

We are committed to providing [accessible customer service](#).

If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).

Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).

GEOSCIENTIFIC INTERPRETATION REPORT

.....K h
..... V

Prepared For
Sanatana Resources Inc.



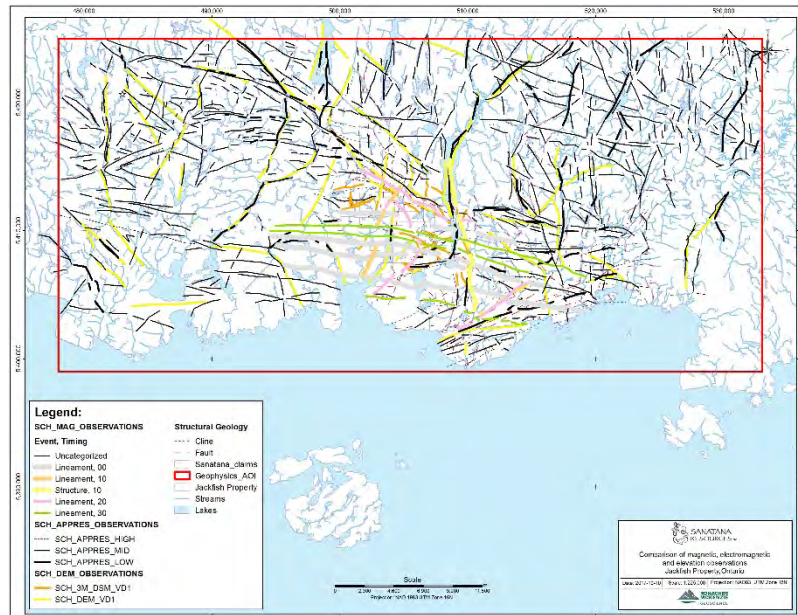
Prepared By

Jenna McKenzie, P.Geo.
Elisabeth Ronacher, PhD, P.Geo.
Farzaneh Farahani, MSc, G.IT

Ronacher McKenzie Geoscience Inc.



October 11th, 2017



Structural Interpretation of the Jackfish Property
NAD83 UTM Zone 16
NTS42D

TABLE OF CONTENTS

1.0 INTRODUCTION	3
1.1 UNITS	3
1.2 RONACHER MCKENZIE GEOSCIENCE QUALIFICATIONS	3
2.0 PROPERTY DESCRIPTION AND LOCATION	4
3.0 GEOLOGICAL SETTING AND MINERALIZATION.....	7
3.1 REGIONAL GEOLOGY	7
3.2 LOCAL GEOLOGY.....	8
3.3 PROPERTY GEOLOGY	8
3.3.1 Structure.....	10
3.4 MINERALIZATION.....	11
3.4.1 Occurrences.....	12
4.0 STRUCTURAL ANALYSIS AND GEOLOGIC INTERPRETATION.....	14
4.1 METHODOLOGY.....	14
4.2 OBSERVATIONS – MAGNETICS.....	15
4.3 OBSERVATIONS – ELECTROMAGNETICS.....	23
4.4 OBSERVATIONS – DIGITAL ELEVATION MODEL.....	24
5.0 INTEGRATED INTERPRETATION.....	26
6.0 RECOMMENDATIONS.....	33
7.0 REFERENCES	34
8.0 STATEMENT OF AUTHORSHIP.....	36

FIGURES

Figure 2-1. Location of the Jackfish Project.....	5
Figure 2-2. Claim fabric of the Jackfish property.....	7
Figure 3-1. Map showing the location of the Wawa subprovince of the Superior Province.....	8
Figure 3-2: Geological map of the area around the Jackfish property.....	10
Figure 3-3. Property geology map.....	11
Figure 4-1. Area of Interest for Structural Review of Jackfish Property.....	15
Figure 4-2. Ternary plot highlighting structure.....	17
Figure 4-3. Ternary plot highlighting geology.....	18
Figure 4-4. Regional magnetic observations.....	19
Figure 4-5. Magnetic observations and timing - Jackfish Property.....	20
Figure 4-6. Magnetic observations compared to bedrock geology.....	21
Figure 4-7. Magnetic observations compared to mapped structural features.....	22
Figure 4-8. Geology ternary plot and bedrock geology.....	23
Figure 4-9. Observations from Schreiber apparent resistivity products. The high-frequency apparent resistivity is underlain.....	24
Figure 4-10. Schreiber DEM-VD1 observations.....	25
Figure 4-11. VD1 of 3 m DSM of the Jackfish property, with observations.....	26
Figure 5-1. Comparison of magnetic, electromagnetic and elevation observations.....	27
Figure 5-2. Review of Cliff Zone.....	29
Figure 5-3. The North Zone.....	30
Figure 5-4. Christie Lake, Crystal Creek and Glory Hole occurrences.....	31
Figure 5-5. Empress Structure.....	32

TABLES

Table 2-1. List of claims of the Jackfish property.....	5
Table 4-1. Specifications of the Schreiber airborne geophysical survey.....	14
Table 4-2. Magnetic filters of the Schreiber dataset.....	15
Table 4-3. Timing legend for magnetic observations.....	18
Table 5-1. Showings and geophysical observations.....	27

APPENDICES

- Appendix 1 – Statement of Qualifications
- Appendix 2 - Jackfish Property Cell Mining Claims**
- Appendix 3 - Expenditure Statement and Distribution**
- Appendix 4 - Invoices Supporting Expenditure**

1.0 INTRODUCTION

Sanatana Resources Inc. (“Sanatana”) commissioned Ronacher McKenzie Geoscience (“Ronacher McKenzie”) to complete a structural interpretation of regional magnetic data and a geoscientific interpretation on Sanatana’s Jackfish (“the property”) near Terrace Bay, Ontario.

The main sources of information were the Ontario Geological Survey (“OGS”) and Sanatana. Sanatana provided tenure information and historic reports; additional historic information, geological literature and geophysical data was obtained from the public domain, primarily the Ontario Geological Survey (“OGS”).

1.1 Units

The metric system of measurement is used in this report. Historic data are typically reported in imperial units and were converted for this report using appropriate conversion factors. Ounces per (short) ton are converted to grams per (metric) tonne using the conversion factor of 34.2857. One foot is 0.3048 m. One gamma (unit of magnetic intensity) is 1×10^{-9} T or 1 nT.

Universal Transverse Mercator (UTM) coordinates are provided in the datum of NAD83, Zone 16N.

1.2 Ronacher McKenzie Geoscience Qualifications

Ronacher McKenzie Geoscience is an international consulting company with offices in Toronto and Sudbury, Ontario, Canada. Ronacher McKenzie’s mission is to use intelligent geoscientific data integration to help mineral explorationists focus on what matters to them. We help a growing number of clients understand the factors that control the location of mineral deposits.

With a variety of professional experience, our team’s services include:

- Data Integration, Analysis and Interpretation
- Geophysical Services
- Project Generation and Property Assessment
- Exploration Project Management
- Resource Estimation and Independent Technical Reporting
- Project Promotion
- Lands Management

The primary Qualified Person and co-author of this Report is Ms. Jenna McKenzie, Hons. B.Sc., P.Geo. Ms. McKenzie is co-founder and Principal Geophysicist to Ronacher McKenzie Geoscience and a geoscientist in good standing with the Association of Professional Geoscientists of Ontario (APGO #1653). Ms. McKenzie has worked as a geophysicist since 2001 in the exploration and mining industry on a variety of exploration properties such as porphyry-copper, gold, VMS, Ni-Cu-PGE, diamond-bearing-kimberlite and potash. Ms.

McKenzie has co-written several Independent Technical Reports (NI 43-101) on a variety of deposit types with specific focus on geophysics surveying and interpretation. Ms. McKenzie is responsible for this report and did not visit the Property.

Another Qualified Person and co-author of this Report is Elisabeth Ronacher Ph.D., P.Geo. Dr. Ronacher is co-founder and Principal Geologist to Ronacher McKenzie Geoscience and a geologist in good standing of the Association of Professional Geoscientists of Ontario (APGO #1476). Dr. Ronacher has worked as a geologist since 1997 with academia and industry on a variety of exploration properties such as Au, Cu, base-metal, Cu-Ni PGE and U. Dr. Ronacher has written several Independent Technical Reports (NI 43-101) on a variety of deposit types. Dr. Ronacher is jointly-responsible for this report and visited the Property on March 22, 2017 (Ronacher and Peshkepia 2017).

Additionally, Farzaneh Farahani, MSc, G.I.T., is registered as a Geoscientist in Training ("G.I.T.") with the Association of Professional Geoscientists of Ontario (APGO #10276). She has assisted in summarizing historical reports and assisted with the compilation of this report. Mrs. Farahani is a Project Geophysicist to Ronacher McKenzie Geoscience Inc. Her work was supervised by Ms. McKenzie. Mrs. Farahani did not visit the Property.

Statements of Qualification are provided in Appendix 1.

2.0 PROPERTY DESCRIPTION AND LOCATION

Sanatana's Jackfish property is located within the Syine and Tuuri Townships in northwestern Ontario, approximately 250 km east of Thunder Bay (Figure 2-1). Syine Township is approximately 16 km east of Terrace Bay, situated on the north shore of Lake Superior and is traversed by Trans-Canada Highway 17. The property consists 34 contiguous mineral claims in the Thunder Bay Mining Division, covering 3,664 hectares. The property is centered on 504,100 m E and 5,410,500 m N NAD 83 Zone 16 or a latitude of 48° 50' 51" N and longitude of 86° 56' 39" E.

Legal access to the property is via Highway 17, which crosses the property.

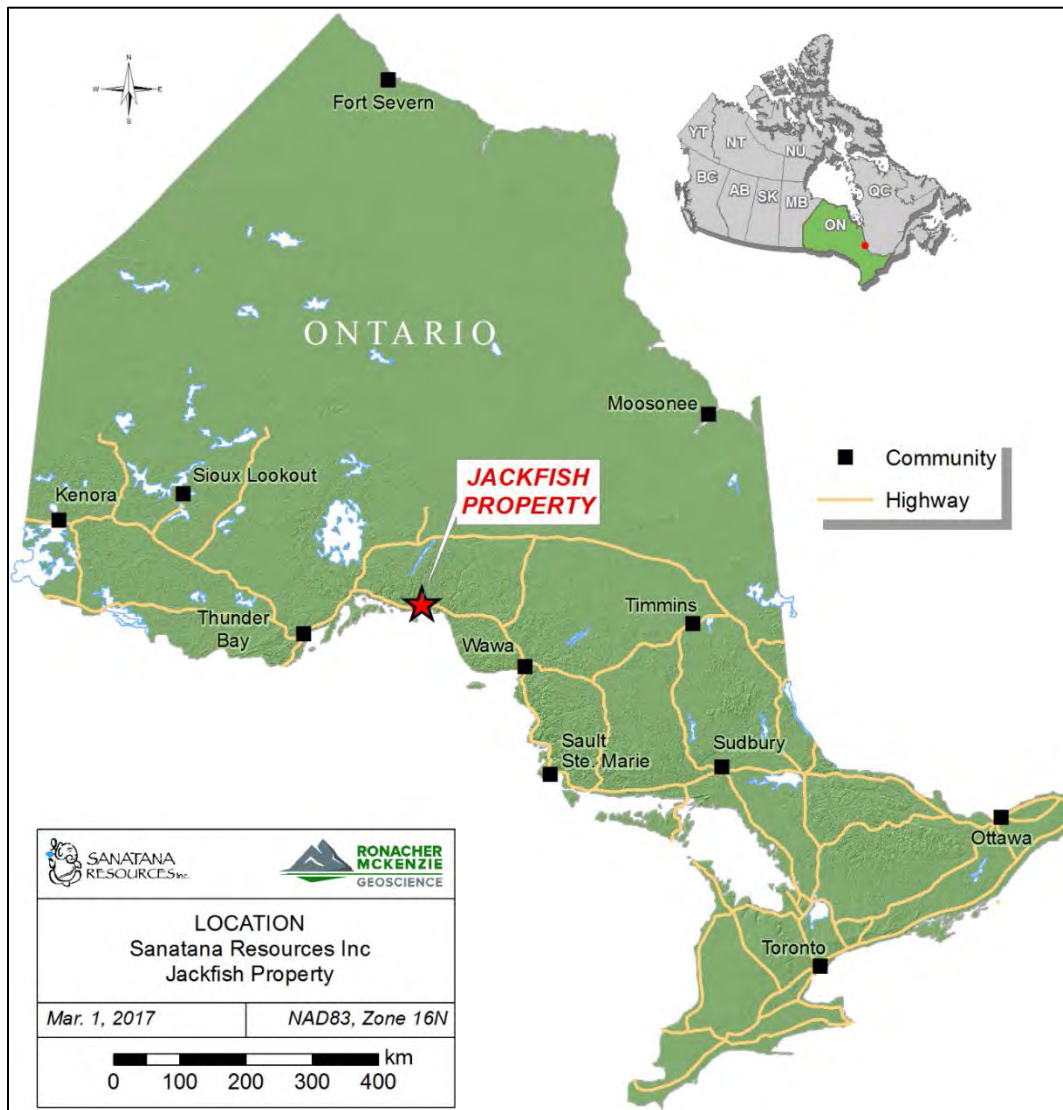


Figure 2-1. Location of the Jackfish Project.

Table 2-1. List of claims of the Jackfish property. (Updated to cell mining claims in Appendix 2)

Claim Number	Claim Owner	Claim Due Date	Units	Area (ha)
3003597	100% Wayne Larry Richards	2017-Dec-09	16	256
3003598	50% James Mark Hamel, 50% Wayne Larry Richards	2017-Dec-09	9	144
4207575	50% James Mark Hamel, 50% Wayne Larry Richards	2018-Mar-30	4	64
4207577	50% James Mark Hamel, 50% Wayne Larry Richards	2018-Jul-26	2	32
4218780	50% James Mark Hamel, 50% Wayne Larry Richards	2018-Jul-03	8	128
4228965	50% James Mark Hamel, 50% Wayne Larry Richards	2017-Dec-09	8	128
4228966	50% James Mark Hamel, 50% Wayne Larry Richards	2017-Dec-09	8	128

Claim Number	Claim Owner	Claim Due Date	Units	Area (ha)
4240822	50% James Mark Hamel, 50% Wayne Larry Richards	2018-Dec-09	2	32
4240823	50% James Mark Hamel, 50% Wayne Larry Richards	2018-Dec-09	3	48
4240824	100% Wayne Larry Richards	2019-Mar-03	12	192
4240825	100% Wayne Larry Richards	2018-May-07	8	128
4246252	50% James Mark Hamel, 50% Wayne Larry Richards	2018-Apr-08	5	80
4246253	50% James Mark Hamel, 50% Wayne Larry Richards	2018-Apr-08	1	16
4246412	100% Wayne Larry Richards	2018-Oct-01	16	256
4246414	100% Wayne Larry Richards	2018-Nov-03	10	160
4247131	100% Wayne Larry Richards	2018-Feb-02	13	208
4247132	100% Wayne Larry Richards	2018-Feb-02	16	256
4247135	100% Wayne Larry Richards	2018-May-07	9	144
4247138	100% Francine Richards	2018-Mar-18	6	96
4247133	100% Wayne Larry Richards	2018-Feb-02	16	256
4247134	100% Wayne Larry Richards	2018-Feb-02	6	96
3015227	100% Rudolf Wahl	2019-May-15	14	224
1195779	100% Alto Ventures Ltd.	2018-Jul-15	6	96
1196616	100% Alto Ventures Ltd.	2018-Mar-28	1	16
1208187	100% Alto Ventures Ltd.	2018-Feb-13	4	64
1208188	100% Alto Ventures Ltd.	2018-May-17	1	16
1208189	100% Alto Ventures Ltd.	2018-Feb-13	3	48
1208190	100% Alto Ventures Ltd.	2018-May-17	8	128
1208719	100% Alto Ventures Ltd.	2018-Apr-16	4	64
1210334	100% Alto Ventures Ltd.	2018-Feb-12	1	16
1224854	100% Alto Ventures Ltd.	2018-May-21	6	96
1224888	100% Alto Ventures Ltd.	2018-Dec-11	3	48
3008228	100% Alto Ventures Ltd.	2018-Jul-11	8	128
845646	100% Alto Ventures Ltd.	2018-Dec-27	1	16

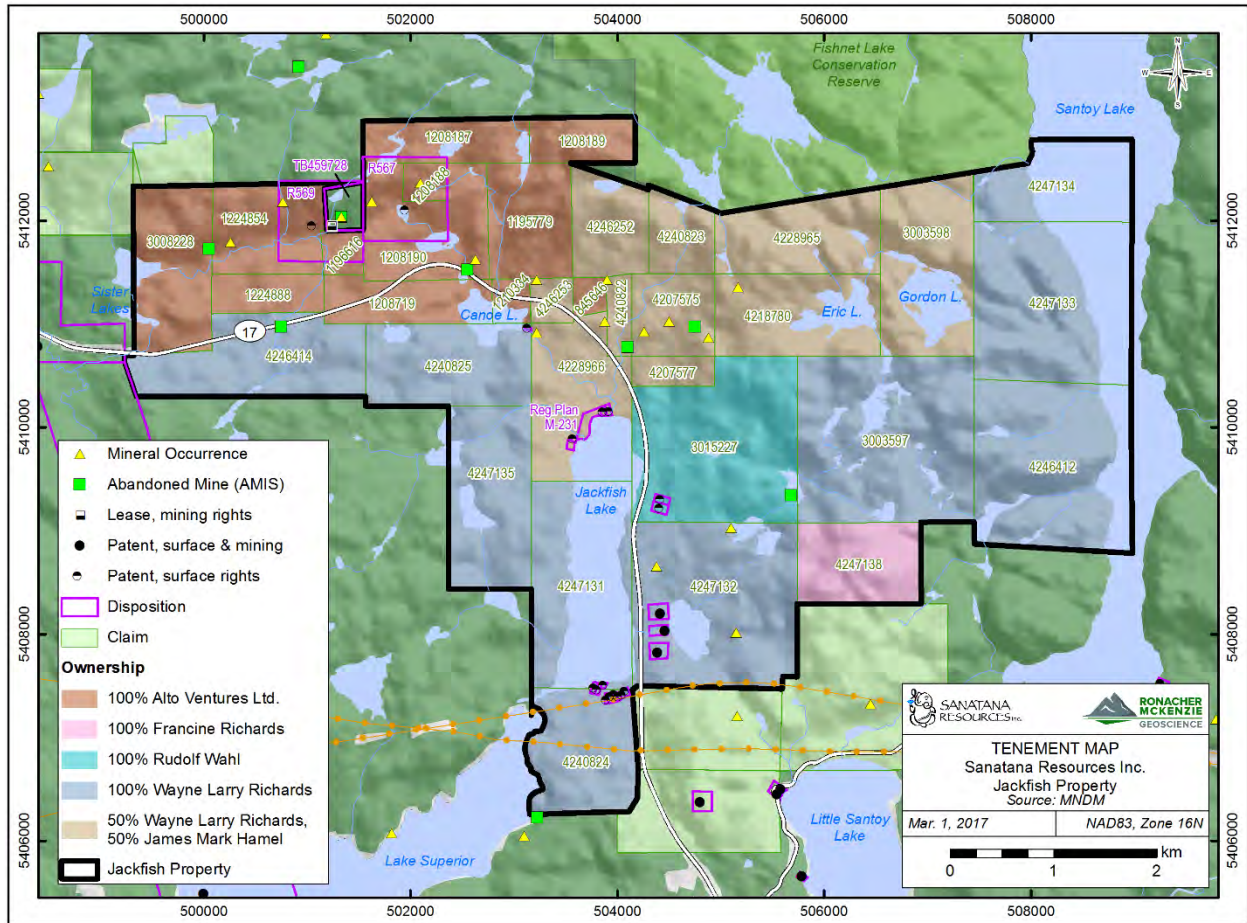


Figure 2-2. Claim fabric of the Jackfish property. (Updated to cell mining claims in Appendix 2 Figure 2.2 Revised)

3.0 GEOLOGICAL SETTING AND MINERALIZATION

3.1 Regional Geology

The property is located in the Wawa subprovince of the Superior Province of the Canadian Shield. The Superior Province is the world’s largest Archean craton; it formed by amalgamation of subprovinces of various origins (plutonic, volcanic-plutonic, gneissic, sedimentary) (Polat and Kerrich 2000). The subprovinces range in age from 3.0 to 2.65 Ga. The Wawa Subprovince extends from Minnesota in the west to the Kapuskasing structural zone in the east (Figure 3-1). The Quetico subprovince is located to the north of the Wawa subprovince and the south-eastern boundary is represented by the Batchawana fault zone. The southern boundary is located under Lake Superior.

