadratic surface are not plotted, as they are deemed to represent areas in which there are no dependencies of data and thus do not represent valid exploration areas.

In the case of LDFC one LWIR endmember is used to define deposits, an example spodumene for lithium where a linear discriminant function from univariate statistics is used. A standard regression equation is used where values above the line of best fit qualify and values below the line of best fit are rejected. The LDF chart is a simpler classifier using a linear manifold in 16-dimensional space.

For the gold QDFC and LDFC Predictor-Fingerprint mapping four and fourteen different gold deposits in the Goudreau gold camp and two hundred and eighty-one gold occurrences throughout the Michipicoten Greenstone Belt were selected as trainers:

1. Four (4) gold deposits: The Magino, Kremzar, Cline and Edwards
2. Fourteen (14) drilled gold areas: 8 Prospects & 6 Occurrences excluding the 4 deposits above in the Goudreau Gold Camp
3. Two hundred and eighty-one (281) gold occurrences from drilled to trenched outcrops within the greenstone belt.

Figures 7.1 to 7.40 overleaf show the mineral distribution and abundance maps for each of the long wave infrared minerals identified on each of the five claim blocks. The various endmember mineral colour patterns on the maps reflect the degree of endmember abundance from low endmember abundance (blue) to high endmember abundance (red). White areas reflect absence of the endmember.

Figures 7.41 to 7.50 overleaf show the different QDFC and LDFC predictor-fingerprint target maps for each of the different gold trainers used. The gold QDFC and LDFC predictor-fingerprint target maps are colour coded to visually assist with correlation to the LWIR fingerprint of the trainer deposit(s) where the warmer the colour the greater the correlation. In summary*, "the end product is known as a LWIR QDFC/LDFC predictor/fingerprint target map which outlines areas in the spectral survey area that have the same/similar LWIR fingerprint as the trainer mineral deposit(s). The degree of correlation with the trainer deposit(s) is shown by the warmer the map colours the higher the prediction of*

mineralization where for example red colours equate with a greater than 90% correlation with the deposit(s) used as trainers.*"*

Block #1

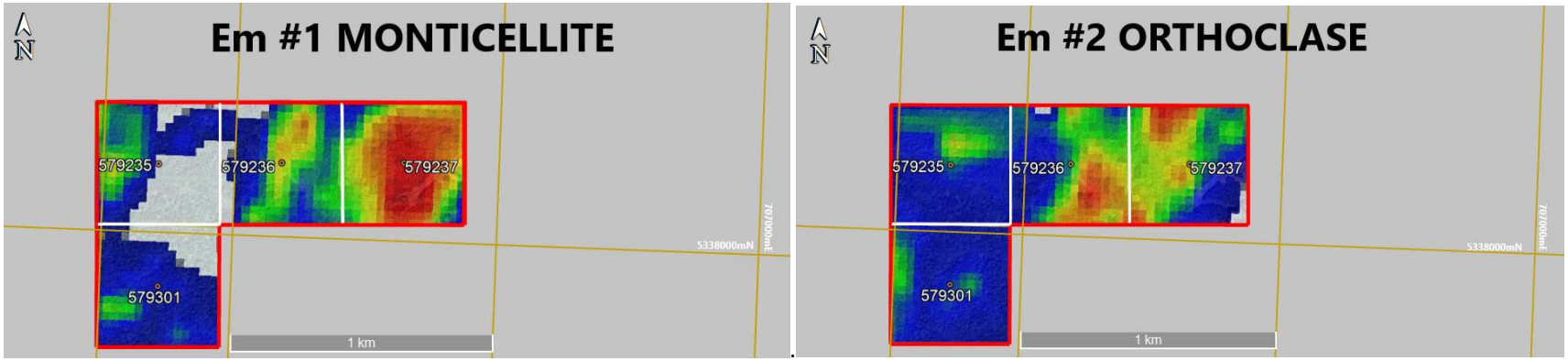

Figure 7.1 Long Wave Infrared Survey: Monticellite and Orthoclase Abundance Maps

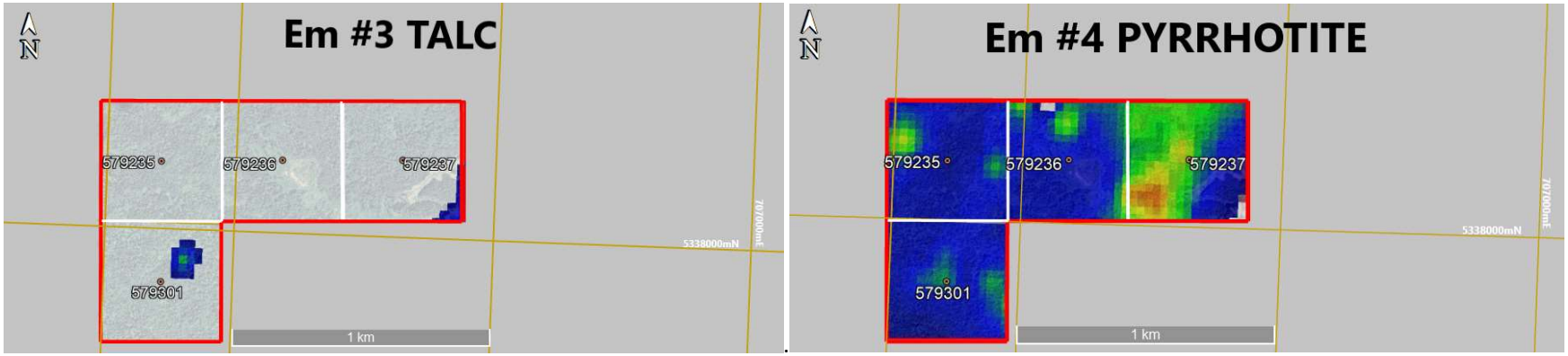

Figure 7.2 Long Wave Infrared Survey: Talc and Pyrrhotite Abundance Maps

Figure 7.3 Long Wave Infrared Survey: Epidote and Beryl Abundance Maps

Figure 7.4 Long Wave Infrared Survey: Kaolinite and Cerussite Abundance Maps

Block #1

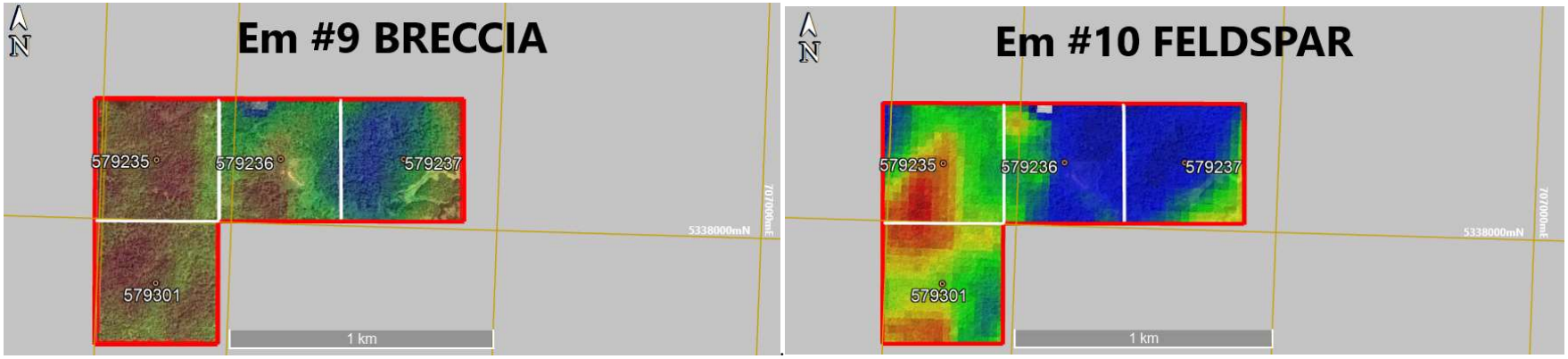

Figure 7.5 Long Wave Infrared Survey: Breccia & Feldspar Abundance Maps

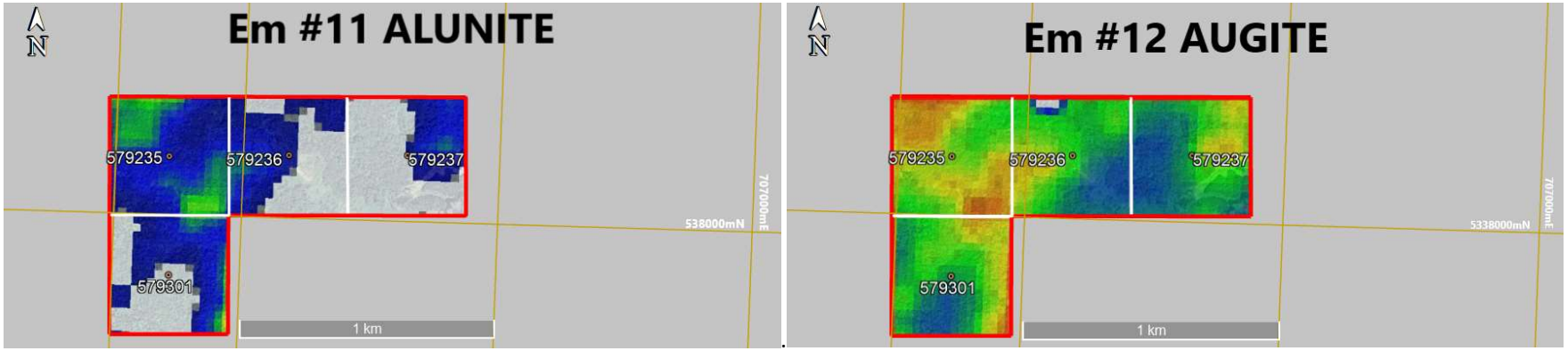

Figure 7.6 Long Wave Infrared Survey: Alunite & Augite Abundance Maps

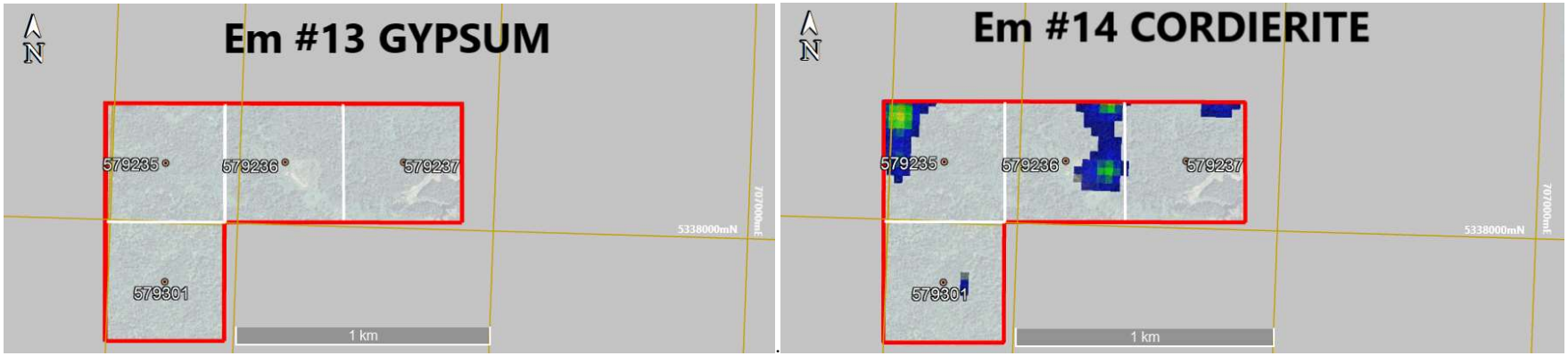

Figure 7.7 Long Wave Infrared Survey: Gypsum & Cordierite Abundance Maps

Figure 7.8 Long Wave Infrared Survey: Pyrite and Goethite Abundance Maps

Block #2 & Block #4

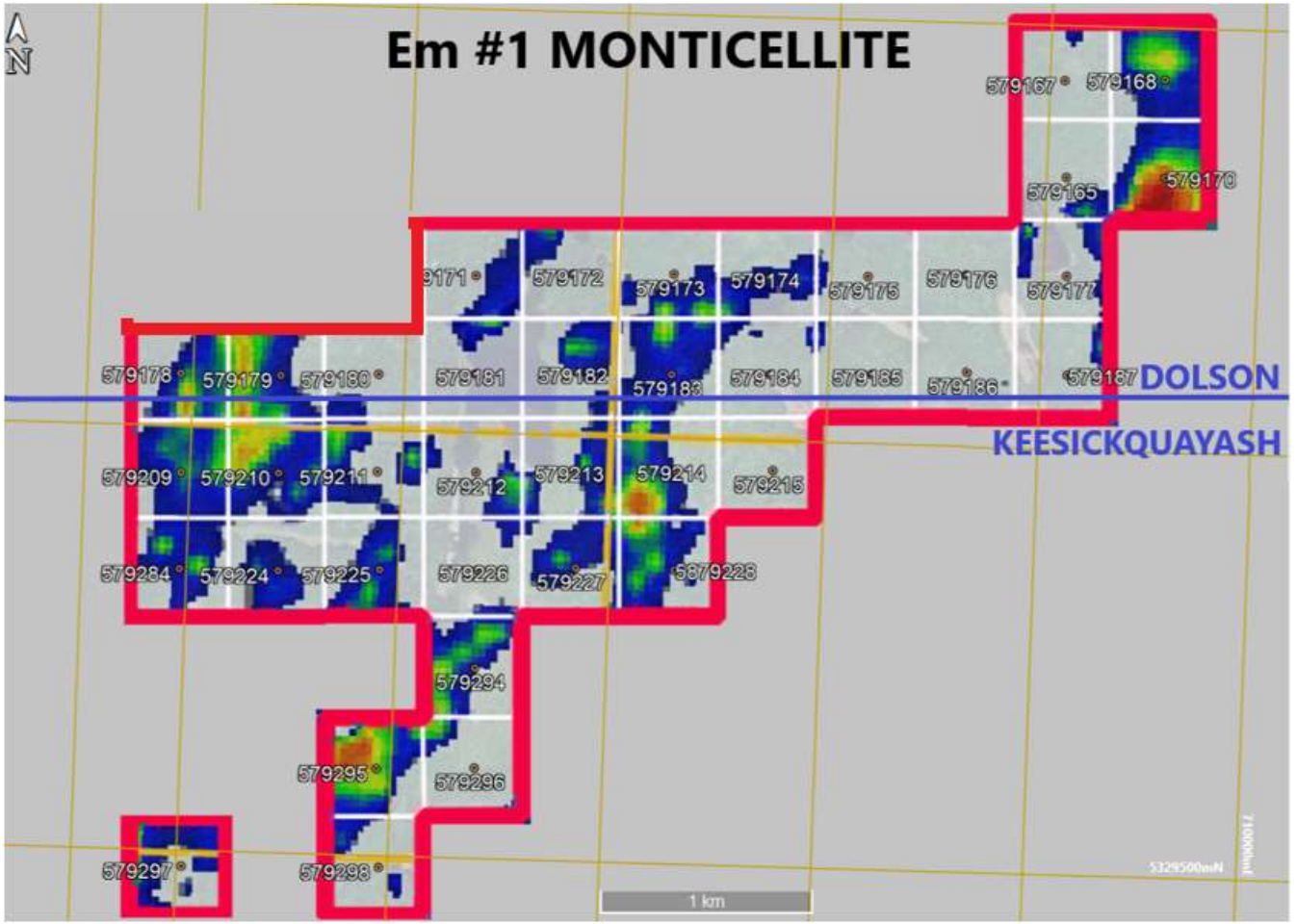

Figure 7.9 Long Wave Infrared Survey: Monticellite Abundance Map

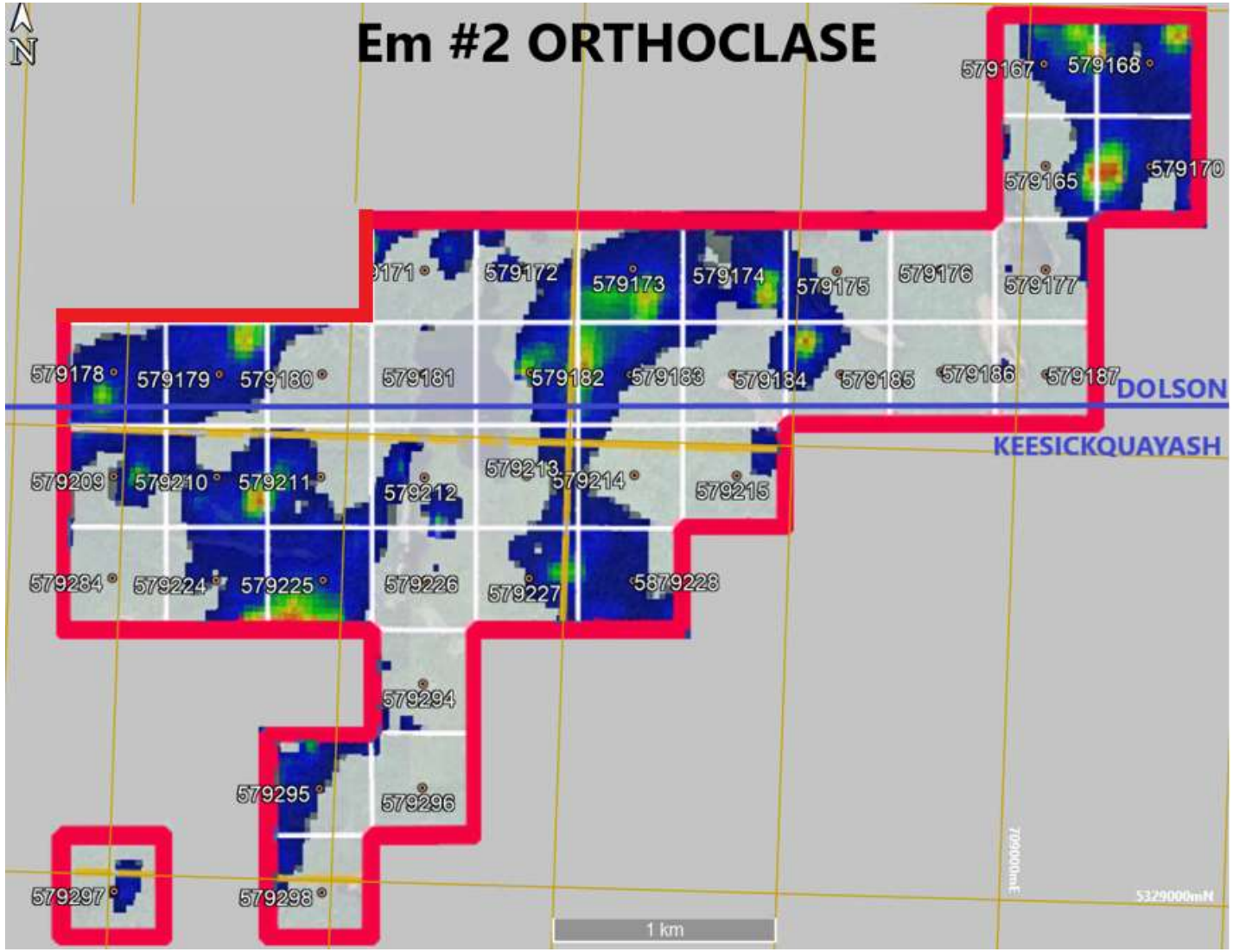

Figure 7.10 Long Wave Infrared Survey: Orthoclase Abundance Map

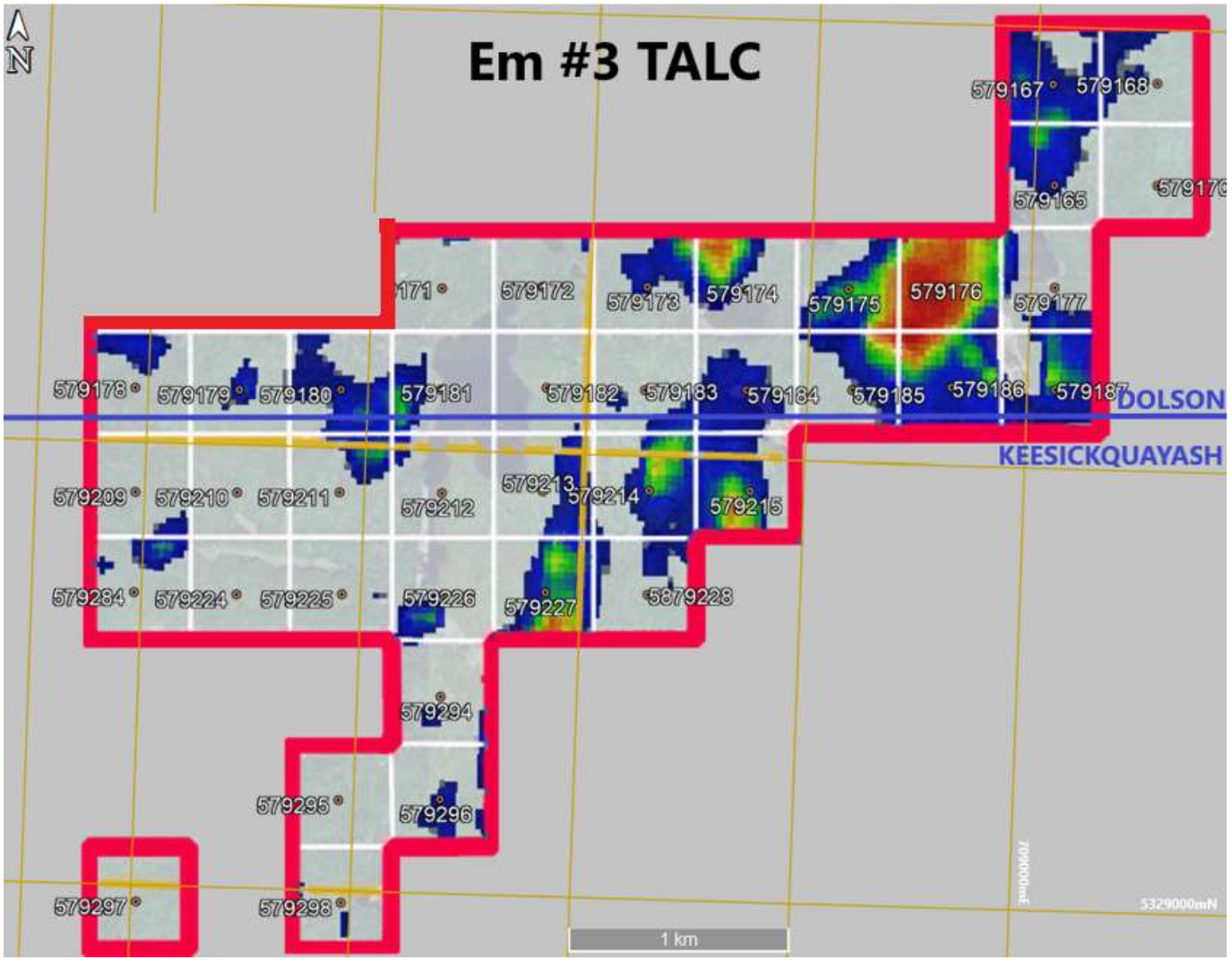

Figure 7.11 Long Wave Infrared Survey: Talc Abundance Map

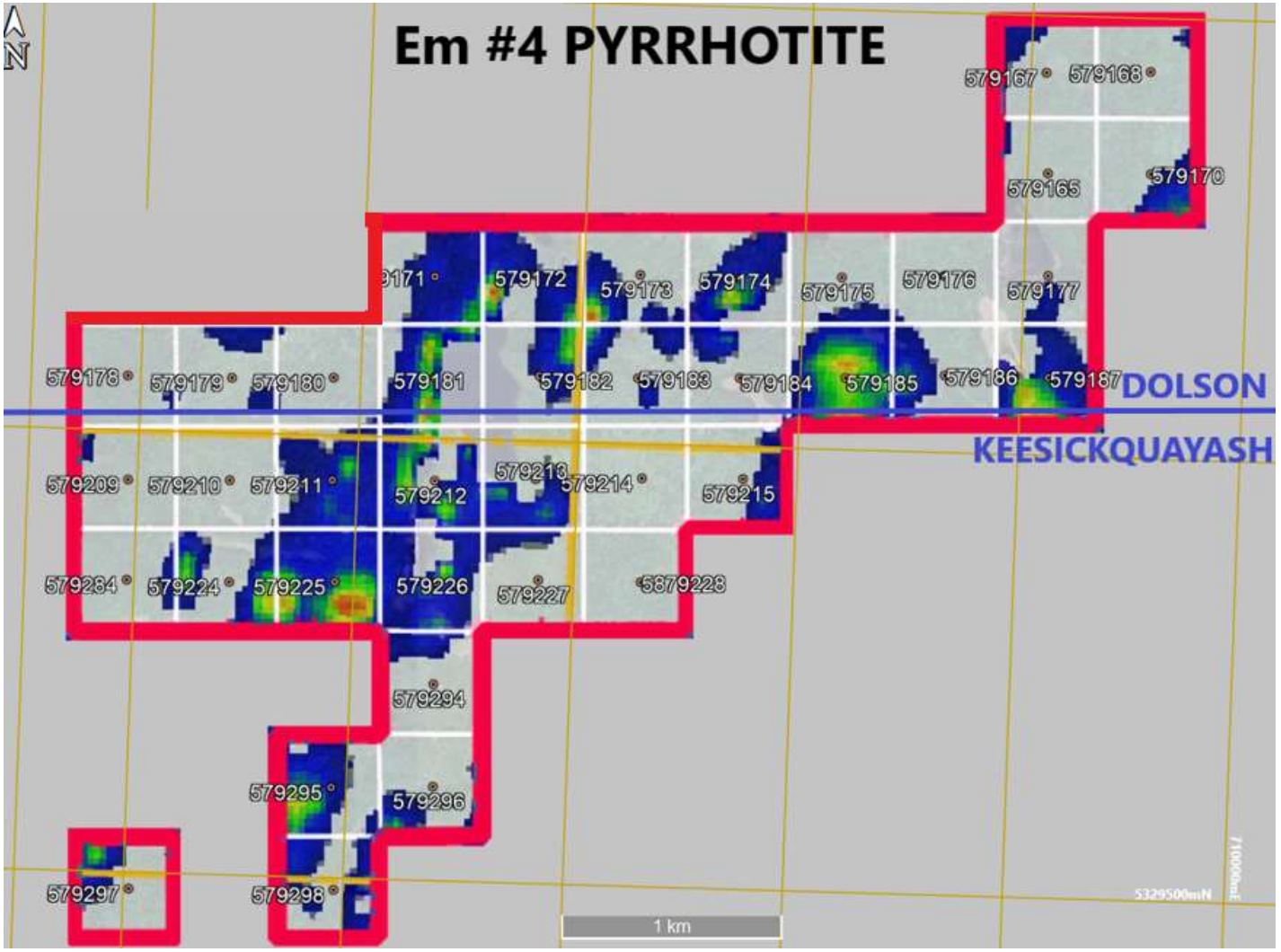

Figure 7.12 Long Wave Infrared Survey: Pyrrhotite Abundance Map

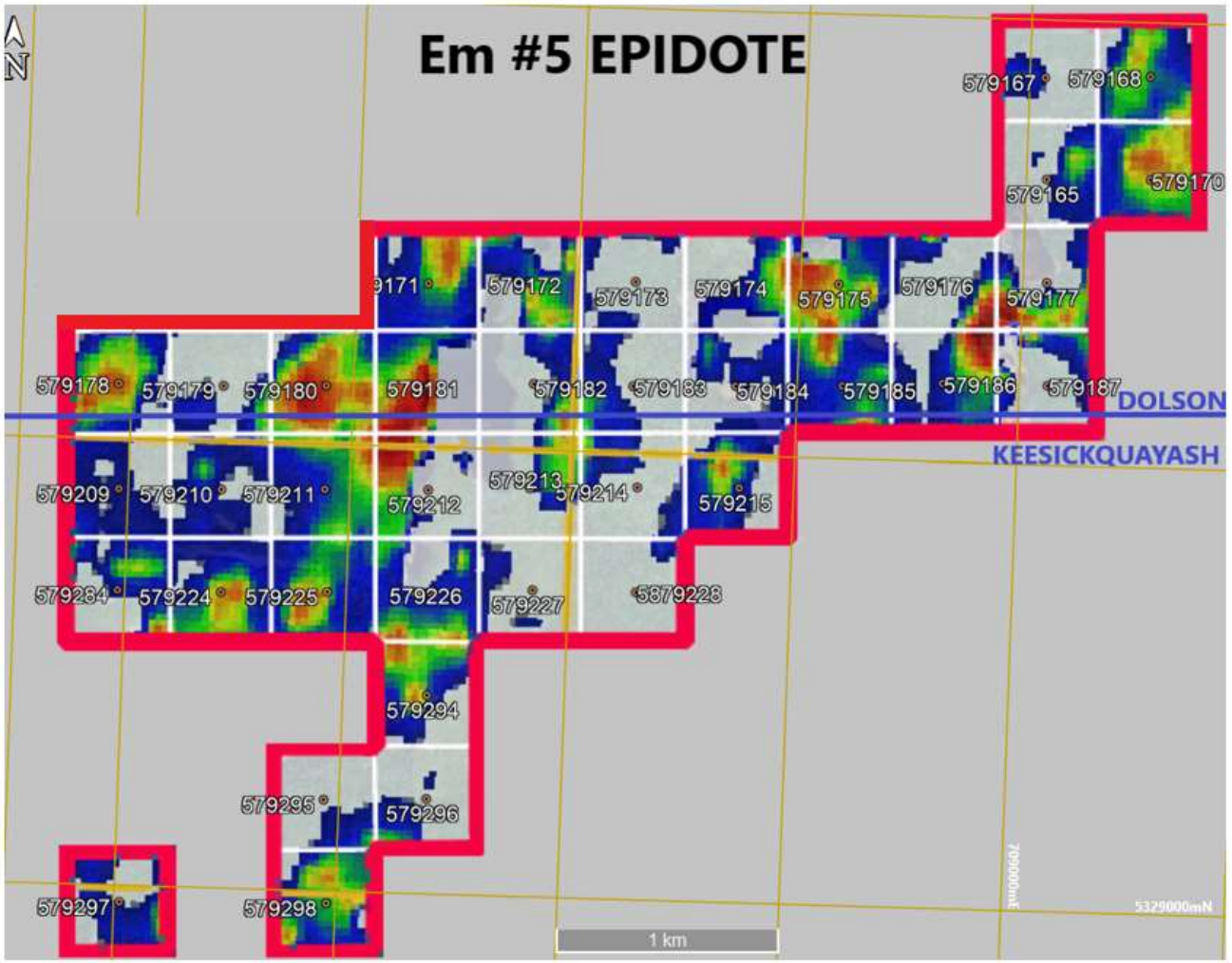

Figure 7.13 Long Wave Infrared Survey: Epidote Abundance Map

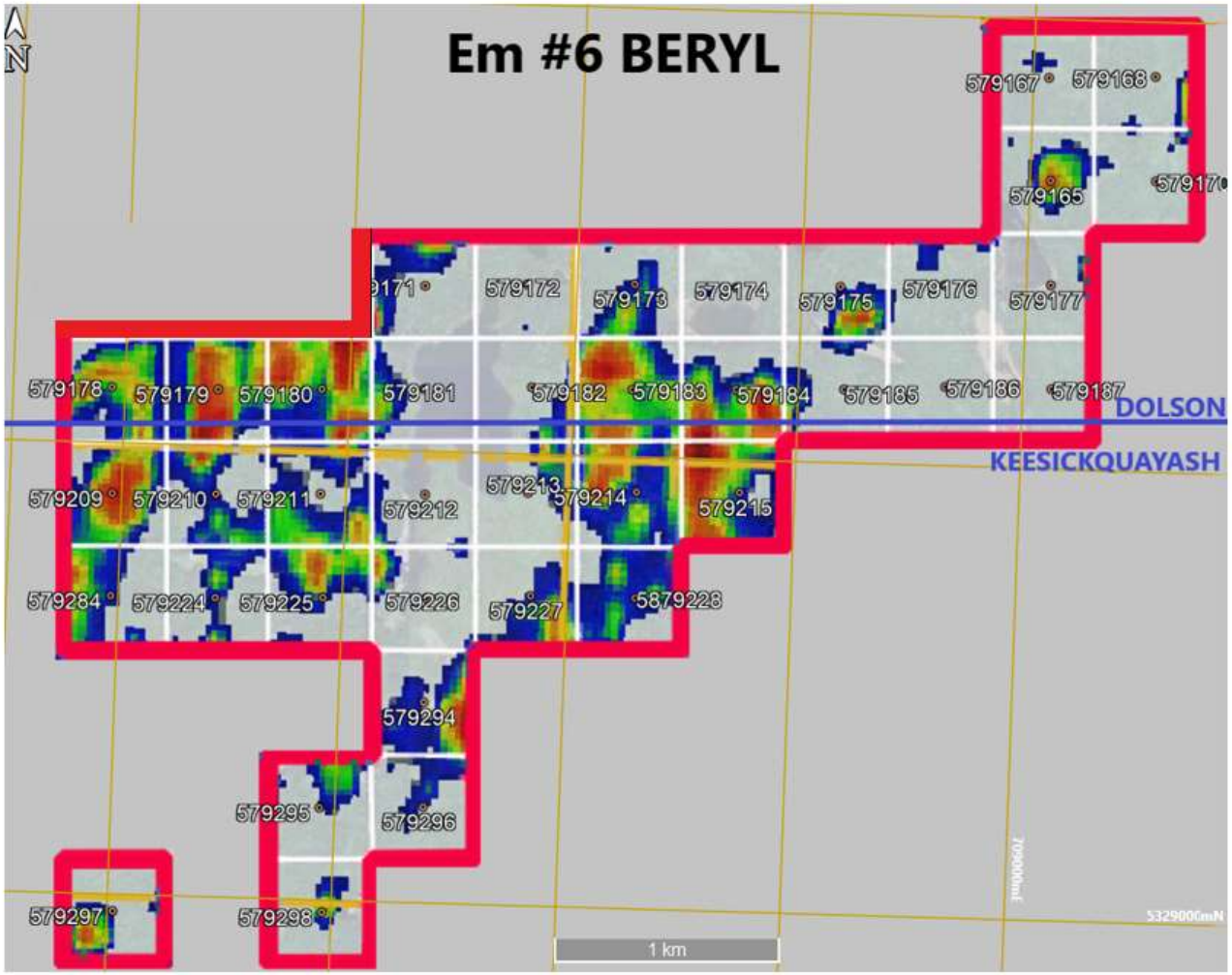

Figure 7.14 Long Wave Infrared Survey: Beryl Abundance Maps

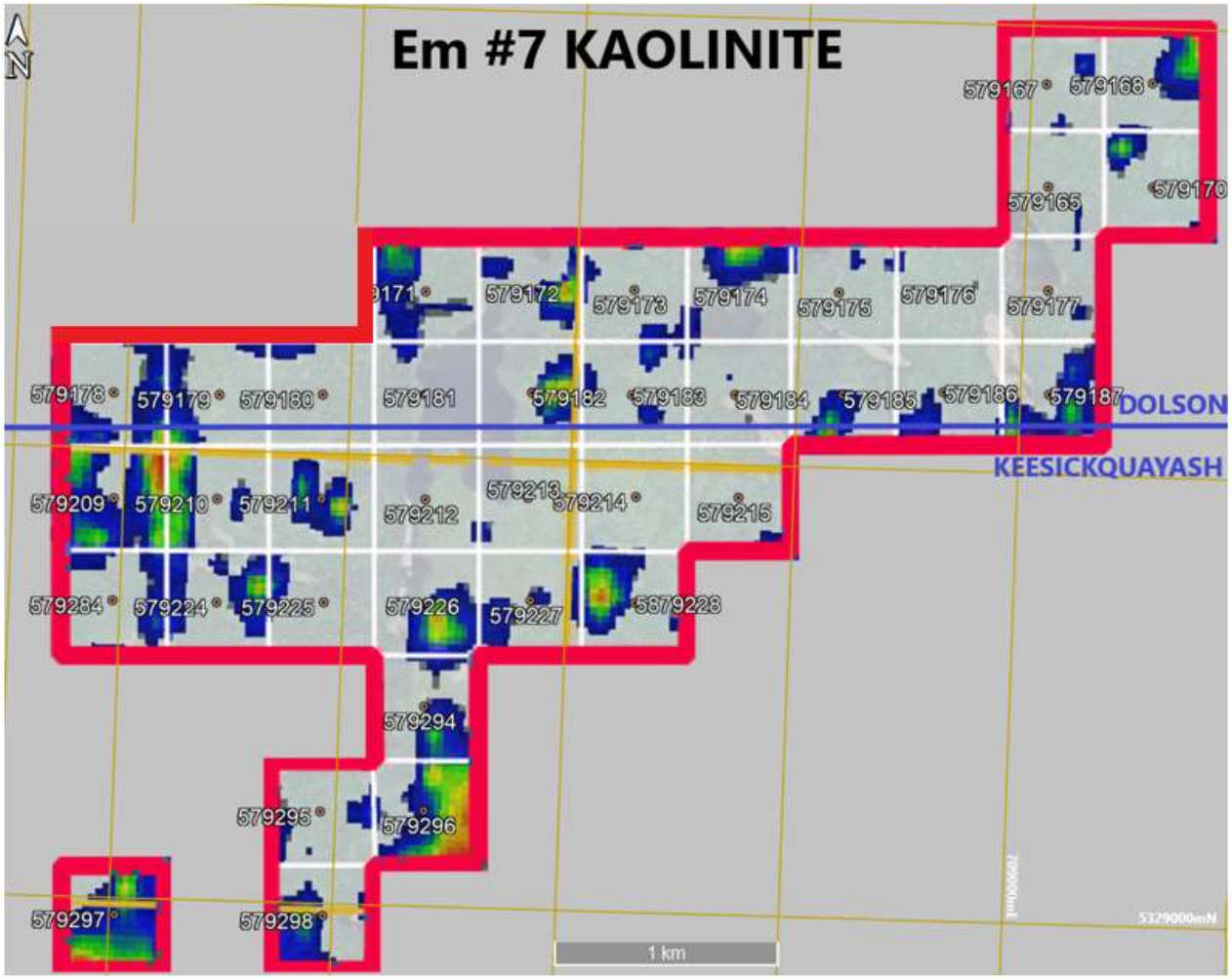

Figure 7.15 Long Wave Infrared Survey: Kaolinite Abundance Maps

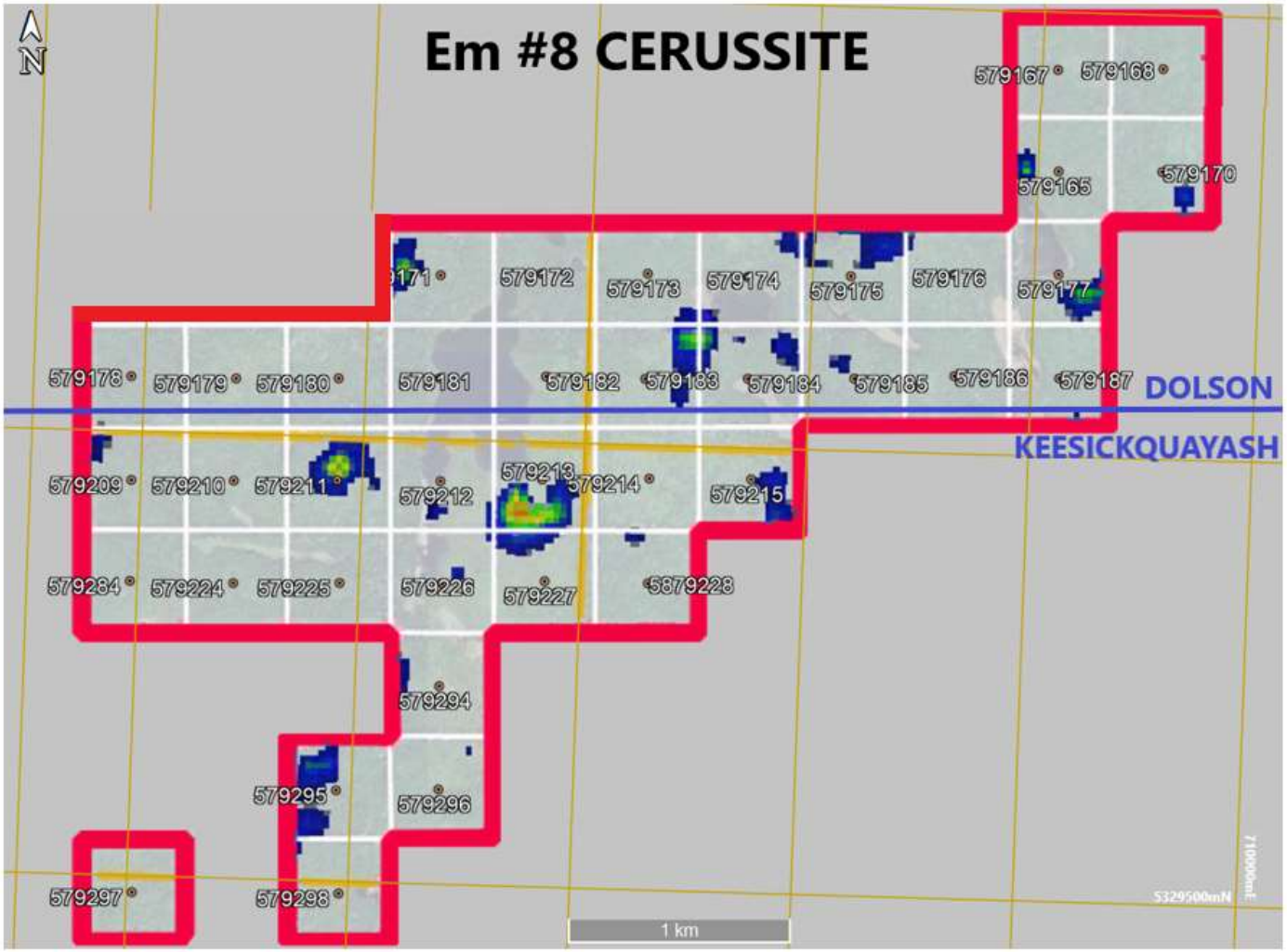