Two areas of greenstone belts characterize the subprovince: one along its northern border and one in its central parts. The former area includes the Schreiber-Hemlo greenstone belt where the property is located.



Figure 3-1. Map showing the location of the Wawa subprovince of the Superior Province.

3.2 Local Geology

The Schreiber-Hemlo Greenstone belt consists of volcanic and siliciclastic sedimentary rocks. The belt is subdivided into three assemblages. The Schreiber assemblage consists of 2.75-2.70 Ga old volcanic rocks, 2.70-2.68 Ga old intrusive rocks and 2.705-2.697 Ga old siliciclastic sedimentary rocks (turbidite) (Polat and Kerrich 1999). The Hemlo-Black River and Heron Bay assemblages are composed of similar volcanic and siliciclastic sedimentary rocks as the Schreiber assemblage. The latter two assemblages are separated by the right-lateral Lake Superior-Hemlo fault zone. The Schreiber and Hemlo-Black River assemblages are separated by the Coldwell alkalic complex.

3.3 Property Geology

The property is centred on the Terrace Bay batholith, a massive, medium grained granodiorite intrusion (Marmont 1984). Marmont (1984) also indicated the presence of minor diorite, quartz monzonite, tonalite and

biotite/hornblende granite. In addition, late aplite, pegmatite and alkali feldspar granite phases occur. The size of the batholith is approximately 25 km × 8 km. The batholith is cut by late diabase and lamprophyre dikes. Although the batholith is dominantly massive and undeformed, distinct zones of fracturing and shearing exist (Puumala, et al. 2014).

The Terrace Bay batholith intruded metavolcanic rocks, dominantly felsic agglomerate and intermediate to mafic fragmental rocks. The intermediate to mafic rocks range from iron-rich tholeiitic basalts to andesite with pillow structures to calc-alkalic dacitic rocks. The pillows are stretched in an easterly direction (Marmont 1984). Interstices between pillows are filled with hyaloclastite and locally with iron-sulfides (Magnus and Arnold, 2016). Felsic volcanic rocks (tuff, lapilli tuff, pyroclastic breccia) are less abundant than the intermediate and mafic rocks. Even less abundant are clastic and chemical metasedimentary rocks (greywacke, chert, coarse fragmental rocks, graphitic shale, sulfide-rich iron formation).

The rocks are metamorphosed to greenschist facies. The intrusion of the batholith caused contact metamorphism in the host rocks around the batholith. The contact aureole extends about 400 m into the country rocks (Figure 3-2).

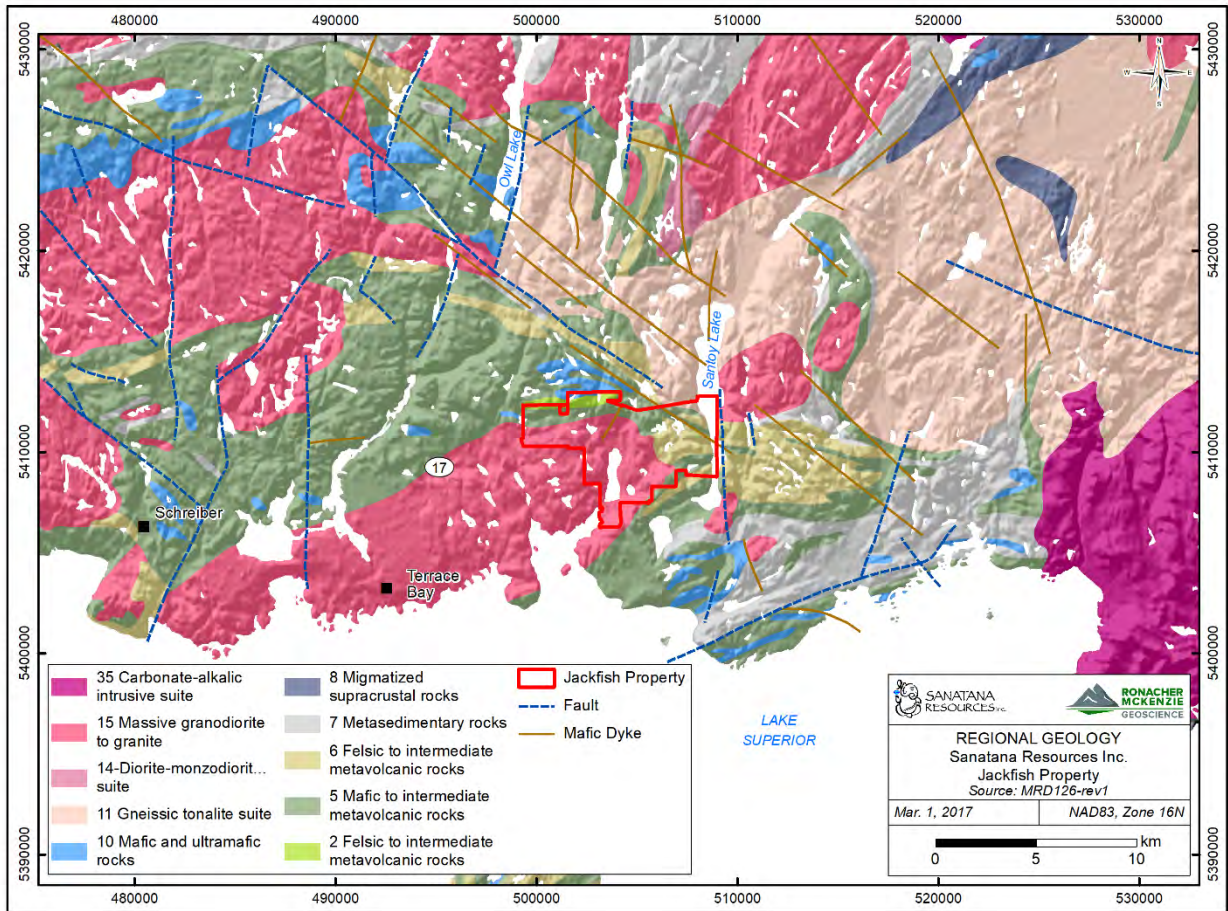


Figure 3-2: Geological map of the area around the Jackfish property.

3.3.1 Structure

The general trend of the belt is southeast. Near the contact of the supracrustal rocks and the batholith, the units dip steeply away from the intrusion. The supracrustal rocks form a synclinal fold with a southeast trending axis northwest of the batholith.

Foliation and schistosity dip to the north and northwest (Marmont 1984). Marmont (1984) recognized several directions of lineaments (N, NE and NW), although he did not further interpret these lineaments. However, he described two major faults in the area: the right lateral Schreiber Point Fault and the Worthington Bay Fault, which truncates the western margin of the batholith. Both faults are outside of the property (Figure 3-3).

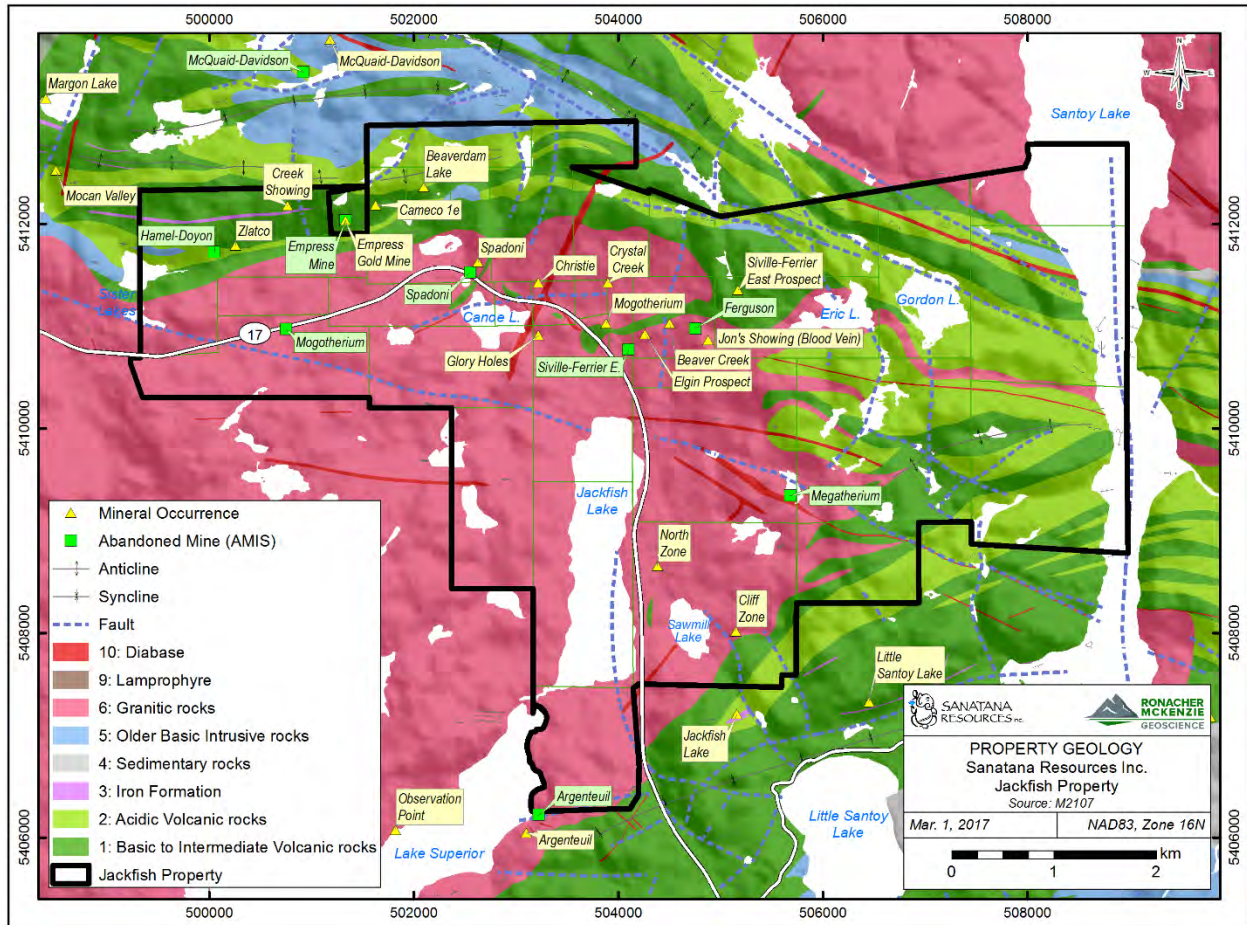


Figure 3-3. Property geology map.

3.4 Mineralization

Marmont (1984) described gold mineralization with minor Ag, Cu, Mo, Pb and Zn from the margins of the batholith. The mineralization is hosted by discrete, single lensoid or sets of sub-parallel quartz-carbonate veins enveloped by potassic, carbonate and silica alteration halos. The veins typically trend sub-parallel to the contact between the batholith and the supracrustal rocks. Locally, e.g., in the abandoned North Shore Mine, the veins cross-cut the intrusions. Several of the veins fill fractures that show moderate to extensive shearing, e.g., at the abandoned Empress mine where the mafic volcanic rocks are sheared to talc-chlorite-sericite schist. Late, northeast or northwest trending faults offset the veins. The veins are between 0.5 and 40 cm wide and undeformed (Magnus and Arnold 2016). The dominant sulfides in the veins are pyrite, chalcopyrite, sphalerite, galena and molybdenite; gold occurs as native gold. Up to 10% sulfide minerals can occur in the veins (Magnus and Arnold 2016). Marmont (1984) described two types of pyrite: coarse-grained, euhedral pyrite with fractures and gold inclusions, and fine-grained, euhedral to anhedral pyrite that is completely barren. Tellurides, dominantly altaite and tetradytmite, also occur.

Some of the mineralized areas are brecciated where the breccias consist of angular, strongly altered wall rock fragments in a quartz matrix.

Alteration around the veins extends from a few to tens of centimetres into the wall rock. The main alteration minerals are sericite and biotite close to the vein to sericite-carbonate-chlorite and carbonate-chlorite farthest away from the vein. Pyrite occurs in all alteration types.

Mineralization also occurs in zones of intense shearing (Marmont 1984). Marmont (1984) interpreted the mineralization to have formed during or immediately after periods of shearing. He speculated that gold may also have been remobilized from the country rock due to dehydration and redeposited in veins.

In addition to the gold mineralization, Marmont (1984) also describes Cu-Mo mineralization hosted by veins with sericite and hematite alteration within the batholith.

3.4.1 Occurrences

Since the end of the 19th century exploration work on the Jackfish property has identified a number of gold and base metal occurrences. A few occurrences that have seen more detailed investigation over the years are described in this section.

The main occurrences are the Cliff Zone and North Zone. Both showings are located within the Terrace Bay Batholith near its eastern margin.

Cliff Zone

The Cliff Zone is exposed on an east-northeast (070°)-trending, approximately 60 m long cliff face (Figure 3-3) east of Sawmill Lake. Puumala et al. (2014) describe the Cliff Zone as a series of parallel quartz veins that are hosted in altered granodiorite and that contain sulfides, dominantly pyrite, chalcopyrite and galena. Specular hematite and native silver also occur. The quartz veins are typically a few centimetres to 20 cm wide. They are hosted by brittle fractures in the host granodiorite and dip to the west at 45°. The dominant alteration is silicification.

North Zone

The North Zone is located approximately 1 km northwest of the Cliff Zone (Figure 3-3) and consists of granodiorite outcrop hosting quartz veins with disseminated pyrite and galena (Puumala, et al. 2014). The main quartz vein trends 200° and dips between 35° and 70° to the west. Puumala et al (2014) observed intense sericite and iron carbonate alteration of the diorite. The altered granodiorite also contains disseminated sulfides.

Christie occurrence

The Christie occurrence, which is also called Blood Vein #2, was described by Schnieders et al. (1996) (Figure 3-3). The showing consists of a quartz vein of up to 4 m width. The vein contains pyrite and minor magnetite; Schnieders et al. (1996) reported up to 50% sulfides in the quartz vein locally. It trends 170°. It is hosted by pink, fine-grained aplite and biotite schist. The main commodity is silver.

Crystal creek occurrence

The Crystal Creek occurrence was also described by Schnieders et al., (1996). The showing is located about 1 km east of the Christie occurrence (Figure 3-3). The occurrence consists of a 9-12 cm wide quartz vein trending ~300° and dipping 45-50° to the southwest. The vein contains pyrite, possibly pyrrhotite and a mineral that has not been identified.

The Glory Holes occurrence

The Glory Holes occurrence, also called G1 and G2 Pits, is located approximately 600 m south of the Christie showing (Figure 3-3) and was described by Schnieders et al. (1996). Two pits exist at this location; in the G1 pit, white quartz veins were mined in the pits. The veins are hosted by mafic volcanic rocks. Lamprophyres were also reported from the area. The quartz vein in the G2 pit is reported to be flat lying and hosted by granite. The main sulfides in the vein are pyrite and galena. Pyrite also occurs as disseminations in the host granite; the disseminated pyrite is associated with silicification.

Empress Structure

The following is a description by (Samson 1999). Work by Cameco Gold in 1999 in conjunction with previous exploration surveys identified the following characteristics of the Empress Structure: The structure consists of a deformation corridor 40-50 m wide with intense deformation; alteration zones around the shear zone are between 15 and 25 m. This deformation corridor extends for a total length of at least 1.8 km eastward from the old Empress Mine at a trend of approximately 070° and is offset by cross-faulting. Deformation consists of moderate to strong shearing, accompanied by locally complex and asymmetrical folds. The dominant schistosity strikes at approximately 070°, with varying dip angles from 90° to less than 50° south. Structural measurements indicate shallow plunging fold axes towards the east to east-northeast, at 34° to less than 18° correlating in part with regional structural observations (Walker 1967). The core of the Empress Structure is generally occupied by quartz-sericite+/- biotite+/-carbonate schist, bordered to the north and south by mafic volcanic rocks (Figure 3-3).

All occurrences are hosted by the granodioritic rocks of the Terrace Bay Batholith, except the historic Empress mine, which is hosted by meta-volcanic rocks.

4.0 STRUCTURAL ANALYSIS AND GEOLOGIC INTERPRETATION

The primary source for this structural analysis was the Schreiber airborne geophysical survey, flown as part of the Operation Treasure Hunt geoscience initiative, funded by the Ontario Government (Ontario Geological Survey 2003). The Ontario Government embarked on “Operation Treasure Hunt” (OTH). The OTH initiative comprises a three-year, \$29 million program that commenced April 1, 1999. The Schreiber airborne survey is summarized in Table 5-1.

Table 4-1. Specifications of the Schreiber airborne geophysical survey

Item	Value
Survey	Schreiber
System	High-Sense frequency-domain electromagnetic and magnetic system
Datum	NAD83
Projection	UTM Zone 16N
Survey Date	Nov 5th - Dec 22nd, 1999; Jan 3rd - Jan 6th, 2000
Line Spacing (m)	200 m
Line Direction (deg)	000°
System Terrain Clearance	30 m

4.1 Methodology

The structural analysis method employed in this report consists of three stages: Observation, Compilation and Interpretation. Airborne data was filtered to produce various products highlighting different structures; key observations were recorded and interpreted in a large-scale context. All postulated structures and domain settings were evaluated for their relationship to mineralization. Known mineralized zones were obtained from the OGS Mineral Inventory Database (“MDI”).

Observations were made from magnetic data and related filters, apparent resistivities calculated from electromagnetic data, and digital elevation models (“DEM”): both from the Schreiber airborne survey and 3 m high-resolution digital surface model (“DSM”) acquired by Sanatana.

An area of interest was defined, approximately 55 x 28 km and centred on the Jackfish claims. This area helped define the regional structural framework for each technique (magnetic, electromagnetic and elevation). Once defined, the timing within the Jackfish claim area was assigned. A discussion of each set of observations is presented below.

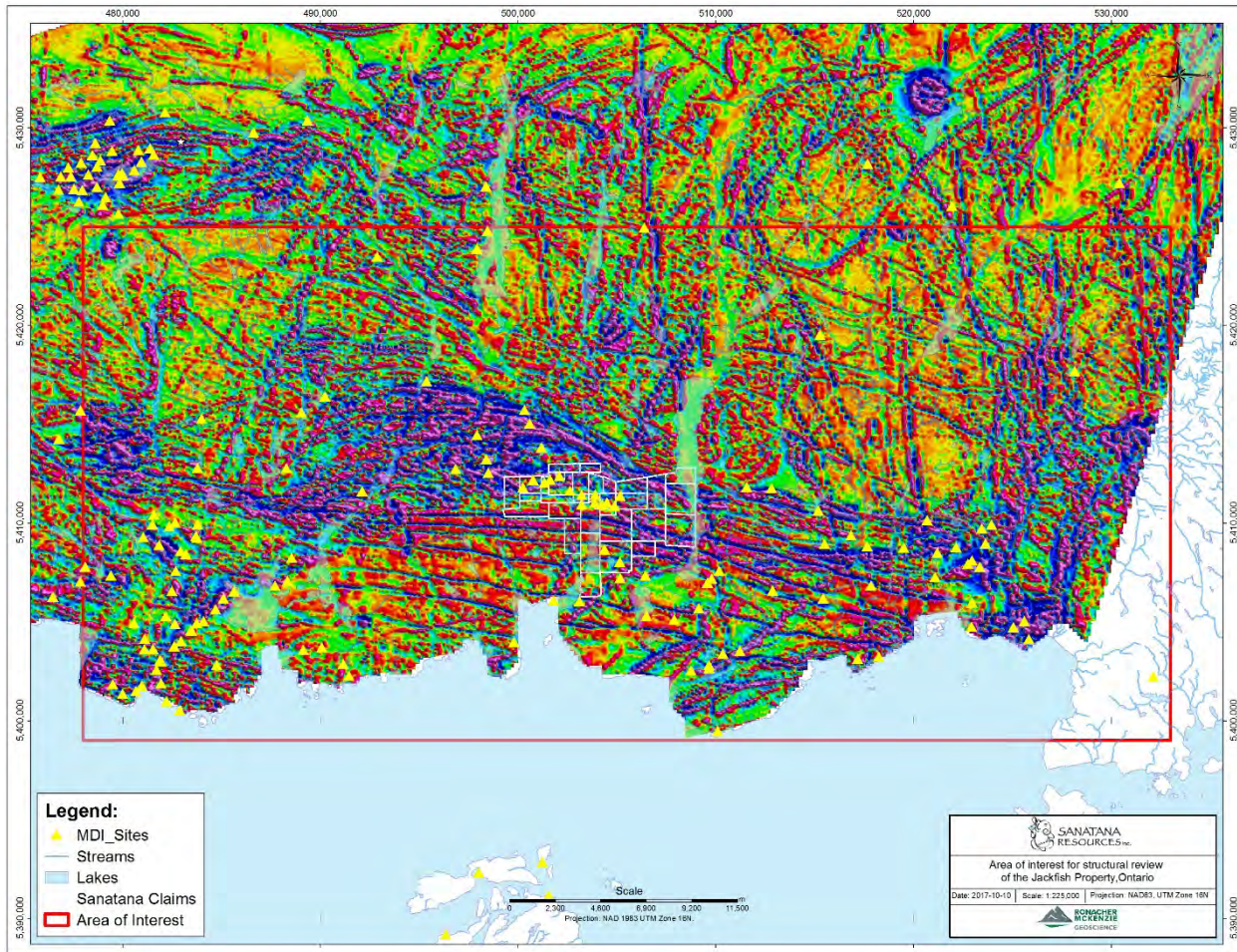


Figure 4-1. Area of Interest for Structural Review of Jackfish Property

4.2 Observations – Magnetics

The analysis of magnetic data follows the flowchart methodology developed by Siddorn (Siddorn 2010). Several filters of the total magnetic intensity (“TMI”) dataset were produced and are summarised in Table 4-2.

Table 4-2. Magnetic filters of the Schreiber dataset.

FilterID	Filter	Product	Comment
TMI	Total Magnetic Intensity	SCH_TMI	Total magnetic intensity
MVG	Mean Vertical Gradient	SCH_MVG	Vertical gradient between the upper and lower magnetic sensors
VD1	First Vertical Derivative	SCH_IGRF_LS_VD1	Vertical derivative calculated from lower sensor, referenced to the International Geomagnetic Reference Field (“IGRF”)

FilterID	Filter	Product	Comment
VD2	Second Vertical Derivative	SCH_IGRF_US_VD2	Upper sensor second vertical derivative, referenced to the IGRF
		SCH_IGRF_LS_VD2	Lower sensor second vertical derivative, referenced to the IGRF
		SCH_GSC_LS_VD2	Lower sensor second vertical derivative, levelled to the Geological Survey of Canada (GSC) 812.8 m grids.
TILT		SCH_IGRF_LS_TILT	Lower sensor tilt derivative, referenced to the IGRF. The tilt derivative is defined as the arc-tangent of the vertical derivative over the total horizontal derivative. It is useful for mapping shallow basement structures.
TERNARY_STRUCTURE	RGB Ternary product: R-VD1, G-dx, B-dy	SCH_TERNARY_STRUCTURE	RGB ternary product highlighting structure
TERNARY_GEOLOGY	RGB Ternary product: R-TMI, G-VD1, B-VD2	SCH_TERNARY_GEOLOGY	RGB ternary product highlighting geologic boundaries

Raw observations were recorded from each of the filters outlined in Table 4-2. In addition to the standard filters (VD1, VD2, TILT), ternary plots were created to highlight both structure and geological boundaries. These Red-Green-Blue (“RGB”) plots were created using the magnetic products and filters (TMI, VD1 and VD2) as well as the horizontal derivatives in the X and Y direction (“dx” an “dy” respectively). These products, and are displayed in Figure 4-2 and Figure 4-3.

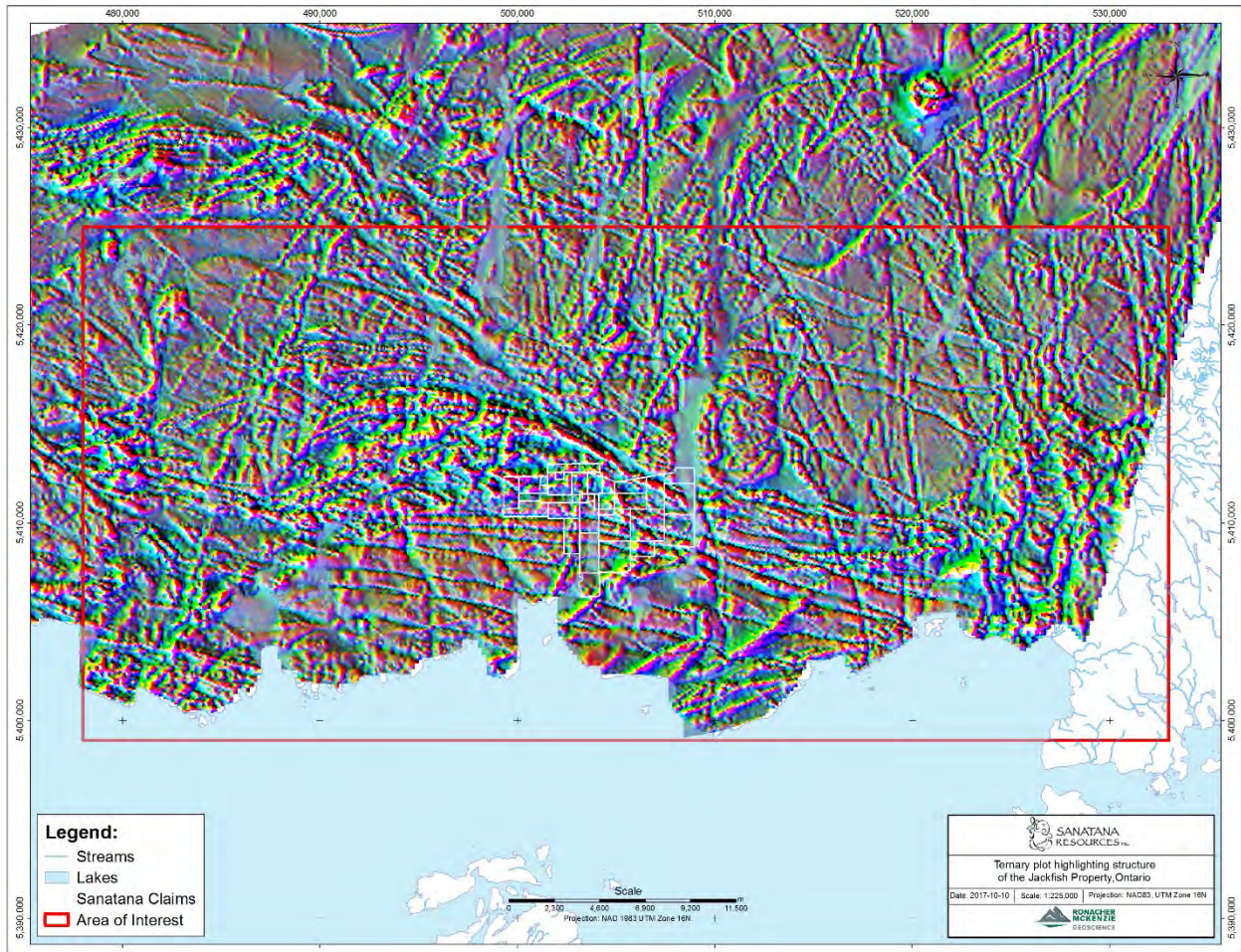


Figure 4-2. Ternary plot highlighting structure.

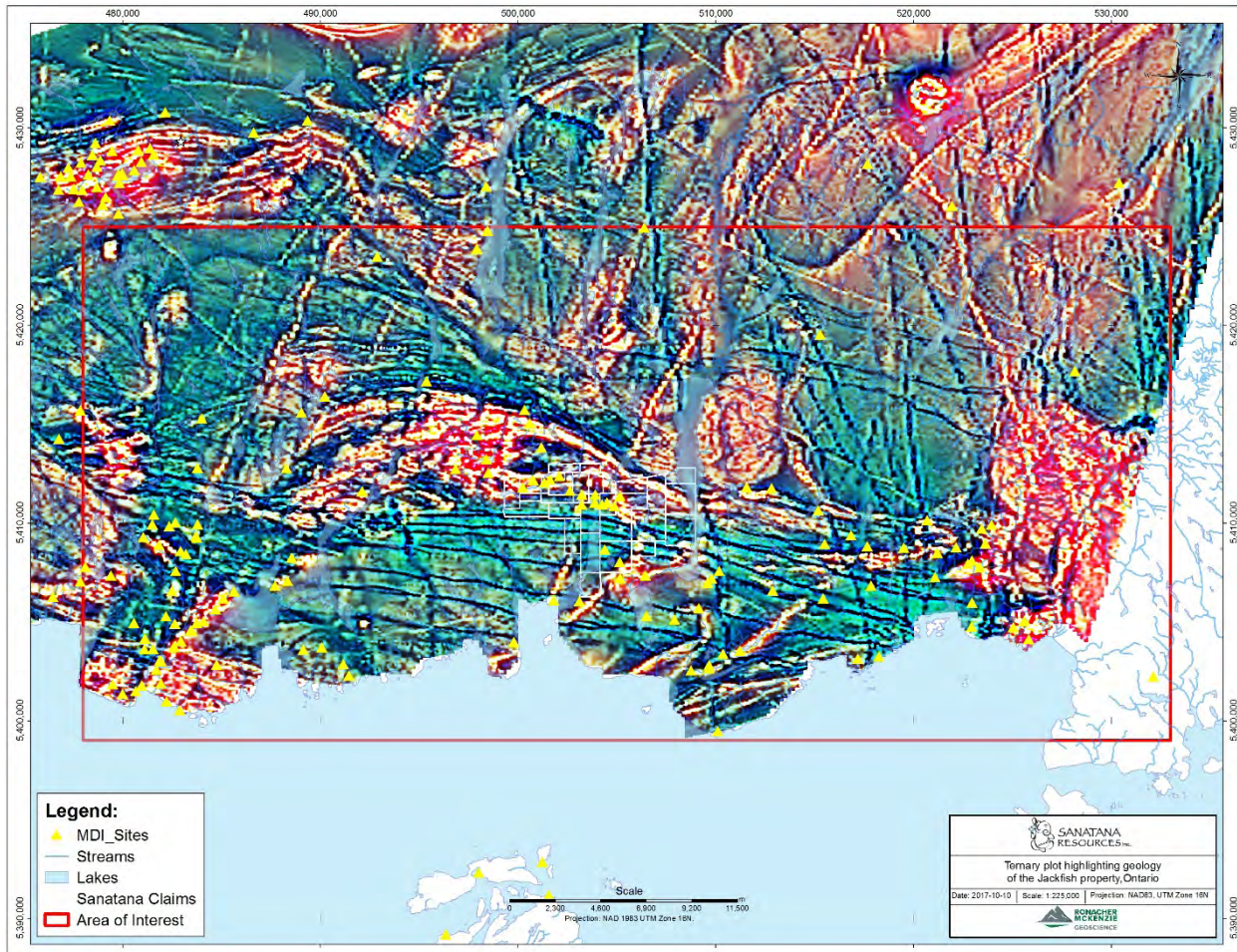


Figure 4-3. Ternary plot highlighting geology.

The preliminary observations are displayed in Figure 4-4. Finally; a timing was assigned in the immediate Jackfish area, and is displayed in Figure 4-5. The timing relationships and legend is described in Table 4-3. It is noted that the timing relationships in the Jackfish area are complicated, although relative timing relationships have been estimated based on the structural features to the south-east of the Jackfish property.

Table 4-3. Timing legend for magnetic observations

Timing	Age	Event	Legend	Major Feature
Uncategorized	N/A	Lineament	Thin black line	Outside of Jackfish property
0	Oldest	Lineament	Thick grey	Diabase dikes, structures
10	↓	Lineament	Thick orange	Diabase dike
10	to	Structure	Yellow	Fault
20	↓	Lineament	Pink	Greenstone belt
30	Youngest	Lineament	Thin green	Diabase dikes

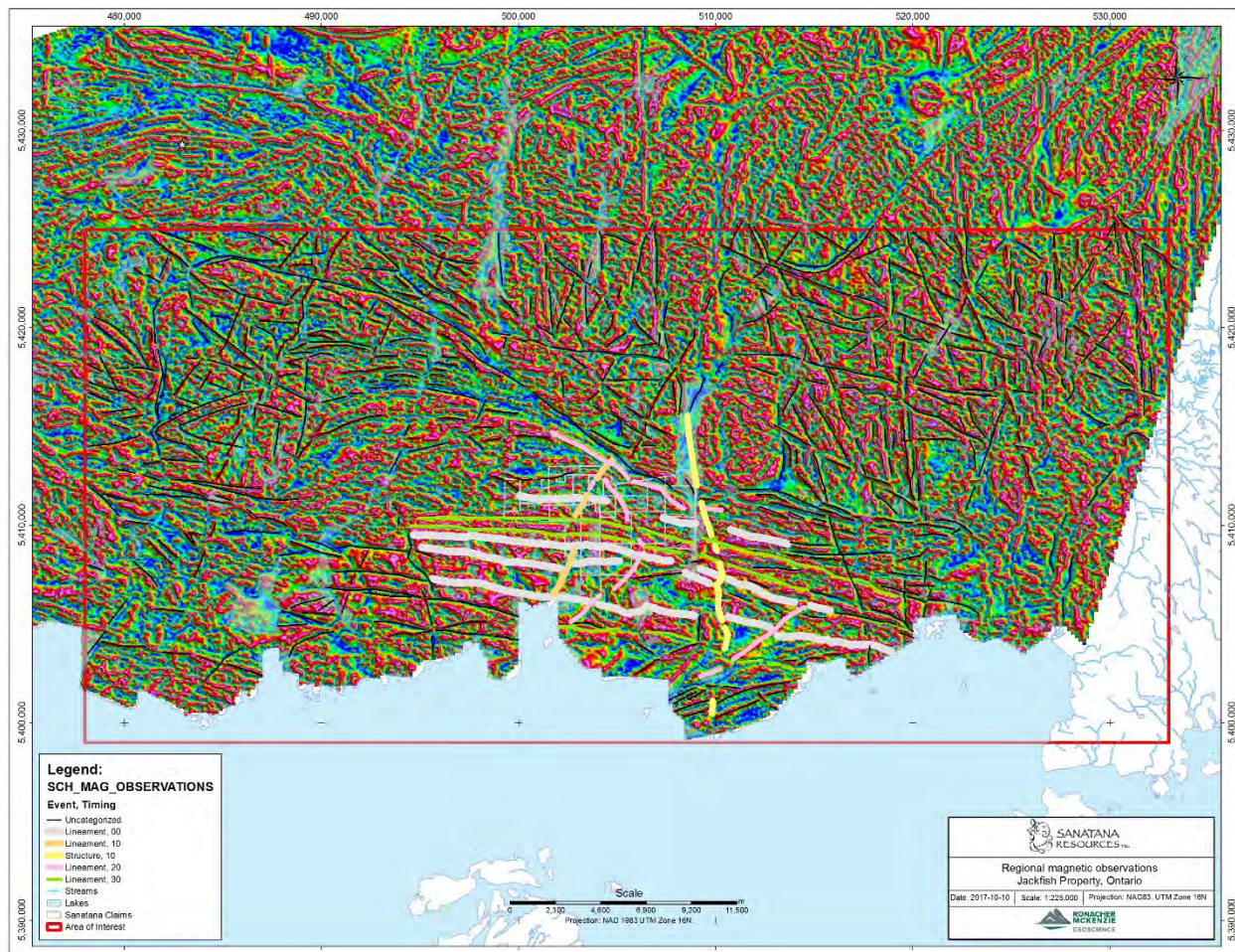


Figure 4-4. Regional magnetic observations

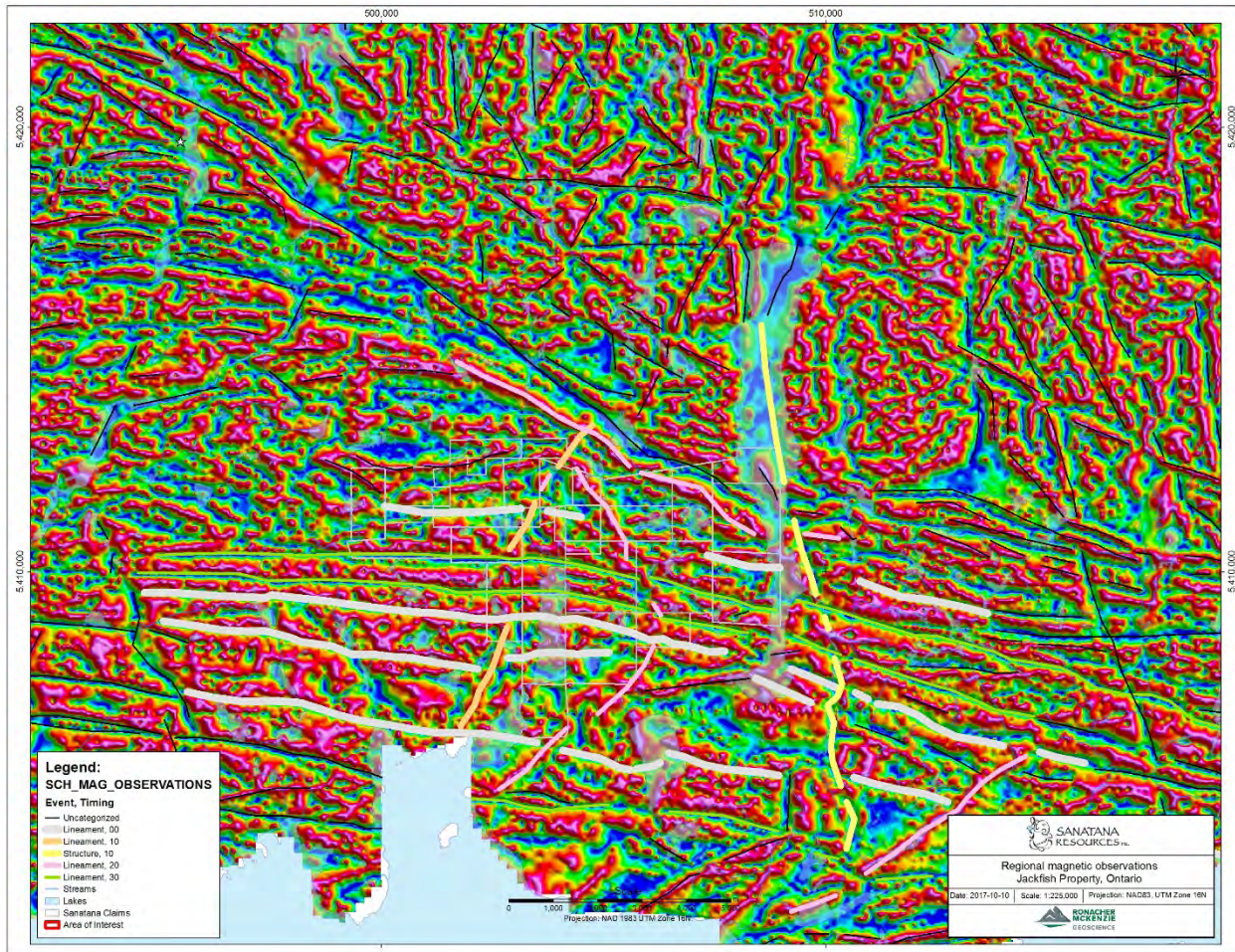


Figure 4-5. Magnetic observations and timing - Jackfish Property

The most dominant features on the Jackfish property are the east-west trending lineaments. According to Carter (1988), four trends of Archean and Proterozoic diabase dikes exist in the area (NW to EW, NW, NE and SE) (Carter 1988). Overlaying the magnetic observations on the M2107 bedrock geology, shown in Figure 4-6, it is noted that many of the prominent east-west striking lineaments correspond to mapped instances of diabase dikes. It is suggested that these features were reactivated, as the east-west lineaments along the south are interpreted to be amongst the oldest features, whereas parallel east-west features along the north are noted to be the youngest features.