Figure 7.16 Long Wave Infrared Survey: Cerussite Abundance Map

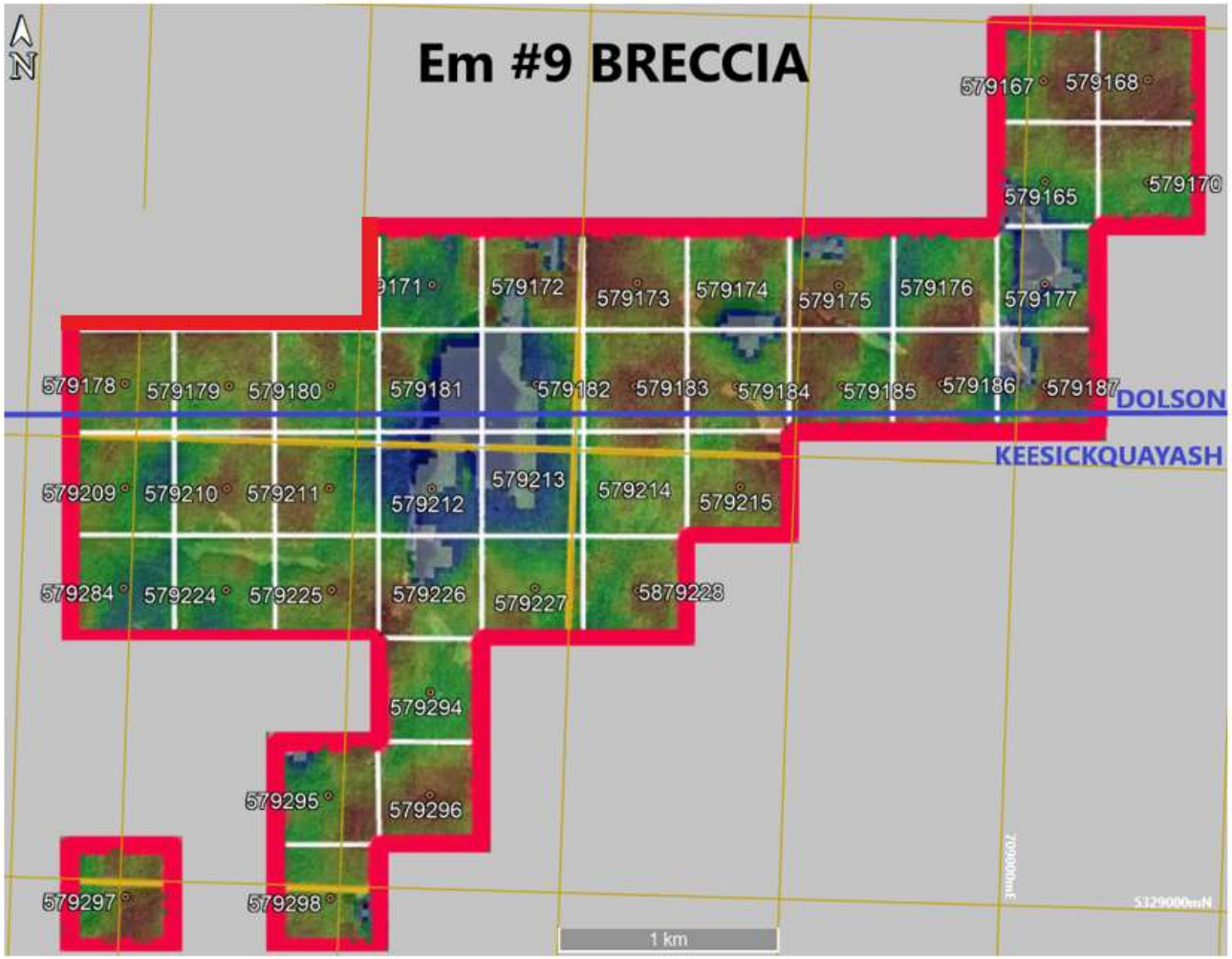

Figure 7.17 Long Wave Infrared Survey: Breccia Abundance

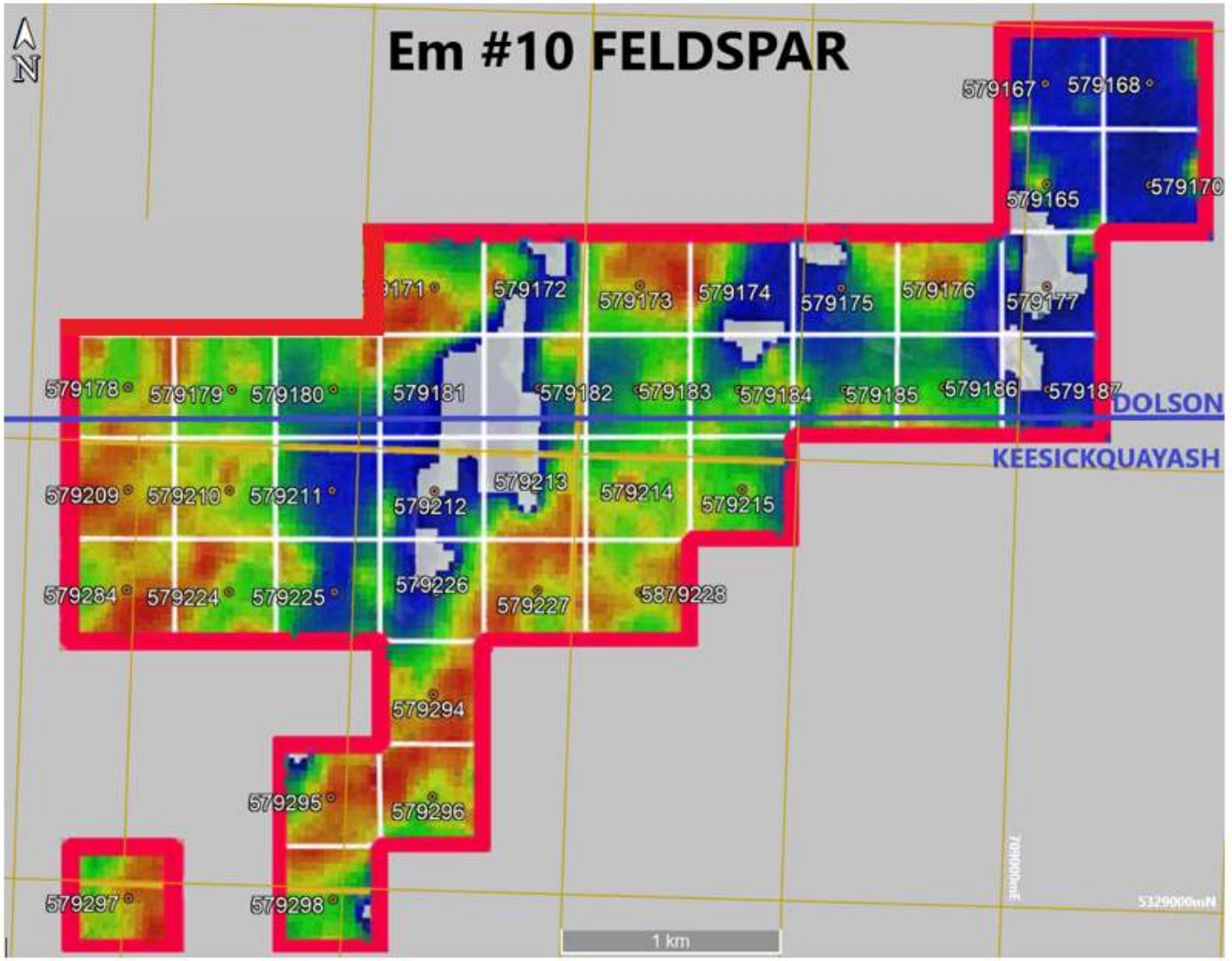

Figure 7.18 Long Wave Infrared Survey: Feldspar Abundance Maps

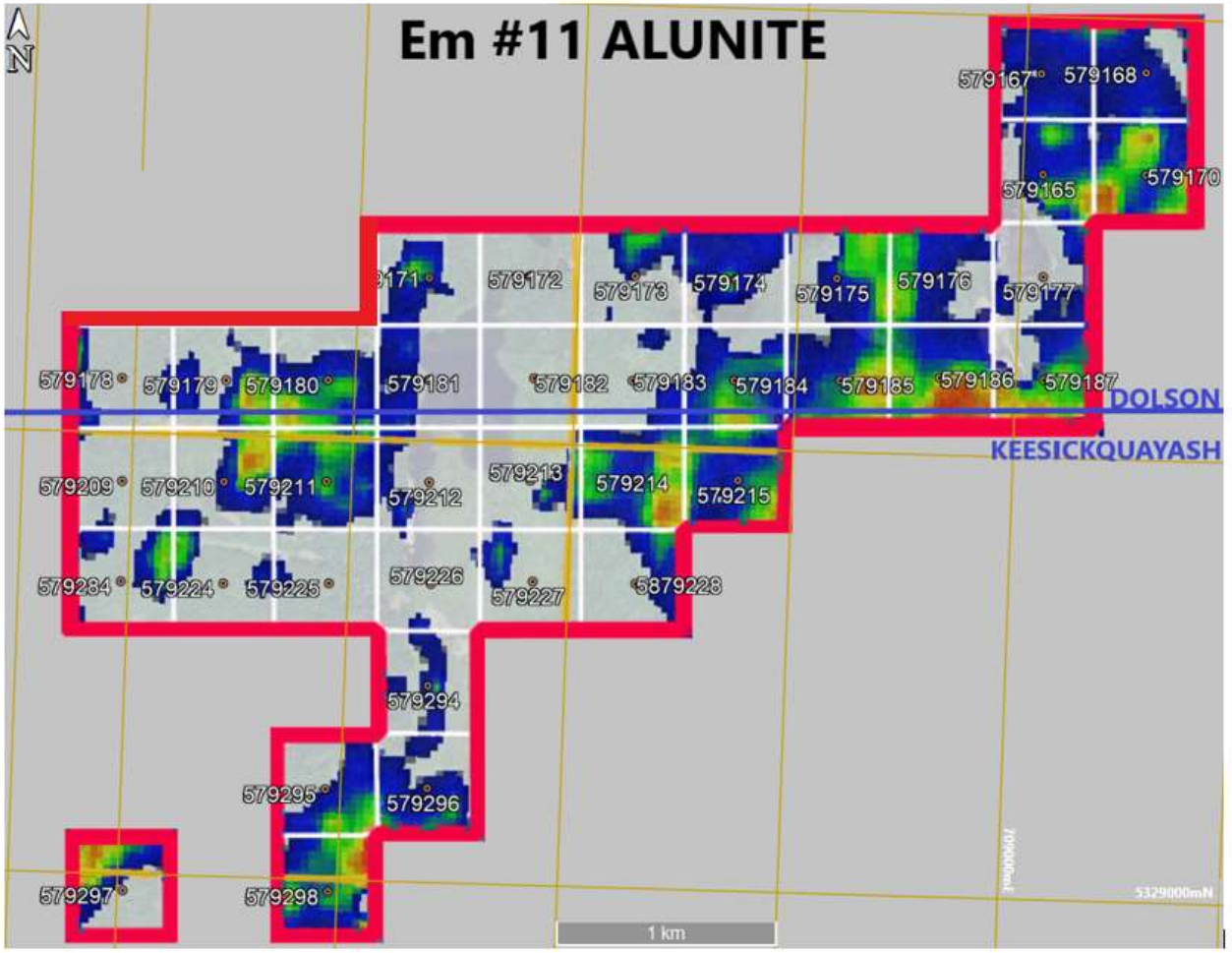

Figure 7.19 Long Wave Infrared Survey: Alunite Abundance Maps

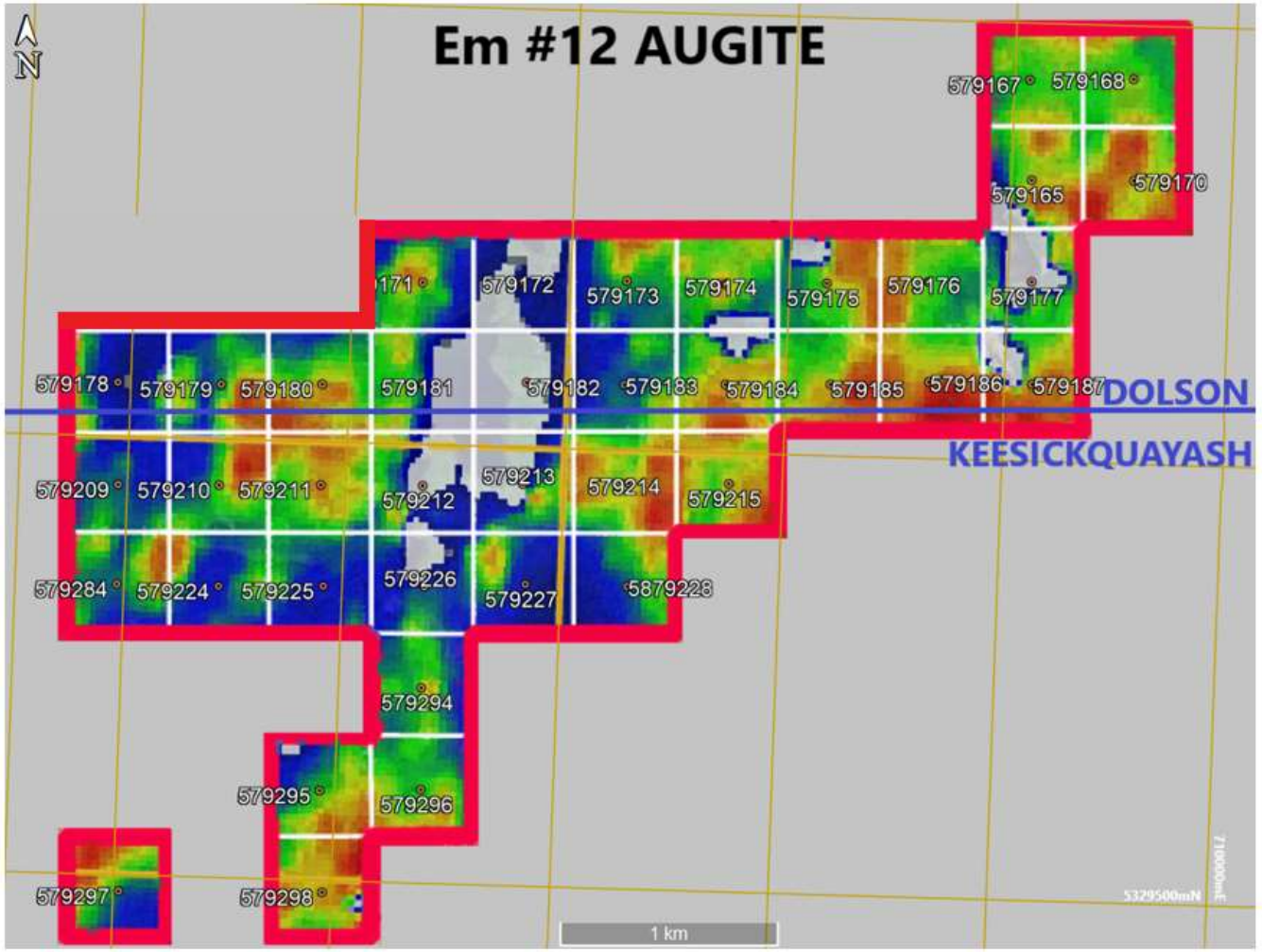

Figure 7.20 Long Wave Infrared Survey: Augite Abundance Maps

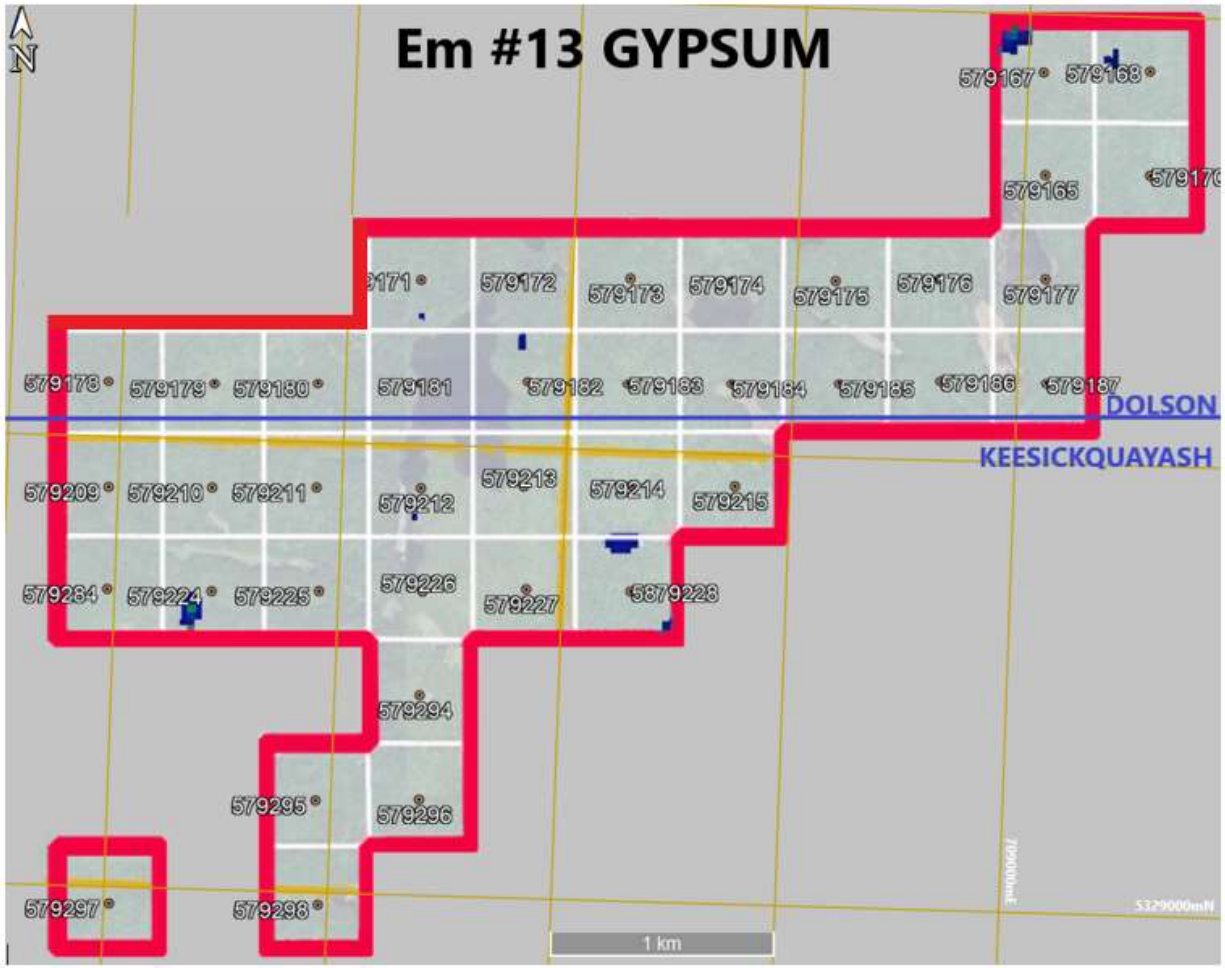

Figure 7.21 Long Wave Infrared Survey: Gypsum Abundance Map

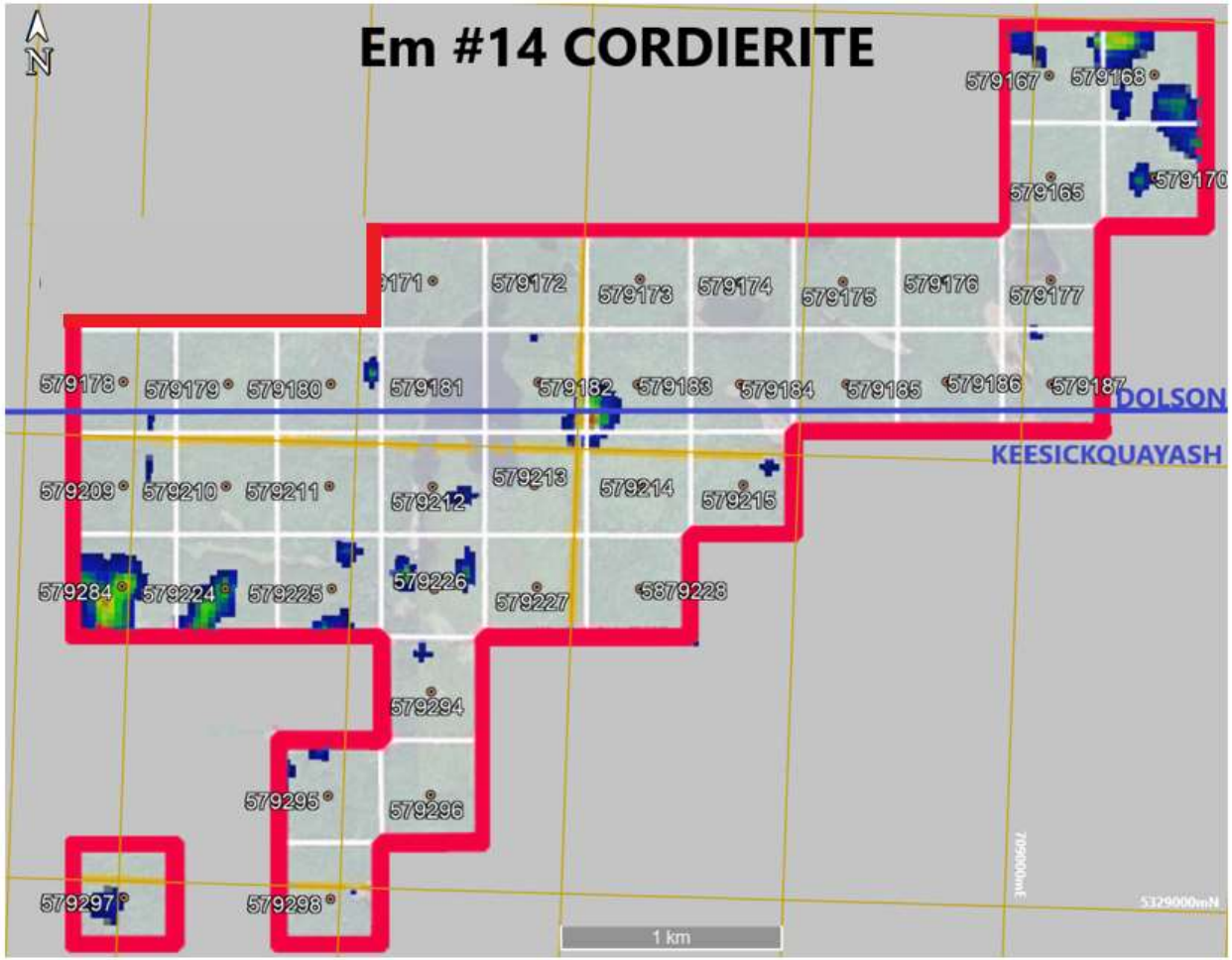

Figure 7.22 Long Wave Infrared Survey: Cordierite Abundance Map

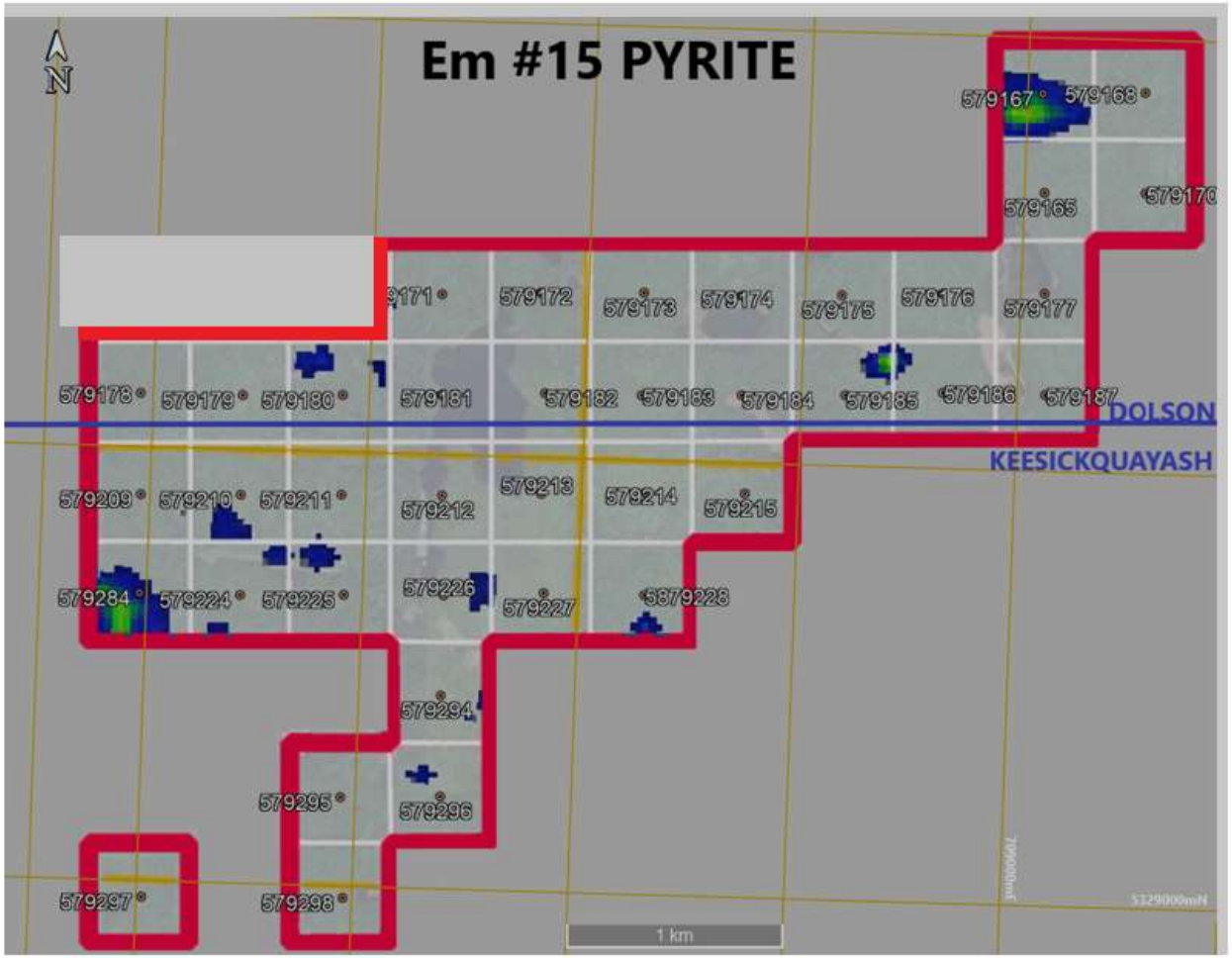

Figure 7.23 Long Wave Infrared Survey: Pyrite Abundance Map

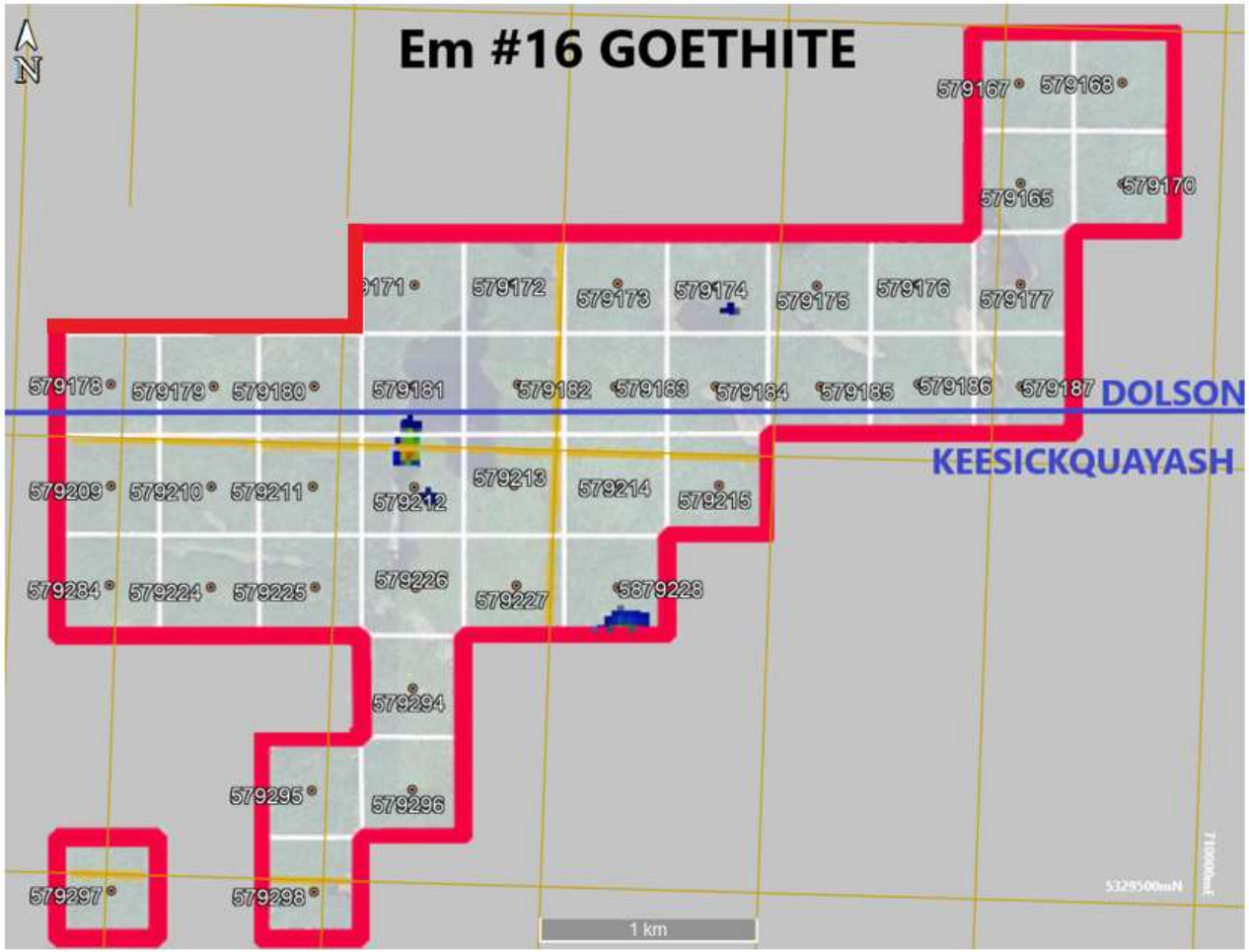

Figure 7.24 Long Wave Infrared Survey: Goethite Abundance Map

Block #3 & Dalton Mills Block

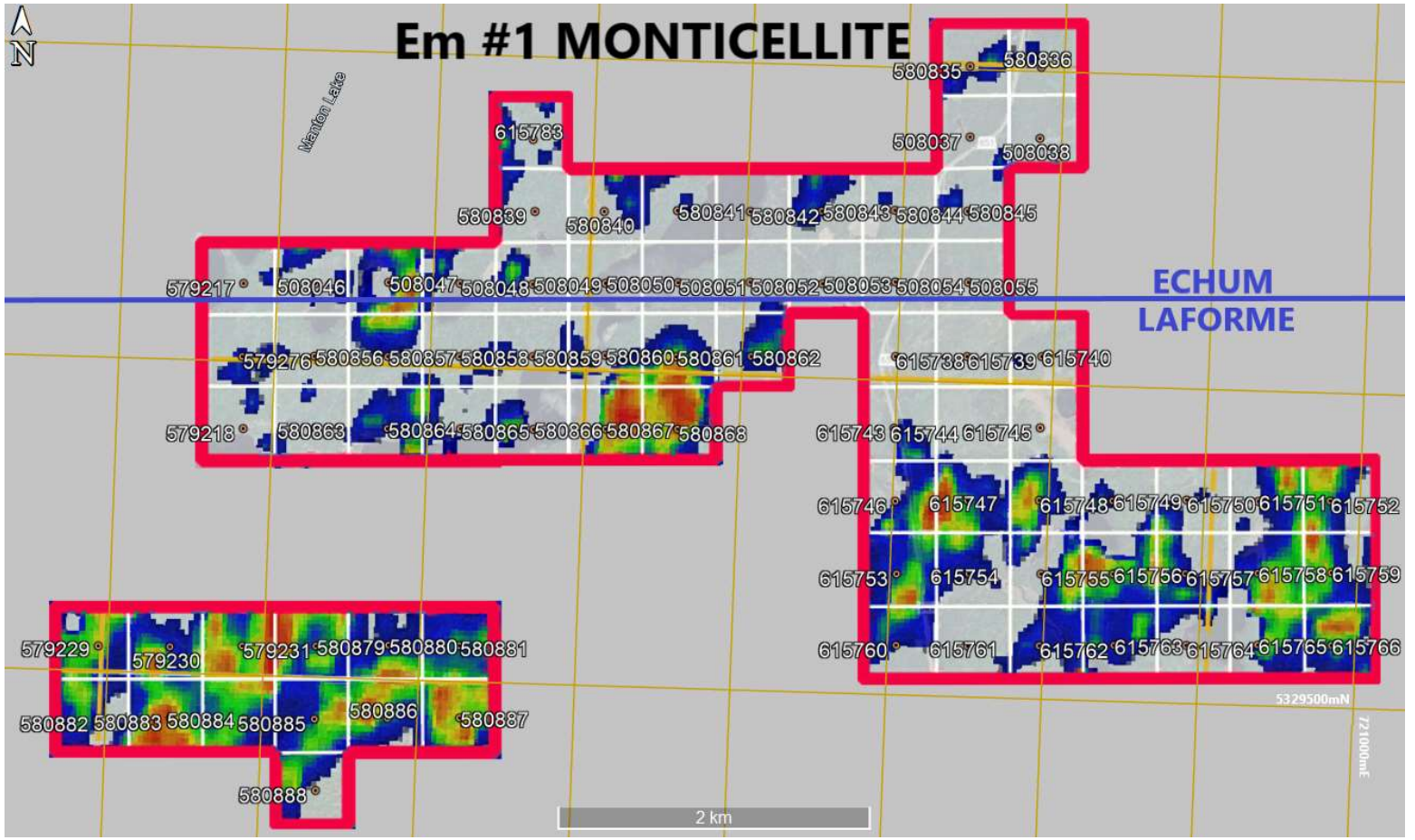

Figure 7.25 Long Wave Infrared Survey: Monticellite Abundance Map

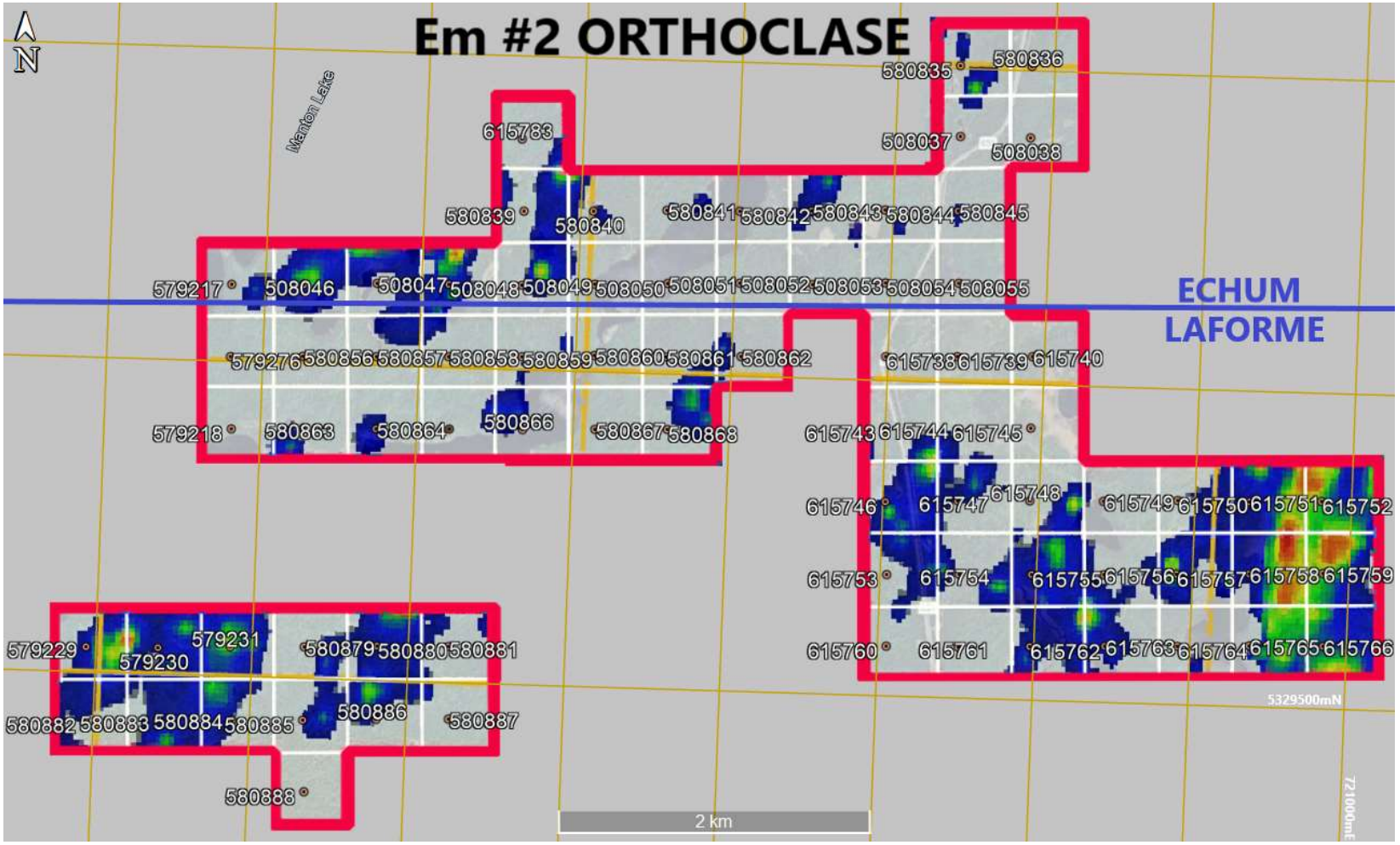

Figure 7.26 Long Wave Infrared Survey: Orthoclase Abundance Map

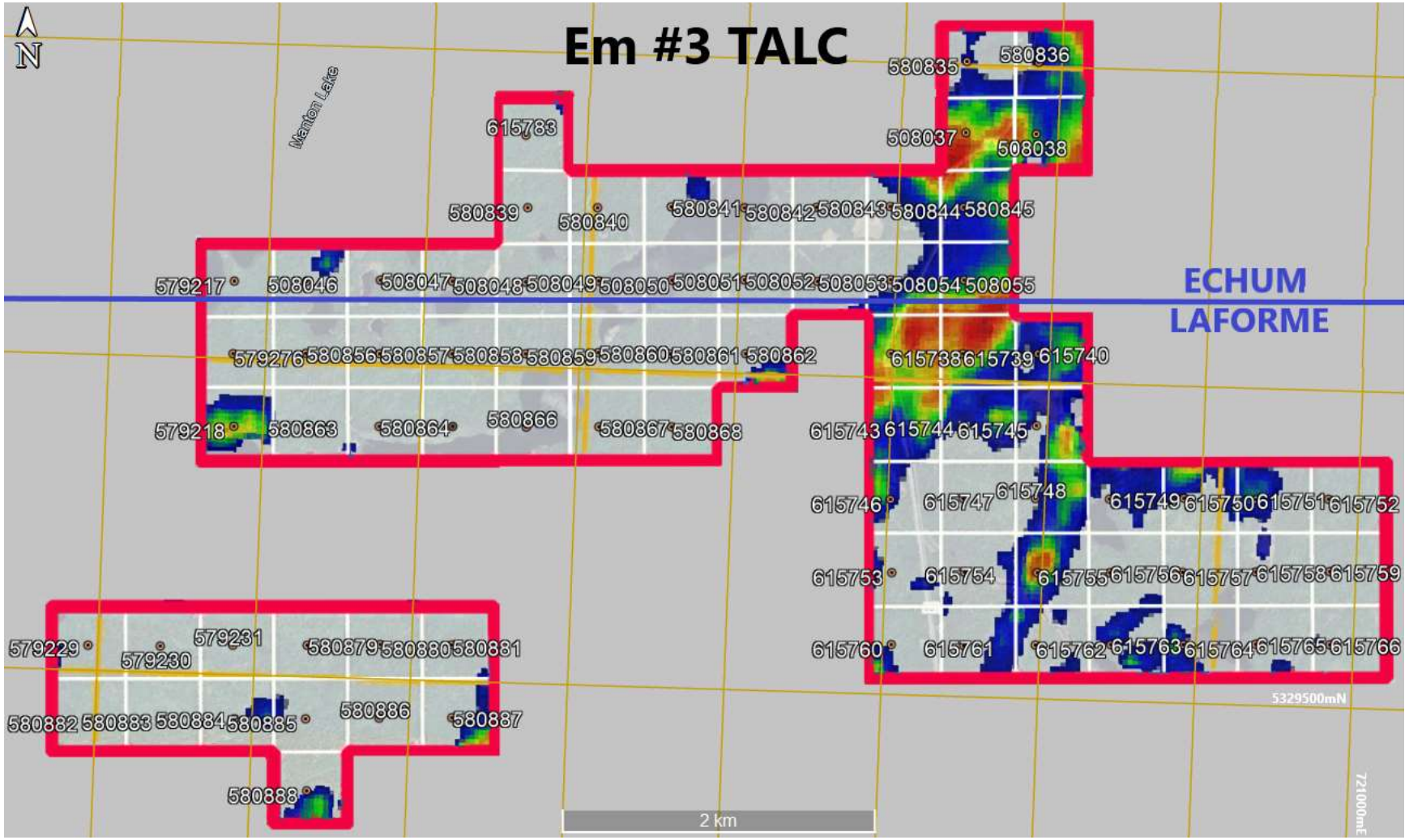

Figure 7.27 Long Wave Infrared Survey: Talc Abundance Map

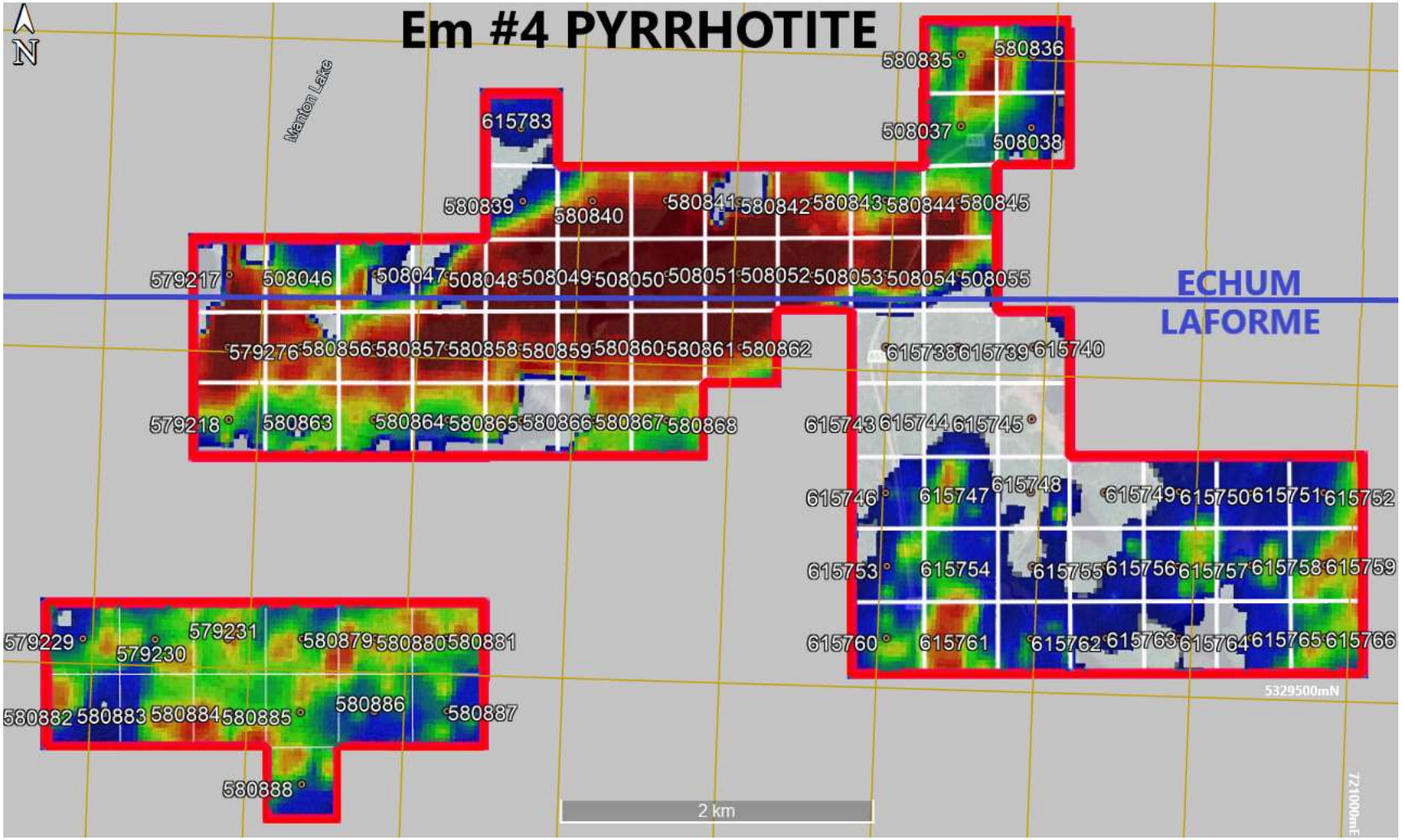

Figure 7.28 Long Wave Infrared Survey: Pyrrhotite Abundance Map

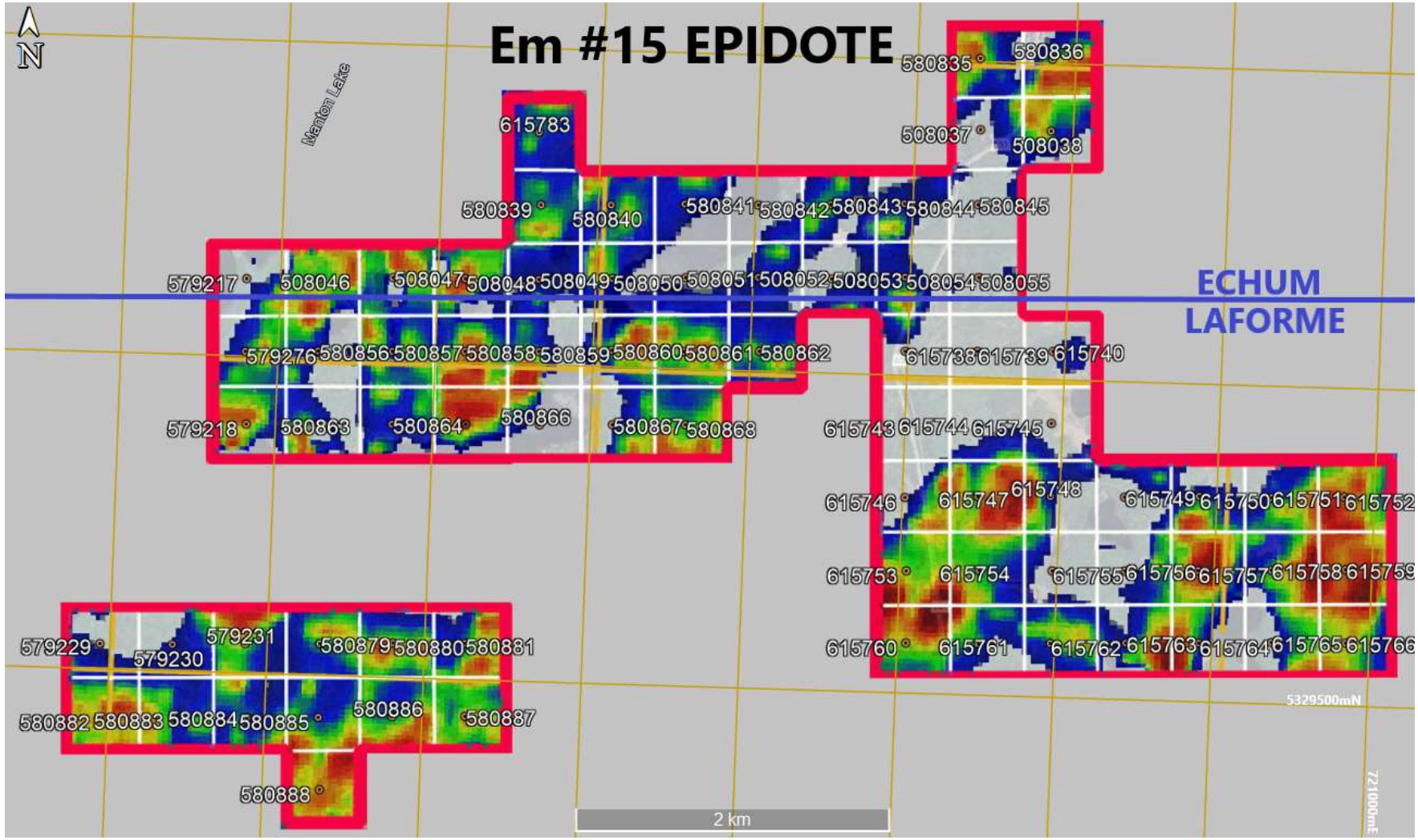

Figure 7.29 Long Wave Infrared Survey: Epidote Abundance Map

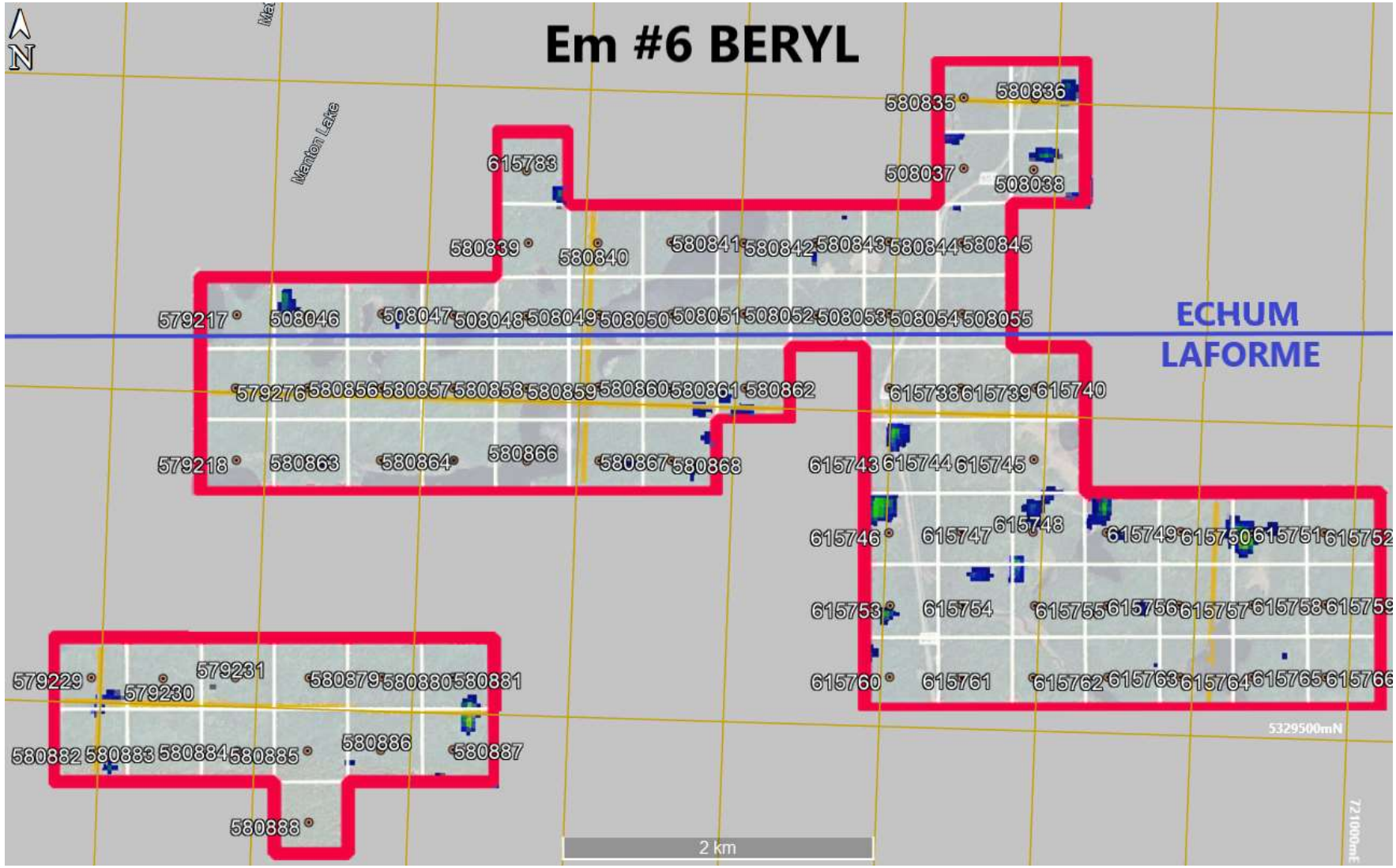

Figure 7.30 Long Wave Infrared Survey: Beryl Abundance Map

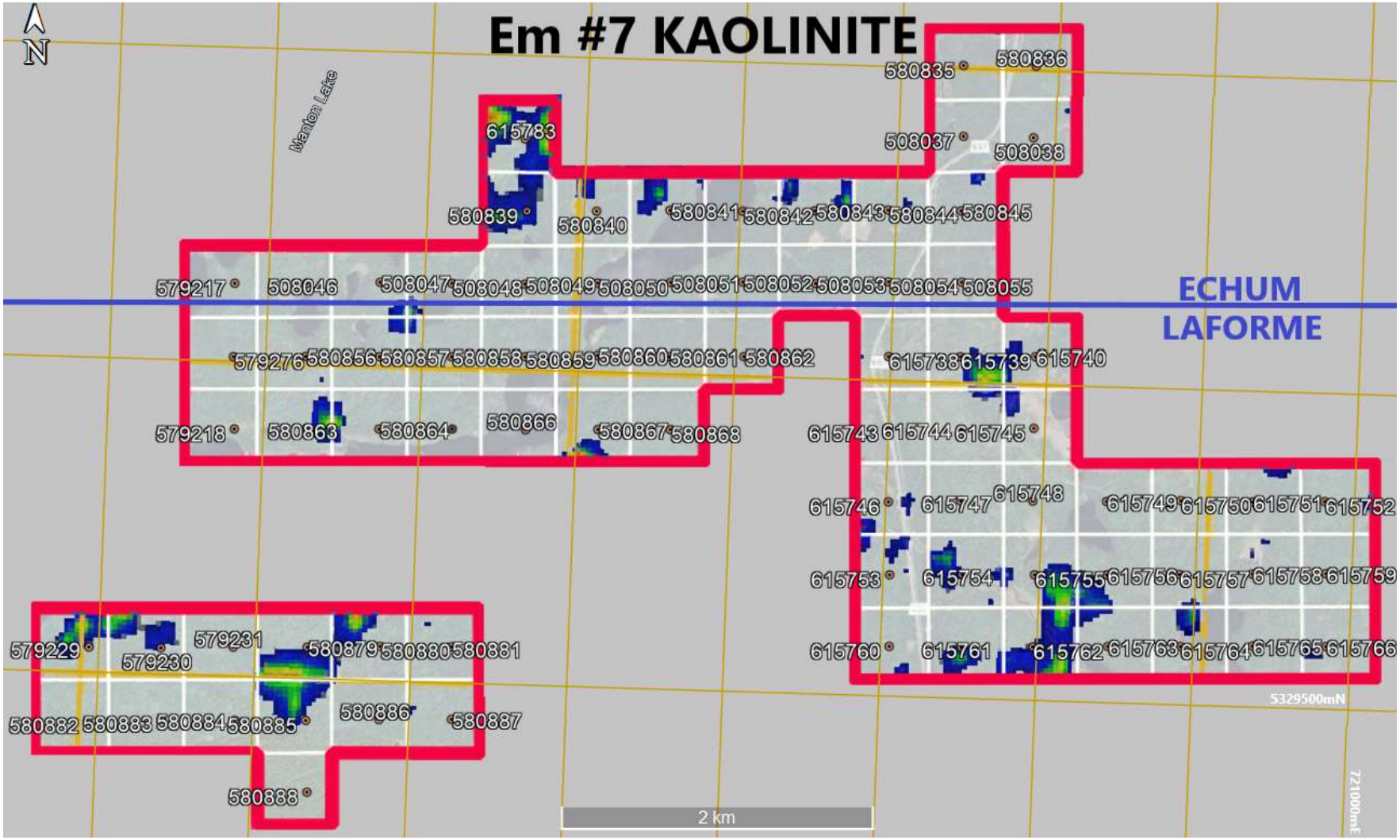

Figure 7.31 Long Wave Infrared Survey: Kaolinite Abundance Map

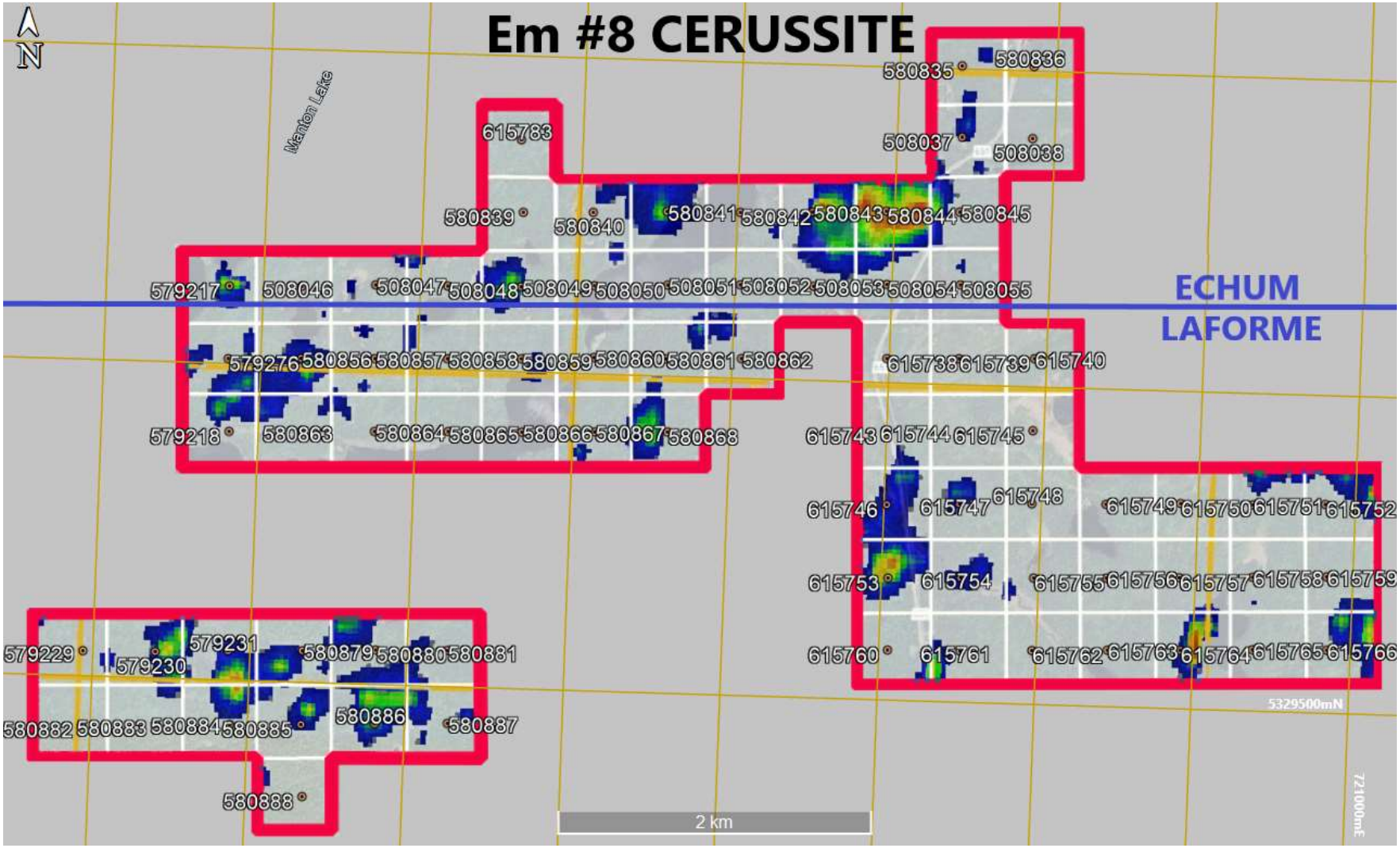

Figure 7.32 Long Wave Infrared Survey: Cerussite Abundance Map

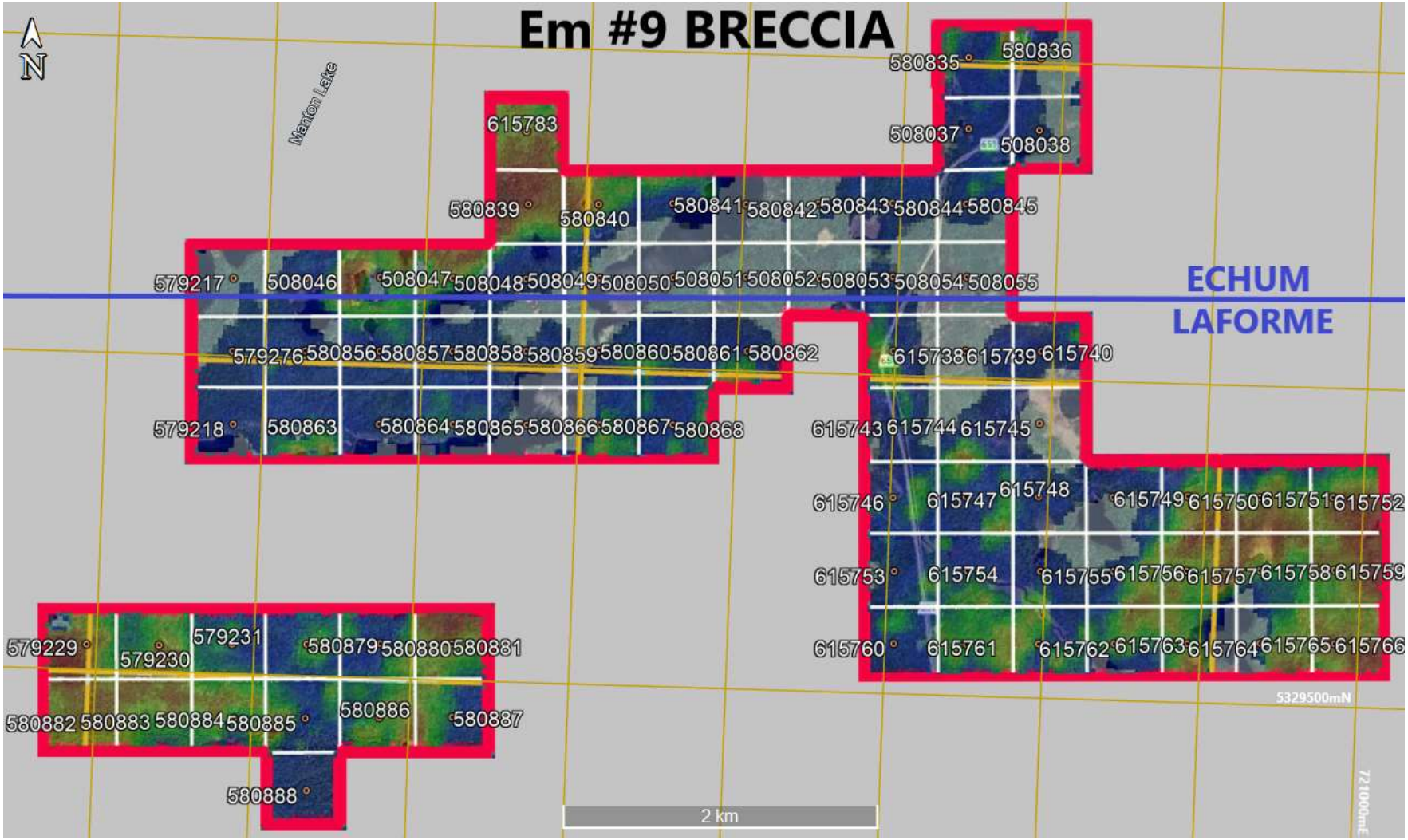

Figure 7.33 Long Wave Infrared Survey: Breccia Abundance Map

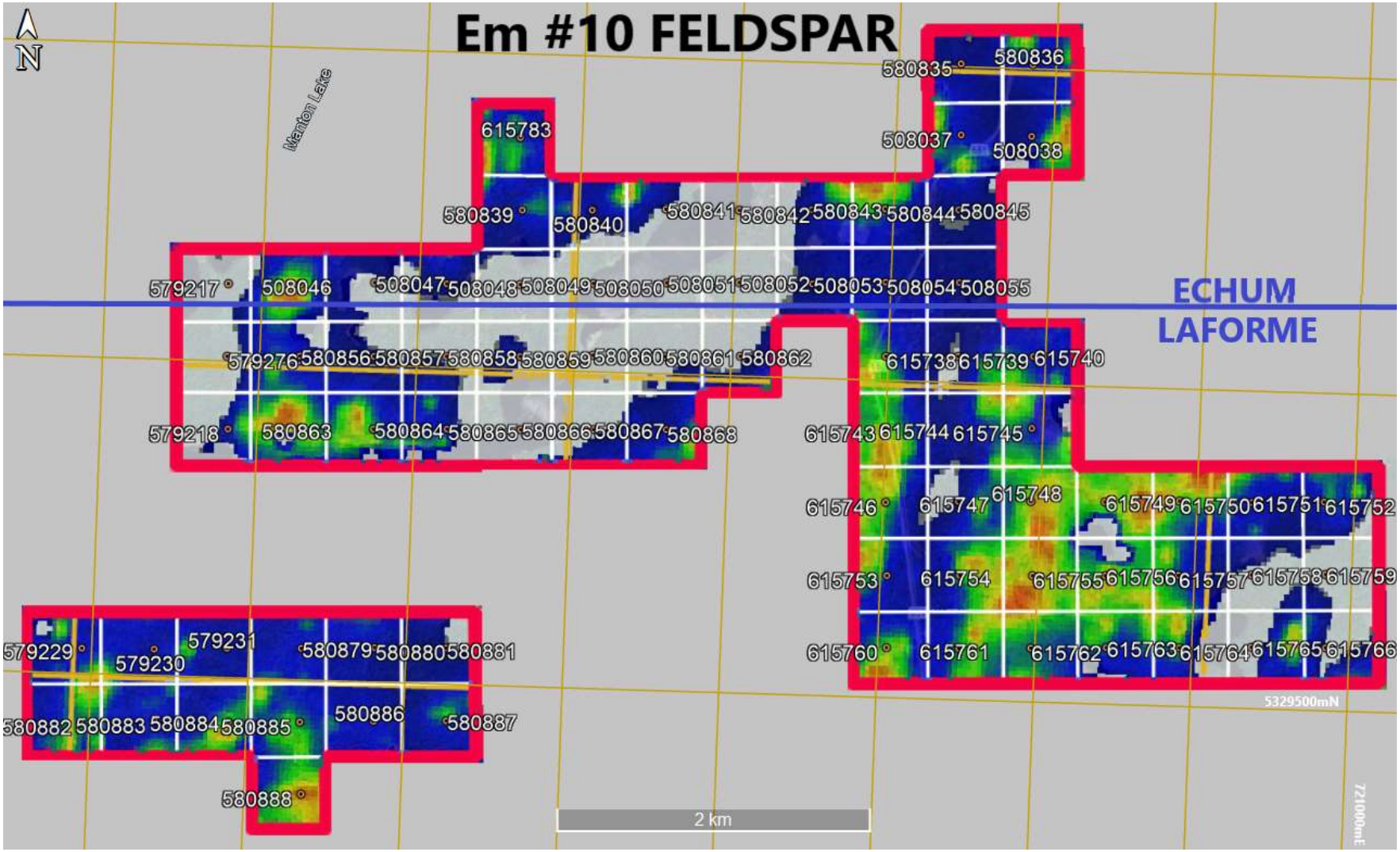

Figure 7.34 Long Wave Infrared Survey: Feldspar Abundance Map

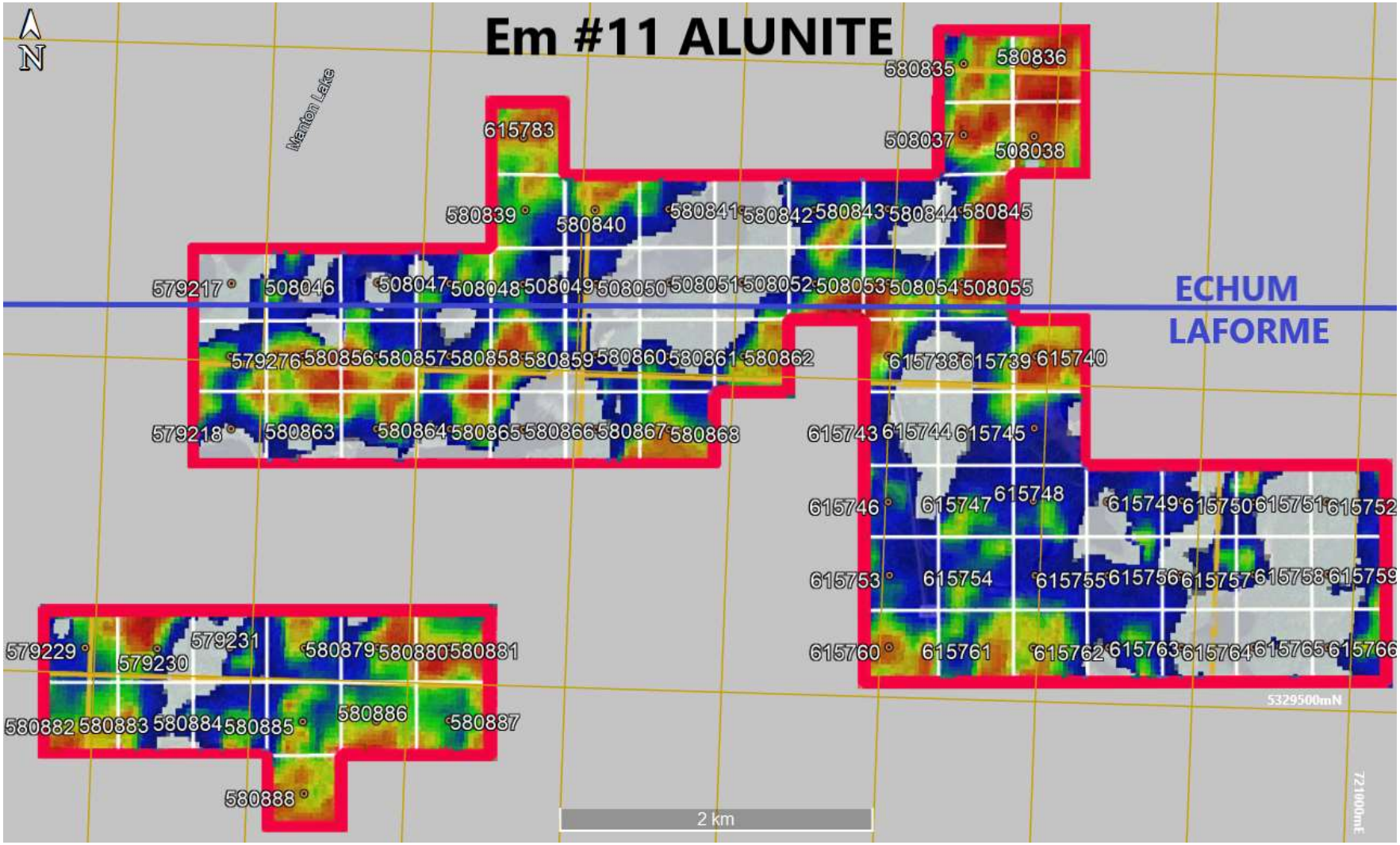

Figure 7.35 Long Wave Infrared Survey: Alunite Abundance Map

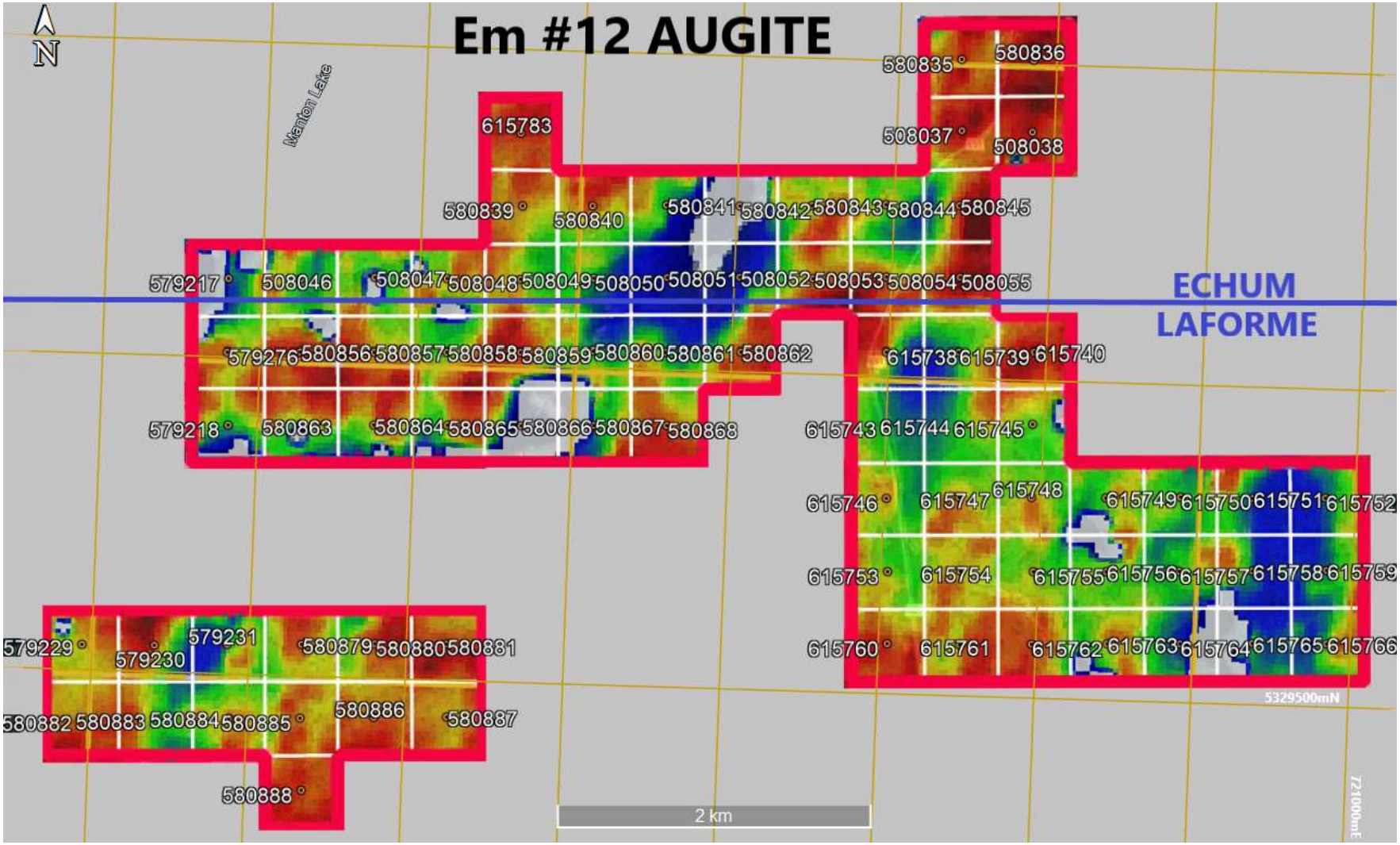

Figure 7.36 Long Wave Infrared Survey: Augite Abundance Map

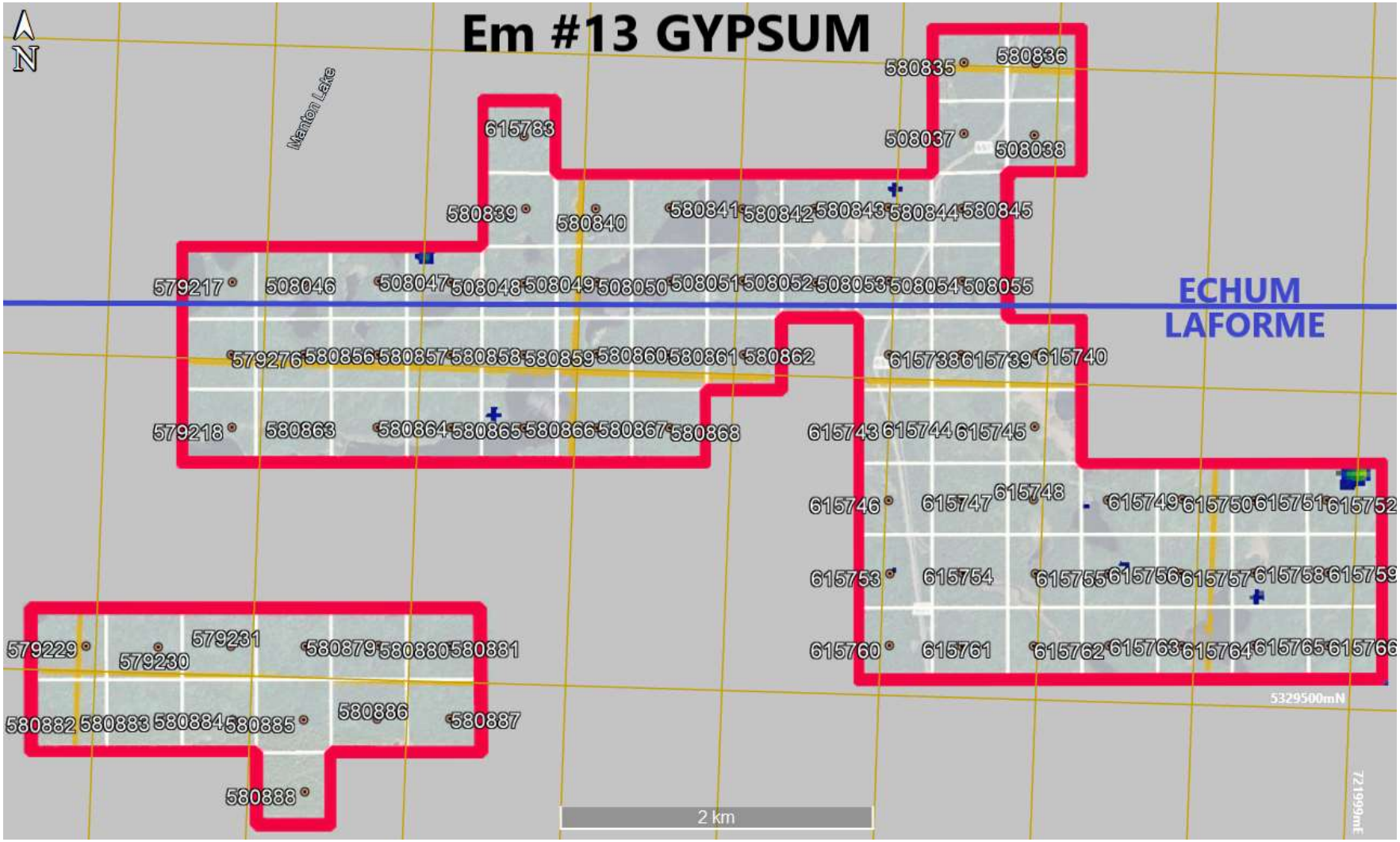

Figure 7.37 Long Wave Infrared Survey: Gypsum Abundance Map

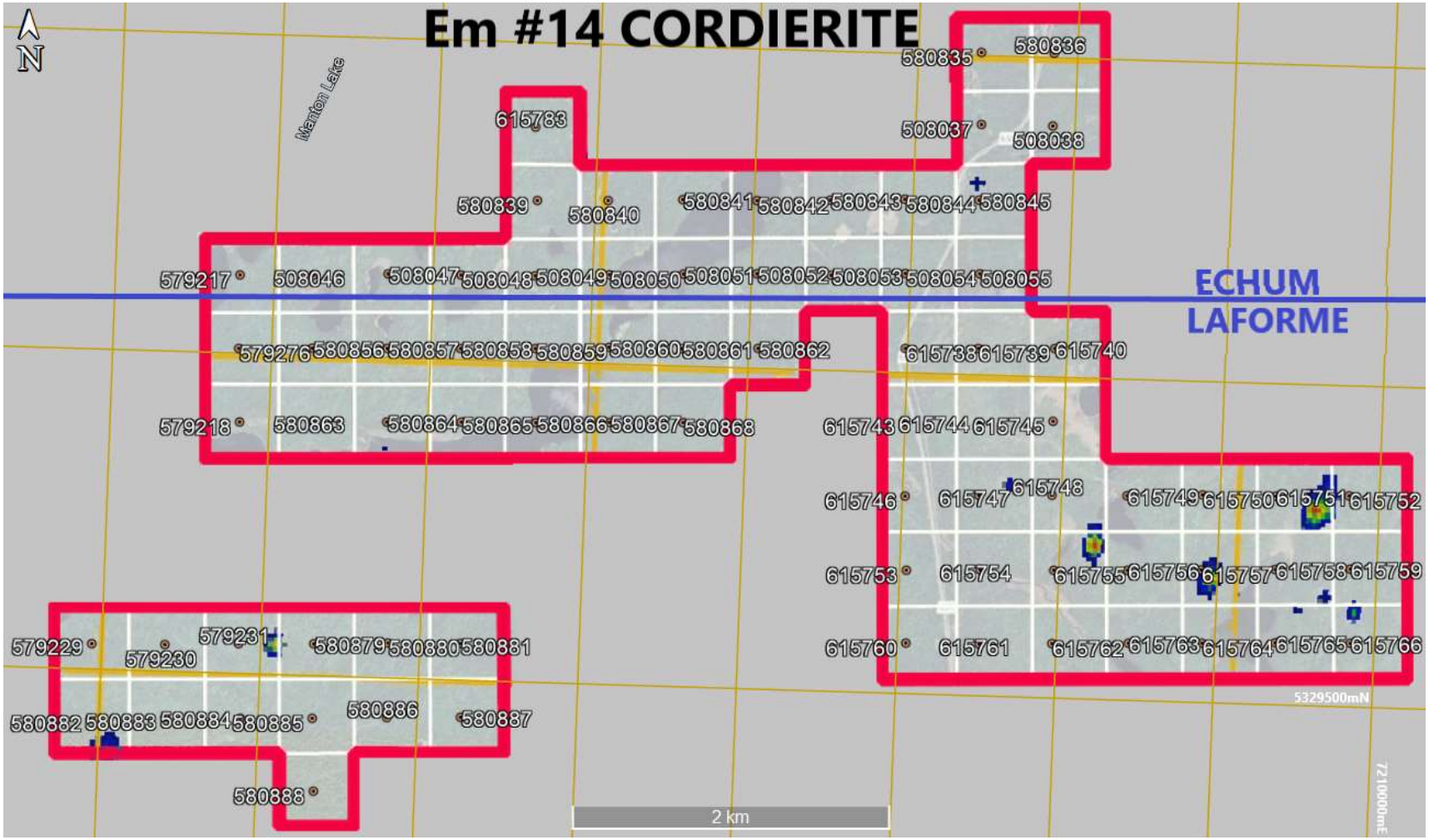

Figure 7.38 Long Wave Infrared Survey; Cordierite Abundance Map

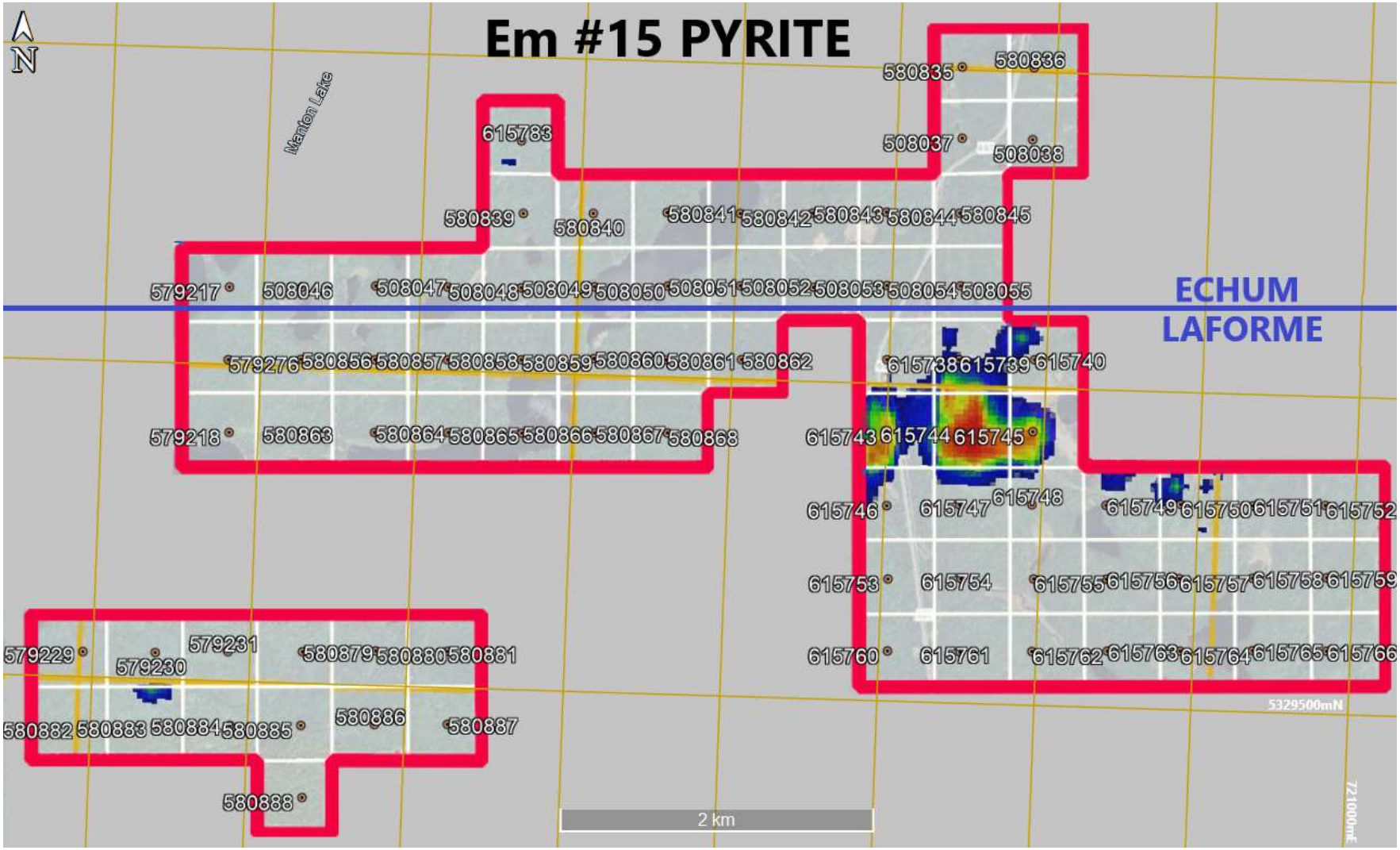

Figure 7.39 Long Wave Infrared Survey; Pyrite Abundance Map

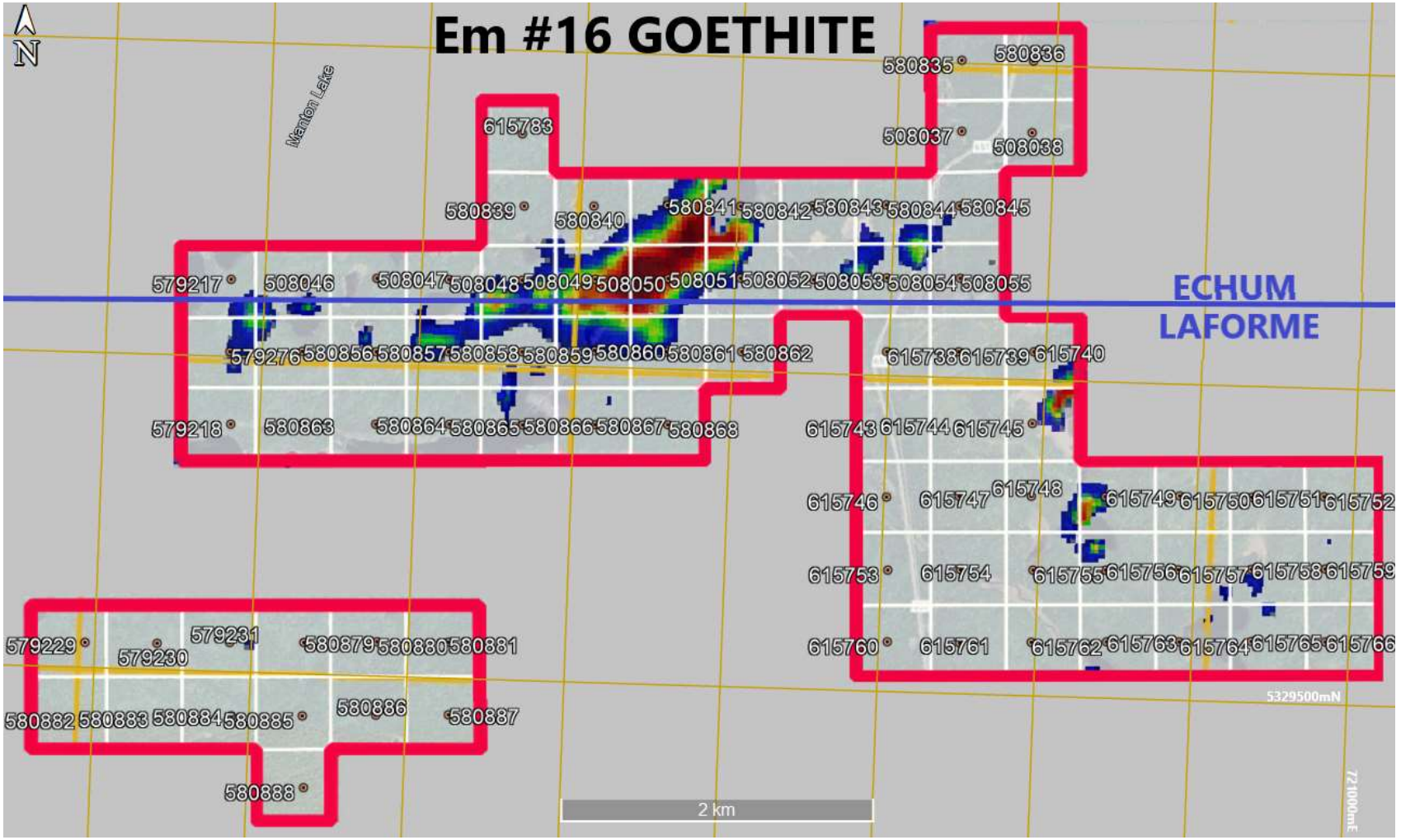

Figure 7.40 Long Wave Infrared Survey; Goethite Abundance Map

Block #1

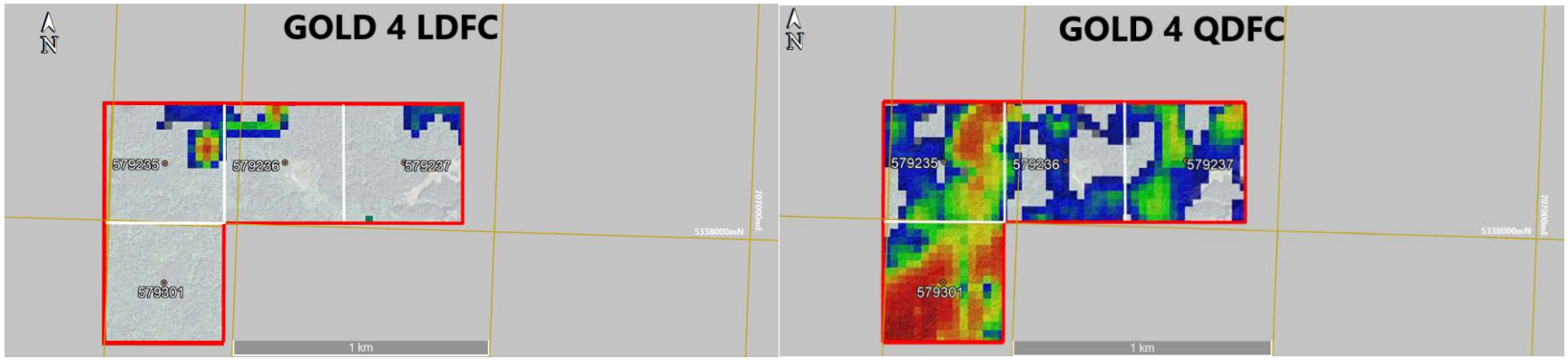

Figure 7.41 Gold LDFC Predictor Target Map and Gold QDFC Predictor Target Map – Trained on 4 Deposits

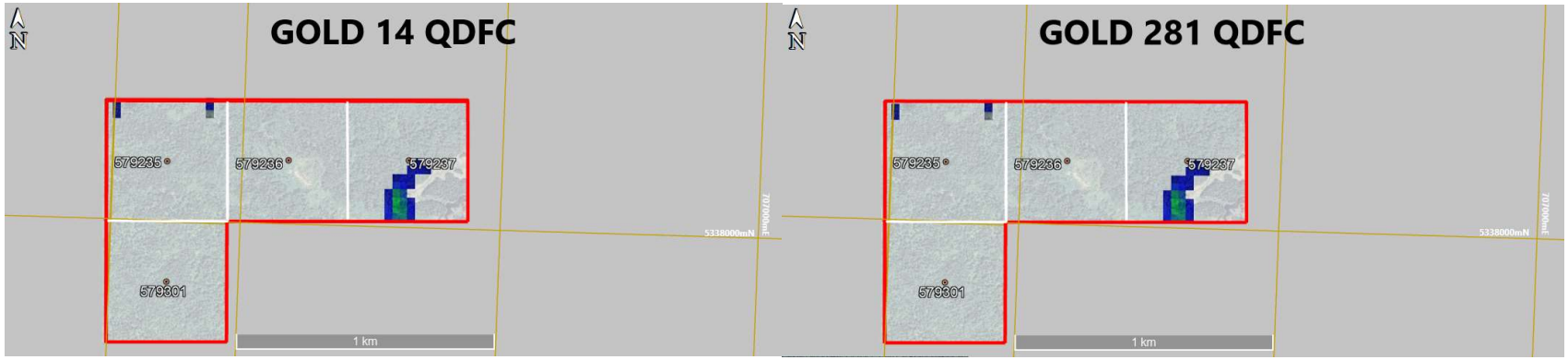

Figure 7.42 Gold QDFC Predictor Target Map (14 Trainers) and Gold QDFC Predictor Target Map Trained on 281 Occurrences

Block #2 & Block #4

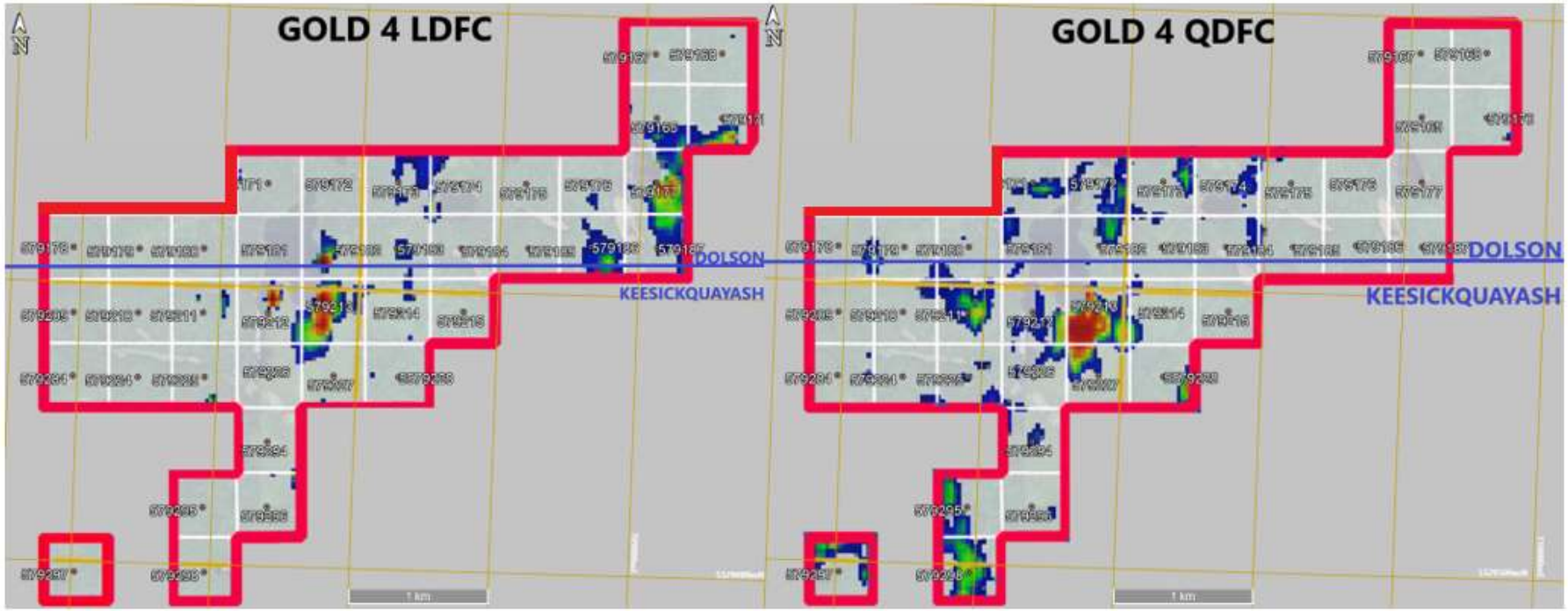

Figure 7.43 Gold LDFC Predictor Target Map and Gold QDFC Predictor Target Map – Trained on 4 Deposits

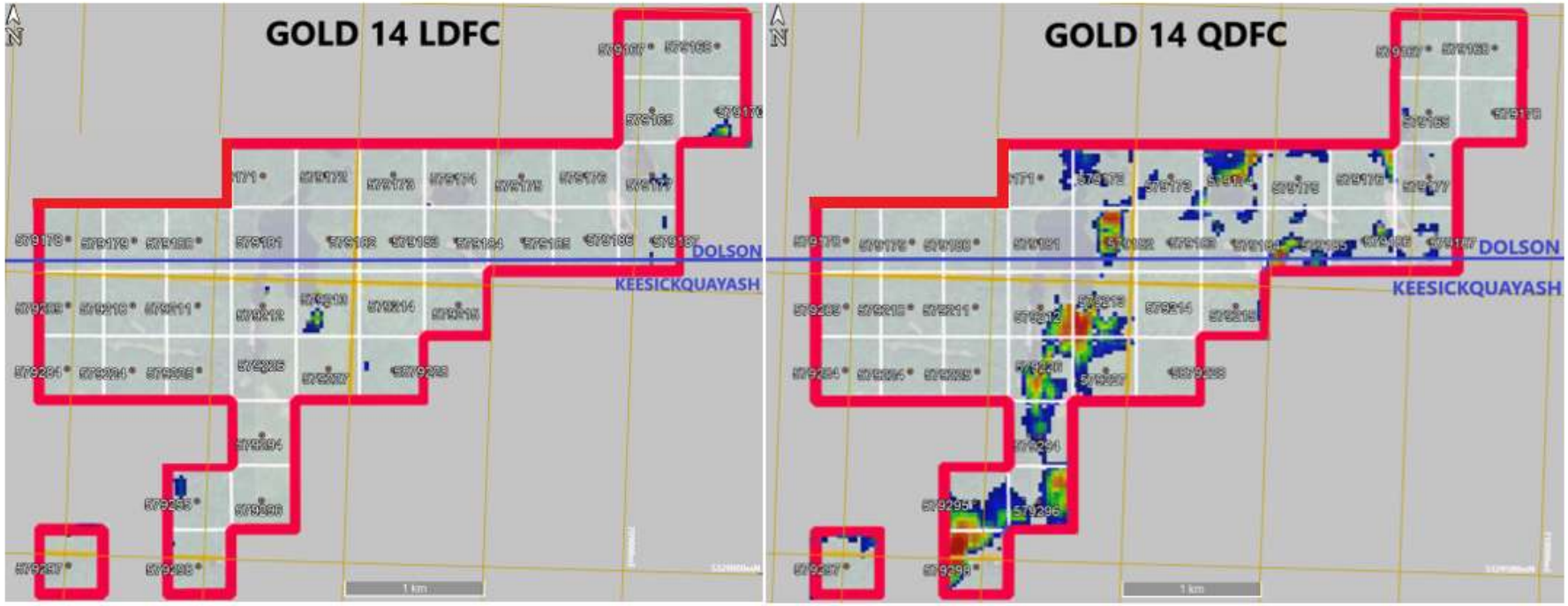

Figure 7.44 Gold LDFC Predictor Target Map and Gold QDFC Predictor Target Map Trained on 14 Deposits