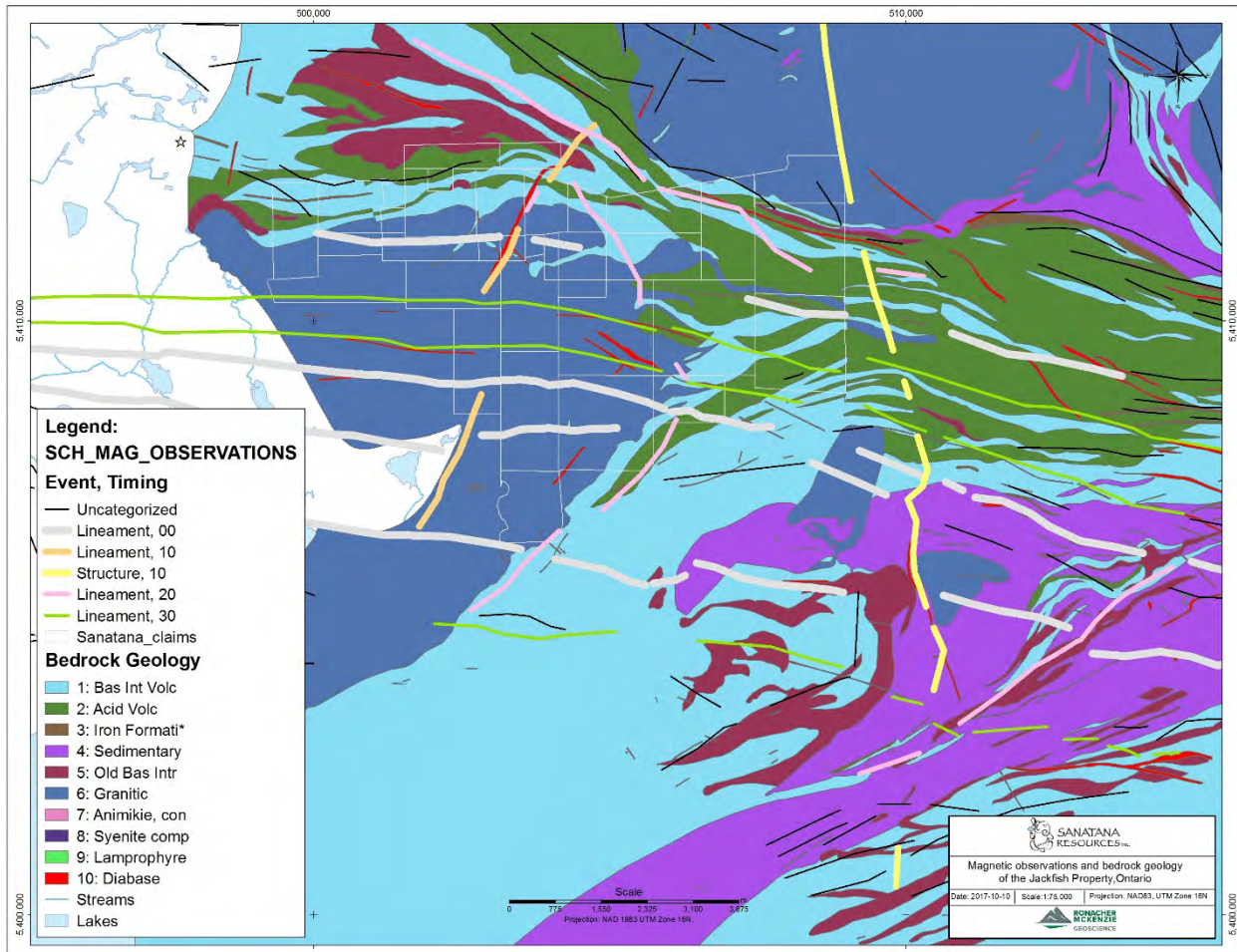


Figure 4-6. Magnetic observations compared to bedrock geology

Some of the major north-west and north-east trending lineaments tend to be aligned with mapped faults, as shown in Figure 4-7.

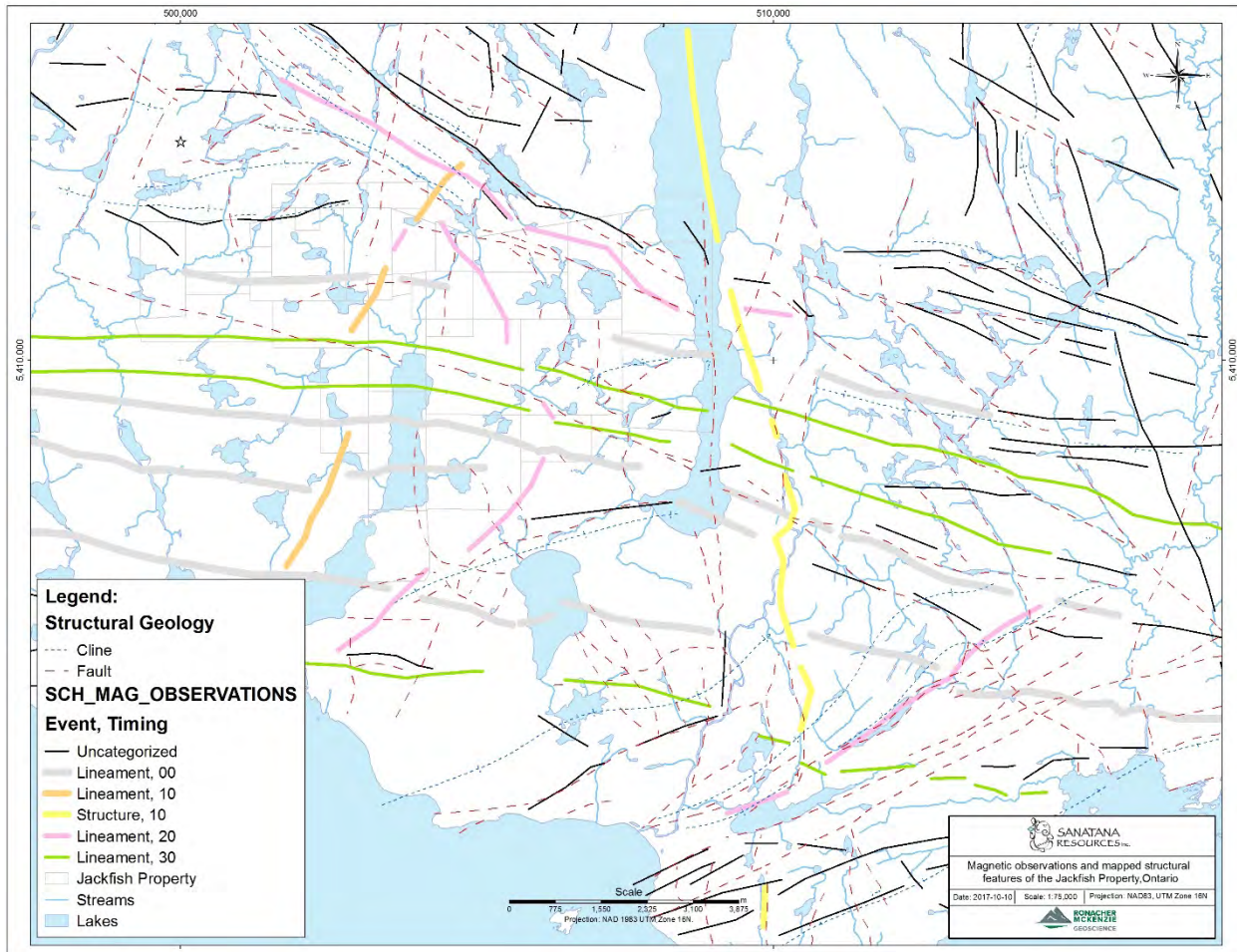


Figure 4-7. Magnetic observations compared to mapped structural features

Overall, it is difficult to tell if the structures observed are brittle, indicating low temperature conditions, or ductile, indicating higher temperature conditions. It is suspected that the initial emplacement indicates ductile conditions given the long, linear nature, however, these may subsequently have undergone brittle deformation, given the slight offsets and broken nature, especially of the non-east-west trending features.

In general, comparing the geology ternary plot to the mapped bedrock geology, as displayed in Figure 4-8, shows that the granitic pluton on the western side of the Jackfish claims is magnetically quiet, compared to the greenstone belt to the north, which is well defined in the magnetics. The prominent north-east trending magnetic highs appear to coincide with mapped diabase dikes. The metamorphic facies change as shown in map M2107 is also visible in the magnetics.

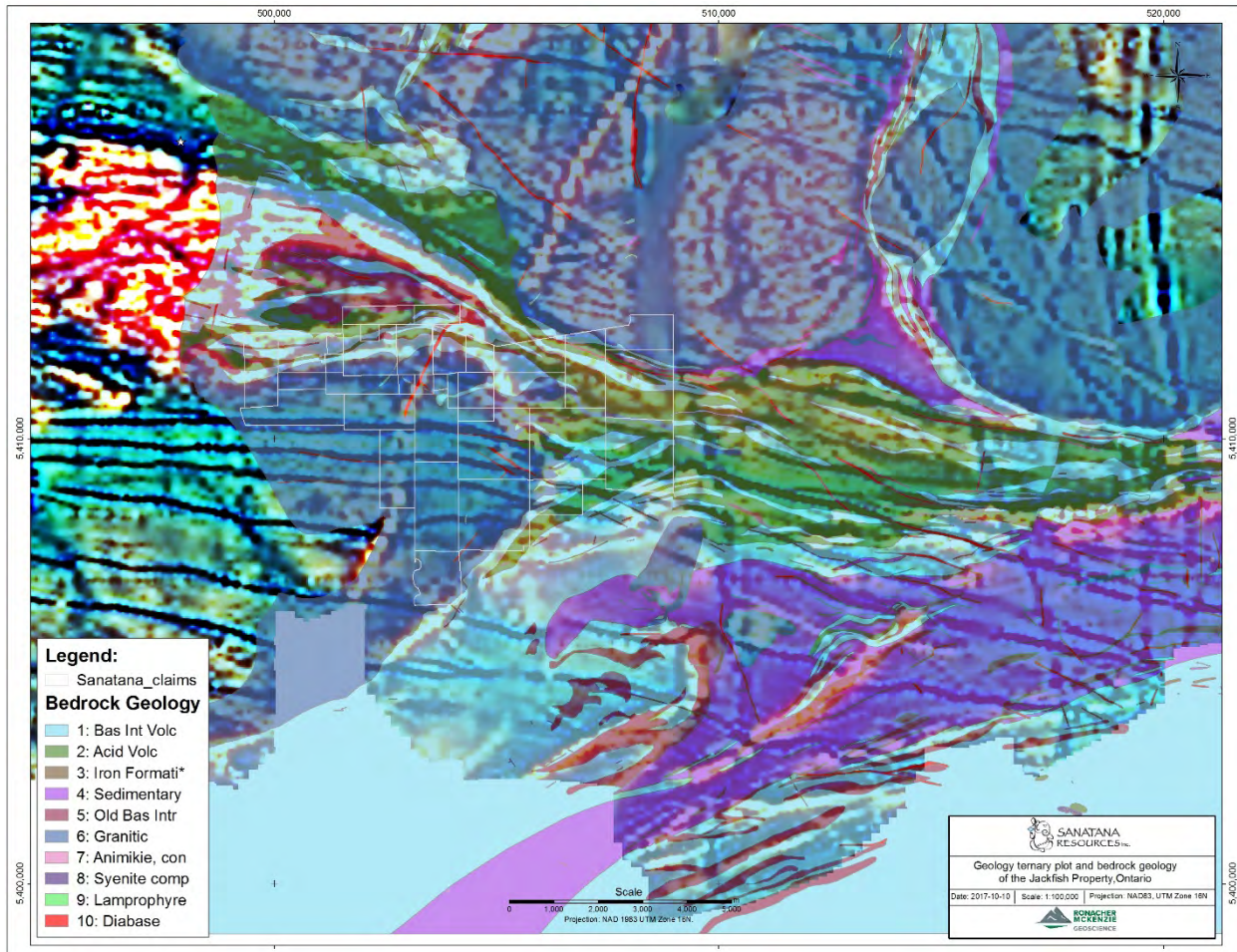


Figure 4-8. Geology ternary plot and bedrock geology

4.3 Observations – Electromagnetics

Apparent resistivity grids were calculated from the following coplanar coil pairs: 877 Hz, 4,891 Hz and 33,840 Hz and are labelled as SCH_APPRES_LOW, SCH_APPRES_MID and SCH_APPRES_HIGH respectively.

Form-line observations were recorded first from the lowest resistivity, as these represent the deepest potential structures and are observed on all three apparent resistivity products. These are displayed as thick black lines in Figure 4-5. Next, observations from the mid-frequency were recorded, representing shallower features, and are displayed as thin black lines in Figure 4-5. Finally, the shallowest features, recorded on the high-frequency apparent resist product, are displayed in Figure 4-5 as dotted black lines.

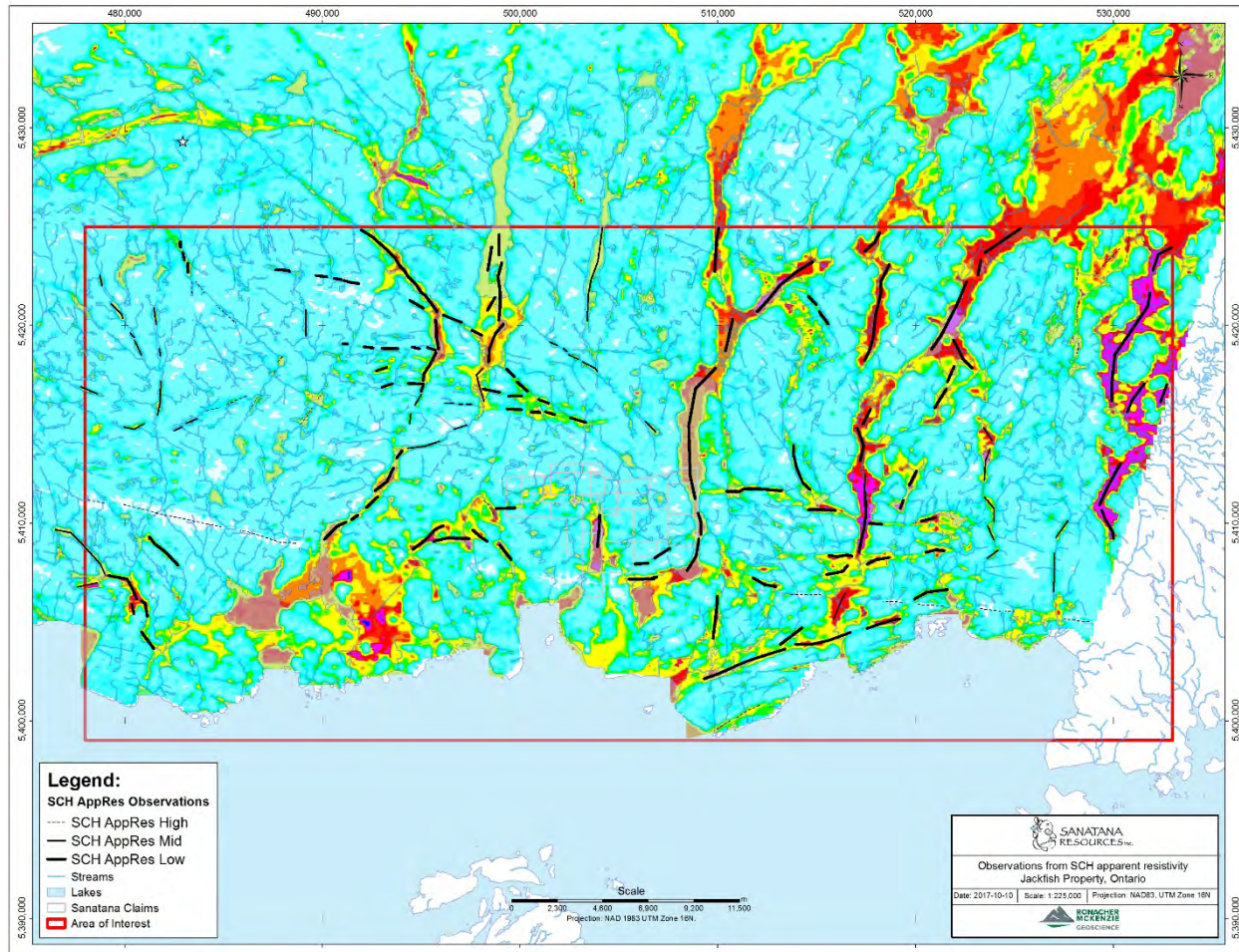


Figure 4-9. Observations from Schreiber apparent resistivity products. The high-frequency apparent resistivity is underlain.

As expected, many of the apparent resistivity observations align with the known drainage of the area, however it is noted that drainage systems tend to develop along known structural weaknesses in the bedrock. Although a large amount of till has been noted in the area, it is expected that the lowest frequency apparent resistivity is reflecting the response of the bedrock. Given that there were few cross-cutting observations in the EM, timing relationships were not assigned.

4.4 Observations – Digital Elevation Model

Four digital elevation model products were reviewed on the Jackfish property. At the regional scale, the Schreiber Digital Elevation Model (“DEM”) was inspected. In addition, a first-vertical derivative was calculated to enhance surficial structures. In addition to these products, Sanatana Resources acquired a 3 m resolution Digital Surface Model (“DSM”) from PhotoSat. This DSM is produced from stereo 1.5 m resolution SPOT 6 and SPOT 7 satellite photos (PhotoSat 2017).

Observations from the first vertical derivative of the DEM are found in Figure 4-6 and observations from the first vertical derivative of the high-resolution DSM are found in Figure 4-7.