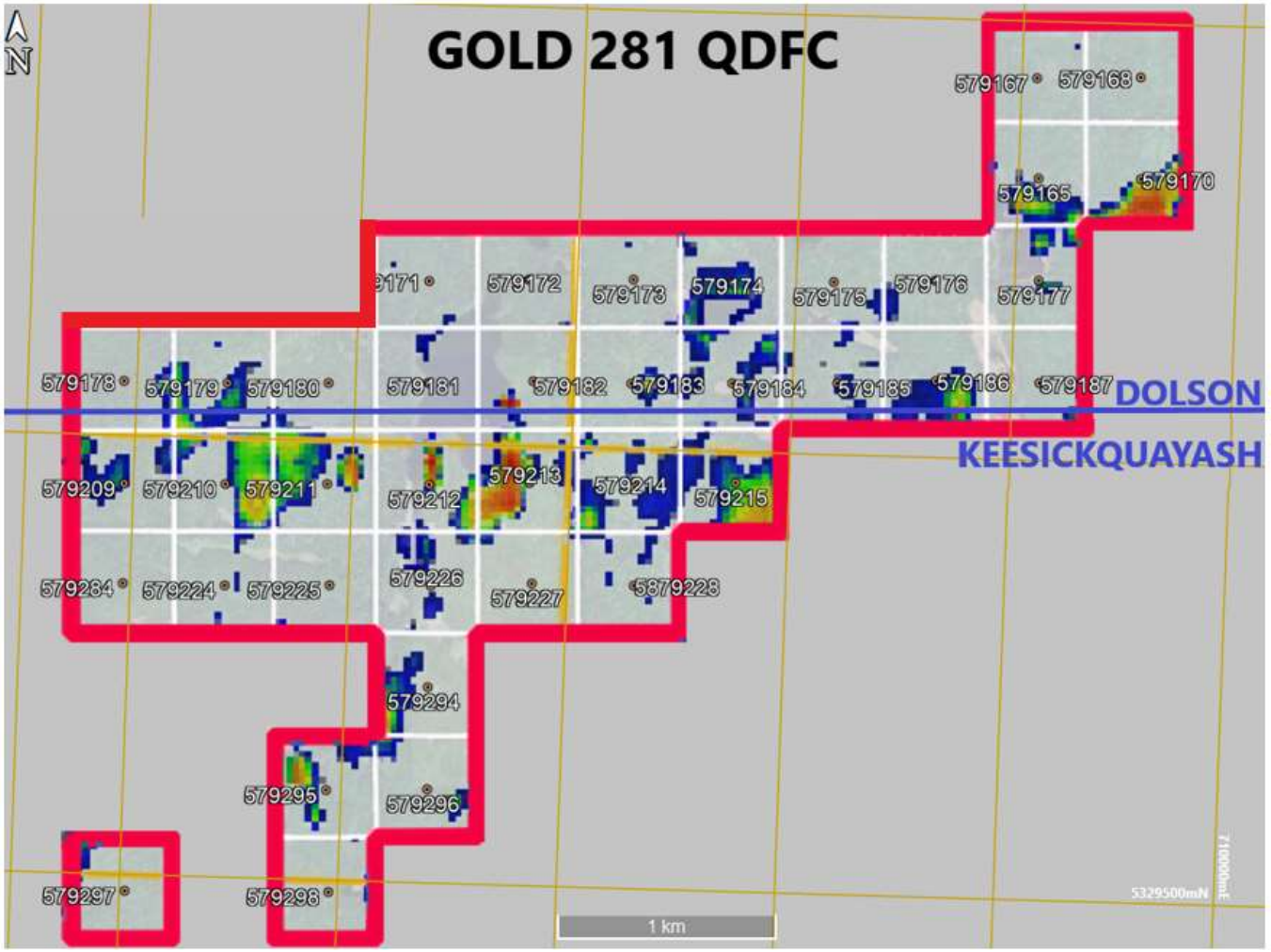

Figure 7.45 Gold QDFC Predictor Target Map – Trained on 281Occurrences

Dalton Mills Block & Block #3

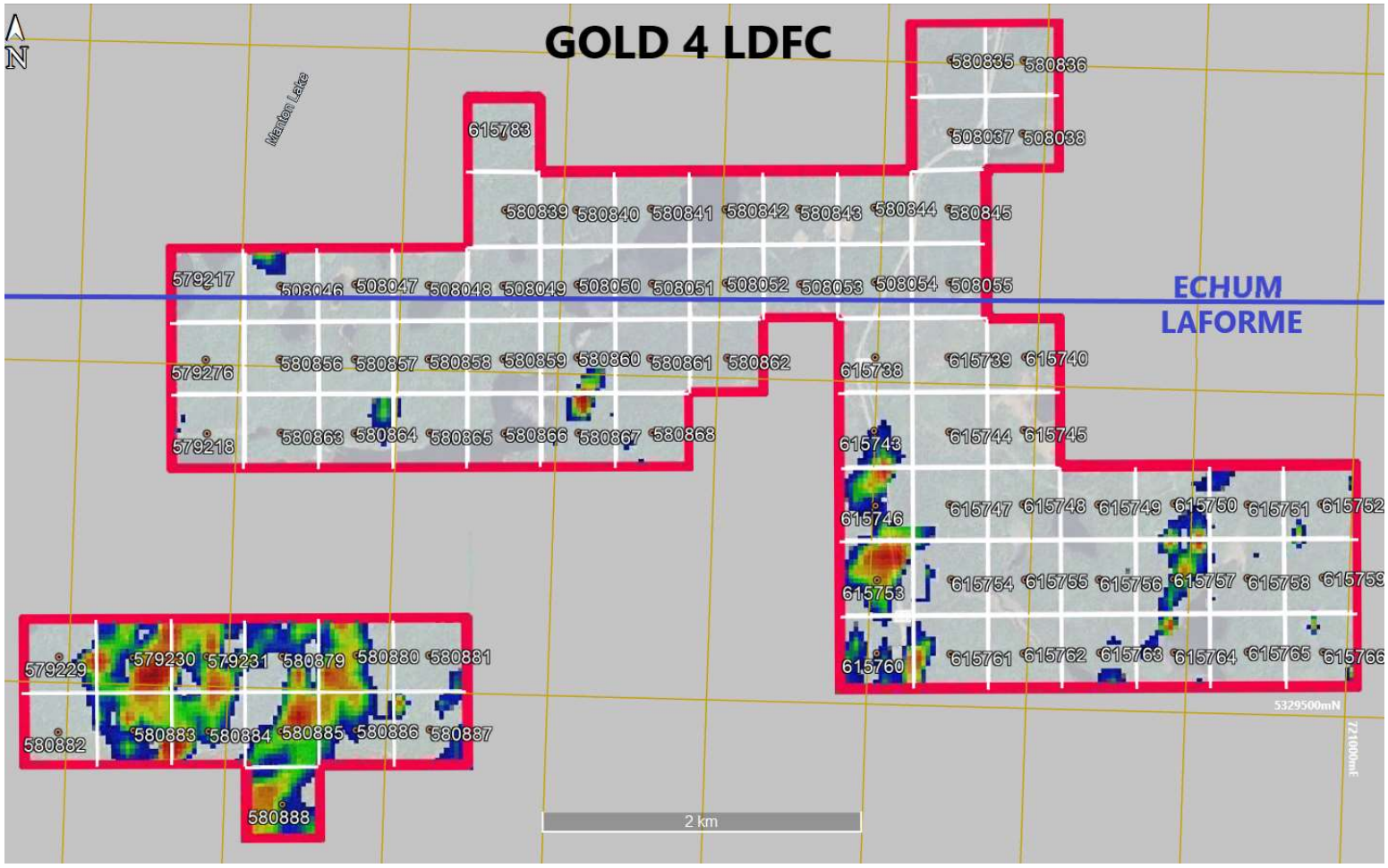

Figure 7.46 Gold LDFC Predictor Target Map – Trained on 4 Deposits

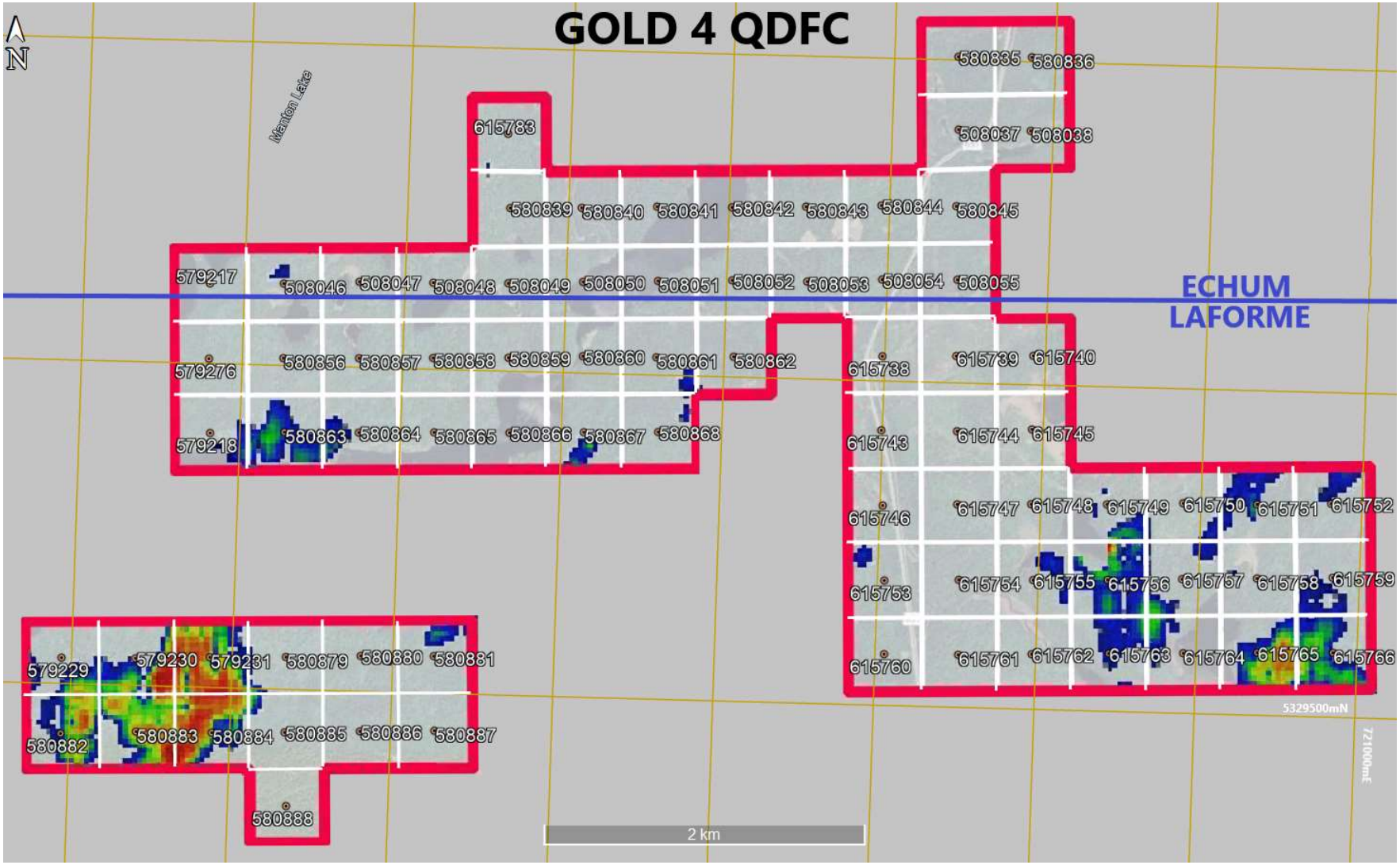

Figure 7.47: Gold LDFC Predictor Target Map – Trained on 4 Deposits

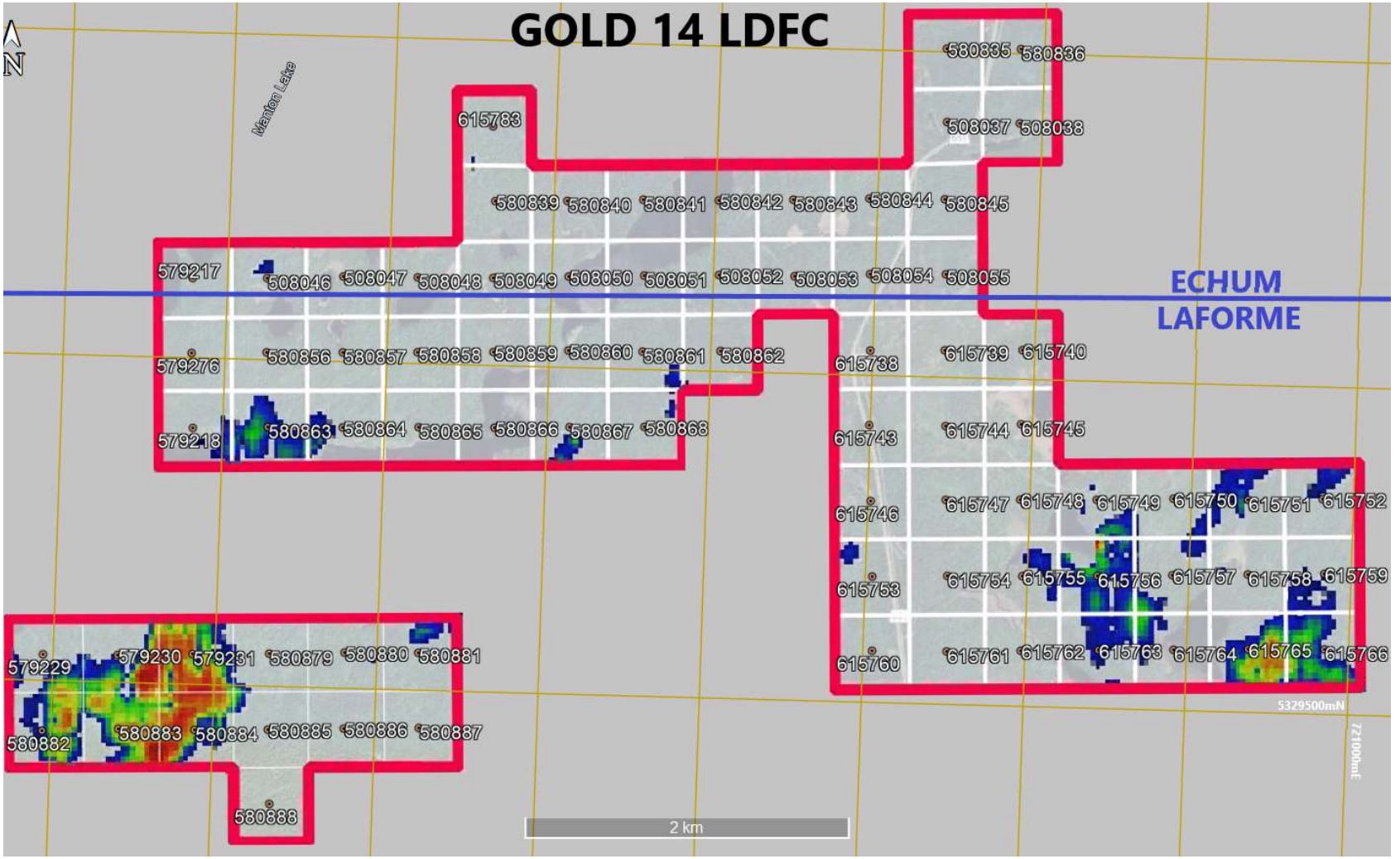

Figure 7.48 Gold LDFC Predictor Target Map Trained on 14 Deposits

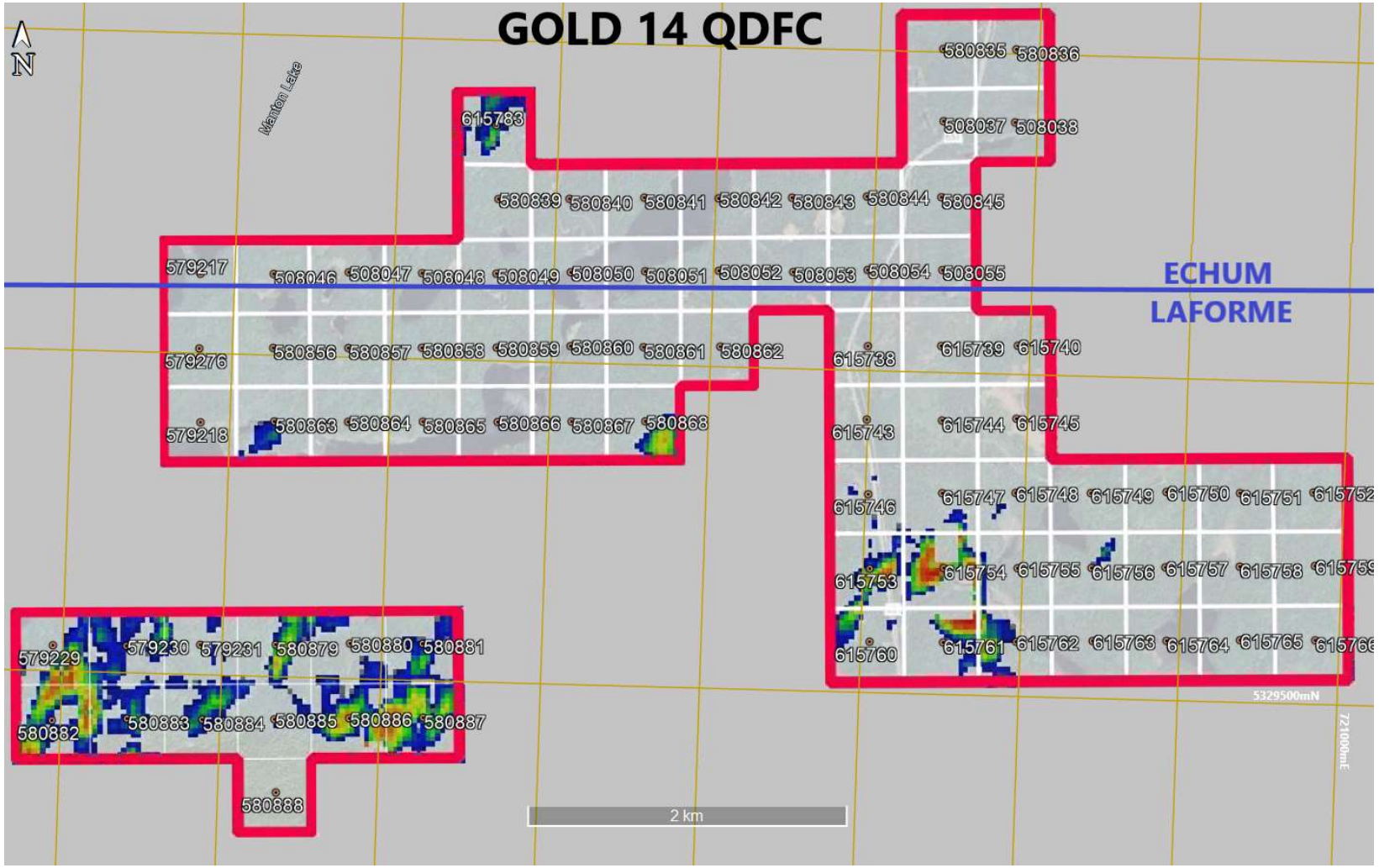

Figure 7.49 Gold QDFC Predictor Target Map Trained on 14 Deposits

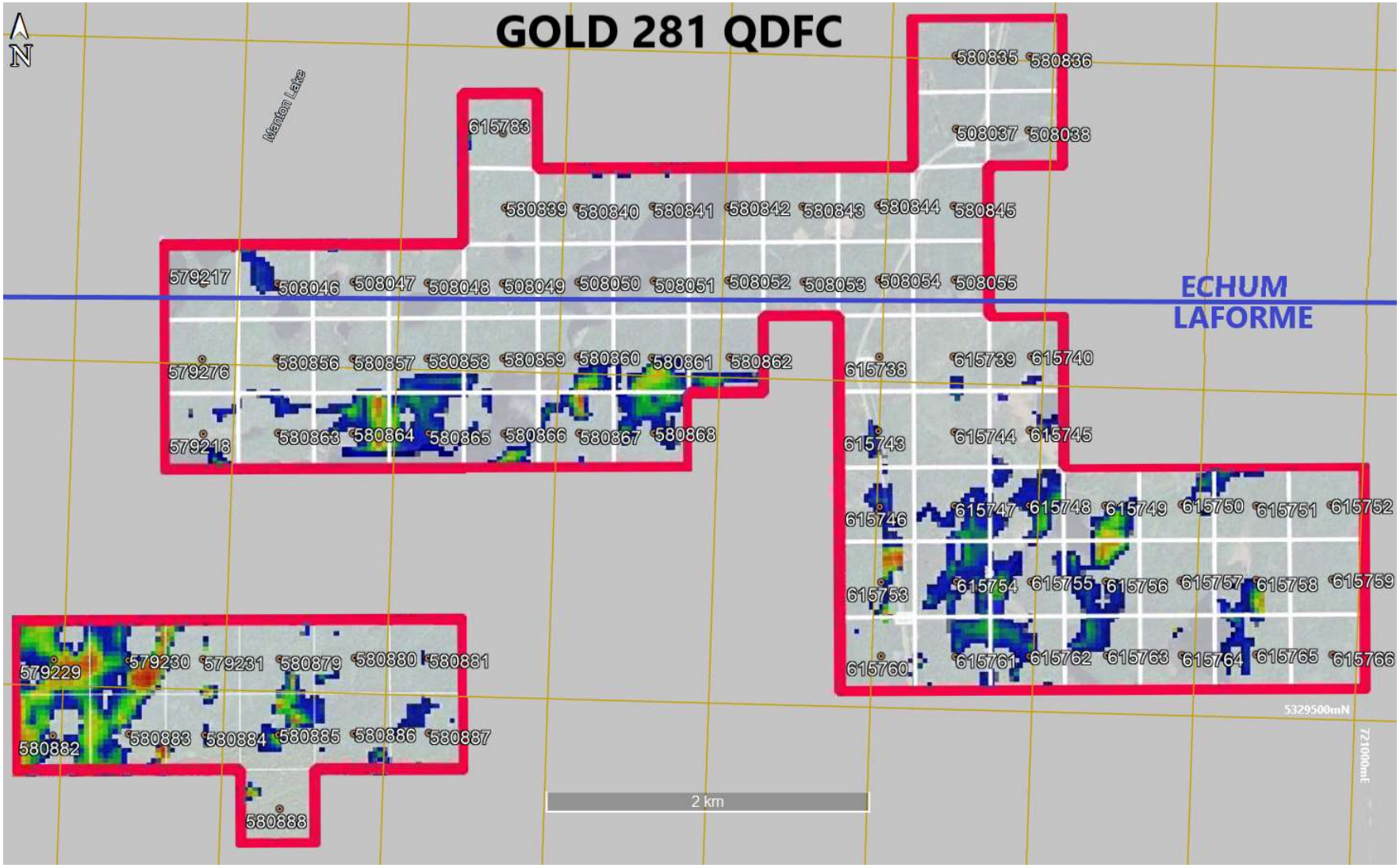

Figure 7.50 Gold QDFC Predictor Target Map – Trained on 281Occurrences

7.3 Prospecting and Sampling

A number of trips were made to the Dalton Claims area for reconnaissance prospecting and to determine access status for Blocks #1, #3 and #4 in June 2020; between September 24th to September 27th 2020 and October 31st 2021. Detailed laboratory results are to be found in Appendix II.

Initial rock chip sampling along Hwy 651 returned a 4.51 g/t gold value for one sample from a June 15th 2020 sampling by James Steel P.Geo. Five rock chip samples were taken along a 550-metre section of outcropping felsic rocks with only the one sample returning any values of interest (Figure 7.51 below plus Appendix I & Appendix II).

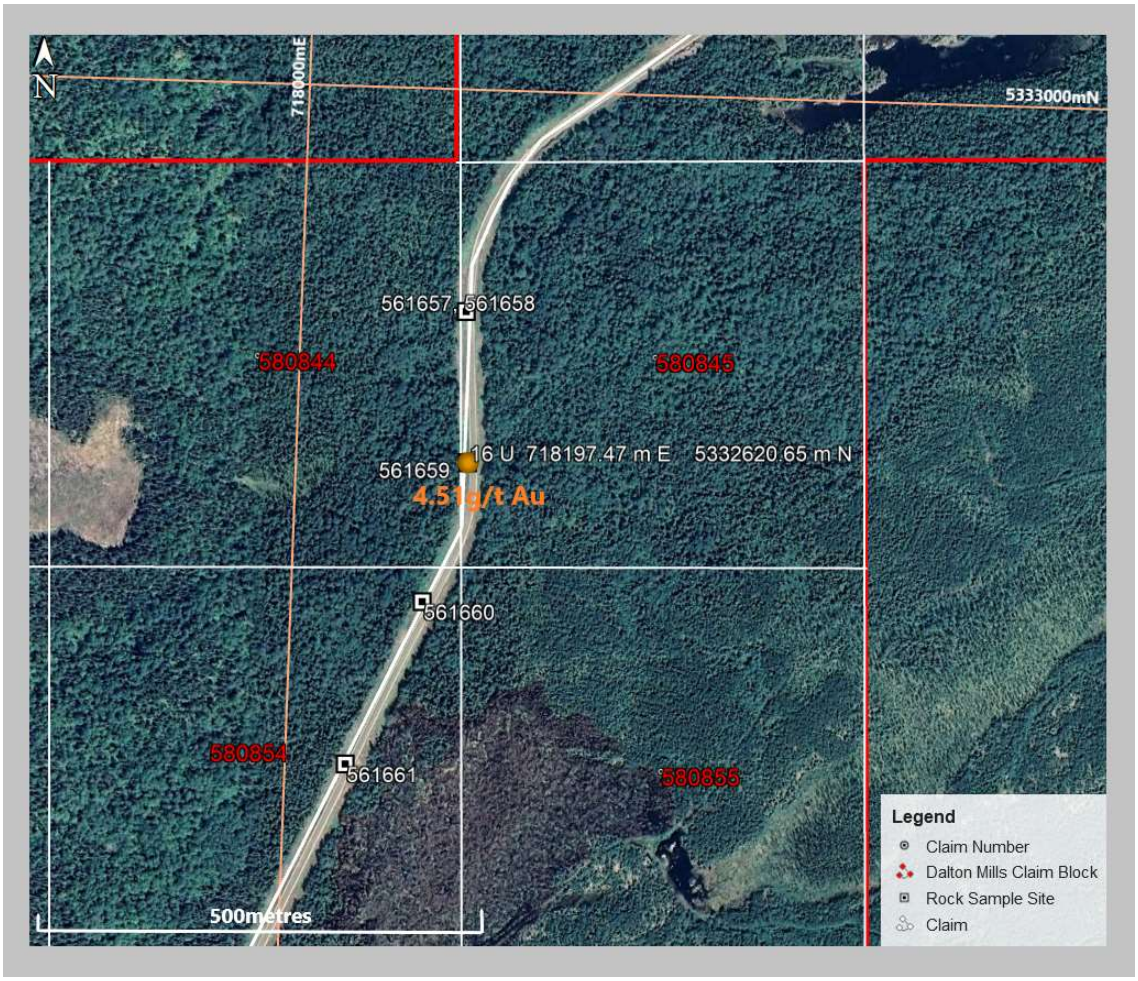

Figure 7.51: Rock Chip Sampling Sites June 15th 2020

It is interesting to note that the sample with the gold values when compared to the other four samples is deficient in 49 elements but elevated in 14 elements including arsenic, stibnite, mercury, silver, lead, calcium, elements associated with mineralizing fluids (Appendix II).

On September 25th 2020 James Steel P. Geo, Fred Archibald P. Geo and John Ryder P. Geo returned and resampled the area including the gold sample site as seen in Figure 7.52 below. A total of nine rock chip samples were taken over the same area as the initial sampling in June 2020 (Figure 7.53). The repeat sample of the gold site did not confirm the original sample result. The sample site locations and sample descriptions are to be found in Appendix I.

Samples 561671 and 561672 returned elevated mercury at 300ppb while sample 561672 also had elevated copper (100ppm) and zinc (194ppm) compared to the rest of the samples. Overall the samples taken north of the "gold sample" are noticeably lower in Hg, Mn, Fe, Cu, Zn, Pb, Mo, Sb, Cd and W compared to the sampled "reddish syenitic "felsic rocks to the south (Appendix II).

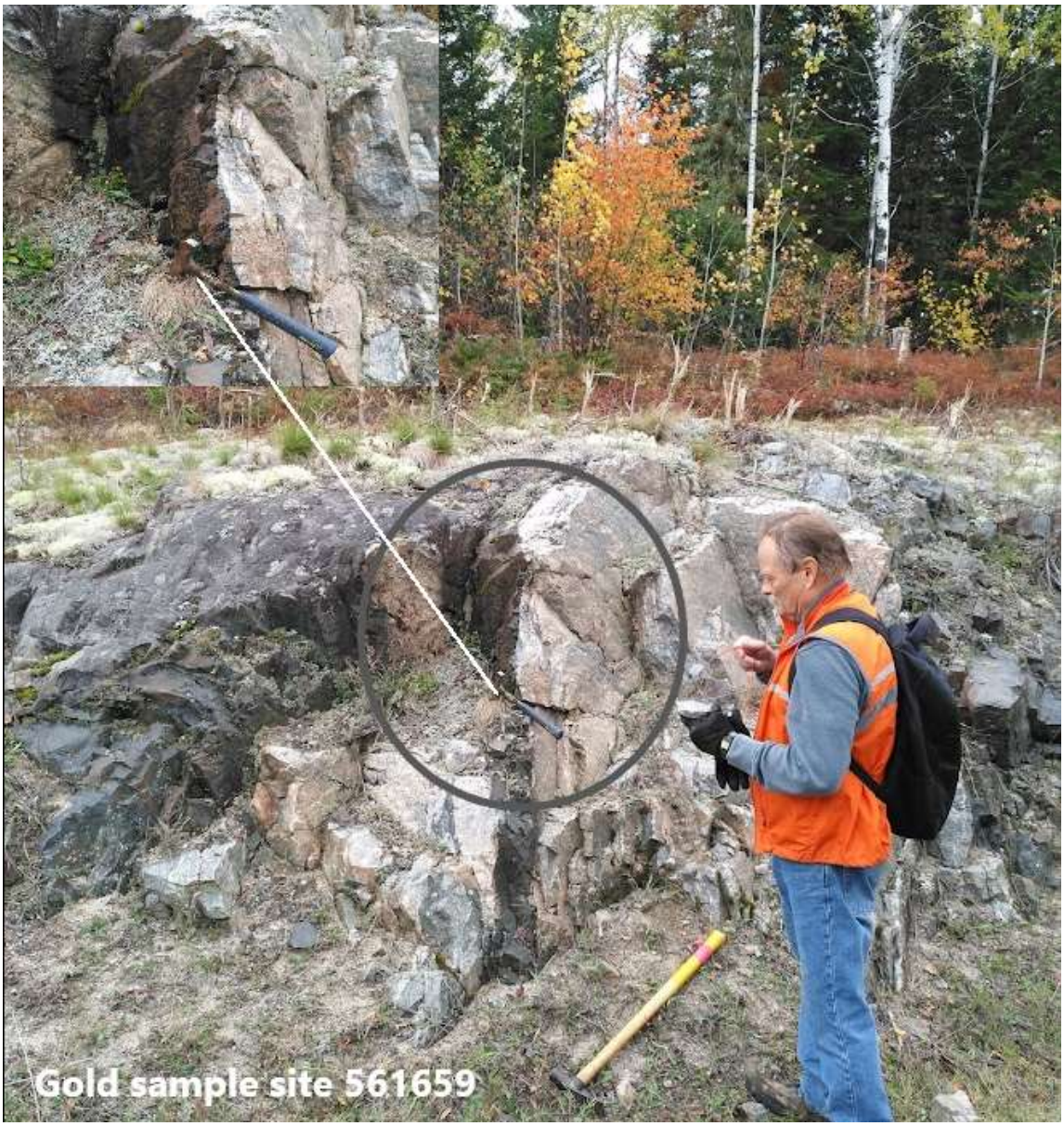

Figure 7.52: F. Archibald P. Geo at Site #561659/#561667

In addition to the outcrop sampling prospecting either side of the road, some 25 metres in to check for iron staining, faulting, shearing, quartz veined outcrop(s) including dyke/felsic rock contacts was undertaken. No outcrop with theses characteristics observed though a number of boulders of manganese stained, quartz veined

gneissic/ granitic felsic rocks observer near way point close to sample site 56167(original gold sample site). Approximately 1.5 kms prospected as per Figure 7.53 below.

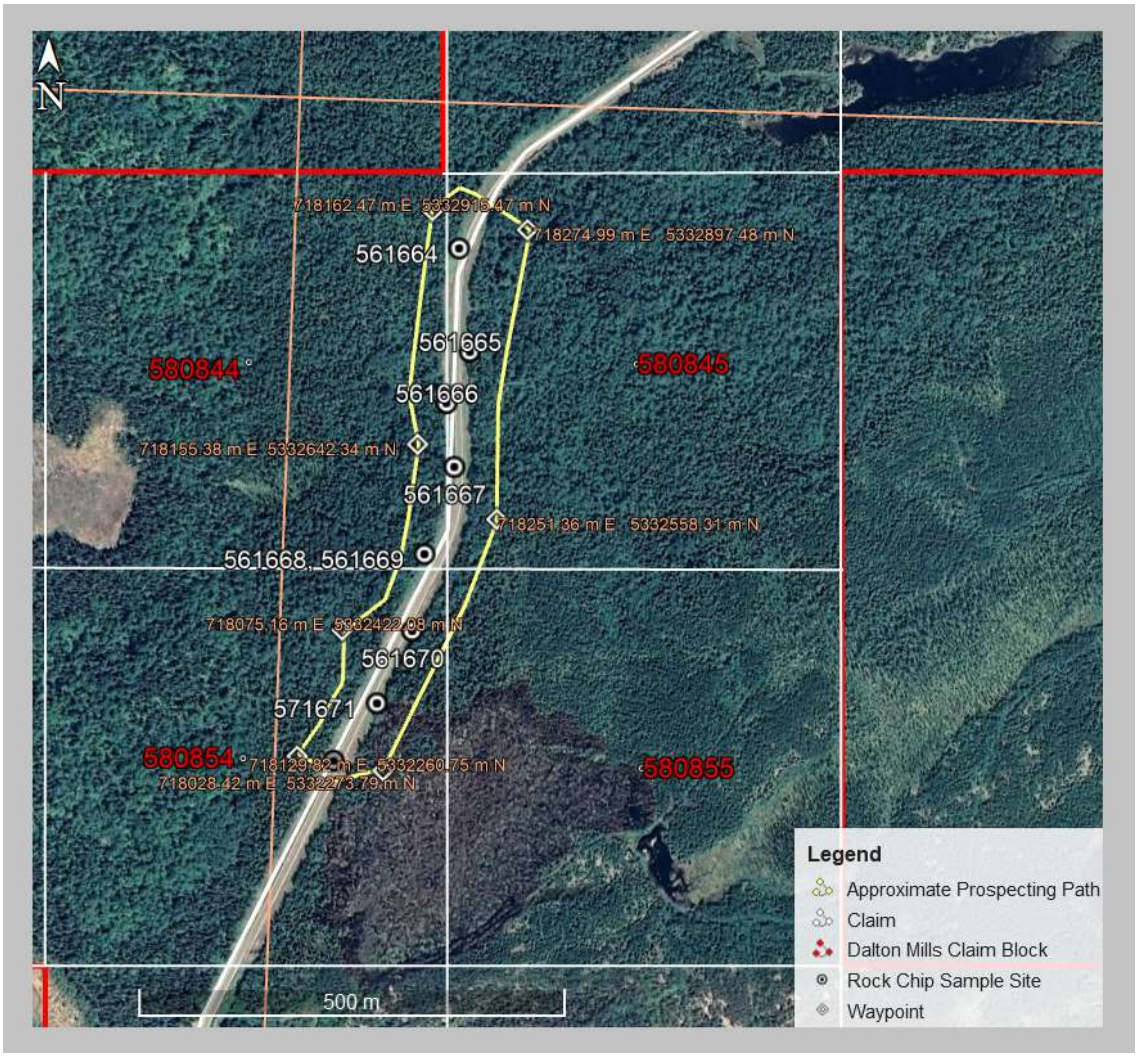

Figure 7.53: Sampling & Prospecting September 25th 2020

On September 26th 2020 reconnaissance access and prospecting was attempted by J. Steel P. Geo and J, Ryder P. Geo for claim blocks #1 and #4. Access was via HWY 651 and logging trails, partially passable by vehicle. Figure 7.54 overleaf shows the route taken to access claim blocks #1 and #4.

On Block #1 after walking on overgrown trails, claim 579237 was traversed to claim 579236 over relatively flat drift covered forested land with scattered granite and mafic volcanic boulders. The 1,500-metre prospecting traverse ended in fluvioglacial fine sands on claim 579236, no outcrops were observed. The aim of the prospecting was to locate presence of Iron Formation rocks in the metasediments and quartz veined metavolcanics.

Block #4 has a similar geology as Block #1though access was more difficult due to dense forest and only a prospecting loop of 600+metres was possible over relatively flat ground on the north west corner of claim 579167. No outcrop observed though most of the trek to the claims was over fluvioglacial gravels and sands.

Detail maps with waypoints are to be found in Appendix III

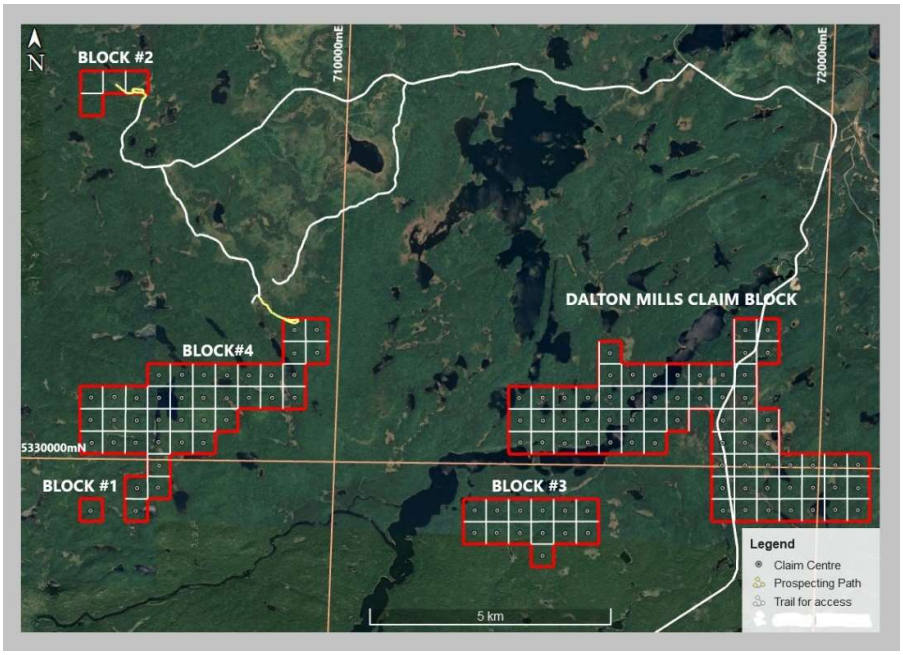

Figure 7.54: Access & Prospecting Blocks #1 & #4 September 26th 2020.

Due to Covid issues the next site visit was on August 1st 2021 to follow up on the 2020 sampling on the Dalton Mills Claim Block (Figure 7.55). The aim of the prospecting by Steel and Ryder was to follow the contact zone that originally returned a gold value of 4.51g/t on either side of the road seeking any outcrop with contacts, faulting and shearing.

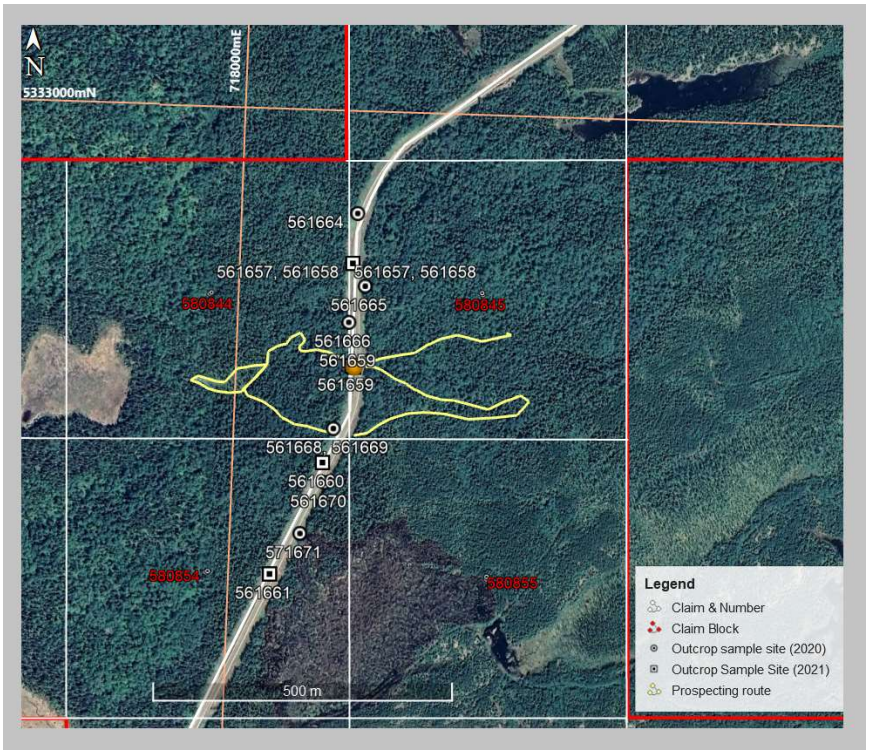

Figure 7.55: Access & Prospecting DMCB August 1st 2021

No outcrops of note were observed though boulders dominantly of felsic rocks from massive to weakly sheared occurred in local mounds scarred throughout the prospecting path. Topography relatively flat with maximum elevation difference of 10m to 15m from west to east.

Reconnaissance prospecting of two metallic (figure 8.1) and gold (figure 8.4) TVM targets on claims #617747 and 615758 was attempted by Steel, Archibald and Ryder on October 31st 202. Access to the target on Claim #6157472was by walking an overgrown logging trail north of the TVM targets. The western gold TVM target was accessed from the north and the south (Figure 7.55) where the target area is elevated some 20 metres higher than the non target area though no outcrop present except mound of large blocks of felsic tonalites & granites on the edges of the target. Target could not be explained and soil geochemistry will be required. The second eastern gold TVM target could not be accessed due to thick bush over.

Some 3.6 kilometres of prospecting was undertaken.

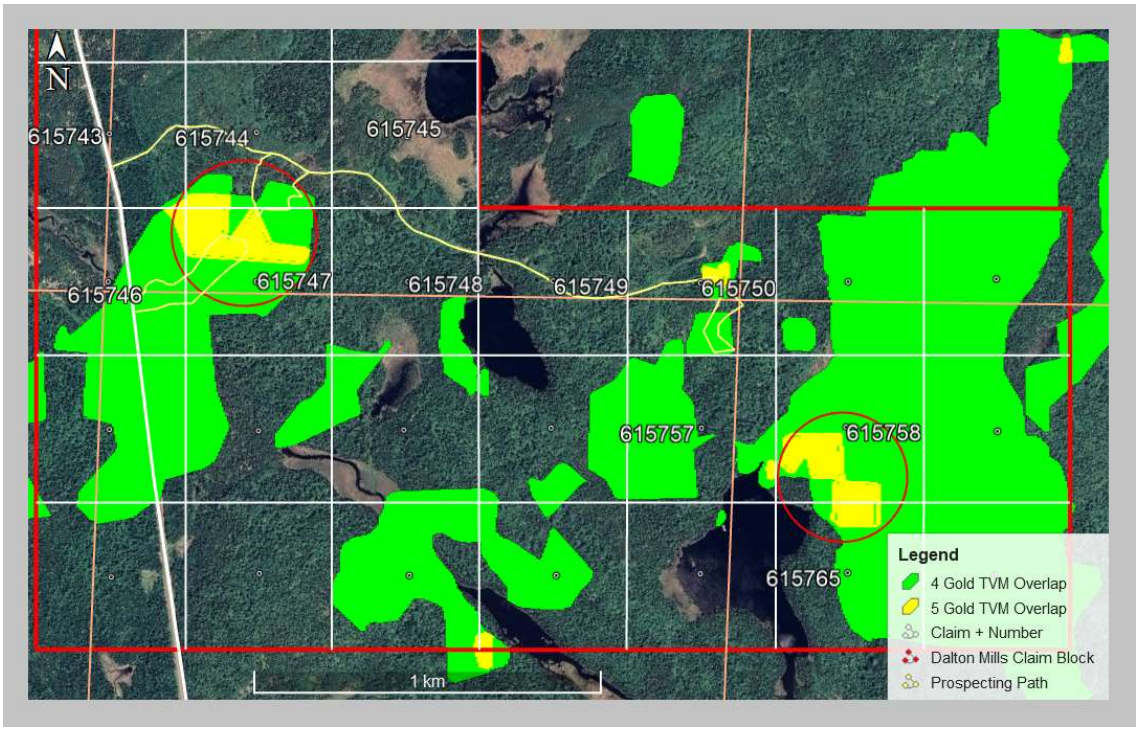

Figure 7.56: & Prospecting DMCB October 31st 2021

8.0 Interpretation

The relatively coarse spectral and spatial resolution of Aster means that identification of specific minerals is tentative and needs to be viewed in conjunction with other exploration datasets, geological models and geochemical samples. In essence, the imagery requires extensive ground confirmation of this or any interpretation.

The 90m resolution of Aster Funds Ltd anomalies means that identification of specific minerals is done on comparison to industry accepted reference spectra, not field identification. This analysis is an input to a diversified exploration strategy with geoscientific models and geochemical/geophysical inputs. The imagery and analysis herein always require ground verification in project mapping.

8.1 Target Vector Minerals

The LWIR Target Vector Minerals identified for gold and copper-nickel mineralization in a survey area may be used in many different ways to define target areas for mineral exploration.

To define specific target areas for different elements/commodities, in a spectral survey area, a number of TVM methods are used:

- **Direct Mineral Vector** An example is Sphalerite. This is a sulphide ore mineral for zinc and as such can be used as TVM's™ for zinc by outlining areas of high abundance which become target area(s) for exploration. Similarly, pyrrhotite is a well known pathfinder mineral for nickel that can be used directly to define target areas where spectral surveys show it in high abundance.

- **Metallic Target Vector Minerals** Where more than three metallic oxide/sulphide/carbonate mineral endmembers occur, they can be used as TVM's to outline target areas of metallic concentration by using the TVM overlap method. In the Long Lake survey area, four metallic TVM's are present: Pyrrhotite, Cerussite, Goethite and Pyrite.

- **Conceptual Target Vector Minerals** If geological data suggests an environment for a commodity deposit type is present but has not been found nor mapped, then specific minerals (ore, gangue, pathfinder, alteration etc.) associated with the particular deposit type can be used as Target Vector Minerals, if present in the raw data.

- **Commodity Specific Target Vector Minerals**– If mineral occurrences are present in the survey area then TVM's can be identified for each commodity and also for each mineralization style for that commodity (vein, fault, breccia).The relevant TVM data, for example vein gold, is utilized by overlapping the TVM's identified for vein gold either as mineral outlines or anomalies. Once plotted the overlap areas are coloured. This technique further defines potential mineral trends and target areas for exploration in specific areas for gold exploration. When combined with geology, geophysics and geochemistry then target areas for exploration can be further defined and ranked.

8.2 Direct LWIR Mineral Target Vectors

Cerussite is a lead carbonate mineral can be used directly as TVM's for lead and zinc by outlining areas of high abundance as target area(s) for exploration. Similarly pyrrhotite is known as a pathfinder mineral for nickel and is present with the gold in the survey area. On the properties Pyrrhotite abundance is seen in Figure 7.28 where it forms a wide, high abundance band running east-west across the Dalton Mills Claim Block.

8.3 LWIR Metallic Target Vector Minerals

The Aster LWIR survey mapped four metallic minerals in the survey area:

- Em#4 is interpreted as Pyrrhotite (iron sulphide) with a 100% correlation co-efficient.
- Em#8 identified as Cerussite (lead carbonate) with an 80% correlation co-efficient.
- Em#15 equates to Pyrite another iron sulphide with a 97% correlation co-efficient
- Em#16, interpreted as Goethite (iron oxide) with a 96% correlation coefficient.

The "metallic's "- sulphides, an oxide and a carbonate indicate that mineralization processes were active in the survey area. Their abundance maps can be directly used to assist in defining areas for exploration. Where more than three metallic oxide/sulphide/carbonate mineral endmembers occur they can be used as TVM's to outline target areas of metallic concentration by using the TVM overlap method.

Utilizing the TVM overlap methodology, metallic TVM overlap maps were produced for each of the five claim blocks in three survey areas (Figures 8.1; 8.2 and 8.3 below and overleaf).

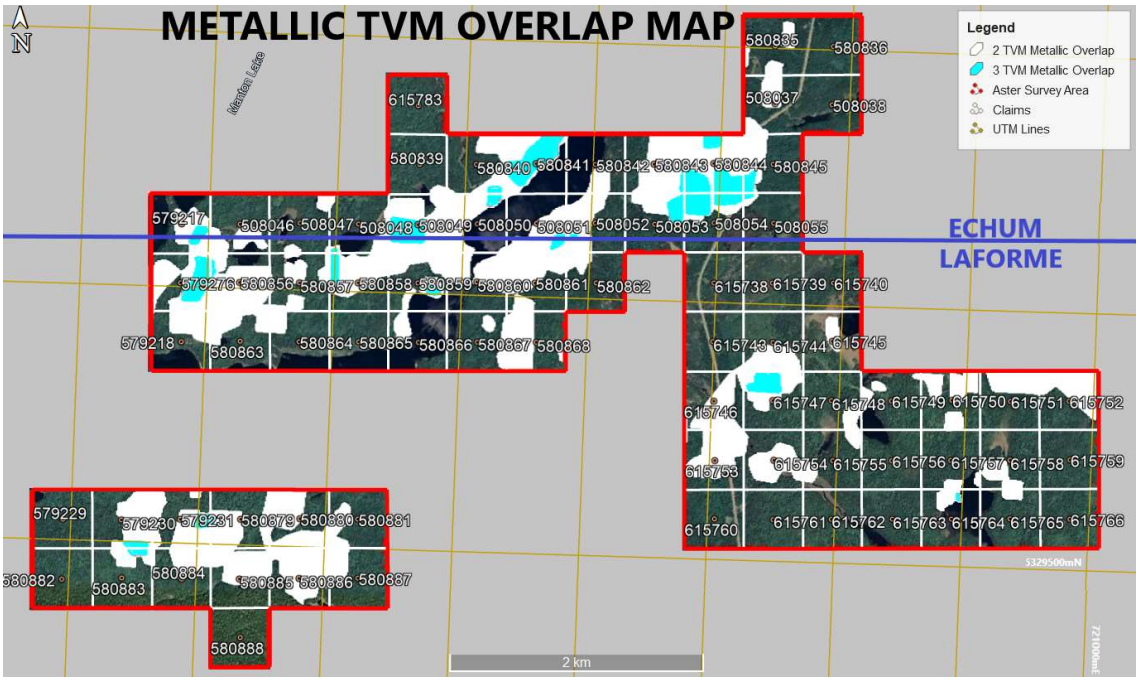

Figure 8.1: Metallic TVM Overlap Map – Area 1 – Block #3 & Dalton Mills Claim Block

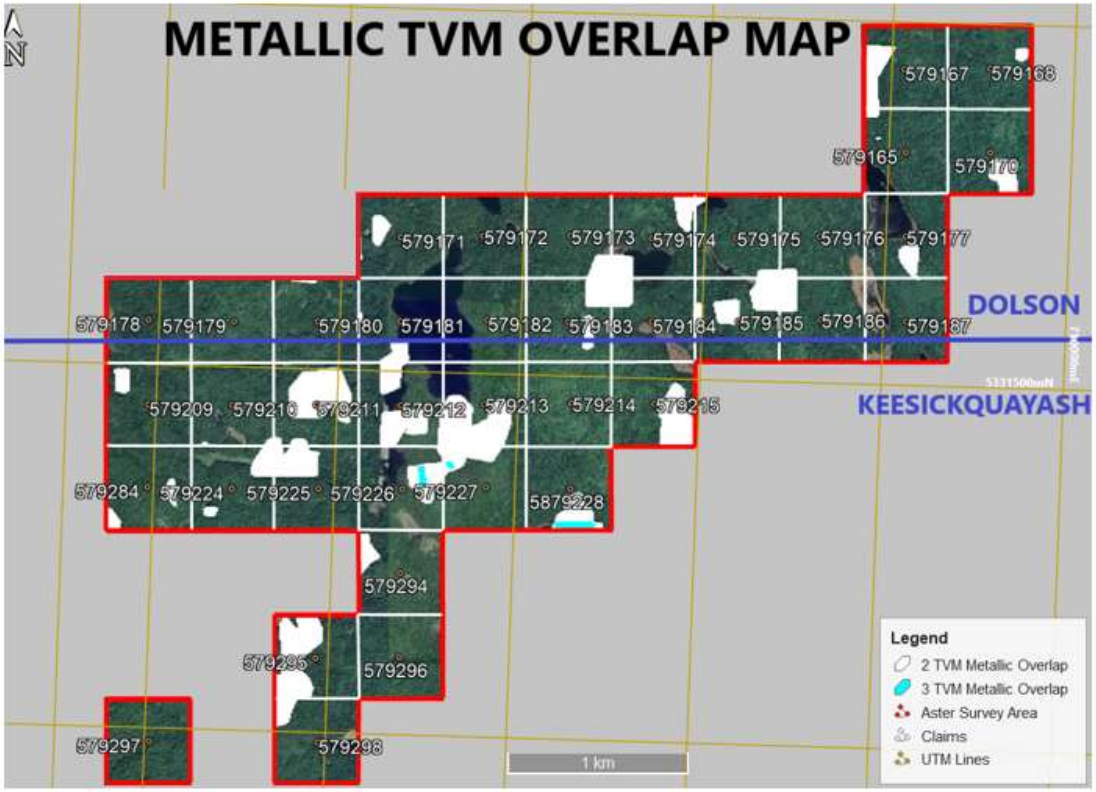

Figure 8.2: Metallic TVM Overlap Map – Area 2 – Block #2 & Block#4

Figure 8.3: Metallic TVM Overlap Map – Area 3 – Block #1

The highest number of 3 Metallic TVM Overlap occurs in the Dalton Mills block generally coincident with the pyrrhotite abundance.

8.4 Commodity Specific Target Vector Minerals (LWIR)

Numerous gold deposits, one active gold mine , two deposits under mine construction and hundreds of gold occurrences are present in the Michipicoten Greenstone Belt.

Gold TVM's were determined and gold TVM Overlap maps were produced for each of the five claim blocks in three survey areas (Figures 8.4; 8.5 and 8.6 below and overleaf).

8.4.1 Gold

Seven endmember minerals spatially associated with the gold occurrences were identified as target vector minerals (TVM's) for gold:

- Em#1 is interpreted as Monticellite (Calcium magnesium silicate) with a 95% correlation co-efficient.
- Em#2 is interpreted as Orthoclase (K-Feldspar) with a 95% correlation co-efficient.
- Em#4 is interpreted as Pyrrhotite (iron sulphide) with a 100% correlation co-efficient.
- Em#5 is identified as Epidote (Calcium iron silicate) with a 96% correlation co-efficient.
- Em#8 identified as Cerussite (lead carbonate) with an 80% correlation co-efficient.
- Em#15 equates to Pyrite another iron sulphide with a 97% correlation co-efficient
- Em#16, interpreted as goethite (iron oxide) with a 96% correlation coefficient.

and they are in order of dominance:

Pyrrhotite>/= Epidote> Orthoclase = Monticellite >/= Cerussite > Pyrite>Goethite

The gold TVM Overlap response is similar to the metallic TVM Overlap mapping within the Dalton claim area though numerous areas of 5 (yellow) out of 7 gold TVM Overlap were mapped in the three areas.

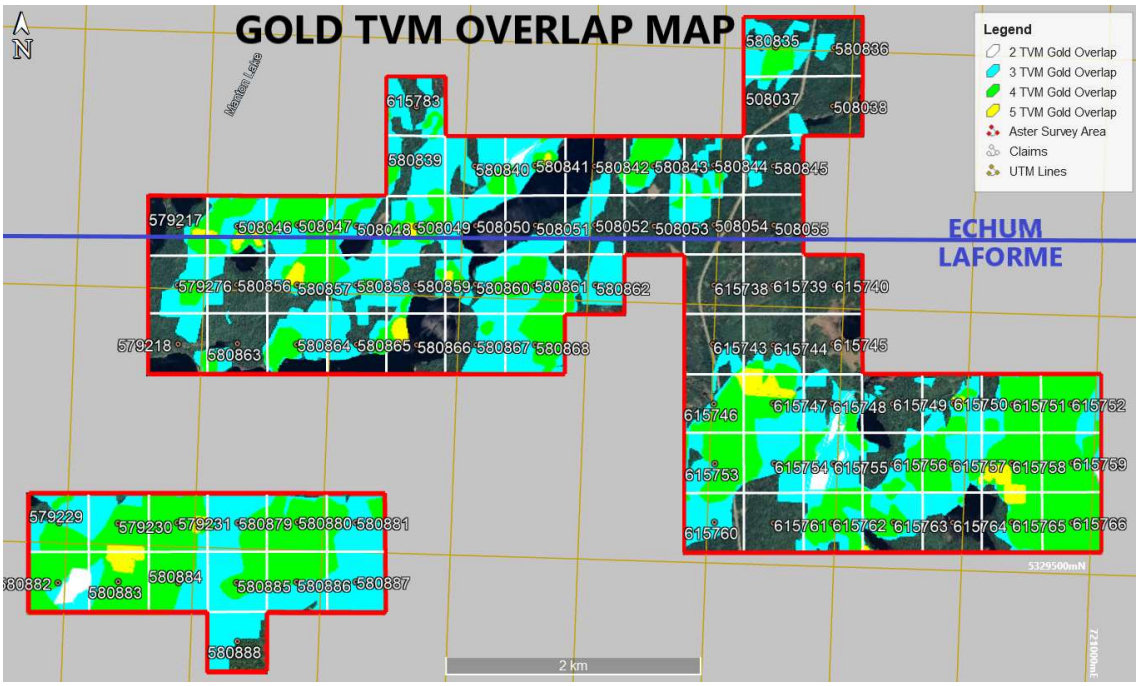

Figure 8.4: Gold TVM Overlap Map – Area 1 – Block #3 & Dalton Mills Claim Block

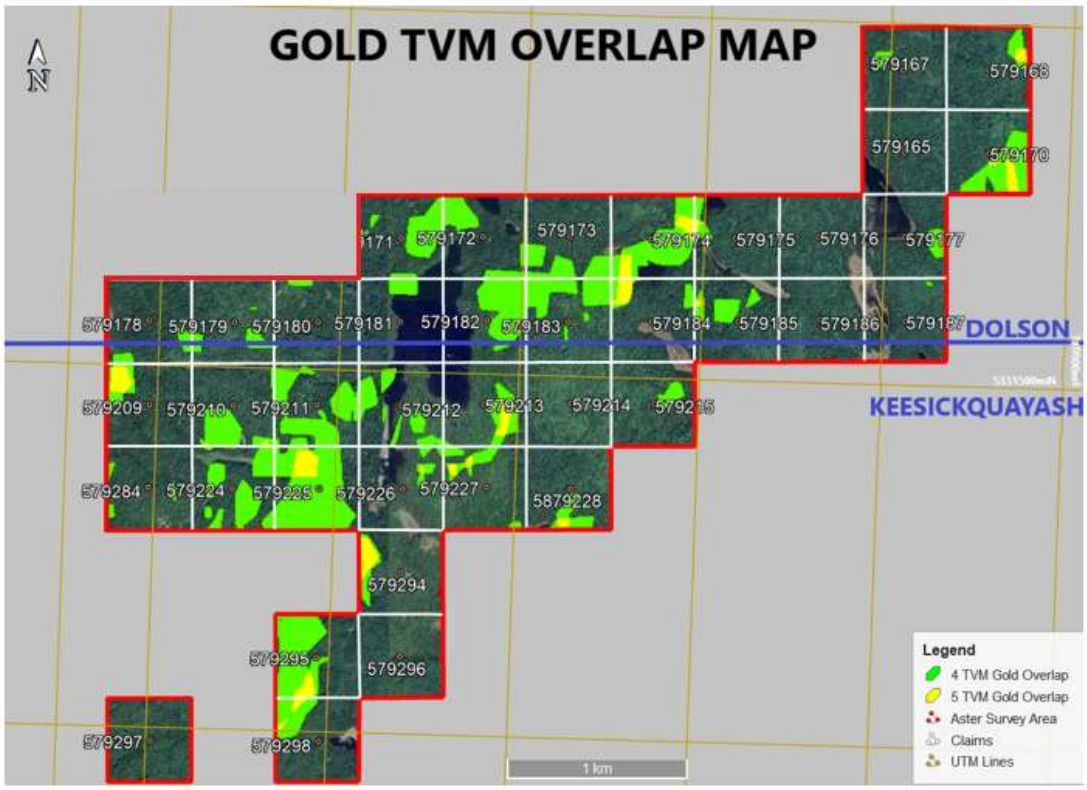

Figure 8.5: Gold TVM Overlap Map – Area 2 – Block #2 & Block#4

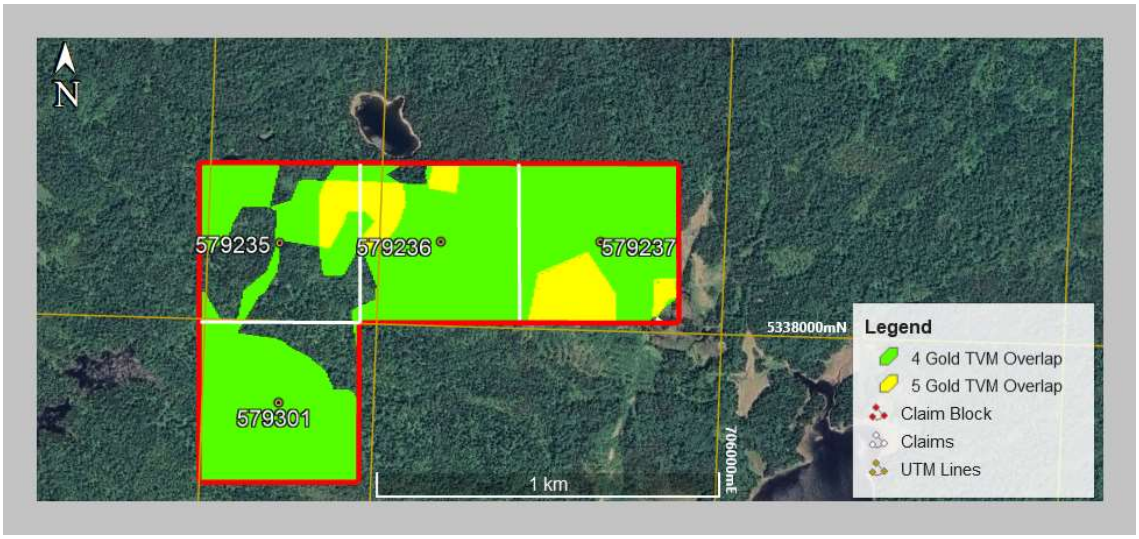

Figure 8.6: Gold TVM Overlap Map – Area 3 – Block #1

The gold TVM Overlap map is in essence a gold prospectivity map of the claims and identified a number of gold target areas in the claim blocks except Block #2.

9.0 Conclusions

Proprietary algorithms were applied to collect and categorize the spectral reflectance and emissivity emanating from the rocks over the Dalton Mills Claim Blocks area. Spectral LWIR frequencies so collected were correlated against a reference database of rocks, minerals, and other substances from Johns Hopkins University.

Aster Funds Ltd LWIR Target Vector Minerals (TVM) were identified for gold (6) and metallics (4). Processing and plotting of the LWIR TVM overlap data on the Dalton Claim Blocks outlined a number of Gold and Metallic targets.

QDFC and LDFC predictor target maps were produced for:

- Gold based on the Magino, Kremzar, Cline and Edwards deposits
- Gold based on fourteen drilled gold prospects (Goudreau gold camp)
- Gold based on known mineral occurrences (281)

The Long Lake gold LWIR QDFC predictive results for the five claim blocks show that QDFC targets are present on Blocks #1; #3 and #4 coincident with a number of Gold TVM overlap targets.

In summary, the interpreted Aster LWIR TVM and QDFC/LDFC data outlined gold exploration areas.

All spectral data and interpretations should be integrated with other exploration datasets such as geochemistry, geophysics (gravity, magnetics, radiometric) as well lithological and structural interpretations for better results.

The various mineral abundances presented in this report need to be correlated with geological information and fieldwork to improve the interpretation and generate other reliable exploration targets.

10.0 Recommendations

Field follow-up work is recommended. Details:

- Detailed prospecting of the gold/metallic TVM Overlap exploration target areas.
- Detailed prospecting of the gold QDFC/LDFC exploration target areas.
- Selected rock chip sampling of outcrops in the target areas
- Soil Sampling traverses across selected target areas.
- Satellite “gassniff” surveys for Hydrogen, Helium, Methane and Mercury

11.0 Cited References

Easton, R.M. 200. METAMORPHISM OF THE CANADIAN SHIELD, ONTARIO, CANADA. I. THE SUPERIOR PROVINCE in The Canadian Mineralogist Vol. 38, pp. 287-317

Masun, K. M., Chamois, P. 2021. TECHNICAL REPORT ON THE STARGROVE DIAMOND PROJECT, ALGOMA DISTRICT, NORTHERN ONTARIO, CANADA NI 43-101 Technical Report.

Morris, T.F 2001. ONTARIO GEOLOGICAL SURVEY Open File Report 6055 Quaternary Geology of the Wawa Area, Northeastern Ontario.

Percival, J.A., Easton, R.M. 2007. Geology of the Canadian Shield in Ontario: An Update. Geological Survey Open File Report 6196 Geological Survey of Canada Open File 5511 Ontario Power Generation Report Number 06819-REP-01200-10158-R00

Verley, C.G. 2009. UPDATE OF ACTIVITIES ON THE LEADBETTER DIAMOND PROJECT (Pursuant to National Instrument 43-101 of the Canadian Securities Administrators) NTS 42C/2, Chabanel Township, Ontario Centered at Latitude: 48o 03’ 57” N, Longitude: 84o 42’ 15”E or 671,030E; 5,326,160N (UTM, NAD83, zone 16).

Sage, R.P. 1993. Ontario Geological Survey Open File Report 5586, Geology of Chabanel, Esquega, Lastheels and McMurray Townships, District of Algoma 1993

APPENDIX I

SAMPLE LOCATIONS

DALTON MILLS CLAIM BLOCK ROCK SAMPLING							
DATE	SAMPLE	SAMPLE	CLAIM	UTM	EASTING	NORTHING	ELEVATION
	TYPE	NUMBER	NUMBER	ZONE			m
15/06/2020	ROCK	561657	580845	16U	718191	5332781	391
15/06/2020	ROCK	561658	580845	16U	718191	5332781	391
15/06/2020	ROCK	561659	580845	16U	718200	5332619	391
15/06/2020	ROCK	561660	580854	16U	718153	5332459	395
15/06/2020	ROCK	561661	580854	16U	718072	5332271	399
25/09/2020	ROCK	561664	580845	16U	718197	5332874	390
25/09/2020	ROCK	561665	580845	16U	718202	5332754	391
25/09/2020	ROCK	561666	580845	16U	718188	5332692	391
25/09/2020	ROCK	561667	580845	16U	718200	5332619	391
25/09/2020	ROCK	561668	580844	16U	718169	5332516	393
25/09/2020	ROCK	561669	580844	16U	718169	5332516	393
25/09/2020	ROCK	561670	580854	16U	718158	5332426	396
25/09/2020	ROCK	561671	580854	16U	718120	5332340	399
25/09/2020	ROCK	561672	580854	16U	718072	5332271	399

SAMPLE DESCRIPTIONS

JUNE 15th 2020 SAMPLING			
SAMPLE NUMBER	SAMPLE DATE	SAMPLED BY	DESCRIPTION
561657	15/06/2020	J. Steel P. Geo	Felsic tonalite with , thin irregular quartz veinlets
561658	15/06/2020	J. Steel P. Geo	Sheared felsic rock with , brown carbonate staining
561659	15/06/2020	J. Steel P. Geo	10cm contact zone, Mafic dyke & felsic tonalite
561660	15/06/2020	J. Steel P. Geo	Reddish Syenitic felsic rock with minute brown stained fractures
561661	15/06/2020	J. Steel P. Geo	Massive reddish Syenitic felsic rock.

SEPTEMBER 25th 2020 RE-SAMPLING

SAMPLE NUMBER	SAMPLE DATE	SAMPLED BY	DESCRIPTION
561664	25/09/2020	J. Ryder P. Geo	Massive Felsic tonalite
561665	25/09/2020	J. Ryder P. Geo	Sheared felsic rock with brown carbonate staining
561666	25/09/2020	J. Ryder P. Geo	Fractured semi massive tonalite
561667	25/09/2020	F. Archibald P. Geo	resampled site 561659 contact zone
561668	25/09/2020	F. Archibald P. Geo	Sheared reddish felsic rock with Manganese staining
561669	25/09/2020	F. Archibald P. Geo	Duplicate of sample 561668
561670	25/09/2020	J. Steel P. Geo	Reddish Syenitic felsic rock with fine shears
561671	25/09/2020	J. Steel P. Geo	Red Syenitic felsic rock with brown /black stained shears
561672	25/09/2020	J. Steel P. Geo	Resampled 561661 massive reddish syenitic felsic rock Mn

APPENDIX II

LABORATORY RESULTS

SAMPLE NUMBERS: 561657 – 51661 **Report Number: A20-07038**

SAMPLE NUMBERS: 561664-56172 **Report Number: A20-12500**

Total 14 SAMPLES

Quality Analysis ... **Actlabs** *Innovative Technologies*

Report No.: A20-07038
Report Date: 21-Jul-20
Date Submitted: 03-Jul-20
Your Reference:

ASTER FUNDS LTD
SUITE 2500-120 ADELAIDE ST W
TORONTO ON M5C-1T1
Canada

ATTN: JIM STEEL

CERTIFICATE OF ANALYSIS

5 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-1-0.5g	QOP Ultratrace-1 (Aqua Regia ICPMS)	2020-07-14 06:23:32

REPORT **A20-07038**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results **Activation Laboratories Ltd.** **Report: A20-07038**

Analyte Symbol	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge
Unit Symbol	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
561657	0.278	< 1	0.088	11.3	0.5	< 1	0.337	1.05	2.02	0.37	0.04	2.38	17.7	236	9	674	7.07	29.0	12.9	187	120	8.51	< 0.1
561658	0.274	< 1	0.084	7.4	0.4	< 1	0.345	0.80	1.80	0.35	0.04	2.05	13.2	233	7	578	6.52	26.1	10.3	183	87.0	7.84	< 0.1
561659	0.032	< 1	0.044	13.4	0.5	3	0.054	0.73	1.17	0.17	0.07	4.23	6.1	50	20	533	2.25	8.0	8.5	57.2	45.1	4.83	< 0.1
561660	0.261	< 1	0.073	9.6	0.3	< 1	0.561	0.74	2.79	0.33	0.03	2.34	10.2	203	15	464	5.63	22.7	17.9	160	73.1	9.78	< 0.1
561661	0.275	< 1	0.074	12.2	0.3	< 1	0.449	0.95	2.34	0.32	0.03	2.15	12.8	236	13	553	6.56	27.4	17.9	177	81.5	9.26	< 0.1

Results **Activation Laboratories Ltd.** **Report: A20-07038**

Analyte Symbol	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
561657	< 0.1	15.8	28.1	25.9	18.6	0.2	0.91	0.112	0.06	0.98	0.06	< 0.02	0.95	128	13.8	31.1	0.22	3.9	17.6	3.8	0.7	0.9	4.6
561658	< 0.1	15.4	29.1	26.1	21.1	0.2	0.82	0.082	0.05	0.98	0.07	0.03	0.89	121	13.3	31.0	0.18	3.8	16.9	4.4	0.5	0.8	4.9
561659	13.3	9.3	97.4	5.19	9.7	< 0.1	4.67	4.73	< 0.02	0.40	0.39	2.45	2.64	37.5	7.0	15.6	0.24	1.9	8.16	1.6	0.8	0.4	1.4
561660	< 0.1	16.1	57.4	17.1	22.6	0.2	0.78	0.046	0.04	0.74	0.03	< 0.02	1.58	87.6	11.2	24.9	0.09	3.1	13.4	3.2	0.8	0.6	3.5
561661	< 0.1	15.6	43.9	19.1	31.9	0.2	0.72	0.065	0.05	0.87	0.04	< 0.02	1.75	122	10.6	24.7	0.10	3.1	13.6	3.1	0.7	0.7	3.6

Results **Activation Laboratories Ltd.** **Report: A20-07038**

Analyte Symbol	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
561657	0.8	5.4	1.0	3.1	0.5	2.9	0.4	0.3	< 0.05	< 0.1	0.002	< 0.5	0.14	9.3	2.5	0.4	20
561658	0.8	5.3	1.0	3.0	0.5	2.9	0.4	0.3	< 0.05	0.1	0.003	0.6	0.15	4.7	2.6	0.4	50
561659	0.2	1.2	0.2	0.6	< 0.1	0.5	< 0.1	0.3	< 0.05	0.4	< 0.001	4510	0.15	13.0	1.2	0.3	120
561660	0.6	3.4	0.7	2.0	0.3	1.7	0.2	0.5	< 0.05	< 0.1	0.002	3.6	0.15	2.5	2.2	0.3	40
561661	0.6	3.9	0.8	2.2	0.3	2.0	0.3	0.7	< 0.05	< 0.1	0.002	< 0.5	0.13	2.6	2.2	0.4	20

QC **Activation Laboratories Ltd.** **Report: A20-07038**

Analyte Symbol	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge
Unit Symbol	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		< 1	0.029	15.5			0.034	0.16	4.94	0.10	0.23	0.09	38.4	168	411	378	12.7	24.5	175	331	32.6	16.7	
OREAS 45d (Aqua Regia) Cert		0.045	0.035	11.9			0.031	0.144	4.860	0.097	0.30	0.09	41.50	201.0	467	400.000	13.650	26.2	176.0	345.0	30.6	17.9	
OREAS 923 (AQUA REGIA) Meas		< 1	0.061	25.1	0.6			1.49	2.75	0.36	20.1	0.38	3.6	30	41	861	5.90	21.9	32.9	4500	339	7.98	
OREAS 923 (AQUA REGIA) Cert		0.684	0.061	23.4	0.61			1.43	2.80	0.322	21.8	0.326	3.09	30.6	39.4	850	5.91	22.2	32.7	4248	335	8.01	
OREAS 520 (Aqua Regia) Meas	0.142	1	0.078	15.4	0.5		0.055	1.15	1.42	0.44	2.86	3.97	12.0	251	39	2430	17.2	207	75.9	3150	23.7	14.0	0.1
OREAS 520 (Aqua Regia) Cert	0.135	1.03	0.0740	16.6	0.540		0.0520	1.14	1.56	0.506	2.90	3.84	11.8	247	37.4	2280	15.74	196	73.0	2960	20.7	13.7	0.250
Oreas 621 (Aqua Regia) Meas		4	0.030	7.0	0.5		0.146	0.34	1.52	0.29	3.85	1.43	2.1	10	29	492	3.29	27.6	24.1	3550	> 5000	9.53	
Oreas 621 (Aqua Regia) Cert		4.50	0.0335	8.17	0.530		0.160	0.436	1.60	0.333	3.85	1.65	2.20	10.9	31.3	520	3.43	27.9	25.8	3660	51700	9.29	
OREAS 263 (Aqua Regia) Meas		< 1	0.042	21.8	1.5		0.074	0.63	1.78	0.36	0.57	1.00	4.1	27	56	483	3.75	31.2	71.5	98.6	134	4.47	
OREAS 263 (Aqua Regia) Cert		0.126	0.0410	20.1	1.22		0.0790	0.593	1.29	0.288	0.570	1.03	3.52	22.8	48.0	490	3.68	31.0	72.0	87.0	127	4.92	
OREAS 130 (Aqua Regia) Meas	0.029	7	0.090	32.7				0.98	1.17	0.52	2.97	1.71	3.4	36	26	1690	7.42	27.6	35.3	254	> 5000	5.18	
OREAS 130 (Aqua Regia) Cert	0.0270	6.02	0.0860	29.9				0.892	1.10	0.500	3.05	1.81	3.42	33.1	23.2	1630	7.27	27.1	35.2	226	16900	4.78	
OREAS 153b (Aqua Regia) Meas	0.048	1	0.044	3.7	0.1		0.136	1.43	2.21	0.31	1.68	1.19	9.3	140	15	230	3.42	13.9	9.9	6260	117	7.81	
OREAS 153b (Aqua Regia) Cert	0.0500	1.27	0.0470	3.28	0.180		0.148	1.47	2.28	0.365	1.81	1.32	9.98	153	16.2	240	3.60	14.9	11.1	6700	118	8.06	
Oreas 623 (Aqua Regia) Meas		9	0.037	9.2	0.4		0.064	1.04	1.56	0.15	17.2	1.00	4.2	15	27	528	12.3	205	17.7	> 10000	> 5000	13.4	
Oreas 623 (Aqua Regia) Cert		8.75	0.0400	10.0	0.370		0.0680	1.11	1.80	0.175	16.9	1.09	4.63	15.8	19.4	570	13.0	216	15.6	17200	10100	11.9	
561661 Orig	0.277	< 1	0.076	12.3	0.3	< 1	0.462	0.96	2.39	0.33	0.03	2.19	13.0	240	13	562	6.68	27.8	18.2	180	80.4	9.39	< 0.1
561661 Dup	0.273	< 1	0.072	12.0	0.3	< 1	0.436	0.94	2.29	0.32	0.03	2.12	12.5	232	13	544	6.43	26.9	17.6	174	82.5	9.14	< 0.1
Method Blank	< 0.001	< 1	< 0.001	< 0.1	< 0.1	< 1	0.010	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	1	2	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.2	0.16	< 0.1
Method Blank	< 0.001	< 1	< 0.001	< 0.1	< 0.1	< 1	0.009	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 1	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.3	0.15	< 0.1