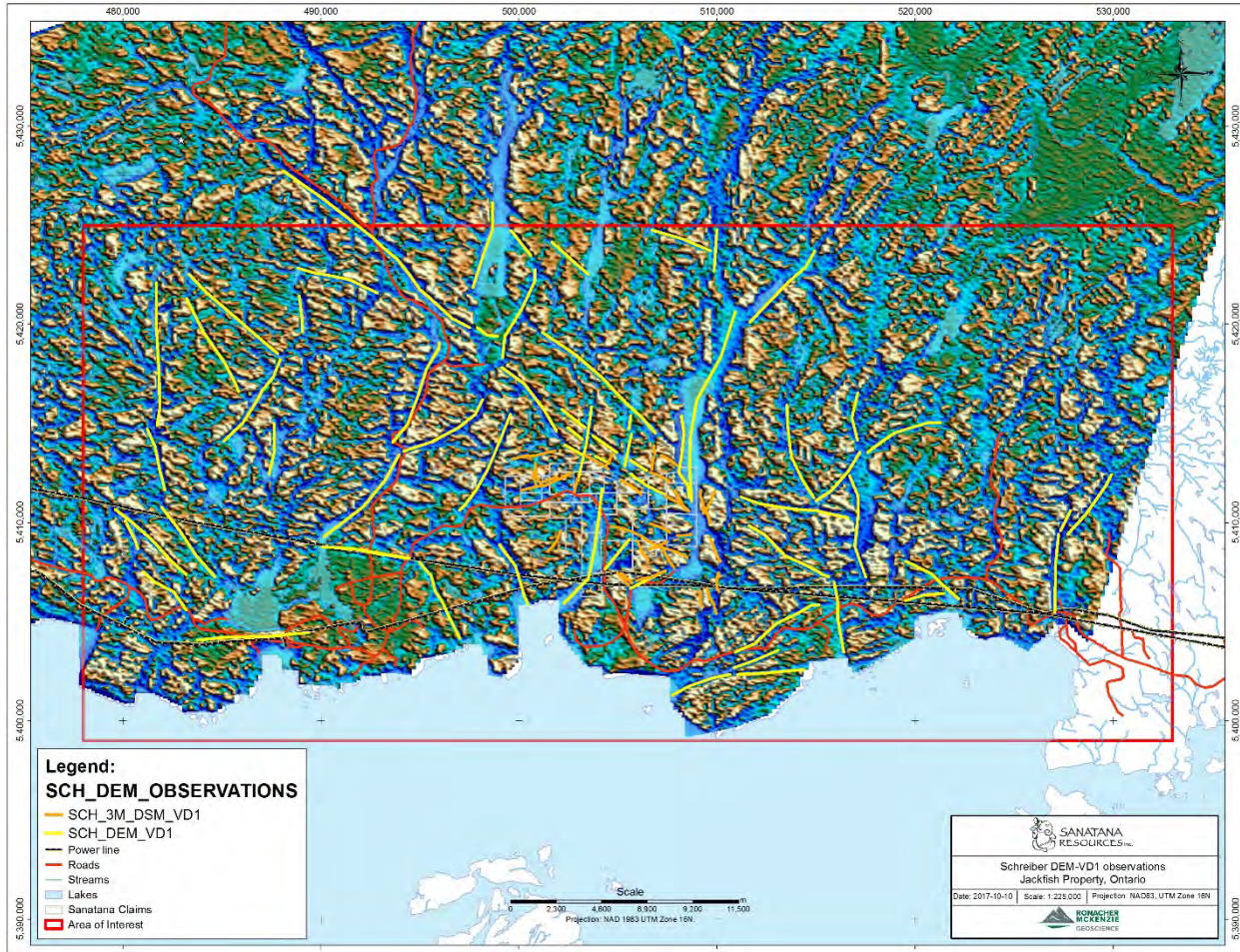


Figure 4-10. Schreiber DEM-VD1 observations

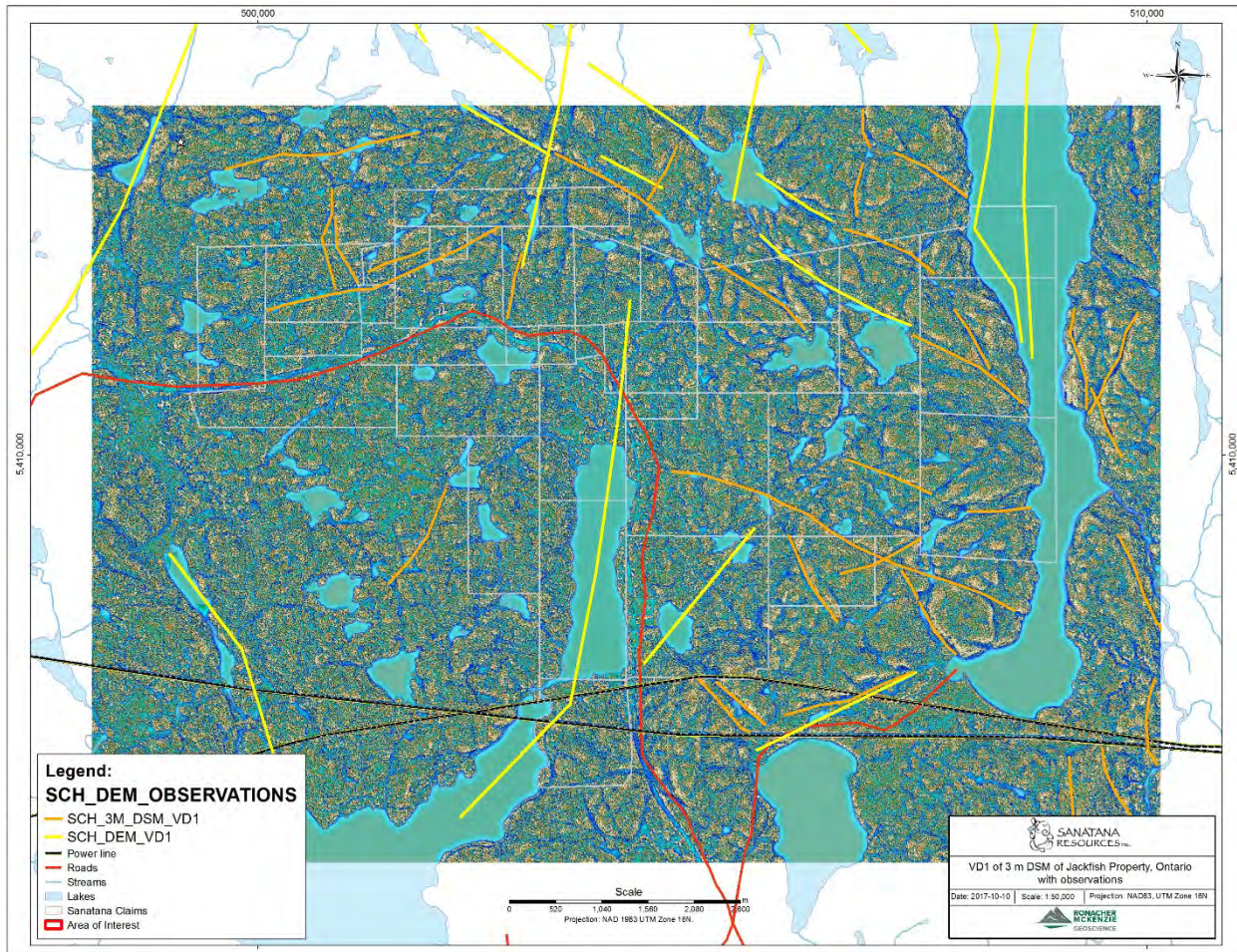


Figure 4-11. VD1 of 3 m DSM of the Jackfish property, with observations

The 3 m DSM corroborates some of the WNW trends noted on the magnetic products, especially on the eastern side of the Jackfish property. Timing relationships were not assigned to the digital elevation model products, as they are considered more surficial features and corroborate the magnetic and electromagnetic observations.

5.0 INTEGRATED INTERPRETATION

All three sets of observations, magnetic, electromagnetic and elevation, were compiled and compared to the mapped structural features and faults of the area (Figure 5-1). Generally, the observations align well with each other, and are further corroborated by the mapped structural geology.

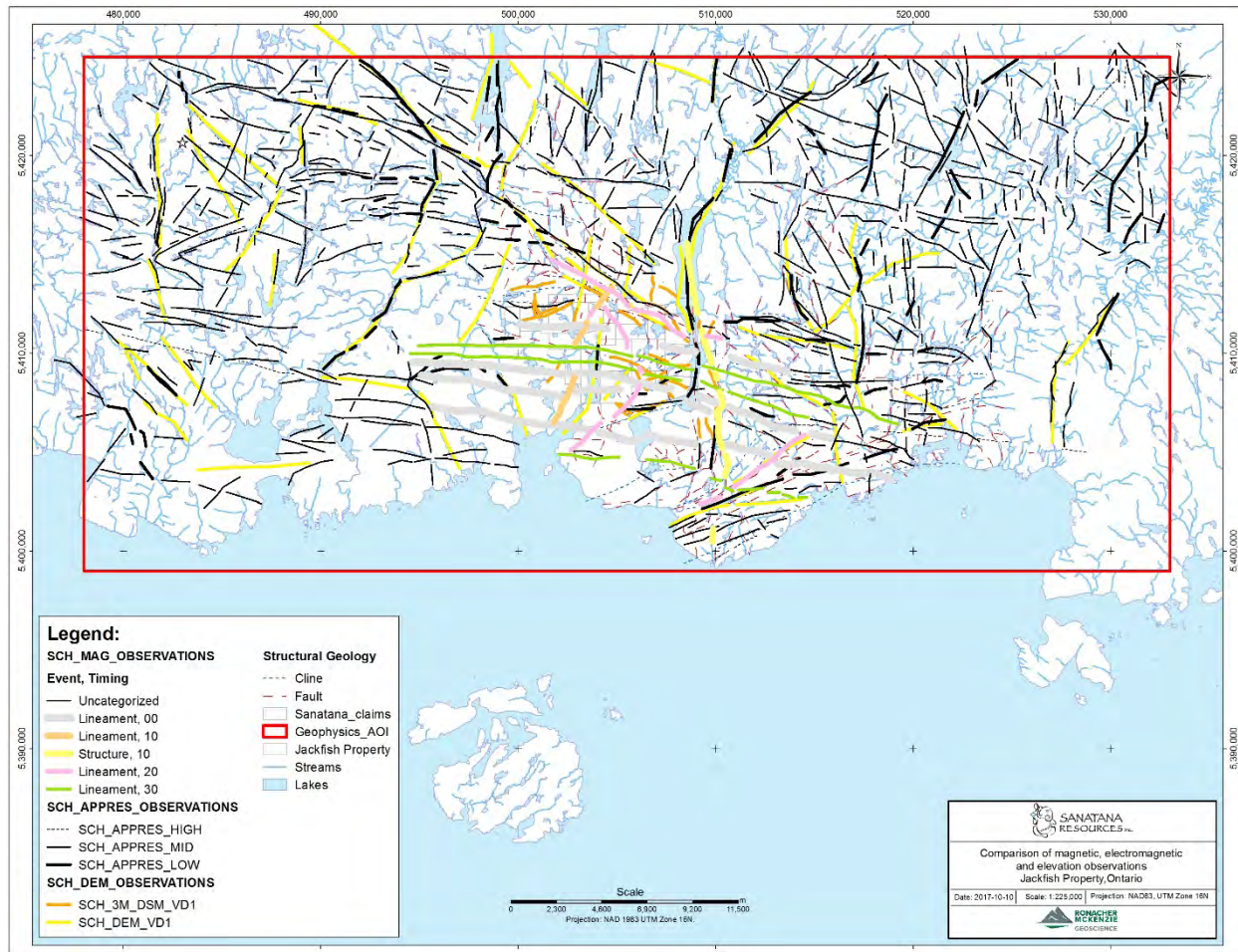


Figure 5-1. Comparison of magnetic, electromagnetic and elevation observations

Once compiled, the mineral occurrences were overlaid, to review how they exist within the various geophysical datasets. A summary is found in Table 5-1, and each is discussed below.

Table 5-1. Showings and geophysical observations

Occurrence	Trend (°)	Dip (°)	Observation Type	Regional Structural Observation	Comment	Mineralization Reference
Cliff Zone	070	N/A	Magnetics	Intersection between 050 and 090	Regionally, the Cliff Zone lies on a 050° trending magnetic low that is intersected by a 090° lineament	Puumala et al. (2014)
North Zone	200	35-70	SCH_APPRES_LOW	190	The North Zone mineralization is on the same trend angle as the adjacent 190° striking structural feature coincident with Jackfish Lake	Puumala et al. (2014)

Occurrence	Trend (°)	Dip (°)	Observation Type	Regional Structural Observation	Comment	Mineralization Reference
Christie	170	N/A	Magnetics	Intersection between 050 and 090	Regionally lies on intersection between 050° mag high and 090° mag low lineaments; Locally, there appears to be a 170° striking mag low coincident with the Christie occurrence.	Schnieders et al. (2014)
Crystal Creek	300	44-50	Magnetics	300	Lies along parallel striking linear feature	Schnieders et al. (2014)
Glory Hole	N/A	N/A	Magnetics	050	Glory Hole mineralization is hosted by mafic volcanic rocks with lamprophyres present. Lies along 050° mag high, possibly cut by 320° trending mag low - requires higher resolution data	
Empress Structure	70	50-90	SCH_3M_DSM_VD1	070	Empress structure consists of 40-50 m wide deformation corridor extending from Empress Mine to Christy Lake. Lies within two parallel 070 DSM_VD1 observed features	Samson, 2010

The Cliff Zone, displayed in Figure 5-2, trends 070°. The magnetics in this area show the Cliff Zone lying along an 050° striking magnetic low that is intersected by a 090° striking lineament.

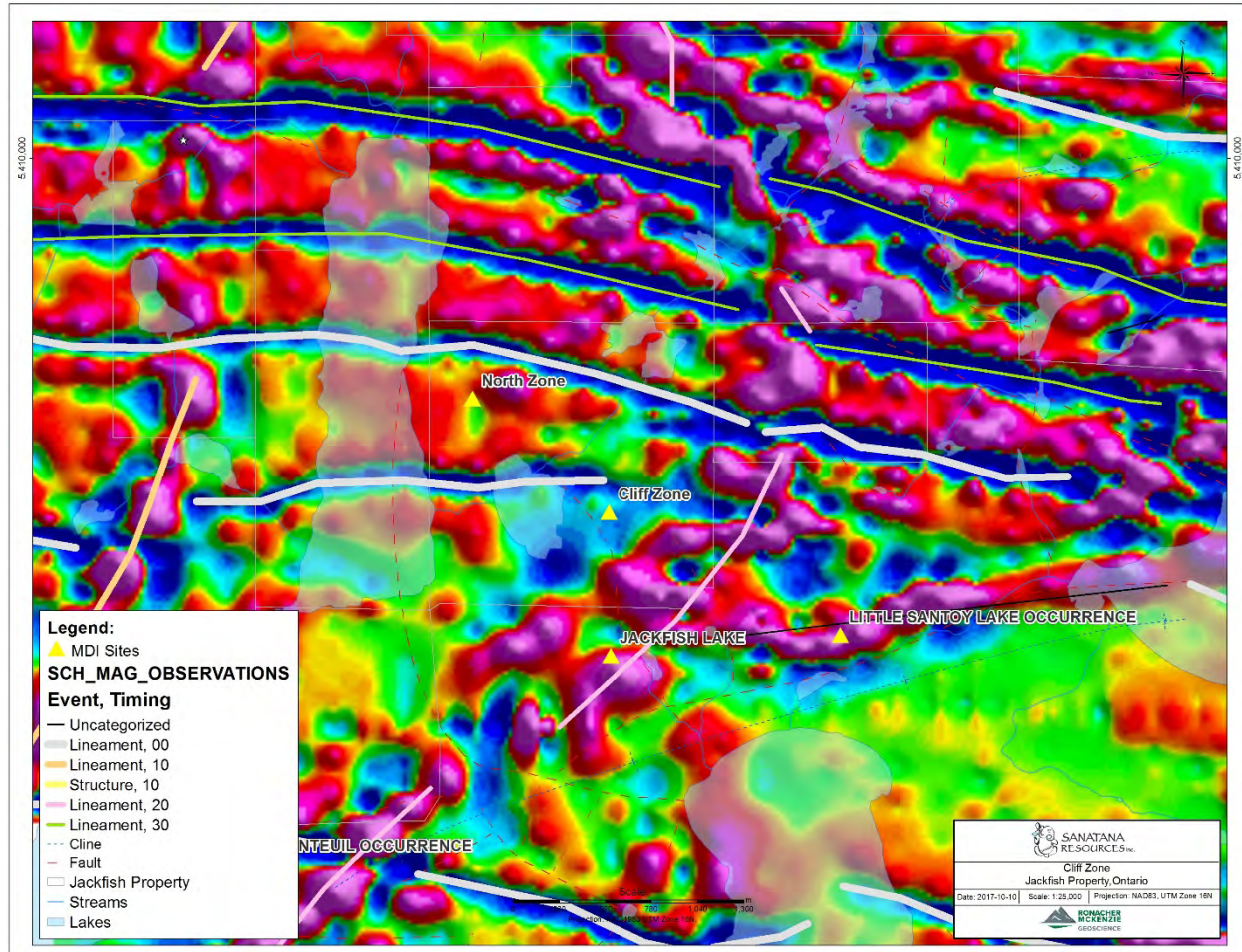


Figure 5-2. Review of Cliff Zone

The North Zone strikes 190°. This strike direction is parallel to the structural feature coincident with Jackfish Lake, identified on the apparent resistivity images. This relationship is displayed in Figure 5-3.

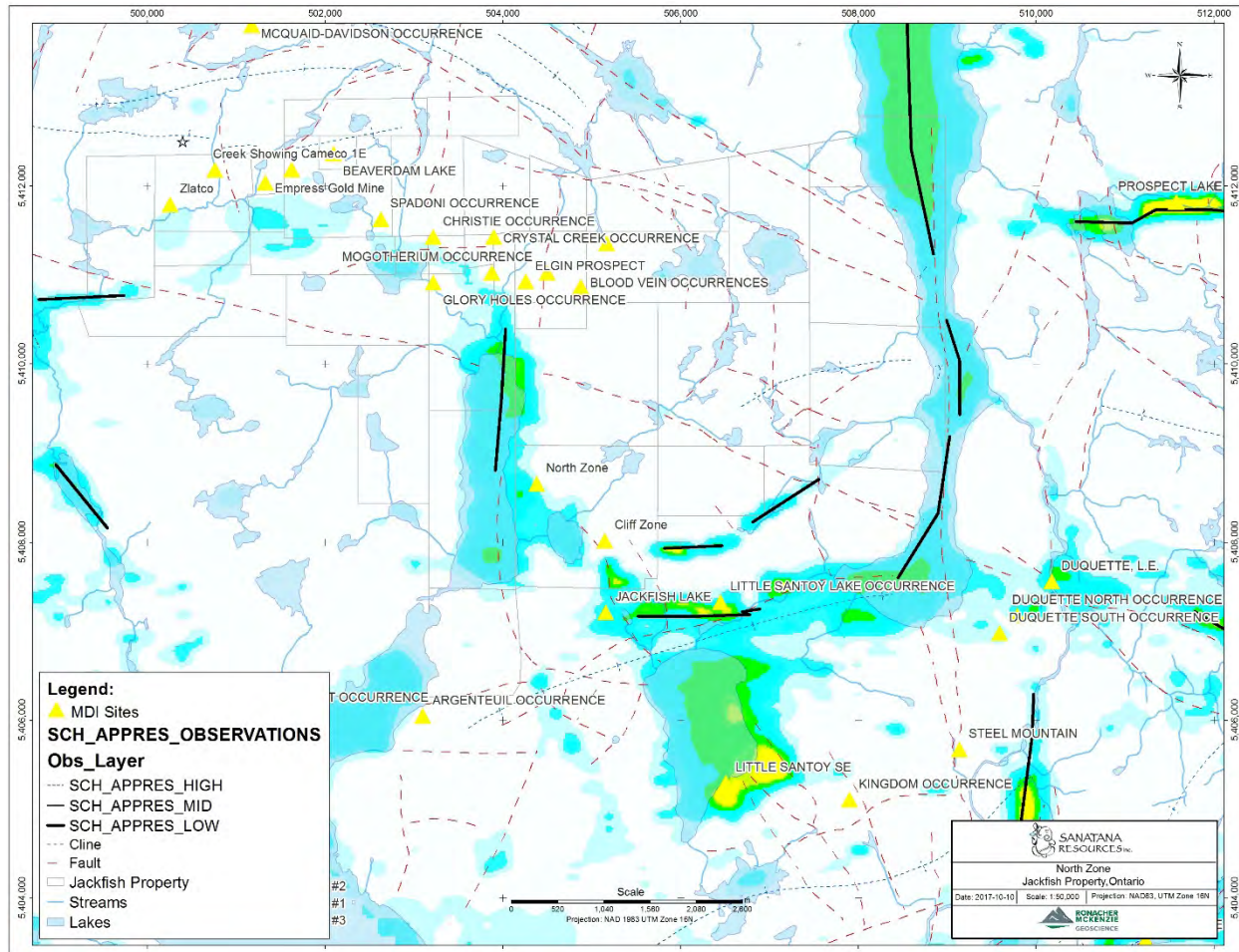


Figure 5-3. The North Zone

The Christie Lake, Crystal Creek and the Glory Hole occurrences all have magnetic association and are displayed in Figure 5-4. The Christie Lake occurrence regionally lies on an intersection between a 050° magnetic high lineament and a 090° magnetic low lineament. Locally, there appears to be a 170° striking magnetic low coincident with Christie Lake itself, which corresponds to the mineralization trend. A higher-resolution magnetic dataset could confirm this relationship.

The mineralization at the Crystal Creek occurrence trends 300°, and the magnetics essentially mimic this with a coincident magnetic low striking approximately 300°.

The Glory Hole mineralization is hosted by mafic volcanic rocks with lamprophyres present. The magnetics show that this occurrence lies adjacent a 050° magnetic high, possibly cut by 320° mag low linear. Higher resolution magnetic data would further resolve these relationships.

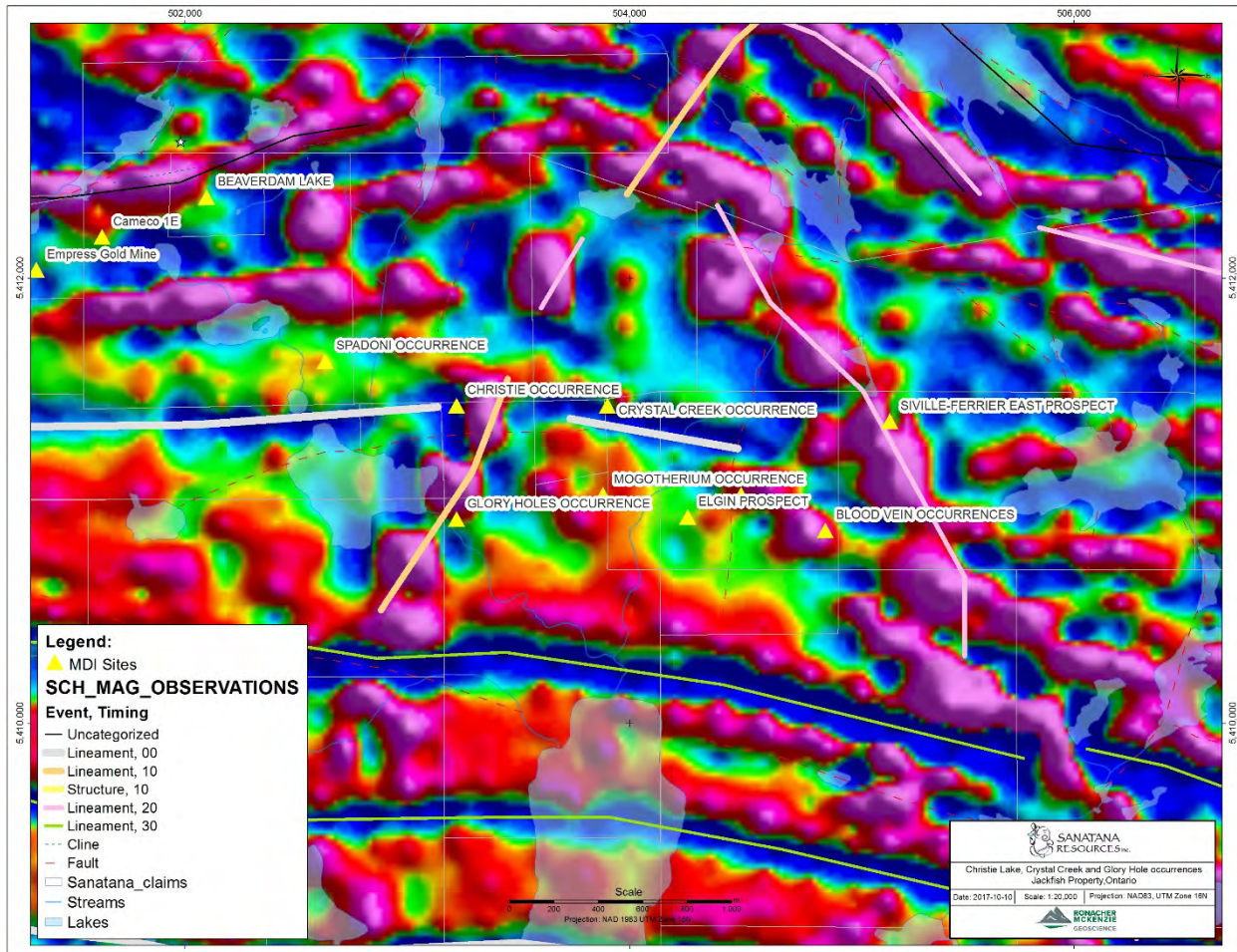


Figure 5-4. Christie Lake, Crystal Creek and Glory Hole occurrences

The Empress Structure, shown in Figure 5-5, consists of a 40 – 50 m wide deformation corridor extending from the Empress Mine to the Christie Lake (Samson 1999). Upon review of the high-resolution DSM, it is noted that the Empress Mine lies between two parallel 070° features. Higher resolution magnetic data in this area would help confirm this structural relationship.

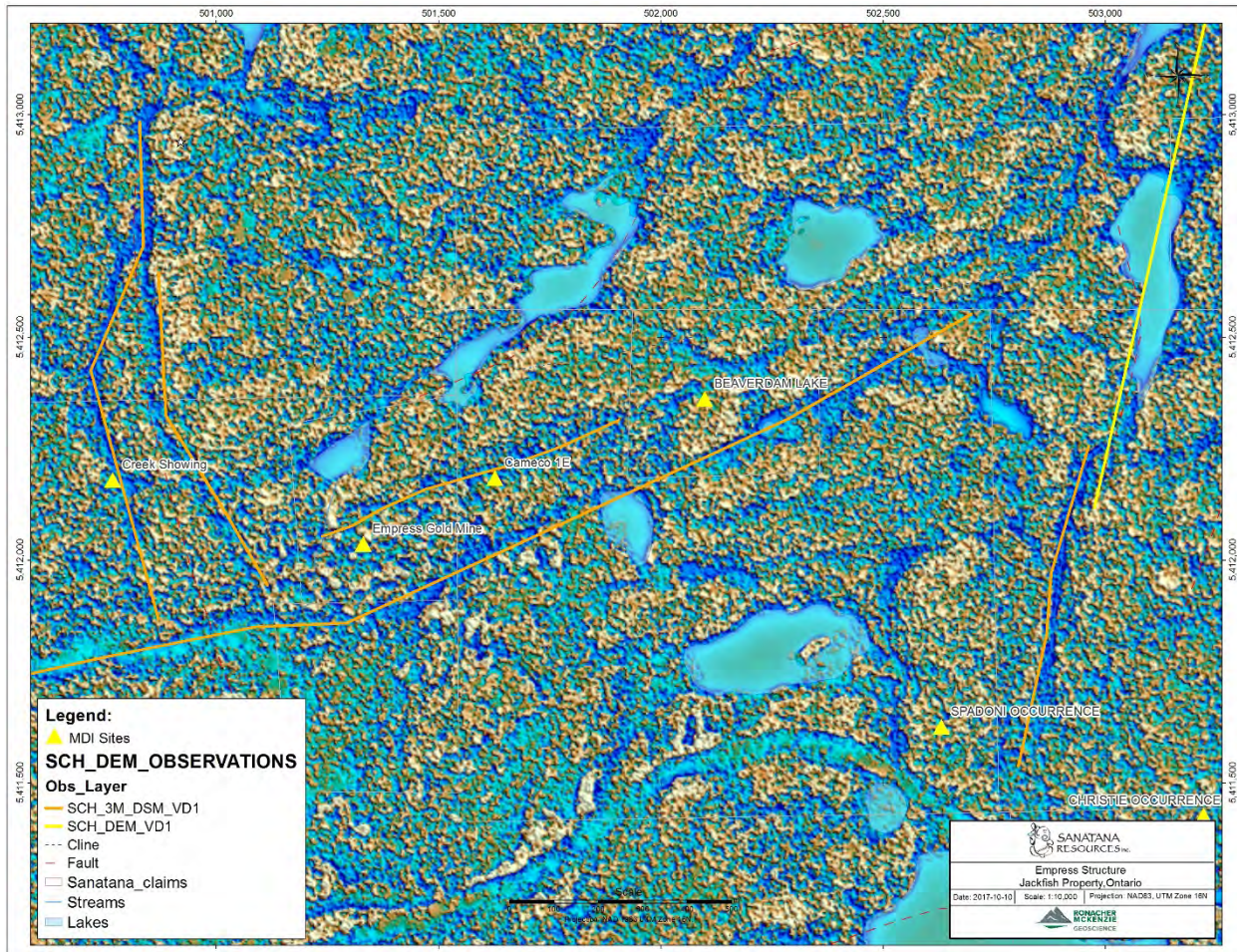


Figure 5-5. Empress Structure

The focus of the interpretation was on two areas: (1) The area eastern edge of the Terrace Bay batholith where several occurrences including the Cliff Zone and North Zone are located, and (2) the northern edge of the batholith, approximately between the historic Empress mine (not within Sanatana’s claims) and the Christie occurrence.

In the eastern part of the batholith, a north-easterly trend of lineaments was detected in the observations of the DEM layer. This trend is not as pronounced in any of the mag layers as on the DEM layer. The interpreted lineament follows Sawmill Creek from Sawmill Lake to Moon Lake and further north. The historic Megatherium mine (505681 E, 5409345 N) may be located on this trend. The Jackfish Lake occurrence (located outside Sanatana’s claims) also appears to be associated with an interpreted northeast trending feature. Northwestly trending faults were mapped around the Jackfish Lake occurrence (M2107). This trend was not obvious in the magnetic data but was tentatively detected in the DEM layer.

In the northern part of the claim group, the northeasterly trend observed in the east still appears to be present with a slight change in direction to north-northeast. Some occurrences are tentatively interpreted to occur close to the intersections of lineaments, such as the Christy occurrence, the Creek showing and potentially the historic Empress mine.

6.0 RECOMMENDATIONS

It is recommended to prospect along trends identified in this report, particularly those associated with known occurrences. For example, the Empress structure should be prospected along the 070° striking features noted on the DSM products.

To improve the magnetic interpretation within the Jackfish Property, it is recommended to complete a high-resolution magnetic survey, either by ground or unmanned aerial vehicle (“UAV”). This would help better define the trends impacting mineralization at a local scale.

It is further recommended to conduct induced-polarization/resistivity over known mineralized areas such as the Cliff Zone as well as conduct drilling to test the target.

7.0 REFERENCES

- Carter, M. W. 1988. *Geology of the Schreiber-Terrace Bay Area, District of Thunder Bay*. Open File Report 5692, Mines and Minerals Division Ontario Geological Survey.
- Dube, B., and P. Gosselin. 2007. "Greenstone-hosted quartz-carbonate vein deposits." Geological Association of Canada Special Publication No. 5, 49-73.
- Goldfarb, R. J., T. Baker, B. Dube, D. I. Groves, C. J.R. Hart, and P. Gosselin. 2005. *Distribution, character, and genesis of gold deposits in metamorphic terranes*. Economic Geology 100th Anniversary Volume, 407-450.
- Magnus, S.J., and K. A. Arnold. 2016. "Project NW-16-003 and Project Unit 15-004. Geology and Mineral Potential of the Western Schreiber-Hemlo Greenstone Belt." *Ontario Geological Survey Open File Report 6323* p. 11-1 to 11-7.
- Marmont, S. 1984. *The Terrace Bay Batholith and Associated Mineralization*. Ontario Geological Survey Open File Report 5514, 131 p., Ontario Ministry of Natural Resources.
- Ontario Geological Survey. 2003. *Ontario airborne geophysical surveys, magnetic and electromagnetic data, Schreiber area, Geophysical Data Set 1104 - Revised*. Ontario Geological Survey.
- PhotoSat. 2017. *PhotoSat satellite DEM, DTM and DSM*. Accessed 09 15, 2017. <http://www.photosat.ca/gis/photosat-satellite-dem-dtm-dsm/>.
- Polat, A., and R. Kerrich. 2000. "Archean greenstone belt magmatism and the continental growth-mantle evolution connection: constraints from the Th-U-Nb-LREE systematics of the 2.7 GA Wawa subprovince, Superior Province, Canada." *Earth and Planetary Science Letters*, v. 175 p. 41-54.
- Polat, A., and R. Kerrich. 1999. "Formation of an Archean tectonic melange in the Schreiber-Hemlo greenstone belt, Superior Province, Canada: Implications for Archean subduction-accretion process." *Tectonics*, v. 18 p. 733-755.
- Puumala, M.A., D. A. Campbell, R. D. Tuomi, R. L. Debicki, A. C. Wilson, P. Moses, and M. R. Brunelle. 2014. *Report of Activities, 2013, Resident Geologist Program*. Thunder Bay South Regional Resident Geologist Report: Thunder Bay South District, OFR 6293, p 38-43, Ontario Geological Survey.
- Ronacher, Elisabeth, and Ardian Peshkepia. 2017. *Independent Technical Report: Jackfish Property, Terrace Bay, Ontario*. NI43-101 Compliant Independent Technical Report, Sudbury: Ronacher McKenzie Geoscience Inc.
- Samson, J. 1999. *1999 Exploration Program Empress Project*. Assessment report 42D15SW2010, Cameco Gold Inc.

Schnieders, B. R., M. C. Smyk, A. A. Speed, and D. B. McKay. 1996. *Mineral Occurrences in the Nipigon-Marathon Area, Vol 1 and 2*. Open File Report 5961, Ontario Geological Survey, 556p and 402p.

Siddorn, James. 2010. *The Geological Interpretation of Aeromagnetic Data: A Geologist's Perspective*. Canadian Exploration Geophysical Society Symposium, 32.

Walker, J. W.R. 1967. *Geology of Jackfish-Middleton Area*. Geological Report 50, Ontario Department of Mines, 41p.

8.0 STATEMENT OF AUTHORSHIP

This report, titled “Geoscientific Interpretation Report, Jackfish Property”, dated October 11th, 2017 and prepared for Sanatana Resources Inc., was completed and signed by the following authors:

“signed and sealed”

Elisabeth Ronacher, PhD, P.Geo.
October 11th, 2017
Sudbury, ON

“signed and sealed”

Jenna McKenzie, P.Geo.
October 11th, 2017
Toronto, ON

“signed and sealed”

Farzaneh Farahani, MSc, GIT
October 11th, 2017
Burlington, ON

Appendix 1 – Statement of Qualifications

STATEMENT OF QUALIFICATIONS

Elisabeth Ronacher
Ronacher McKenzie Geoscience
Sudbury, ON, Canada
Elisabeth.Ronacher@RMGeoscience.com
+1 705-419-1508

I, Elisabeth Ronacher, do hereby certify that:

1. I am the Principal Geologist at Ronacher McKenzie Geoscience Inc.
2. I am jointly responsible for the report titled “Geoscientific Interpretation Report, Jackfish Property” dated October 11th, 2017, and prepared for Sanatana Resources Inc.
3. I hold the following academic qualifications: M.Sc. Geology (1997), University of Vienna, Vienna, Austria; Ph.D. Geology (2002), University of Alberta, Edmonton, Canada.
4. I am a member in good standing of the Association of Professional Geologists of Ontario (APGO, member # 1476), the Society of Economic Geologists (SEG) and the Society for Geology Applied to Mineral Deposits (SGA).
5. I have worked on exploration projects worldwide (including Canada, Mongolia, China, Austria) and on a variety of commodities including Au, Cu, base-metal, Cu-Ni PGE and U deposits since 1997.
6. This report is compiled from data obtained from the public domain and company data provided by Sanatana Resources Inc. I have visited the property on March 22nd, 2017. I was not involved in the geophysical data acquisition associated with this geoscientific interpretation.
7. I do not hold any interest in Sanatana Resources Inc. nor in the property discussed in this report, nor in any other property held by this company, nor do I expect to receive any interest as a result of writing this report.

Dated this 11th day of October 2017

“Signed and Sealed”

Elisabeth Ronacher, Ph.D., P.Geo.
Ronacher McKenzie Geoscience

STATEMENT OF QUALIFICATIONS

Jenna McKenzie
Ronacher McKenzie Geoscience Inc.
Toronto, ON, Canada
Jenna.McKenzie@RMGeoscience.com
+1-705-419-1508

I, Jenna McKenzie, do hereby certify that:

1. I am the Principal Geophysicist at Ronacher McKenzie Geoscience Inc.
2. I am jointly responsible for report titled “Geoscientific Interpretation Report, Jackfish Property” dated October 11th, 2017, and prepared for Sanatana Resources Inc.
3. I hold the following academic qualifications: Hons.B.Sc. Applied Physics – Geophysics (2002), University of Toronto, Toronto, ON, Canada.
4. I am a member in good standing of the Association of Professional Geologists of Ontario (APGO, member # 1653), the Society for Exploration Geophysicists (SEG) and am an executive member of the Canadian Exploration Geophysical Society (KEGS).
5. I have worked on exploration projects worldwide (including Canada, USA, Mexico, Dominican Republic, Angola, Democratic Republic of Congo, Zambia, Republic of South Africa, Russia, Turkey and Indonesia). I have worked on porphyry-copper, gold, diamond, Ni-Cu-PGE, potash and rare-element pegmatites deposits since 2001.
6. This report is compiled from data obtained from the public domain and company data provided by Sanatana Resources Inc. I have not visited the property and was not involved in the geophysical data acquisition associated with this geoscientific interpretation.
7. I do not hold any interest in Sanatana Resources Inc. nor in the property discussed in this report, nor in any other property held by this company, nor do I expect to receive any interest as a result of writing this report.

Dated this 11th day of October 2017

“Signed and Sealed”

Jenna McKenzie, P.Geol.
Ronacher McKenzie Geoscience Inc.

STATEMENT OF QUALIFICATIONS

Farzaneh Farahani
Ronacher McKenzie Geoscience
Toronto, ON, Canada
Farzaneh.Farahani@RMGeoscience.com
+1-705-419-1508

I, Farzaneh Farahani, do hereby certify that:

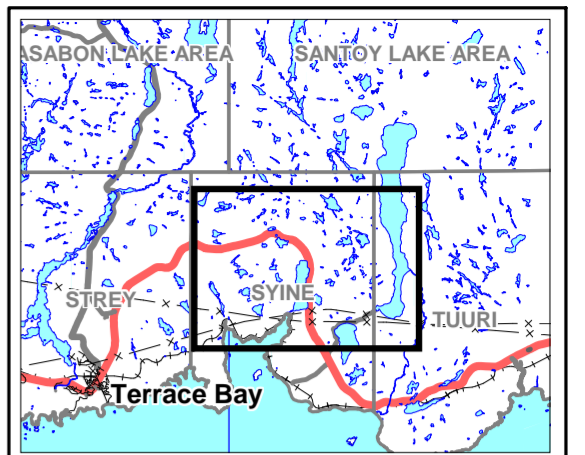
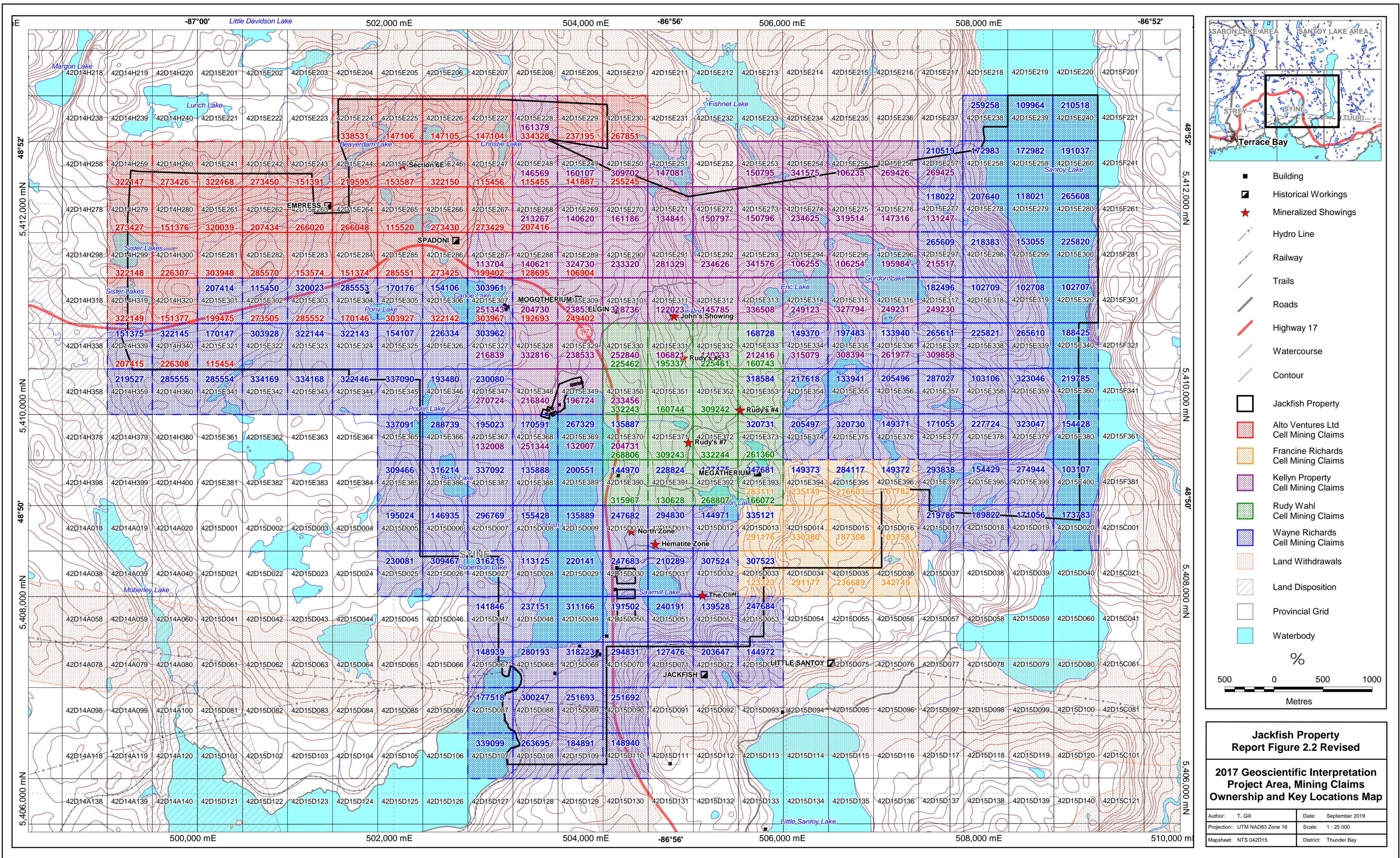
1. I am a Project Geophysicist at Ronacher McKenzie Geoscience.
2. I assisted in the preparation of “Geoscientific Interpretation Report, Jackfish Property” dated October 11th, 2017, and prepared for Sanatana Resources Inc. My work was supervised by Jenna McKenzie, P.Geo.
3. I hold the following academic qualifications: B.Sc. Applied Physics (2004), University of Damghan, Iran, and Hons. M.Sc. Applied Geophysics (2009), Science and Research branch of Tehran Azad University, Tehran, Iran.
4. I am registered as a Geoscientist in Training with the Association of Professional Geoscientists of Ontario (APGO, # 10276) and am a member of the Canadian Exploration Geophysical Society (KEGS).
5. I have worked on exploration projects worldwide (including Canada, Sweden, Iran and Turkey). I have worked on Iron, copper and geothermal resource exploration since 2004.
6. This report is compiled from data obtained from the public domain and company data provided by Sanatana Resources Inc. I have not visited the property and was not involved in the geophysical data acquisition associated with this geoscientific interpretation.
7. I do not hold any interest in Sanatana Resources Inc. nor in the property discussed in this report, nor in any other property held by this company, nor do I expect to receive any interest as a result of writing this report.