QC **Activation Laboratories Ltd.** **Report: A20-07038**

Analyte Symbol	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas	5.2	19.6	11.7	4.02					0.08	1.75				70.0	9.9	23.8							
OREAS 45d (Aqua Regia) Cert	6.50	20.9	11.0	5.08					0.085	1.950				80	9.960	24.8							
OREAS 923 (AQUA REGIA) Meas	6.8	21.6	13.3	17.2	15.8		0.84	1.58	0.45	6.46	0.69		1.67	61.3	33.2	66.5	0.43	7.4	27.8	5.6	5.8		4.4
OREAS 923 (AQUA REGIA) Cert	7.07	19.6	13.6	14.3	22.5		0.84	1.62	0.45	5.99	0.58		1.56	54	30.0	60	0.40	6.79	25.4	4.34	5.99		4.07
OREAS 520 (Aqua Regia) Meas	162	28.6	31.0	13.3	41.2		62.0		0.11	3.48	2.19	0.35	0.49		70.0	72.6					1.8		
OREAS 520 (Aqua Regia) Cert	152	31.5	36.0	14.3	28.0		62.0		0.110	3.42	1.97	0.33	0.570		83.0	79.0					1.73		
Oreas 621 (Aqua Regia) Meas	74.8		17.5	6.88	71.6		12.6	60.6	1.59	2.57	112		0.93		18.2	38.5	277				5.1		
Oreas 621 (Aqua Regia) Cert	75.0		18.9	6.87	55.0		13.3	68.0	1.73	2.68	107		1.01		19.4	39.6	278				5.64		
OREAS 263 (Aqua Regia) Meas	29.8		16.4	11.7			0.58	0.285	0.03		8.81	0.21		186			0.30			5.5		0.9	4.3
OREAS 263 (Aqua Regia) Cert	30.8		16.9	12.0			0.570	0.285	0.0290		7.37	0.210		175			0.270			4.41		0.850	3.89
OREAS 130 (Aqua Regia) Meas	216	41.3	19.5	12.3	28.5		7.91	6.13	0.19		4.31	0.15	2.84		24.1	52.0	31.3	5.8					3.2
OREAS 130 (Aqua Regia) Cert	205	41.6	23.2	13.0	19.0		8.25	6.27	0.200		4.69	0.170	2.96		26.4	54.0	28.8	5.93					3.53
OREAS 153b (Aqua Regia) Meas	76.0	6.5	32.9	8.06	1.5		138	1.36	0.21	2.87	2.18	0.25	0.22	25.6	3.6	9.01	0.27		6.08	1.6	10.8		
OREAS 153b (Aqua Regia) Cert	80.0	7.34	31.4	9.38	0.860		156	1.40	0.210	3.27	2.12	0.250	0.260	22.8	3.79	9.11	0.240		6.31	1.71	10.5		
Oreas 623 (Aqua Regia) Meas	81.9		13.4	7.63	66.6		8.62	19.4	1.94	4.00	21.6	0.59	0.75		17.6	37.2	58.7				20.2		
Oreas 623 (Aqua Regia) Cert	76.0		14.2	7.43	50.0		8.38	20.4	1.94	4.07	20.2	0.570	0.750		17.9	36.4	52.0				18.6		
561661 Orig	< 0.1	15.8	45.1	19.3	31.2	0.2	0.72	0.067	0.05	0.87	0.04	0.03	1.77	124	10.6	24.8	0.10	3.1	13.7	3.1	0.7	0.7	3.5
561661 Dup	< 0.1	15.3	42.7	18.8	32.7	0.2	0.72	0.062	0.04	0.86	0.03	< 0.02	1.74	120	10.6	24.5	0.11	3.0	13.5	3.1	0.7	0.7	3.6
Method Blank	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	0.06	< 0.002	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	6.2	< 0.5	< 0.01	< 0.01	< 0.1	< 0.02	< 0.1	0.8	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	0.05	< 0.002	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	5.8	< 0.5	< 0.01	< 0.01	< 0.1	< 0.02	< 0.1	0.8	< 0.1	< 0.1

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Analyte Symbol	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas												18.3		16.3	10.1	1.4	
OREAS 45d (Aqua Regia) Cert												21		17.00	11.3	1.64	
OREAS 923 (AQUA REGIA) Meas	0.6							0.3		2.1			0.17	83.1	15.1	2.1	
OREAS 923 (AQUA REGIA) Cert	0.54							0.60		1.96			0.12	81	14.3	1.80	
OREAS 520 (Aqua Regia) Meas	0.5					1.2	0.2	0.9		26.1		161	0.08	5.2	7.4	13.7	
OREAS 520 (Aqua Regia) Cert	0.500					1.36	0.200	0.810		29.6		169	0.0900	5.22	8.03	14.9	
Oreas 621 (Aqua Regia) Meas	0.3					0.5	< 0.1	1.6		1.0		1240	0.82	> 5000	5.4	1.6	3360
Oreas 621 (Aqua Regia) Cert	0.330					0.520	0.0780	1.43		1.00		1230	0.770	13600	5.91	1.63	3930
OREAS 263 (Aqua Regia) Meas	0.5	2.8	0.5	1.1		0.9							0.61	36.8	11.8	1.3	180
OREAS 263 (Aqua Regia) Cert	0.500	2.64	0.430	1.29		0.990							0.530	34.0	10.6	1.28	170
OREAS 130 (Aqua Regia) Meas			0.5				0.2	0.7		1.3			5.32	1230	10.0	8.0	590
OREAS 130 (Aqua Regia) Cert			0.480				0.150	0.610		1.40			5.92	1300	10.3	8.36	670
OREAS 153b (Aqua Regia) Meas	0.3	1.8			0.1	0.8	0.1				0.162	304	0.06	13.5	0.4	< 0.1	80
OREAS 153b (Aqua Regia) Cert	0.310	1.92			0.130	0.83	0.110				0.170	320	0.0640	12.4	0.350	0.0610	66.0
Oreas 623 (Aqua Regia) Meas	0.3					0.8	0.1	1.6		2.5		865	0.28	2350	4.8	1.5	740
Oreas 623 (Aqua Regia) Cert	0.340					0.800	0.120	1.32		2.62		797	0.260	2520	4.72	1.43	830
561661 Orig	0.6	4.0	0.8	2.2	0.3	2.0	0.3	0.7	< 0.05	< 0.1	0.002	< 0.5	0.13	2.7	2.3	0.4	20
561661 Dup	0.6	3.8	0.8	2.2	0.3	2.0	0.3	0.8	< 0.05	< 0.1	0.002	< 0.5	0.13	2.6	2.2	0.4	20
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	0.7	< 0.02	< 0.1	< 0.1	< 0.1	80
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.1	< 0.1	20

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Report Date: 27/10/2020																					
Analyte Symbol	**Ti**	**S**	**P**	**Li**	**Be**	**B**	**Na**	**Mg**	**Al**	**K**	**Bi**	**Ca**	**Sc**	**V**	**Cr**	**Mn**	**Fe**	**Co**	**Ni**	**Cu**	**Zn**
Unit Symbol	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**	**%**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**
Detection Limit	**0.001**	**1**	**0.001**	**0.1**	**0.1**	**1**	**0.001**	**0.01**	**0.01**	**0.01**	**0.02**	**0.01**	**0.1**	**1**	**1**	**1**	**0.01**	**0.1**	**0.1**	**0.2**	**0.1**
Analysis Method	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**
561664	0.017	< 1	0.003	3.2	0.3	4	0.1	0.11	0.34	0.13	0.03	0.32	0.8	3	1	61	0.55	0.7	0.9	2.6	2.5
561665	0.313	< 1	0.111	46.8	0.5	3	0.246	3.1	1.91	0.18	0.39	2.83	19.2	167	87	695	5.13	26.4	27.8	25.9	94.1
561666	0.121	< 1	0.049	17.5	0.1	3	0.171	0.49	0.82	0.29	0.09	0.56	3	30	9	203	2	6.9	5.7	24.5	58.3
561667	0.199	< 1	0.043	20.2	0.1	3	0.276	0.82	1.42	0.3	< 0.02	1.14	6.5	105	12	355	3.85	15.2	14.6	81.5	67.4
561668	0.391	< 1	0.082	16	0.4	5	0.063	1.76	1.94	0.27	0.07	3.82	12.8	128	64	1030	6.93	21.2	34.2	53.3	112
561669	0.548	< 1	0.072	15.8	0.4	6	0.033	1.82	2.25	0.11	0.04	5.84	12.3	146	31	1360	7.92	28.4	30.6	73.5	101
561670	0.263	< 1	0.065	12.6	0.3	4	0.053	1.5	1.59	0.11	0.04	4.33	11.6	99	54	889	5.02	17.5	27.9	42.5	80.4
561671	0.121	< 1	0.079	9.8	0.2	4	0.092	1.16	1.08	0.05	0.16	4.11	5.2	49	74	552	2.58	11.1	27.2	9.8	58.1
561672	0.518	< 1	0.08	18.5	0.3	5	0.031	2.41	2.79	0.04	< 0.02	2.98	17.3	223	21	1400	9.93	35.3	33.1	100	194

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Report Date: 27/10/2020																				
Analyte Symbol	**Ga**	**Ge**	**As**	**Rb**	**Sr**	**Y**	**Zr**	**Nb**	**Mo**	**Ag**	**In**	**Sn**	**Sb**	**Te**	**Cs**	**Ba**	**La**	**Ce**	**Cd**	**Pr**
Unit Symbol	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
Detection Limit	**0.02**	**0.1**	**0.1**	**0.1**	**0.5**	**0.01**	**0.1**	**0.1**	**0.01**	**0.002**	**0.02**	**0.05**	**0.02**	**0.02**	**0.02**	**0.5**	**0.5**	**0.01**	**0.01**	**0.1**
Analysis Method	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**
561664	3.94	< 0.1	0.5	6.4	36.3	4.84	14.7	1	0.1	0.02	< 0.02	0.94	< 0.02	< 0.02	0.16	19	8	15.1	< 0.01	1.6
561665	10.7	< 0.1	0.6	5.9	61.6	10.2	6.1	0.1	0.16	0.027	0.05	0.75	< 0.02	< 0.02	0.61	48.4	6.6	20.6	0.04	3
561666	5.02	< 0.1	0.8	12.7	35.7	3.44	4.6	0.1	0.1	0.037	< 0.02	0.27	< 0.02	< 0.02	1.13	124	13.9	29.2	< 0.01	3
561667	7.04	< 0.1	1	12.5	39	5.81	8	< 0.1	0.3	0.058	0.02	0.39	< 0.02	< 0.02	1.49	118	13.5	27.1	0.03	2.7
561668	13.5	< 0.1	6.1	10	98	16.6	15.4	0.4	2.33	0.042	0.04	0.8	0.62	< 0.02	1.49	134	19.8	42.3	0.1	4.7
561669	12.2	< 0.1	9.8	3.7	116	18.9	8.1	0.3	0.23	0.031	0.04	0.56	2.41	< 0.02	0.51	69	9.3	20.9	< 0.01	2.4
561670	11.5	< 0.1	4.9	4.1	104	12.4	12.5	0.2	0.21	0.032	0.04	0.45	0.5	< 0.02	0.61	53.5	13.5	29.5	0.05	3.3
561671	8.34	< 0.1	5	1.5	79.6	7.4	13.9	0.2	0.21	0.076	0.03	0.48	0.28	< 0.02	0.07	49	20.2	43.1	0.02	4.7
561672	15.1	< 0.1	8	1.7	99.3	20.8	6.4	0.3	0.33	0.045	0.07	0.61	1.01	< 0.02	0.47	15.9	5.3	13.4	0.12	1.8

Report Number: A20-12500																				
Report Date: 27/10/2020																				
Analyte Symbol	**Nd**	**Sm**	**Se**	**Eu**	**Gd**	**Tb**	**Dy**	**Ho**	**Er**	**Tm**	**Yb**	**Lu**	**Hf**	**Ta**	**W**	**Re**	**Au**	**Tl**	**Pb**	**Th**
Unit Symbol	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppm**
Detection Limit	**0.02**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.05**	**0.1**	**0.001**	**0.5**	**0.02**	**0.1**	**0.1**
Analysis Method	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**	**AR-MS**
561664	5.98	1.5	< 0.1	0.2	1.3	0.2	1.1	0.2	0.5	< 0.1	0.5	< 0.1	0.8	< 0.05	< 0.1	< 0.001	< 0.5	0.04	3.8	15
561665	17.2	4.6	0.2	1	3.8	0.4	2.7	0.4	1.1	0.1	0.9	0.1	0.3	< 0.05	0.1	< 0.001	< 0.5	0.03	1.8	0.7
561666	12.1	2.6	0.1	0.4	1.7	0.2	0.9	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.09	3	2.3
561667	11.4	2.5	0.4	0.4	1.8	0.2	1.3	0.2	0.6	< 0.1	0.6	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.11	2.4	2.3
561668	22	4.8	0.4	1	4.4	0.5	3.6	0.6	1.7	0.3	1.6	0.2	0.5	< 0.05	0.4	< 0.001	< 0.5	0.09	6.2	2.5
561669	12.2	3.6	0.3	0.8	3.5	0.5	3.8	0.7	2.2	0.3	2.1	0.3	0.3	< 0.05	0.4	< 0.001	< 0.5	0.02	2.6	1.3
561670	16.2	3.3	< 0.1	0.8	3.1	0.4	2.8	0.5	1.4	0.2	1.2	0.2	0.5	< 0.05	0.2	< 0.001	6	0.03	3.9	2.2
561671	21.7	4.1	0.3	0.8	3	0.3	1.7	0.3	0.8	0.1	0.6	< 0.1	0.5	< 0.05	0.2	< 0.001	< 0.5	< 0.02	8.9	3
561672	9.8	3.2	0.6	0.7	3.5	0.5	4.2	0.8	2.5	0.4	2.3	0.3	0.3	< 0.05	0.2	< 0.001	< 0.5	< 0.02	1.9	0.6

Report Number: A20-12500																				
Report Date: 27/10/2020																				
Analyte Symbol	**U**	**Hg**	**LOI**	**Co3O4**	**CuO**	**NiO**	**SiO2**	**Al2O3**	**Fe2O3(T)**	**MnO**	**MgO**	**CaO**	**Na2O**	**K2O**	**TiO2**	**P2O5**	**Cr2O3**	**V2O5**	**Total**
Unit Symbol	**ppm**	**ppb**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**
Detection Limit	**0.1**	**10**		**0.005**	**0.005**	**0.003**	**0.01**	**0.01**	**0.01**	**0.001**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.003**	**0.01**
Analysis Method	**AR-MS**	**AR-MS**	**GRAV**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**	**FUS-XRF**
561664	3.8	< 10	0.68	< 0.005	< 0.005	0.004	74.59	13.47	0.79	0.008	0.27	0.84	4.69	4.52	0.06	0.01	0.01	< 0.003	99.95
561665	0.3	< 10	1.99	0.005	< 0.005	< 0.003	48.91	13.13	11.9	0.152	8.64	8.77	3.14	0.98	1.14	0.27	0.02	0.053	99.1
561666	0.1	< 10	0.63	< 0.005	< 0.005	0.006	69.54	15.45	3.13	0.031	1.06	3.25	5.69	0.84	0.32	0.13	0.01	0.006	100.1
561667	0.2	10	0.87	< 0.005	0.009	0.009	61.49	14.77	7.88	0.095	2.5	5.62	4.43	0.87	0.73	0.13	0.01	0.029	99.45
561668	0.6	160	5.35	< 0.005	0.007	0.007	55.32	13.27	10.04	0.137	2.98	5.73	4.66	0.95	0.95	0.2	0.01	0.023	99.65
561669	0.3	130	6.98	< 0.005	0.01	< 0.003	48.42	11.82	12.86	0.199	3.67	9.88	2.41	0.83	1.28	0.18	< 0.01	0.036	98.58
561670	0.6	70	6.47	< 0.005	0.008	< 0.003	56.83	12.82	7.57	0.129	2.74	7.22	4.93	0.62	0.78	0.18	0.01	0.019	100.3
561671	0.7	310	5.5	< 0.005	< 0.005	0.007	60.77	13.72	3.77	0.075	2.05	6.41	6.13	0.79	0.38	0.19	0.01	0.011	99.82
561672	0.1	300	4.34	0.007	0.015	< 0.003	50.91	12.54	16.54	0.218	4.6	6.39	2	0.3	1.86	0.21	< 0.01	0.055	100

APPENDIX III

DAILY LOG

DALTON CLAIM GROUP

SAMPLING & PROSPECTING

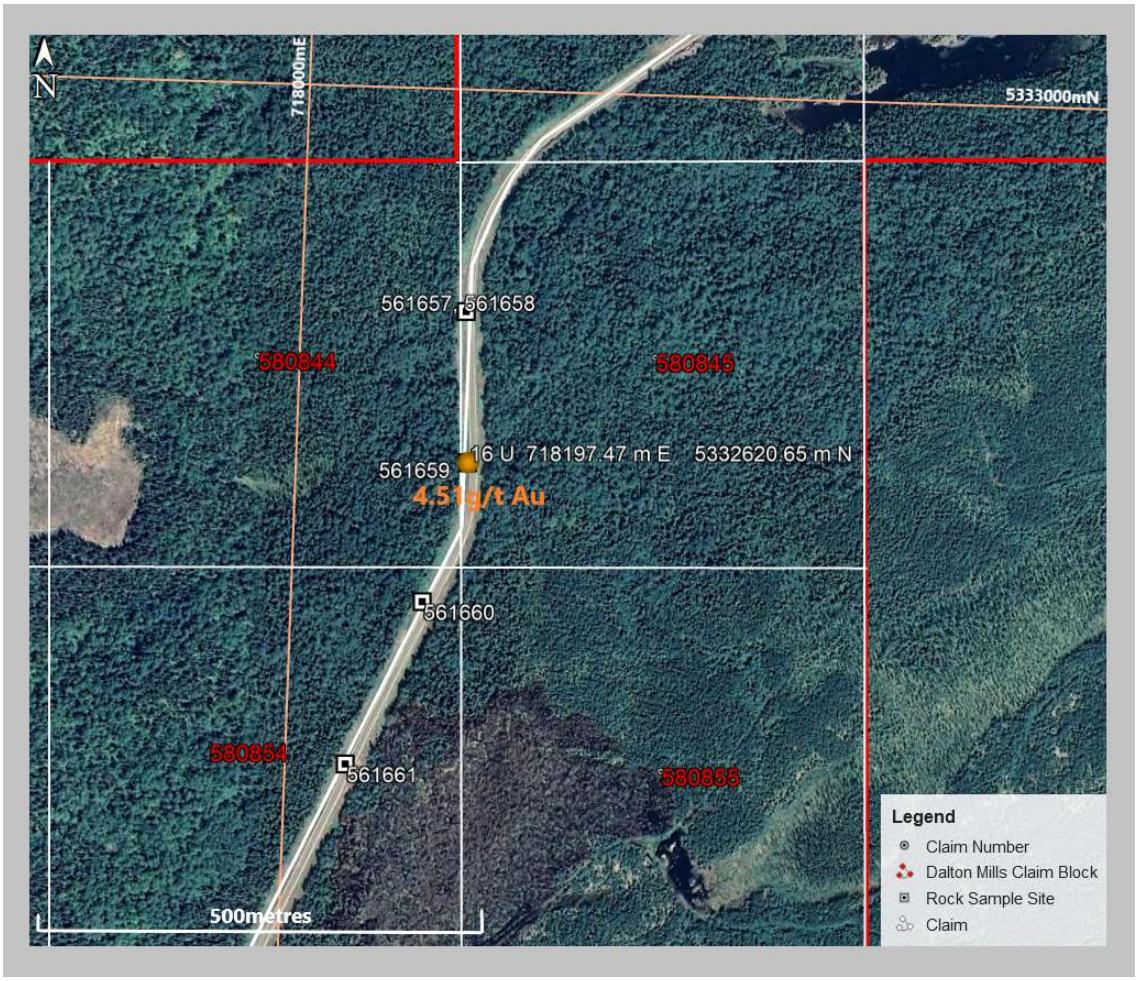
June 15th 2020

September 24th- 27th 2020

July 31st – August 2nd 2021

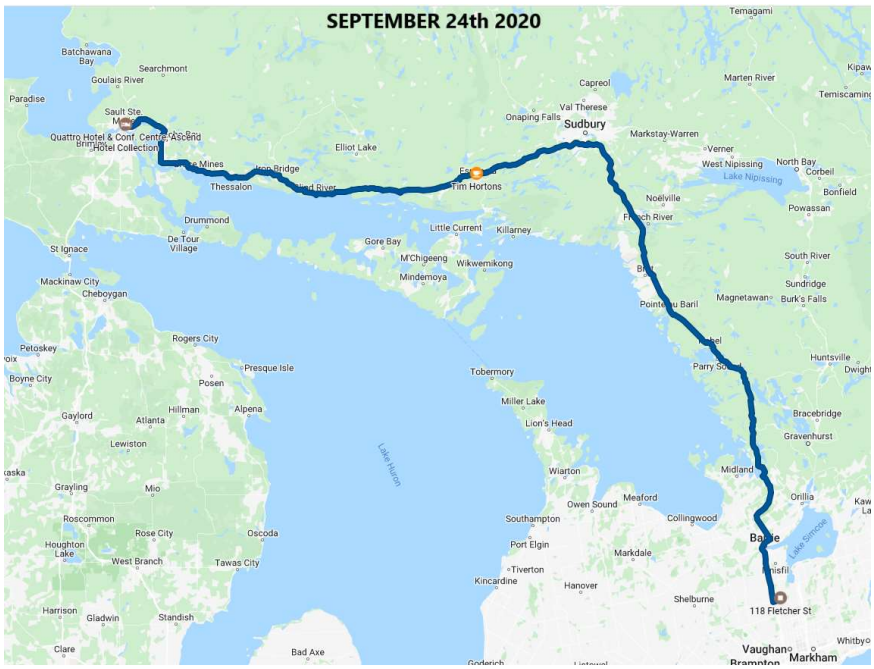
October 31st 2021

JUNE 15th 2020

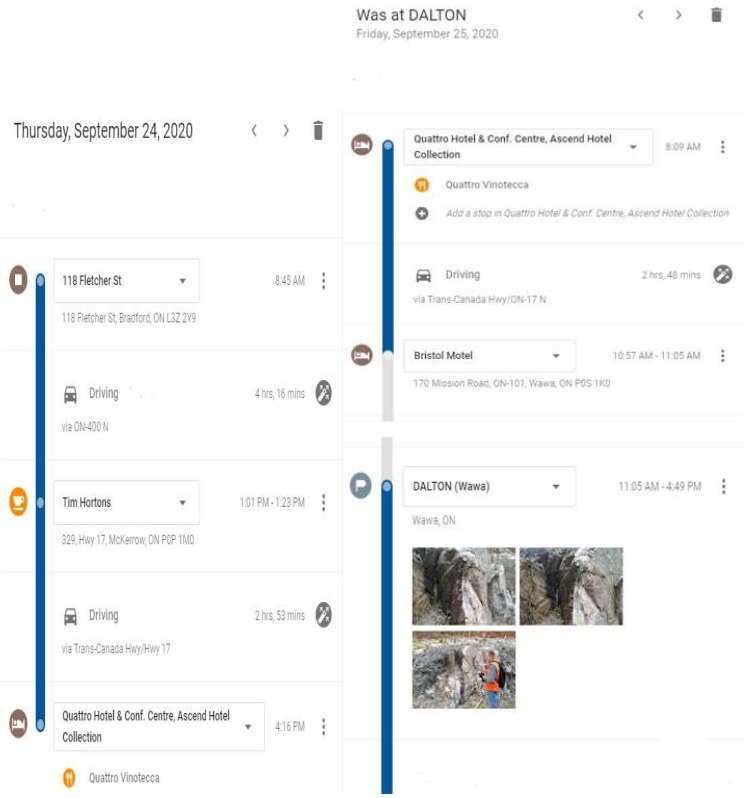


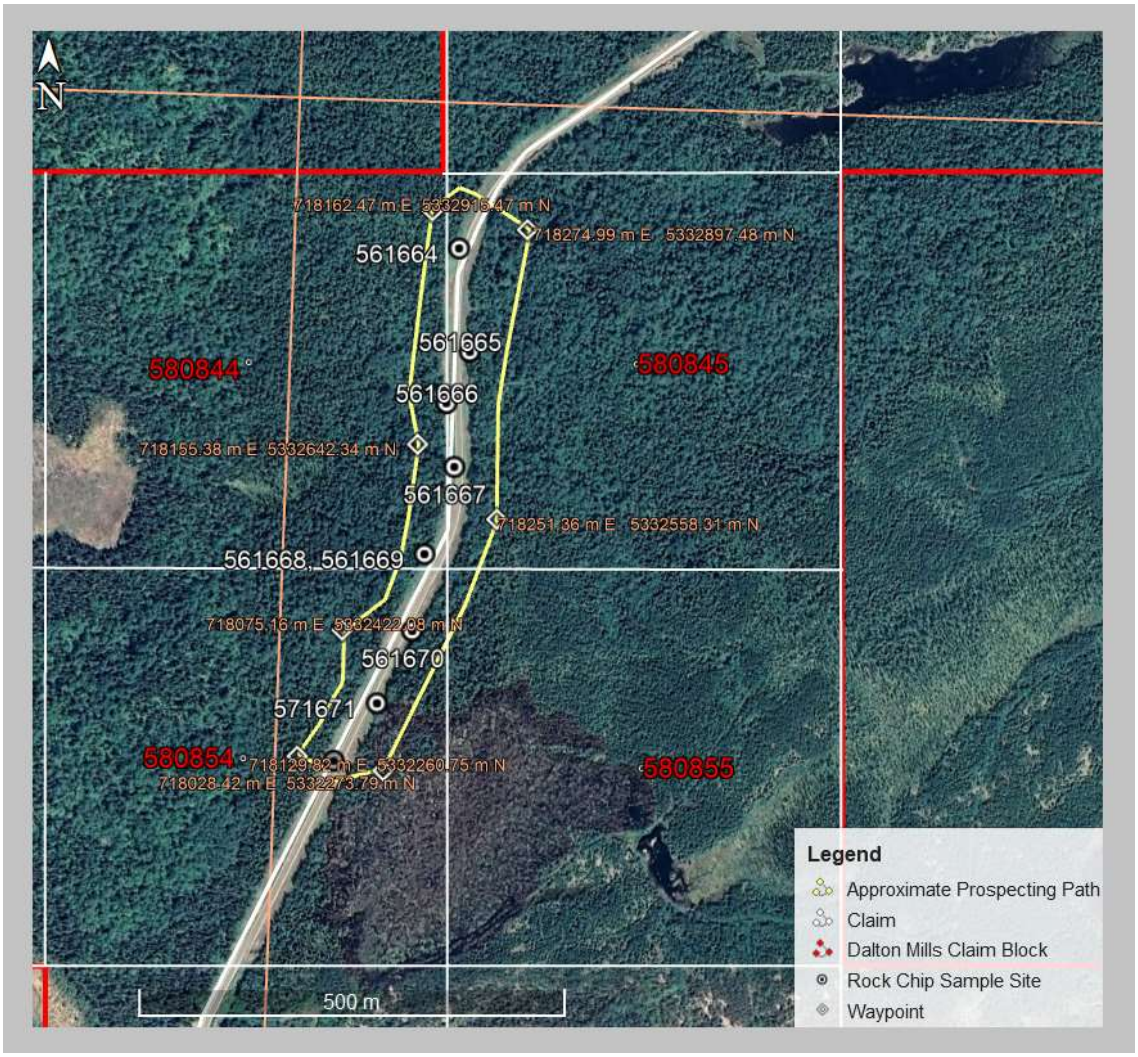
Rock Chip Sampling – Dalton Mills Claim Block

SEPTEMBER 24th - 27th 2020



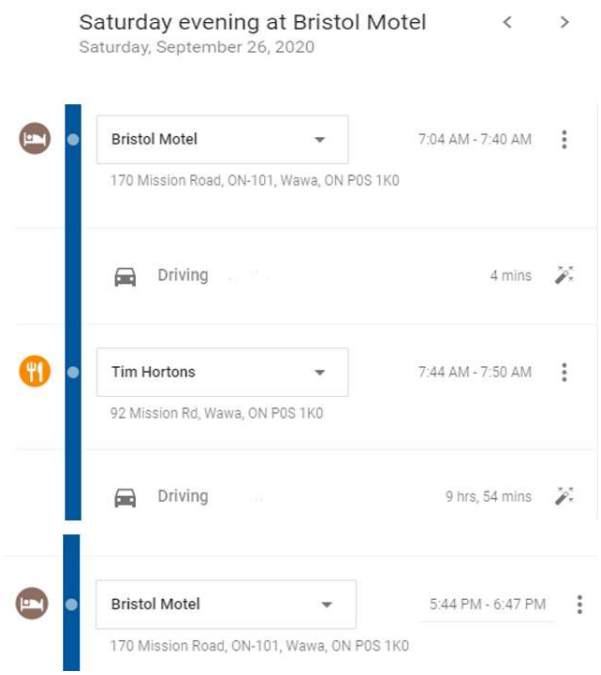
SEPTEMBER 25th 2020

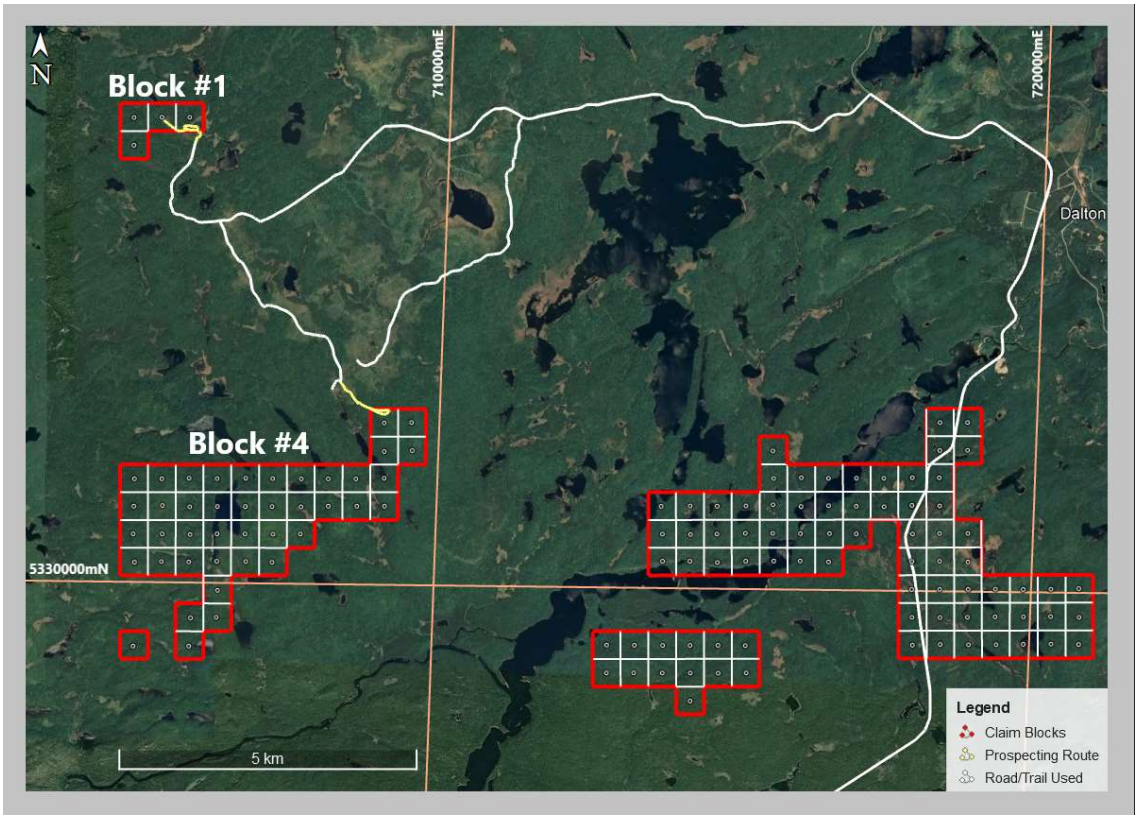




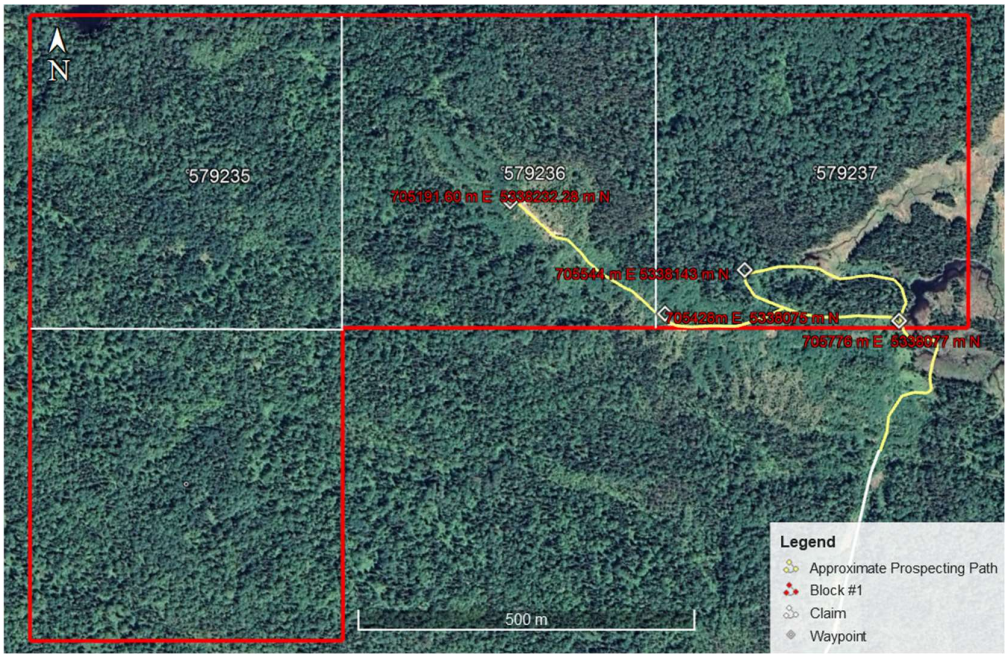
September 25th Sampling & Prospecting
Dalton Mills Claim Block

SEPTEMBER 26th 2020

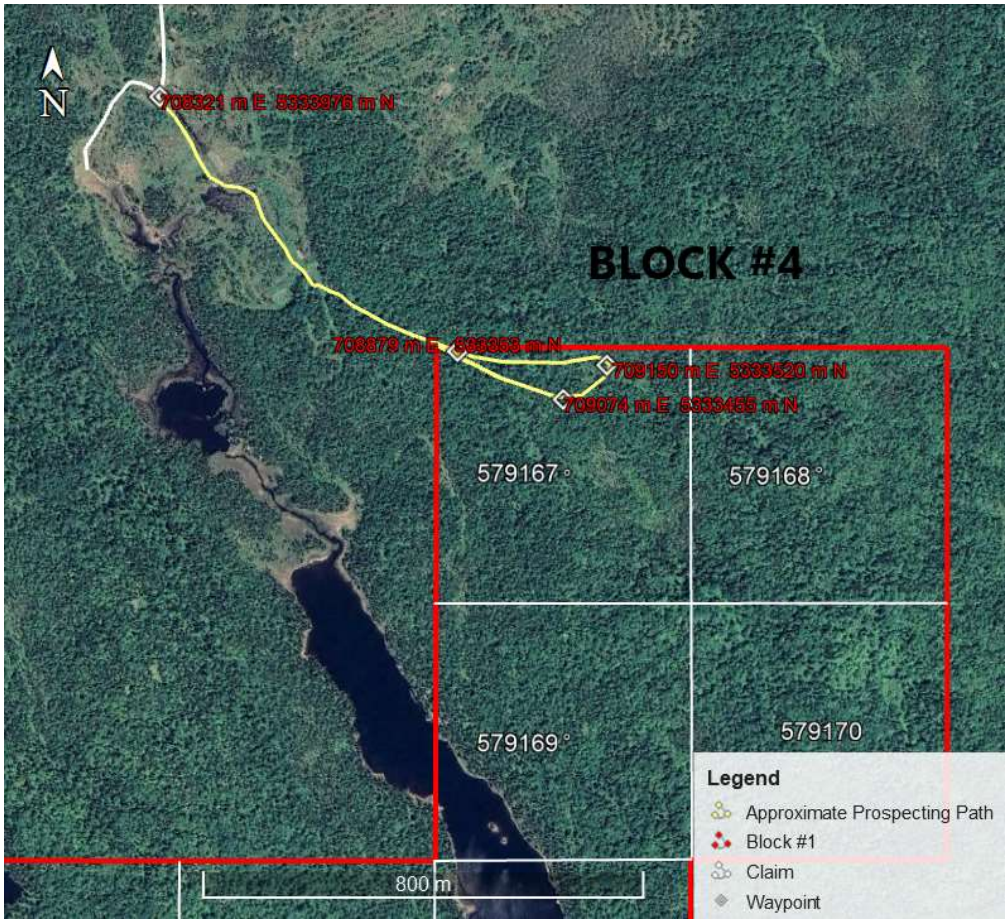




BLOCK #1 & BLOCK #4

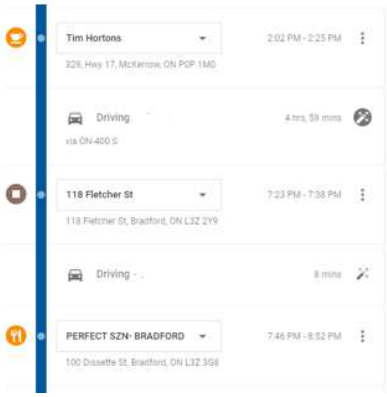


Block #1 – Prospecting

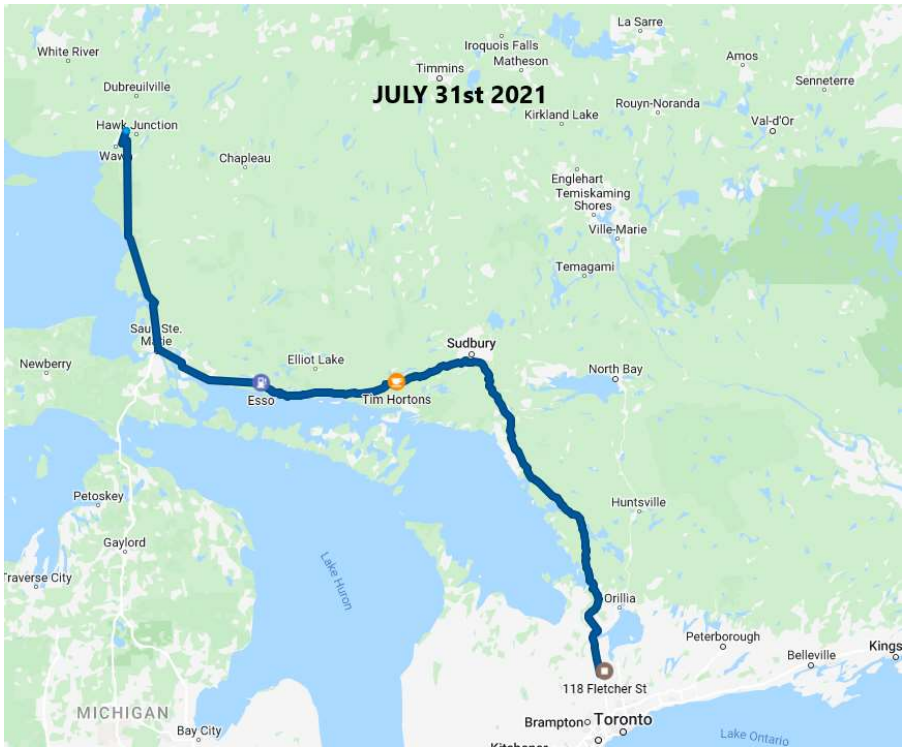


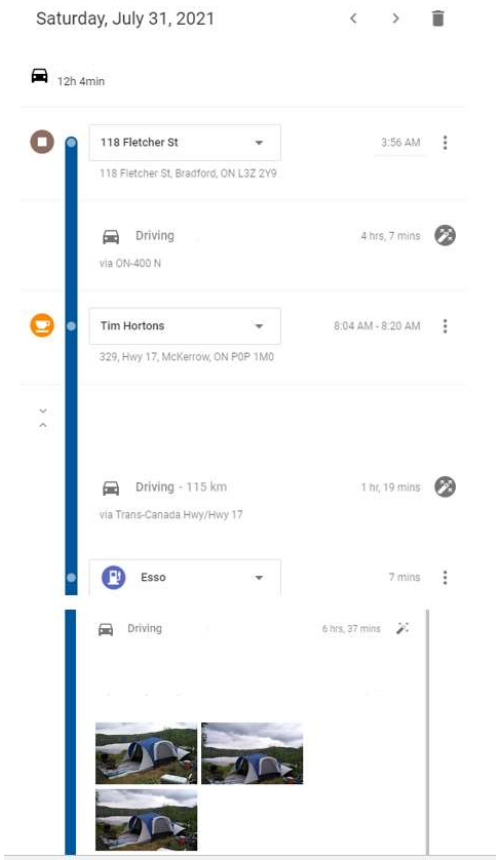
BLOCK #4 Prospecting

Sunday, September 27, 2020

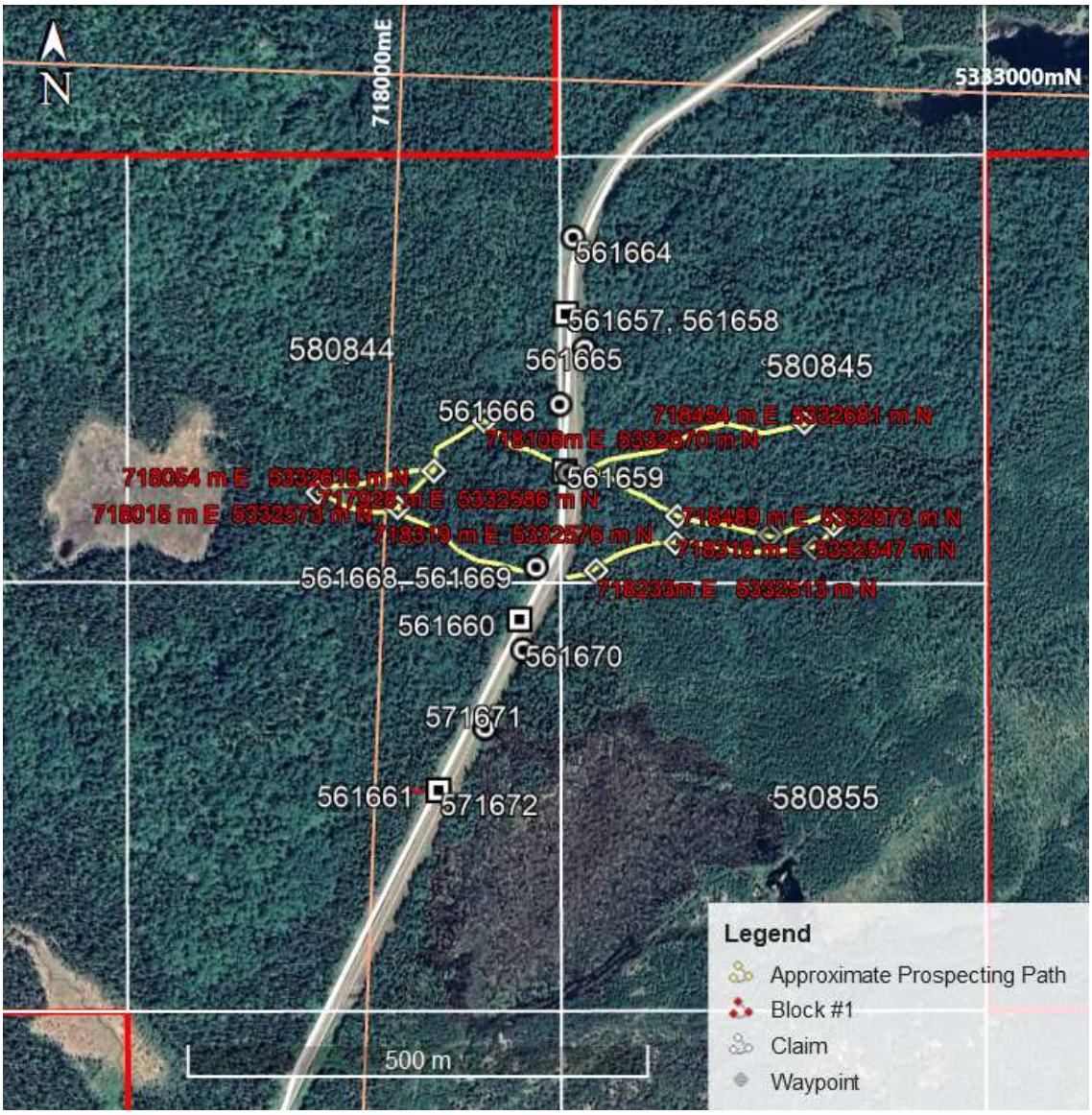


JULY 31st -August 2nd 2021

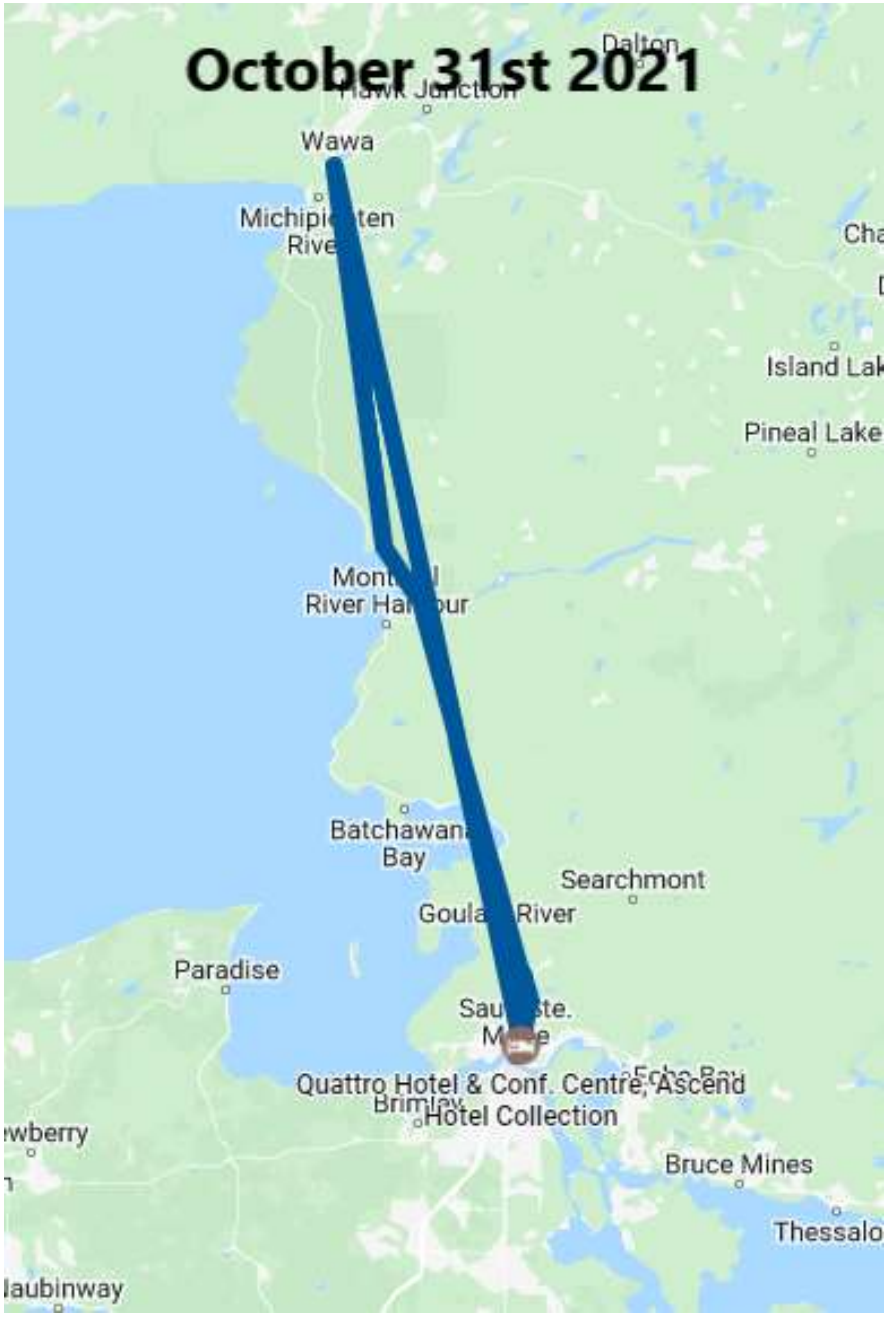


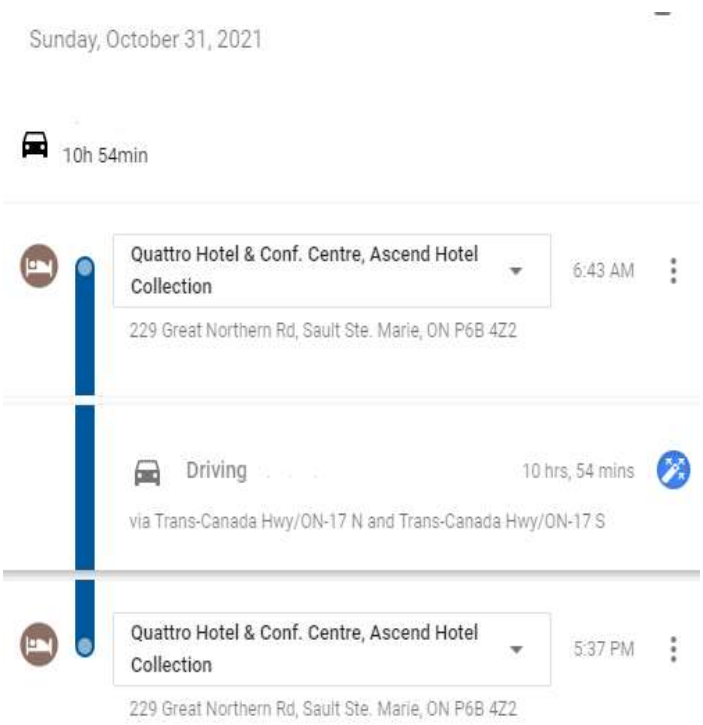


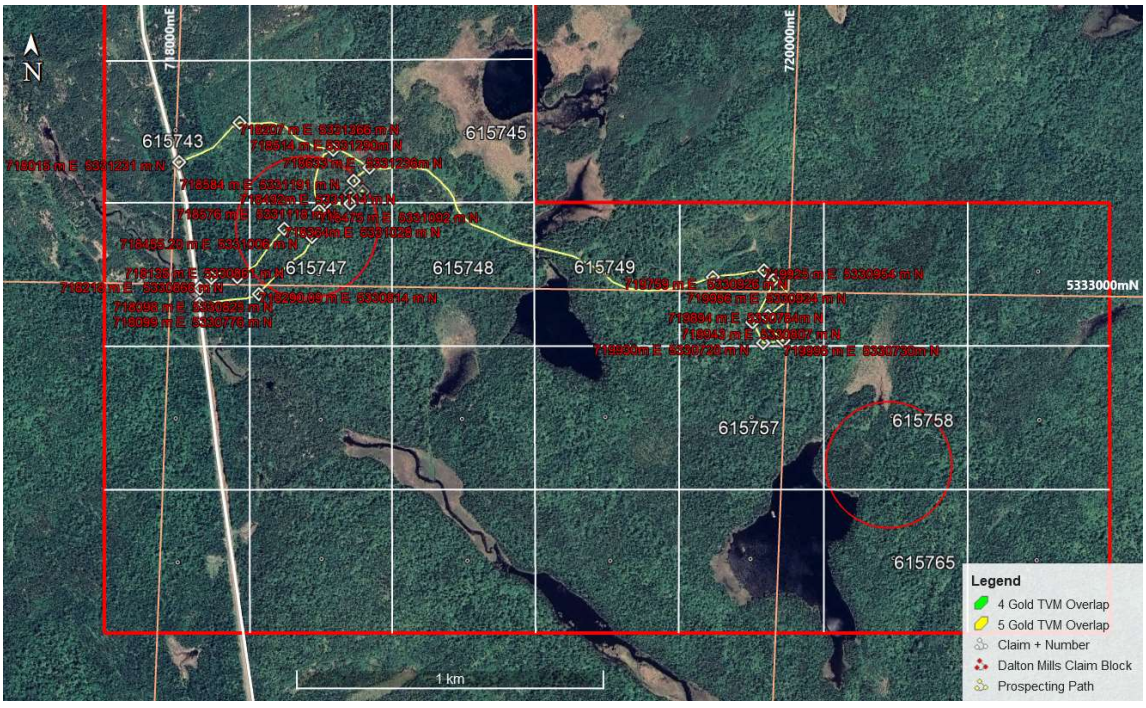
AUGUST 1st 2021



DALTON MILLS CLAIM BLOCK PROSPECTING


October 31st 2021
Dalton
Wawa
Island Lak
Pineal Lake
Batchawana
Bay
Searchmont
Paradise
Quattro Hotel & Conf. Centre, Ascend
Hotel Collection
Bruce Mines
Thessalo





DALTON MILLS CLAIM BLOCK PROSPECTING

DAILY LOG

DAILY LOG - FIELD VISITS 2020 & 2021					
DATE	ACTIVITY	DISTANCE Kms	PROJECT	CLAIM BLOCKS	COMMENT
15th June 2020	Rock sampling (Claims #580845, #580854, #580855)	1,906	Dalton	*DMCB	Jim Steel P.Geo Outcrop sampling
		1,906			
24th Sept. 2020	Driving to Sault Ste Marie (8:45am-4:16pm)	630	Dalton	pro rata all	Jim Steel P.Geo, Fred Archibald P.Geo & John Ryder P.Geo
25th Sept. 2020	Sault Ste Marie -Wawa-Dalton (8:50am-4:16pm)	418	Dalton	*DMCB	Resampling Dalton Mills Outcrops (3 geos)
26th Sept. 2020	Claim Blocks #1 & #4 accesss by logging roads,prospecting	230	Dalton	#1 & #4	Checking access logging roads, limited prospecting (3 geos)
27th Sept. 2020	Wawa to Bradford driving (7:05am -7:23pm)	940	Dalton	pro rata all	Jim Steel P.Geo, Fred Archibald P.Geo & John Ryder P.Geo
		2,218			
31st July 2021	Driving to Wawa (5:35am-4:06pm)	932	Dalton	*DMCB	John Ryder P.Geo
1st August 2021	Prospecting	80	Dalton	*DMCB	Jim Steel P.Geo & John Ryder P.Geo
2nd August 2021	Wawa to Bradford driving (7:05am -6:33pm)	940	Dalton	*DMCB	John Ryder P.Geo
		1,952			
31st Oct. 2021	Prospecting field follow up on gold TVM satellite anomalie	560	Dalton	*DMCB	Jim Steel P.Geo, Fred Archibald P.Geo & John Ryder P.Geo
		560			
Total Kms	Travel to and from claims plus field work	**6,636**			*DMCB = Dalton Mills Claim Block
Travel Kms	Bradford to Wawa return	**5,593**			
Field Kms	Blocks #1, #4 and #DMCB	**1,043**			
	Pro Rata Kilometres Travel Only to Wawa & Return				
	Block #1	180	Dalton	Block #1	
	Block #2	45	Dalton	Block #2	
	Block #3	586	Dalton	Block #3	
	Block #4	1,849	Dalton	Block #4	
	Dalton Mills Claim Block (DCMB)	2,932	Dalton	*DCMB	
	SUB TOTAL	**5,593**			
	Total Kms Dalton Mills Claim Block	**3,745**	Dalton	*DCMB	Sampling, TVM follow up; prospecting *DMCB
	Total Kms Block #1	295	Dalton	Block #1	Access and minor prospecting 26th September 2020
	Total Kms Block #2	45	Dalton	Block #2	
	Total Kms Block #3	586	Dalton	Block #3	
	Total Kms Block #4	1,964	Dalton	Block #4	Access and minor prospecting 26th September 2020
	TOTALS	**6,636**	**Dalton**		

APPENDIX IV

HISTORY

ECHUM TOWNSHIP

Report Number	Year	Company	Property	Work Type
20000019621	2019	CJP Exploration Inc	Wawa Diamonds Property	Prospecting By Licence Holder, Rock Sampling
20000014471	2016	RT Minerals Corp	Ballard Lake Property	Assaying and Analyses, Overburden Stripping, Rock Sampling
20000008242	2012-2014	Lakeland Resources Inc	Ballard Project	Assaying and Analyses, Prospecting By Licence Holder
20000005868	2009	Chalice Diamond Corp, Golden Chalice Resources Inc	Bird Property	Assaying and Analyses, Diamond Drilling
20000002774	2008	Chalice Diamond Corp		Magnetic / Magnetometer Survey
20000003370	2008	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000003614	2008	Chalice Diamond Corp		Assaying and Analyses, Prospecting By Licence Holder
20000004069	2008-2009	Campbell James Laidlaw, Chalice Diamond Corp, Golden Chalice Resources Inc, Gord Alexander Hume, Graham Stone, Joseph Frank Mihelcic, Terrance Stanley Nicholson		Assaying and Analyses, Prospecting By Licence Holder
20000004576	2008	Chalice Diamond Corp		Benefication Studies, Geochemical
20000005617	2008-2009	Dan Patrie Exploration Ltd, Precambrian Ventures Ltd		Airborne Electromagnetic, Airborne Magnetometer
20000000041	2007	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000000060	2007-2008	Chalice Diamond Corp	Chapleau Main Block	Airborne Electromagnetic, Airborne Magnetometer
20000000114	2007-2009	Chalice Diamond Corp	Chapleau Diamond Project	Assaying and Analyses, Overburden Stripping
20000002709	2007-2008	Golden Chalice Resc Inc		Electromagnetic Very Low Frequency, Linecutting, Magnetic / Magnetometer Survey
20000003905	2007-2009	C James Laidlaw, Chalice Diamond Corp, Golden Chalice Resources Inc, Gord Hume, Graham Stone, Joe Mihelcic, Michael A Tremblay, Rudolf Wahl, Terrence Stanley Nicholson		Assaying and Analyses, Prospecting By Licence Holder
20000004067	2007-2009	Chalice Diamond Corp		Benefication Studies, Geochemical
20000015208	2007-2008	Golden Chalice Res Ltd	Bader and Marsh Township Properties	Magnetic / Magnetometer Survey
20000000008	2006-2007	Golden Chalice Resc Inc		Airborne Electromagnetic, Airborne Magnetometer
20000003170	2006-2008	Chalice Diamond Corp		Assaying and Analyses, Prospecting By Licence Holder
20000004095	2006-2009	Chalice Diamond Corp		Benefication Studies, Geological Survey / Mapping, Prospecting By Licence Holder
20000004190	2006-2009	Golden Chalice Resources Inc, Terrence Stanley Nicholson		Benefication Studies, Prospecting By Licence Holder
20000015211	2006-2007	Golden Chalice Resources Inc	Abbey, Addison and Bader Township Properties	Magnetic / Magnetometer Survey
20000000047	2005-2007	Golden Chalice Resources Inc	Echum and Marsh Township Properties	Linecutting, Magnetic / Magnetometer Survey
20000002080	2005-2007	Golden Chalice Resc Inc		Geochemical
20000002408	2005-2007	Golden Chalice Resc Inc		Linecutting, Magnetic / Magnetometer Survey
20000002483	2005-2007	Golden Chalice Resources Inc		Benefication Studies, Geochemical
20000004307	2005-2009	Golden Chalice Resources Inc, Terrence Stanley Nicholson		Benefication Studies, Prospecting By Licence Holder
42C01NE2006	2002	Jacques Robert, Michael Tremblay	Matchinameigo and Fletch properties	Benefication Studies, Geological Survey / Mapping, Overburden Stripping
42B04NW2002	2000-2002	1447539 Ontario Ltd		Benefication Studies, Mechanical, Microscopic Studies, Overburden Stripping, Prospecting By Licence Holder
42C01NE2005	2000-2002	Michael A Tremblay	Matchinameigo and Fletch properties	Geochemical, Mechanical, Microscopic Studies, Overburden Stripping, Prospecting By Licence Holder
42C01NE2002	1998	2973090 Canada Inc, David R Healey	Ballard Lake Project	Geochemical, Geological Survey / Mapping, Induced Polarization, Open Cutting, Prospecting By Licence Holder
42G02NE2002	1997-1999	Canabrava Diamond Corp	Kapuskasing Area	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Geochemical, Microscopic Studies
42C01NE0004	1996	Consolidated Cline Development Corp, D Patrie		Assaying and Analyses, Boring Other Than Core Drilling
42C01NE0007	1995	Consolidated Cline Development Corp		Overburden Drilling
42C01NE0424	1990	Anglo Porcupine Gold Mines Ltd	Echum-Dolson Property	Geochemical, Geological Survey / Mapping, Mechanical, Overburden Stripping
42C01NE0401	1984	M Shunock	Chum Group	Electromagnetic Very Low Frequency, Magnetic / Magnetometer Survey
42C01NE0400	1983	Tundra Gold Mines Ltd	Matchinameigus Lake Area	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42C01NE0405	1981	Noranda Exploration Co	Echum Anomaly A	Electromagnetic, Magnetic / Magnetometer Survey
42C01NE0409	1980	Noranda Exploration Co	G Longhurst Au-Ag Property	Geological Survey / Mapping

42C01NE0409	1980	Noranda Exploration Co	G Longhurst Au-Ag Property	Geological Survey / Mapping
42C01NE8675	1976	Cordell Gold Mines Ltd	Cordell Gold Mines Ltd Property	Miscellaneous Compilation and Interpretation
42C08SE0674	1975	Umex Inc		Assaying and Analyses, Diamond Drilling, Electromagnetic, Geological Survey / Mapping, Magnetic / Magnetometer Survey
42C01NE8674	1974	Ontario Dept Of Mines	Matchinameigos Lake Area	Geological Survey / Mapping
42C01NW0013	1974	Umex Corp Ltd		Other
42C01NE8814	1973	J Davies	Sault algoma No 1 Project (ACR)	Assaying and Analyses, Bedrock Trenching, Manual Labour
42C01NE0408	1971	H Miller		Manual Labour, Mechanical, Overburden Stripping
20000019833	1962	Algoma Central Railway Co	Sault algoma No 1 Project (ACR)	Geological Survey / Mapping
42C01NE0426	1962	Algoma Central Railway	Sault algoma No 1 Project (ACR)	Geological Survey / Mapping
42C01NE8667	1953-1956	Frobisher Ltd	Dalton Project, Lake Matchinameighs Area	Airborne Electromagnetic, Airborne Magnetometer, Electromagnetic, Geological Survey / Mapping
42C08SE0771	1935	Algoma Central Railway		Other

LAFORME TOWNSHIP

Report Number	Year	Company	Property	Work Type
20000005868	2009	Chalice Diamond Corp, Golden Chalice Resources Inc	Bird Property	Assaying and Analyses, Diamond Drilling
20000003370	2008	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000000041	2007	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000000060	2007-2008	Chalice Diamond Corp	Chapleau Main Block	Airborne Electromagnetic, Airborne Magnetometer
20000004067	2007-2009	Chalice Diamond Corp		Benefication Studies, Geochemical
20000003170	2006-2008	Chalice Diamond Corp		Assaying and Analyses, Prospecting By Licence Holder
20000002408	2005-2007	Golden Chalice Resc Inc		Linecutting, Magnetic / Magnetometer Survey
20000002483	2005-2007	Golden Chalice Resources Inc		Benefication Studies, Geochemical
20000004307	2005-2009	Golden Chalice Resources Inc, Terrence Stanley Nicholson		Benefication Studies, Prospecting By Licence Holder
42C01SE2001	2000	Kennecott Canada Inc		Diamond Drilling
42C01SE2002	2000	Kennecott Can Expl Inc		Electromagnetic, Magnetic / Magnetometer Survey, Open Cutting
42G02NE2002	1997-1999	Canabrava Diamond Corp	Kapuskasing Area	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magn Geochemical, Microscopic Studies
42C01SE0002	1990	R Gilbert		Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42C01NE0400	1983	Tundra Gold Mines Ltd	Matchinameigus Lake Area	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magn
42C01NE8674	1974	Ontario Dept Of Mines	Matchinameigos Lake Area	Geological Survey / Mapping
42C01NW0013	1974	Umex Corp Ltd		Other
20000019833	1962	Algoma Central Railway Co	Sault algoma No 1 Project (ACR)	Geological Survey / Mapping
42C01SE0005	1962-1963	Algoma Central Railway		Geological Survey / Mapping
42C01SE0200	1962	J Macintosh		Geological Survey / Mapping
42C01SE0001	1961	Algoma Central Railway		Geochemical, Geological Survey / Mapping

KEESICKQUAYASH TOWNSHIP

Report Number	Year	Company	Property	Work Type
20000000060	2007-2008	Chalice Diamond Corp	Chapleau Main Block	Airborne Electromagnetic, Airborne Magnetometer
20000004067	2007-2009	Chalice Diamond Corp		Benefication Studies, Geochemical
20000003163	2006-2008	Chalice Diamond Corp	Chapleau Diamond Project	Assaying and Analyses, Prospecting By Licence Holder
20000002080	2005-2007	Golden Chalice Resc Inc		Geochemical
20000002483	2005-2007	Golden Chalice Resources Inc		Benefication Studies, Geochemical
20000004307	2005-2009	Golden Chalice Resources Inc, Terrence Stanley Nicholson		Benefication Studies, Prospecting By Licence Holder
42C01SE2001	2000	Kennecott Canada Inc		Diamond Drilling
42C01NE2003	1997-1998	Canabrava Diamond Corp	Whitefish Lake Area	Airborne Magnetometer, Geochemical, Microscopic Studies, Other
42G02NE2002	1997-1999	Canabrava Diamond Corp	Kapuskasing Area	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer, Geochemical, Microscopic Studies
42C01SE0002	1990	R Gilbert		Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42C01NE0400	1983	Tundra Gold Mines Ltd	Matchinameigus Lake Area	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42C01NW0013	1974	Umex Corp Ltd		Other
20000019833	1962	Algoma Central Railway Co	Sault algoma No 1 Project (ACR)	Geological Survey / Mapping
42C01SE0005	1962-1963	Algoma Central Railway		Geological Survey / Mapping
42C01SW8874	1962-1963	J Macintosh, S Vishnupada		Compilation and Interpretation - Geology
42C01SE0001	1961	Algoma Central Railway		Geochemical, Geological Survey / Mapping
42C01SE0008	1961-1963	Unknown		Regional or Reconnaissance Ground Exploration
42C01NE8667	1953-1956	Frobisher Ltd	Dalton Project, Lake Matchinameighs Area	Airborne Electromagnetic, Airborne Magnetometer, Electromagnetic, Geological Survey / Mapping

DOLSON TOWNSHIP

Report Number	Year	Company	Property	Work Type
20000019621	2019	CJP Exploration Inc	Wawa Diamonds Property	Prospecting By Licence Holder, Rock Sampling
20000008242	2012-2014	Lakeland Resources Inc	Ballard Project	Assaying and Analyses, Prospecting By Licence Holder
20000002774	2008	Chalice Diamond Corp		Magnetic / Magnetometer Survey
20000002953	2008	Chalice Diamond Corp		Linecutting, Magnetic / Magnetometer Survey
20000003252	2008	Chalice Diamond Corp	Bird Property	Airborne Electromagnetic, Airborne Magnetometer
20000003370	2008	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000004069	2008-2009	Campbell James Laidlaw, Chalice Diamond Corp, Golden Chalice Resources Inc, Gord Alexander Hume, Graham Stone, Joseph Frank Mihelcic, Terrance Stanley Nicholson		Assaying and Analyses, Prospecting By Licence Holder
20000004576	2008	Chalice Diamond Corp		Benefication Studies, Geochemical
20000015678	2008-2009	Chalice Diamond Corp	Bruyere and Dolson Township Properties	Assaying and Analyses, Soil/Till Sampling
20000000009	2007	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000000041	2007	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000000060	2007-2008	Chalice Diamond Corp	Chapleau Main Block	Airborne Electromagnetic, Airborne Magnetometer
20000002484	2007	Golden Chalice Resources Inc		Geological Survey / Mapping, Overburden Stripping
20000002485	2007	Chalice Diamond Corp	Klondike Gold Echum Joint Venture	Bedrock Trenching, Geological Survey / Mapping, Manual Labour, Overburden Stripping
20000003320	2007-2008	Chalice Diamond Corp		Linecutting, Magnetic / Magnetometer Survey
20000003905	2007-2009	C James Laidlaw, Chalice Diamond Corp, Golden Chalice Resources Inc, Gord Hume, Graham Stone, Joe Mihelcic, Michael A Tremblay, Rudolf Wahl, Terrence Stanley Nicholson		Assaying and Analyses, Prospecting By Licence Holder
20000004067	2007-2009	Chalice Diamond Corp		Benefication Studies, Geochemical
20000002020	2006-2007	Golden Chalice Resources Inc	Fletch Occurrence Property	Linecutting, Magnetic / Magnetometer Survey
20000002578	2006-2007	Golden Chalice Resc Inc		Linecutting, Magnetic / Magnetometer Survey

20000000009	2007	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000000041	2007	Chalice Diamond Corp		Airborne Electromagnetic, Airborne Magnetometer
20000000060	2007-2008	Chalice Diamond Corp	Chapleau Main Block	Airborne Electromagnetic, Airborne Magnetometer
20000002484	2007	Golden Chalice Resources Inc		Geological Survey / Mapping, Overburden Stripping
20000002485	2007	Chalice Diamond Corp	Klondike Gold Echum Joint Venture	Bedrock Trenching, Geological Survey / Mapping, Manual Labour, Overburden Stripping
20000003320	2007-2008	Chalice Diamond Corp		Linecutting, Magnetic / Magnetometer Survey
20000003905	2007-2009	C James Laidlaw, Chalice Diamond Corp, Golden Chalice Resources Inc, Gord Hume, Graham Stone, Joe Mihelcic, Michael A Tremblay, Rudolf Wahl, Terrence Stanley Nicholson		Assaying and Analyses, Prospecting By Licence Holder
20000004067	2007-2009	Chalice Diamond Corp		Benefication Studies, Geochemical
20000002020	2006-2007	Golden Chalice Resources Inc	Fletch Occurrence Property	Linecutting, Magnetic / Magnetometer Survey
20000002578	2006-2007	Golden Chalice Resc Inc		Linecutting, Magnetic / Magnetometer Survey
20000003163	2006-2008	Chalice Diamond Corp	Chapleau Diamond Project	Assaying and Analyses, Prospecting By Licence Holder
20000003170	2006-2008	Chalice Diamond Corp		Assaying and Analyses, Prospecting By Licence Holder
20000004095	2006-2009	Chalice Diamond Corp		Benefication Studies, Geological Survey / Mapping, Prospecting By Licence Holder
20000004190	2006-2009	Golden Chalice Resources Inc, Terrence Stanley Nicholson		Benefication Studies, Prospecting By Licence Holder
20000002080	2005-2007	Golden Chalice Resc Inc		Geochemical
20000002408	2005-2007	Golden Chalice Resc Inc		Linecutting, Magnetic / Magnetometer Survey
20000002483	2005-2007	Golden Chalice Resources Inc		Benefication Studies, Geochemical
20000004307	2005-2009	Golden Chalice Resources Inc, Terrence Stanley Nicholson		Benefication Studies, Prospecting By Licence Holder
42C01NE2006	2002	Jacques Robert, Michael Tremblay	Matchinameigo and Fletch properties	Benefication Studies, Geological Survey / Mapping, Overburden Stripping
42C01NE2005	2000-2002	Michael A Tremblay	Matchinameigo and Fletch properties	Geochemical, Mechanical, Microscopic Studies, Overburden Stripping, Prospecting By Licence Holder
42C01NE2002	1998	2973090 Canada Inc, David R Healey	Ballard Lake Project	Geochemical, Geological Survey / Mapping, Induced Polarization, Open Cutting, Prospecting By Licence Holder
42C01NE2001	1997	Claude C Clement, Klause Becker		Assaying and Analyses, Manual Labour, Mechanical, Overburden Stripping, Prospecting By Licence Holder
42C01NE2003	1997-1998	Canabrava Diamond Corp	Whitefish Lake Area	Airborne Magnetometer, Geochemical, Microscopic Studies, Other
42C01NE0424	1990	Anglo Porcupine Gold Mines Ltd	Echum-Dolson Property	Geochemical, Geological Survey / Mapping, Mechanical, Overburden Stripping
42C01NW0001	1989	Tenoga Consultants Inc	Murray Lake Project	Electromagnetic, Electromagnetic Very Low Frequency
42C01SE0410	1988	Mpd Consultants Inc	M P D Consulting Ltd Property	Assaying and Analyses, Geochemical, Geological Survey / Mapping
42C08NE0044	1985	H Ferderber Geophysics	Dog Lake Area	Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42C01NE0400	1983	Tundra Gold Mines Ltd	Matchinameigus Lake Area	Airborne Electromagnetic, Airborne Electromagnetic Very Low Frequency, Airborne Magnetometer
42C07SW0031	1903-1984	Intl Corona Resc Ltd		Airborne Electromagnetic, Airborne Magnetometer, Airborne Resistivity, Electromagnetic, Electromagnetic Very Low Frequency, Geochemical, Geological Survey / Mapping, Magnetic / Magnetometer Survey, Miscellaneous Compilation and Interpretation, Prospecti*
42C08SE0674	1975	Umex Inc		Assaying and Analyses, Diamond Drilling, Electromagnetic, Geological Survey / Mapping, Magnetic / Magnetometer Survey
42C01NE8674	1974	Ontario Dept Of Mines	Matchinameigos Lake Area	Geological Survey / Mapping
42C01NW0013	1974	Umex Corp Ltd		Other
20000005218	1970	Ontario Syndicate		Electromagnetic, Electromagnetic Very Low Frequency, Linecutting, Magnetic / Magnetometer Survey
20000019834	1968	Multi-Minerals Limited	Multi-Minerals Property	Diamond Drilling
42C01NE8670	1966-1968	Multi-Minerals Ltd, Talisman Mines Ltd	Multi-Minerals Limited Property	Airborne Electromagnetic, Airborne Magnetometer, Electromagnetic
20000019833	1962	Algoma Central Railway Co	Sault algoma No 1 Project (ACR)	Geological Survey / Mapping
42C01SE0005	1962-1963	Algoma Central Railway		Geological Survey / Mapping
42C01SW8874	1962-1963	J Macintosh, S Vishnupada		Compilation and Interpretation - Geology

42C08SE0034	1962	J Macintosh	L H Peters Claim Group	Geological Survey / Mapping
42C08SE0675	1958	Unknown	Swanson Lake Property	Electromagnetic, Magnetic / Magnetometer Survey
42C01NE0416	1957	P Hopkins		Assaying and Analyses, Diamond Drilling
42C01NE0413	1956	Frobisher Ltd	Dalton Project	Diamond Drilling
42C01NE0415	1956	P Hopkins	Project H-6-A	Diamond Drilling
42C01NE0419	1956	Belmine Expl Ltd		Electromagnetic, Other
42C01NE0422	1956	Belmine Expl Ltd		Assaying and Analyses, Diamond Drilling
42C01NE8797	1956	Frobisher Ltd	Dalton Project	Diamond Drilling
42C01NE0414	1955	Macfie Expl Ltd	Macfie Property	Assaying and Analyses, Diamond Drilling
20000019835	1953	Algoma Central Railway	Paradis Lake Anomaly	Prospecting By Licence Holder
42C01NE8667	1953-1956	Frobisher Ltd	Dalton Project, Lake Matchinameighs Area	Airborne Electromagnetic, Airborne Magnetometer, Electromagnetic, Geological Survey / Mapping
42C08SE0771	1935	Algoma Central Railway		Other

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