Dated this 11th day of October 2017

“Signed and Sealed”

Farzaneh Farahani. Geoscientist in Training
Ronacher McKenzie Geoscience Inc.

Appendix 2: Jackfish Property Cell Mining Claims



- Building
- ▣ Historical Workings
- ★ Mineralized Showings
- Hydro Line
- Railway
- Trails
- Roads
- Highway 17
- Watercourse
- Contour
- Jackfish Property
- ▣ Alto Ventures Ltd Cell Mining Claims
- ▣ Francine Richards Cell Mining Claims
- ▣ Kellyn Property Cell Mining Claims
- ▣ Rudy Wahl Cell Mining Claims
- ▣ Wayne Richards Cell Mining Claims
- ▣ Land Withdrawals
- ▣ Land Disposition
- Provincial Grid
- ▣ Waterbody

%

500 0 500 1000
Metres

**Jackfish Property
Report Figure 2.2 Revised**

**2017 Geoscientific Interpretation
Project Area, Mining Claims
Ownership and Key Locations Map**

Author: T. Gill	Date: September 2019
Projection: UTM NAD83 Zone 16	Scale: 1 : 25 000
Mapsheet: NTS 042D15	District: Thunder Bay

Tenure #	Township	Grid Cell	Type	Client ID	Holder
106904	Syine	42D15E289	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
115452	Syine	42D15E261	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
115453	Syine	42D15E301	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
115454	Syine	42D15E321	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
115455	Syine	42D15E248	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
115456	Syine	42D15E247	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
115520	Syine	42D15E265	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
128695	Syine	42D15E288	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
141887	Syine	42D15E249	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
147104	Syine	42D15E227	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
147105	Syine	42D15E226	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
147106	Syine	42D15E225	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
151374	Syine	42D15E284	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
151376	Syine	42D14H280	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
151377	Syine	42D14H320	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
151391	Syine	42D15E243	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
153574	Syine	42D15E283	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
153587	Syine	42D15E245	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
170146	Syine	42D15E304	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
192693	Syine	42D15E308	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
199402	Syine	42D15E287	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
199475	Syine	42D15E301	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
207415	Syine	42D14H339	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
207416	Syine	42D15E268	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
207434	Syine	42D15E262	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
219595	Syine	42D15E244	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
226307	Syine	42D14H300	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
226308	Syine	42D14H340	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
237195	Syine	42D15E229	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
249402	Syine	42D15E309	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
255245	Syine	42D15E250	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
266020	Syine	42D15E263	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
266048	Syine	42D15E264	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
267851	Syine	42D15E230	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
273425	Syine	42D15E286	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
273426	Syine	42D14H260	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
273427	Syine	42D14H279	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
273428	Syine	42D15E281	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
273429	Syine	42D15E267	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
273430	Syine	42D15E266	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
273450	Syine	42D15E242	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
273505	Syine	42D15E302	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
285551	Syine	42D15E285	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
285552	Syine	42D15E303	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
285570	Syine	42D15E282	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
303927	Syine	42D15E305	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
303948	Syine	42D15E281	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
303967	Syine	42D15E307	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
320025	Syine	42D15E241	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
320039	Syine	42D15E261	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
322142	Syine	42D15E306	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
322147	Syine	42D14H259	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
322148	Syine	42D14H299	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
322149	Syine	42D14H319	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
322150	Syine	42D15E246	Single Cell Mining Claim	302737	100% Alto Ventures Ltd.
322168	Syine	42D15E241	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
334328	Syine	42D15E228	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
338531	Syine	42D15E224	Boundary Cell Mining Claim	302737	100% Alto Ventures Ltd.
103758	Syine	42D15D016	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
123323	Syine	42D15D033	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
161782	Syine	42D15E396	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
187308	Syine	42D15D015	Single Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
216603	Syine	42D15E395	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
235149	Syine	42D15E394	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
236689	Syine	42D15D035	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards

Tenure #	Township	Grid Cell	Type	Client ID	Holder
283111	Syine	42D15E393	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
291176	Syine	42D15D013	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
291177	Syine	42D15D034	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
330380	Syine	42D15D014	Single Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
342749	Syine	42D15D036	Boundary Cell Mining Claim	412540, 303657	50% Francine Richards, 50% Wayne Richards
130628	Syine	42D15E391	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
160743	Syine	42D15E333	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
160744	Syine	42D15E351	Single Cell Mining Claim	206079	100% Rudolf Wahl
166072	Syine	42D15E393	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
195337	Syine	42D15E331	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
225461	Syine	42D15E332	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
225462	Syine	42D15E330	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
225463	Syine	42D15E353	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
261360	Syine	42D15E373	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
268806	Syine	42D15E370	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
268807	Syine	42D15E392	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
309242	Syine	42D15E352	Single Cell Mining Claim	206079	100% Rudolf Wahl
309243	Syine	42D15E371	Single Cell Mining Claim	206079	100% Rudolf Wahl
315967	Syine	42D15E390	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
332243	Syine	42D15E350	Boundary Cell Mining Claim	206079	100% Rudolf Wahl
332244	Syine	42D15E372	Single Cell Mining Claim	206079	100% Rudolf Wahl
102707	Tuuri	42D15E320	Single Cell Mining Claim	303657	100% Wayne Richards
102708	Tuuri	42D15E319	Single Cell Mining Claim	303657	100% Wayne Richards
102709	Tuuri	42D15E318	Single Cell Mining Claim	303657	100% Wayne Richards
103106	Tuuri	42D15E358	Single Cell Mining Claim	303657	100% Wayne Richards
103107	Tuuri	42D15E400	Boundary Cell Mining Claim	303657	100% Wayne Richards
109964	Tuuri	42D15E239	Single Cell Mining Claim	303657	100% Wayne Richards
113125	Syine	42D15D028	Single Cell Mining Claim	303657	100% Wayne Richards
115450	Syine	42D15E302	Boundary Cell Mining Claim	303657	100% Wayne Richards
118021	Tuuri	42D15E279	Single Cell Mining Claim	303657	100% Wayne Richards
118022	Syine	42D15E277	Boundary Cell Mining Claim	303657	100% Wayne Richards
127475	Syine	42D15E392	Boundary Cell Mining Claim	303657	100% Wayne Richards
127476	Syine	42D15D071	Boundary Cell Mining Claim	303657	100% Wayne Richards
133940	Syine	42D15E336	Boundary Cell Mining Claim	303657	100% Wayne Richards
133941	Syine	42D15E355	Single Cell Mining Claim	303657	100% Wayne Richards
135887	Syine	42D15E370	Boundary Cell Mining Claim	303657	100% Wayne Richards
135888	Syine	42D15E388	Single Cell Mining Claim	303657	100% Wayne Richards
135889	Syine	42D15D009	Single Cell Mining Claim	303657	100% Wayne Richards
139528	Syine	42D15D052	Single Cell Mining Claim	303657	100% Wayne Richards
141846	Syine	42D15D047	Boundary Cell Mining Claim	303657	100% Wayne Richards
144970	Syine	42D15E390	Boundary Cell Mining Claim	303657	100% Wayne Richards
144971	Syine	42D15D012	Single Cell Mining Claim	303657	100% Wayne Richards
144972	Syine	42D15D073	Boundary Cell Mining Claim	303657	100% Wayne Richards
146935	Syine	42D15D006	Single Cell Mining Claim	303657	100% Wayne Richards
148939	Syine	42D15D067	Boundary Cell Mining Claim	303657	100% Wayne Richards
148940	Syine	42D15D110	Boundary Cell Mining Claim	303657	100% Wayne Richards
149370	Syine	42D15E334	Boundary Cell Mining Claim	303657	100% Wayne Richards
149371	Syine	42D15E376	Single Cell Mining Claim	303657	100% Wayne Richards
149372	Syine	42D15E396	Boundary Cell Mining Claim	303657	100% Wayne Richards
149373	Syine	42D15E394	Boundary Cell Mining Claim	303657	100% Wayne Richards
151375	Syine	42D14H339	Boundary Cell Mining Claim	303657	100% Wayne Richards
153055	Tuuri	42D15E299	Single Cell Mining Claim	303657	100% Wayne Richards
154106	Syine	42D15E306	Boundary Cell Mining Claim	303657	100% Wayne Richards
154107	Syine	42D15E325	Single Cell Mining Claim	303657	100% Wayne Richards
154428	Tuuri	42D15E380	Boundary Cell Mining Claim	303657	100% Wayne Richards
154429	Tuuri	42D15E398	Single Cell Mining Claim	303657	100% Wayne Richards
155428	Syine	42D15D008	Single Cell Mining Claim	303657	100% Wayne Richards
168728	Syine	42D15E333	Boundary Cell Mining Claim	303657	100% Wayne Richards
170147	Syine	42D15E321	Boundary Cell Mining Claim	303657	100% Wayne Richards
170176	Syine	42D15E305	Boundary Cell Mining Claim	303657	100% Wayne Richards
170591	Syine	42D15E368	Boundary Cell Mining Claim	303657	100% Wayne Richards
171055	Syine	42D15E377	Single Cell Mining Claim	303657	100% Wayne Richards
171056	Tuuri	42D15D019	Boundary Cell Mining Claim	303657	100% Wayne Richards
172982	Tuuri	42D15E259	Single Cell Mining Claim	303657	100% Wayne Richards
172983	Tuuri	42D15E258	Single Cell Mining Claim	303657	100% Wayne Richards

Tenure #	Township	Grid Cell	Type	Client ID	Holder
173783	Tuuri	42D15D020	Boundary Cell Mining Claim	303657	100% Wayne Richards
177518	Syine	42D15D087	Boundary Cell Mining Claim	303657	100% Wayne Richards
182496	Syine	42D15E317	Boundary Cell Mining Claim	303657	100% Wayne Richards
184891	Syine	42D15D109	Boundary Cell Mining Claim	303657	100% Wayne Richards
188425	Tuuri	42D15E340	Boundary Cell Mining Claim	303657	100% Wayne Richards
189822	Tuuri	42D15D018	Boundary Cell Mining Claim	303657	100% Wayne Richards
191037	Tuuri	42D15E260	Single Cell Mining Claim	303657	100% Wayne Richards
191502	Syine	42D15D050	Single Cell Mining Claim	303657	100% Wayne Richards
193480	Syine	42D15E346	Single Cell Mining Claim	303657	100% Wayne Richards
195023	Syine	42D15E367	Boundary Cell Mining Claim	303657	100% Wayne Richards
195024	Syine	42D15D005	Boundary Cell Mining Claim	303657	100% Wayne Richards
197483	Syine	42D15E335	Boundary Cell Mining Claim	303657	100% Wayne Richards
200551	Syine	42D15E389	Single Cell Mining Claim	303657	100% Wayne Richards
203647	Syine	42D15D072	Boundary Cell Mining Claim	303657	100% Wayne Richards
205496	Syine	42D15E356	Single Cell Mining Claim	303657	100% Wayne Richards
205497	Syine	42D15E374	Single Cell Mining Claim	303657	100% Wayne Richards
207414	Syine	42D15E301	Boundary Cell Mining Claim	303657	100% Wayne Richards
207640	Tuuri	42D15E278	Single Cell Mining Claim	303657	100% Wayne Richards
210289	Syine	42D15D031	Single Cell Mining Claim	303657	100% Wayne Richards
210518	Tuuri	42D15E240	Single Cell Mining Claim	303657	100% Wayne Richards
210519	Syine	42D15E257	Boundary Cell Mining Claim	303657	100% Wayne Richards
217618	Syine	42D15E354	Single Cell Mining Claim	303657	100% Wayne Richards
218383	Tuuri	42D15E298	Single Cell Mining Claim	303657	100% Wayne Richards
219527	Syine	42D14H359	Boundary Cell Mining Claim	303657	100% Wayne Richards
219785	Tuuri	42D15E360	Boundary Cell Mining Claim	303657	100% Wayne Richards
219786	Syine	42D15D017	Boundary Cell Mining Claim	303657	100% Wayne Richards
220141	Syine	42D15D029	Single Cell Mining Claim	303657	100% Wayne Richards
225820	Tuuri	42D15E300	Single Cell Mining Claim	303657	100% Wayne Richards
225821	Tuuri	42D15E338	Single Cell Mining Claim	303657	100% Wayne Richards
226334	Syine	42D15E326	Single Cell Mining Claim	303657	100% Wayne Richards
227724	Tuuri	42D15E378	Single Cell Mining Claim	303657	100% Wayne Richards
228824	Syine	42D15E391	Boundary Cell Mining Claim	303657	100% Wayne Richards
230080	Syine	42D15E347	Boundary Cell Mining Claim	303657	100% Wayne Richards
230081	Syine	42D15D025	Boundary Cell Mining Claim	303657	100% Wayne Richards
237151	Syine	42D15D048	Single Cell Mining Claim	303657	100% Wayne Richards
240191	Syine	42D15D051	Single Cell Mining Claim	303657	100% Wayne Richards
247681	Syine	42D15E393	Boundary Cell Mining Claim	303657	100% Wayne Richards
247682	Syine	42D15D010	Single Cell Mining Claim	303657	100% Wayne Richards
247683	Syine	42D15D030	Single Cell Mining Claim	303657	100% Wayne Richards
247684	Syine	42D15D053	Boundary Cell Mining Claim	303657	100% Wayne Richards
251692	Syine	42D15D090	Boundary Cell Mining Claim	303657	100% Wayne Richards
251693	Syine	42D15D089	Single Cell Mining Claim	303657	100% Wayne Richards
259258	Tuuri	42D15E238	Single Cell Mining Claim	303657	100% Wayne Richards
263695	Syine	42D15D108	Boundary Cell Mining Claim	303657	100% Wayne Richards
265608	Tuuri	42D15E280	Single Cell Mining Claim	303657	100% Wayne Richards
265609	Syine	42D15E297	Boundary Cell Mining Claim	303657	100% Wayne Richards
265610	Tuuri	42D15E339	Single Cell Mining Claim	303657	100% Wayne Richards
265611	Syine	42D15E337	Boundary Cell Mining Claim	303657	100% Wayne Richards
267329	Syine	42D15E369	Boundary Cell Mining Claim	303657	100% Wayne Richards
274944	Tuuri	42D15E399	Single Cell Mining Claim	303657	100% Wayne Richards
280193	Syine	42D15D068	Single Cell Mining Claim	303657	100% Wayne Richards
284117	Syine	42D15E395	Boundary Cell Mining Claim	303657	100% Wayne Richards
285553	Syine	42D15E304	Boundary Cell Mining Claim	303657	100% Wayne Richards
285554	Syine	42D15E341	Boundary Cell Mining Claim	303657	100% Wayne Richards
285555	Syine	42D14H360	Boundary Cell Mining Claim	303657	100% Wayne Richards
287027	Syine	42D15E357	Single Cell Mining Claim	303657	100% Wayne Richards
288739	Syine	42D15E366	Single Cell Mining Claim	303657	100% Wayne Richards
293838	Syine	42D15E397	Boundary Cell Mining Claim	303657	100% Wayne Richards
294830	Syine	42D15D011	Single Cell Mining Claim	303657	100% Wayne Richards
294831	Syine	42D15D070	Boundary Cell Mining Claim	303657	100% Wayne Richards
296769	Syine	42D15D007	Single Cell Mining Claim	303657	100% Wayne Richards
300247	Syine	42D15D088	Single Cell Mining Claim	303657	100% Wayne Richards
303928	Syine	42D15E322	Single Cell Mining Claim	303657	100% Wayne Richards
303961	Syine	42D15E307	Boundary Cell Mining Claim	303657	100% Wayne Richards
303962	Syine	42D15E327	Boundary Cell Mining Claim	303657	100% Wayne Richards

Tenure #	Township	Grid Cell	Type	Client ID	Holder
307523	Syine	42D15D033	Boundary Cell Mining Claim	303657	100% Wayne Richards
307524	Syine	42D15D032	Single Cell Mining Claim	303657	100% Wayne Richards
309466	Syine	42D15E385	Boundary Cell Mining Claim	303657	100% Wayne Richards
309467	Syine	42D15D026	Boundary Cell Mining Claim	303657	100% Wayne Richards
311166	Syine	42D15D049	Single Cell Mining Claim	303657	100% Wayne Richards
316214	Syine	42D15E386	Single Cell Mining Claim	303657	100% Wayne Richards
316215	Syine	42D15D027	Boundary Cell Mining Claim	303657	100% Wayne Richards
318223	Syine	42D15D069	Single Cell Mining Claim	303657	100% Wayne Richards
318584	Syine	42D15E353	Boundary Cell Mining Claim	303657	100% Wayne Richards
320023	Syine	42D15E303	Boundary Cell Mining Claim	303657	100% Wayne Richards
320730	Syine	42D15E375	Single Cell Mining Claim	303657	100% Wayne Richards
320731	Syine	42D15E373	Boundary Cell Mining Claim	303657	100% Wayne Richards
322143	Syine	42D15E324	Single Cell Mining Claim	303657	100% Wayne Richards
322144	Syine	42D15E323	Single Cell Mining Claim	303657	100% Wayne Richards
322145	Syine	42D14H340	Boundary Cell Mining Claim	303657	100% Wayne Richards
322146	Syine	42D15E344	Boundary Cell Mining Claim	303657	100% Wayne Richards
323046	Tuuri	42D15E359	Single Cell Mining Claim	303657	100% Wayne Richards
323047	Tuuri	42D15E379	Single Cell Mining Claim	303657	100% Wayne Richards
334168	Syine	42D15E343	Boundary Cell Mining Claim	303657	100% Wayne Richards
334169	Syine	42D15E342	Boundary Cell Mining Claim	303657	100% Wayne Richards
335121	Syine	42D15D013	Boundary Cell Mining Claim	303657	100% Wayne Richards
337090	Syine	42D15E345	Boundary Cell Mining Claim	303657	100% Wayne Richards
337091	Syine	42D15E365	Boundary Cell Mining Claim	303657	100% Wayne Richards
337092	Syine	42D15E387	Single Cell Mining Claim	303657	100% Wayne Richards
339099	Syine	42D15D107	Boundary Cell Mining Claim	303657	100% Wayne Richards
106235	Syine	42D15E255	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
106254	Syine	42D15E295	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
106255	Syine	42D15E294	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
106821	Syine	42D15E331	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
113704	Syine	42D15E287	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
122023	Syine	42D15E311	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
131247	Syine	42D15E277	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
132007	Syine	42D15E369	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
132008	Syine	42D15E367	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
134841	Syine	42D15E271	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
140333	Syine	42D15E332	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
140620	Syine	42D15E269	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
140621	Syine	42D15E288	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
145785	Syine	42D15E312	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
146569	Syine	42D15E248	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
147081	Syine	42D15E251	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
147316	Syine	42D15E276	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
150795	Syine	42D15E253	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
150796	Syine	42D15E273	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
150797	Syine	42D15E272	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
160107	Syine	42D15E249	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
161186	Syine	42D15E270	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
161379	Syine	42D15E228	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
195984	Syine	42D15E296	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
196724	Syine	42D15E349	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
204730	Syine	42D15E308	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
204731	Syine	42D15E370	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
212416	Syine	42D15E333	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
213267	Syine	42D15E268	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
215517	Syine	42D15E297	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
216839	Syine	42D15E327	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
216840	Syine	42D15E348	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
233320	Syine	42D15E290	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
233456	Syine	42D15E350	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
234625	Syine	42D15E274	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
234626	Syine	42D15E292	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
238532	Syine	42D15E309	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
238533	Syine	42D15E329	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
249123	Syine	42D15E314	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
249230	Syine	42D15E317	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards

Tenure #	Township	Grid Cell	Type	Client ID	Holder
249231	Syine	42D15E316	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
251343	Syine	42D15E307	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
251344	Syine	42D15E368	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
252840	Syine	42D15E330	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
261977	Syine	42D15E336	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
269425	Syine	42D15E257	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
269426	Syine	42D15E256	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
270724	Syine	42D15E347	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
281329	Syine	42D15E291	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
308394	Syine	42D15E335	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
309702	Syine	42D15E250	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
309858	Syine	42D15E337	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
315079	Syine	42D15E334	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
318736	Syine	42D15E310	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
319514	Syine	42D15E275	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
324730	Syine	42D15E289	Boundary Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
327794	Syine	42D15E315	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
332816	Syine	42D15E328	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
336508	Syine	42D15E313	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
341575	Syine	42D15E254	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards
341576	Syine	42D15E293	Single Cell Mining Claim	141000, 303657	50% James Hamel, 50% Wayne Richards

Appendix 3: Expenditure Statement and Distribution

Cost Statement and Expenditure Distribution

The only cost involved for completing the geoscientific Interpretation was that of the contractor that did the work, Ronacher McKenzie Geoscience. This was paid as a total charge of \$11,657 on invoices (Appendix 4).

Since the geoscientific Interpretation was conducted over all the cell mining claims of the Jackfish property equally, the expenditure has been distributed across all 223 cells of the Provincial Grid as a unit price of 1/223 of the total cost where:

- A single cell mining claim (122 total) receives one whole unit,
- A boundary cell mining claim around the perimeter of the property (48 total) receives one whole unit,
- A grid cell internal to the property containing two boundary cell mining claim (96 total) receives one half of a unit,
- A grid cell internal to the property shared by three boundary cell mining claims (15 total) receives one third of a unit,

approximately to the nearest whole dollar.

The distribution of expenditure across the cell mining claims by ownership is shown in the following tables:

Table 3.1: Distribution of Expenditures across Alto Ventures Ltd. Cell Mining Claims.

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
106904	42D15E289	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
115452	42D15E261	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
115453	42D15E301	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$17
115454	42D15E321	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
115455	42D15E248	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
128695	42D15E288	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
141887	42D15E249	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
151391	42D15E243	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
170146	42D15E304	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
192693	42D15E308	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
199402	42D15E287	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
199475	42D15E301	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$17
207415	42D14H339	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
207416	42D15E268	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
219595	42D15E244	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
226308	42D14H340	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
249402	42D15E309	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
255245	42D15E250	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
273426	42D14H260	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
273427	42D14H279	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
273428	42D15E281	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
273450	42D15E242	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
273505	42D15E302	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
285552	42D15E303	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
303927	42D15E305	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
303948	42D15E281	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
303967	42D15E307	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$17
320025	42D15E241	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
320039	42D15E261	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
322142	42D15E306	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
322147	42D14H259	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
322148	42D14H299	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
322149	42D14H319	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
322168	42D15E241	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
334328	42D15E228	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$27
338531	42D15E224	SYINE	BCMC	302737	100% Alto Ventures Ltd.	\$52
115456	42D15E247	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
115520	42D15E265	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
147104	42D15E227	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
147105	42D15E226	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
147106	42D15E225	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
151374	42D15E284	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
151376	42D14H280	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
151377	42D14H320	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
153574	42D15E283	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
153587	42D15E245	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
207434	42D15E262	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
226307	42D14H300	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
237195	42D15E229	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
266020	42D15E263	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
266048	42D15E264	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
267851	42D15E230	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
273425	42D15E286	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
273429	42D15E267	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
273430	42D15E266	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
285551	42D15E285	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
285570	42D15E282	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
322150	42D15E246	SYINE	SCMC	302737	100% Alto Ventures Ltd.	\$52
			Total	302737	100% Alto Ventures Ltd.	\$2,311

Table 3.2: Distribution of Expenditures across Francine Richards Cell Mining Claims.

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
103758	42D15D016	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$52
123323	42D15D033	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$27
161782	42D15E396	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$27
216603	42D15E395	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$27
235149	42D15E394	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$27
236689	42D15D035	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$52
283111	42D15E393	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$17
291176	42D15D013	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$27
291177	42D15D034	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$52
342749	42D15D036	SYINE	BCMC	412540	50% Francine Richards, 50% Wayne Richards	\$52
187308	42D15D015	SYINE	SCMC	412540	50% Francine Richards, 50% Wayne Richards	\$52
330380	42D15D014	SYINE	SCMC	412540	50% Francine Richards, 50% Wayne Richards	\$52
			Total	412540	50% Francine Richards, 50% Wayne Richards	\$464

Table 3.3: Distribution of Expenditures across Kellyn Property Cell Mining Claims.

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
106821	42D15E331	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
113704	42D15E287	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
131247	42D15E277	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
132007	42D15E369	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
132008	42D15E367	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
140333	42D15E332	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
140621	42D15E288	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
146569	42D15E248	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
160107	42D15E249	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
161379	42D15E228	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
204730	42D15E308	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
204731	42D15E370	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$16
212416	42D15E333	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$16
213267	42D15E268	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
215517	42D15E297	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
216839	42D15E327	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
233456	42D15E350	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
238532	42D15E309	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
249230	42D15E317	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
251343	42D15E307	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$16
251344	42D15E368	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
252840	42D15E330	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
261977	42D15E336	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
269425	42D15E257	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
270724	42D15E347	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
308394	42D15E335	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
309702	42D15E250	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
309858	42D15E337	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
315079	42D15E334	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
324730	42D15E289	SYINE	BCMC	141000	50% James Hamel, 50% Wayne Richards	\$26
106235	42D15E255	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
106254	42D15E295	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
106255	42D15E294	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
122023	42D15E311	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
134841	42D15E271	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
140620	42D15E269	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
145785	42D15E312	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
147081	42D15E251	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
147316	42D15E276	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
150795	42D15E253	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
150796	42D15E273	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
150797	42D15E272	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
161186	42D15E270	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
195984	42D15E296	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
196724	42D15E349	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
216840	42D15E348	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
233320	42D15E290	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
234625	42D15E274	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
234626	42D15E292	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
238533	42D15E329	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
249123	42D15E314	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
249231	42D15E316	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
269426	42D15E256	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
281329	42D15E291	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
318736	42D15E310	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
319514	42D15E275	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
327794	42D15E315	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
332816	42D15E328	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
336508	42D15E313	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
341575	42D15E254	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
341576	42D15E293	SYINE	SCMC	141000	50% James Hamel, 50% Wayne Richards	\$52
			Total	141000	50% James Hamel, 50% Wayne Richards	\$2,362

Table 3.4: Distribution of Expenditures across Rudy Wahl Cell Mining Claims.

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
130628	42D15E391	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
160743	42D15E333	SYINE	BCMC	206079	100% Rudolf Wahl	\$17
166072	42D15E393	SYINE	BCMC	206079	100% Rudolf Wahl	\$17
195337	42D15E331	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
225461	42D15E332	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
225462	42D15E330	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
225463	42D15E353	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
261360	42D15E373	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
268806	42D15E370	SYINE	BCMC	206079	100% Rudolf Wahl	\$17
268807	42D15E392	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
315967	42D15E390	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
332243	42D15E350	SYINE	BCMC	206079	100% Rudolf Wahl	\$27
160744	42D15E351	SYINE	SCMC	206079	100% Rudolf Wahl	\$52
309242	42D15E352	SYINE	SCMC	206079	100% Rudolf Wahl	\$52
309243	42D15E371	SYINE	SCMC	206079	100% Rudolf Wahl	\$52
332244	42D15E372	SYINE	SCMC	206079	100% Rudolf Wahl	\$52
			Total	206079	100% Rudolf Wahl	\$502

Table 3.5: Distribution of Expenditures across Wayne Richards Cell Mining Claims.

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
115450	42D15E302	SYINE	BCMC	303657	100% Wayne Richards	\$27
118022	42D15E277	SYINE	BCMC	303657	100% Wayne Richards	\$27
127475	42D15E392	SYINE	BCMC	303657	100% Wayne Richards	\$27
127476	42D15D071	SYINE	BCMC	303657	100% Wayne Richards	\$52
133940	42D15E336	SYINE	BCMC	303657	100% Wayne Richards	\$27
135887	42D15E370	SYINE	BCMC	303657	100% Wayne Richards	\$17
141846	42D15D047	SYINE	BCMC	303657	100% Wayne Richards	\$52
144970	42D15E390	SYINE	BCMC	303657	100% Wayne Richards	\$27
144972	42D15D073	SYINE	BCMC	303657	100% Wayne Richards	\$52
148939	42D15D067	SYINE	BCMC	303657	100% Wayne Richards	\$52
148940	42D15D110	SYINE	BCMC	303657	100% Wayne Richards	\$52
149370	42D15E334	SYINE	BCMC	303657	100% Wayne Richards	\$27
149372	42D15E396	SYINE	BCMC	303657	100% Wayne Richards	\$27
149373	42D15E394	SYINE	BCMC	303657	100% Wayne Richards	\$27
151375	42D14H339	SYINE	BCMC	303657	100% Wayne Richards	\$27
154106	42D15E306	SYINE	BCMC	303657	100% Wayne Richards	\$27
168728	42D15E333	SYINE	BCMC	303657	100% Wayne Richards	\$17
170147	42D15E321	SYINE	BCMC	303657	100% Wayne Richards	\$27
170176	42D15E305	SYINE	BCMC	303657	100% Wayne Richards	\$27
170591	42D15E368	SYINE	BCMC	303657	100% Wayne Richards	\$27
177518	42D15D087	SYINE	BCMC	303657	100% Wayne Richards	\$52
182496	42D15E317	SYINE	BCMC	303657	100% Wayne Richards	\$27
184891	42D15D109	SYINE	BCMC	303657	100% Wayne Richards	\$52
195023	42D15E367	SYINE	BCMC	303657	100% Wayne Richards	\$27
195024	42D15D005	SYINE	BCMC	303657	100% Wayne Richards	\$52
197483	42D15E335	SYINE	BCMC	303657	100% Wayne Richards	\$27
203647	42D15D072	SYINE	BCMC	303657	100% Wayne Richards	\$52
207414	42D15E301	SYINE	BCMC	303657	100% Wayne Richards	\$17
210519	42D15E257	SYINE	BCMC	303657	100% Wayne Richards	\$27
219527	42D14H359	SYINE	BCMC	303657	100% Wayne Richards	\$52
219786	42D15D017	SYINE	BCMC	303657	100% Wayne Richards	\$52
228824	42D15E391	SYINE	BCMC	303657	100% Wayne Richards	\$27
230080	42D15E347	SYINE	BCMC	303657	100% Wayne Richards	\$27
230081	42D15D025	SYINE	BCMC	303657	100% Wayne Richards	\$52
247681	42D15E393	SYINE	BCMC	303657	100% Wayne Richards	\$12
247684	42D15D053	SYINE	BCMC	303657	100% Wayne Richards	\$52
251692	42D15D090	SYINE	BCMC	303657	100% Wayne Richards	\$52
263695	42D15D108	SYINE	BCMC	303657	100% Wayne Richards	\$52
265609	42D15E297	SYINE	BCMC	303657	100% Wayne Richards	\$27
265611	42D15E337	SYINE	BCMC	303657	100% Wayne Richards	\$27
267329	42D15E369	SYINE	BCMC	303657	100% Wayne Richards	\$27
284117	42D15E395	SYINE	BCMC	303657	100% Wayne Richards	\$27
285553	42D15E304	SYINE	BCMC	303657	100% Wayne Richards	\$27
285554	42D15E341	SYINE	BCMC	303657	100% Wayne Richards	\$52

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
285555	42D14H360	SYINE	BCMC	303657	100% Wayne Richards	\$52
293838	42D15E397	SYINE	BCMC	303657	100% Wayne Richards	\$52
294831	42D15D070	SYINE	BCMC	303657	100% Wayne Richards	\$52
303961	42D15E307	SYINE	BCMC	303657	100% Wayne Richards	\$17
303962	42D15E327	SYINE	BCMC	303657	100% Wayne Richards	\$27
307523	42D15D033	SYINE	BCMC	303657	100% Wayne Richards	\$27
309466	42D15E385	SYINE	BCMC	303657	100% Wayne Richards	\$52
309467	42D15D026	SYINE	BCMC	303657	100% Wayne Richards	\$52
316215	42D15D027	SYINE	BCMC	303657	100% Wayne Richards	\$52
318584	42D15E353	SYINE	BCMC	303657	100% Wayne Richards	\$27
320023	42D15E303	SYINE	BCMC	303657	100% Wayne Richards	\$27
320731	42D15E373	SYINE	BCMC	303657	100% Wayne Richards	\$27
322145	42D14H340	SYINE	BCMC	303657	100% Wayne Richards	\$27
322146	42D15E344	SYINE	BCMC	303657	100% Wayne Richards	\$52
334168	42D15E343	SYINE	BCMC	303657	100% Wayne Richards	\$52
334169	42D15E342	SYINE	BCMC	303657	100% Wayne Richards	\$52
335121	42D15D013	SYINE	BCMC	303657	100% Wayne Richards	\$27
337090	42D15E345	SYINE	BCMC	303657	100% Wayne Richards	\$52
337091	42D15E365	SYINE	BCMC	303657	100% Wayne Richards	\$52
339099	42D15D107	SYINE	BCMC	303657	100% Wayne Richards	\$52
113125	42D15D028	SYINE	SCMC	303657	100% Wayne Richards	\$52
133941	42D15E355	SYINE	SCMC	303657	100% Wayne Richards	\$52
135888	42D15E388	SYINE	SCMC	303657	100% Wayne Richards	\$52
135889	42D15D009	SYINE	SCMC	303657	100% Wayne Richards	\$52
139528	42D15D052	SYINE	SCMC	303657	100% Wayne Richards	\$52
144971	42D15D012	SYINE	SCMC	303657	100% Wayne Richards	\$52
146935	42D15D006	SYINE	SCMC	303657	100% Wayne Richards	\$52
149371	42D15E376	SYINE	SCMC	303657	100% Wayne Richards	\$52
154107	42D15E325	SYINE	SCMC	303657	100% Wayne Richards	\$52
155428	42D15D008	SYINE	SCMC	303657	100% Wayne Richards	\$52
171055	42D15E377	SYINE	SCMC	303657	100% Wayne Richards	\$52
191502	42D15D050	SYINE	SCMC	303657	100% Wayne Richards	\$52
193480	42D15E346	SYINE	SCMC	303657	100% Wayne Richards	\$52
200551	42D15E389	SYINE	SCMC	303657	100% Wayne Richards	\$52
205496	42D15E356	SYINE	SCMC	303657	100% Wayne Richards	\$52
205497	42D15E374	SYINE	SCMC	303657	100% Wayne Richards	\$52
210289	42D15D031	SYINE	SCMC	303657	100% Wayne Richards	\$52
217618	42D15E354	SYINE	SCMC	303657	100% Wayne Richards	\$52
220141	42D15D029	SYINE	SCMC	303657	100% Wayne Richards	\$52
226334	42D15E326	SYINE	SCMC	303657	100% Wayne Richards	\$52
237151	42D15D048	SYINE	SCMC	303657	100% Wayne Richards	\$52
240191	42D15D051	SYINE	SCMC	303657	100% Wayne Richards	\$52
247682	42D15D010	SYINE	SCMC	303657	100% Wayne Richards	\$52
247683	42D15D030	SYINE	SCMC	303657	100% Wayne Richards	\$52
251693	42D15D089	SYINE	SCMC	303657	100% Wayne Richards	\$52
280193	42D15D068	SYINE	SCMC	303657	100% Wayne Richards	\$52

Tenure #	Grid Cell	Township	Title Type	Client ID	Holder	Data Reprocessing
287027	42D15E357	SYINE	SCMC	303657	100% Wayne Richards	\$52
288739	42D15E366	SYINE	SCMC	303657	100% Wayne Richards	\$52
294830	42D15D011	SYINE	SCMC	303657	100% Wayne Richards	\$52
296769	42D15D007	SYINE	SCMC	303657	100% Wayne Richards	\$52
300247	42D15D088	SYINE	SCMC	303657	100% Wayne Richards	\$52
303928	42D15E322	SYINE	SCMC	303657	100% Wayne Richards	\$52
307524	42D15D032	SYINE	SCMC	303657	100% Wayne Richards	\$52
311166	42D15D049	SYINE	SCMC	303657	100% Wayne Richards	\$52
316214	42D15E386	SYINE	SCMC	303657	100% Wayne Richards	\$52
318223	42D15D069	SYINE	SCMC	303657	100% Wayne Richards	\$52
320730	42D15E375	SYINE	SCMC	303657	100% Wayne Richards	\$52
322143	42D15E324	SYINE	SCMC	303657	100% Wayne Richards	\$52
322144	42D15E323	SYINE	SCMC	303657	100% Wayne Richards	\$52
337092	42D15E387	SYINE	SCMC	303657	100% Wayne Richards	\$52
103107	42D15E400	TUURI	BCMC	303657	100% Wayne Richards	\$52
154428	42D15E380	TUURI	BCMC	303657	100% Wayne Richards	\$52
171056	42D15D019	TUURI	BCMC	303657	100% Wayne Richards	\$52
173783	42D15D020	TUURI	BCMC	303657	100% Wayne Richards	\$52
188425	42D15E340	TUURI	BCMC	303657	100% Wayne Richards	\$52
189822	42D15D018	TUURI	BCMC	303657	100% Wayne Richards	\$52
219785	42D15E360	TUURI	BCMC	303657	100% Wayne Richards	\$52
102707	42D15E320	TUURI	SCMC	303657	100% Wayne Richards	\$52
102708	42D15E319	TUURI	SCMC	303657	100% Wayne Richards	\$52
102709	42D15E318	TUURI	SCMC	303657	100% Wayne Richards	\$52
103106	42D15E358	TUURI	SCMC	303657	100% Wayne Richards	\$52
109964	42D15E239	TUURI	SCMC	303657	100% Wayne Richards	\$52
118021	42D15E279	TUURI	SCMC	303657	100% Wayne Richards	\$52
153055	42D15E299	TUURI	SCMC	303657	100% Wayne Richards	\$52
154429	42D15E398	TUURI	SCMC	303657	100% Wayne Richards	\$52
172982	42D15E259	TUURI	SCMC	303657	100% Wayne Richards	\$52
172983	42D15E258	TUURI	SCMC	303657	100% Wayne Richards	\$52
191037	42D15E260	TUURI	SCMC	303657	100% Wayne Richards	\$52
207640	42D15E278	TUURI	SCMC	303657	100% Wayne Richards	\$52
210518	42D15E240	TUURI	SCMC	303657	100% Wayne Richards	\$52
218383	42D15E298	TUURI	SCMC	303657	100% Wayne Richards	\$52
225820	42D15E300	TUURI	SCMC	303657	100% Wayne Richards	\$52
225821	42D15E338	TUURI	SCMC	303657	100% Wayne Richards	\$52
227724	42D15E378	TUURI	SCMC	303657	100% Wayne Richards	\$52
259258	42D15E238	TUURI	SCMC	303657	100% Wayne Richards	\$52
265608	42D15E280	TUURI	SCMC	303657	100% Wayne Richards	\$52
265610	42D15E339	TUURI	SCMC	303657	100% Wayne Richards	\$52
274944	42D15E399	TUURI	SCMC	303657	100% Wayne Richards	\$52
323046	42D15E359	TUURI	SCMC	303657	100% Wayne Richards	\$52
323047	42D15E379	TUURI	SCMC	303657	100% Wayne Richards	\$52
			Total	303657	100% Wayne Richards	\$6,018

Appendix 4: Invoices Supporting Expenditure