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**2019 ASSESSMENT WORK REPORT**  
**ON THE**  
**EAST SOULES BAY PROPERTY**  
**RIACH LAKE AREA**  
**PATRICIA MINING DIVISION, ONTARIO, CANADA**  
**NTS: 52O/01SW**

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**May 16, 2019**

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## 1. Summary

Rockex Mining Corporation owns 21 cell claims in the surroundings of Eastern Lake St. Joseph area on its East Soules Bay Property, near highway 599 en route to Pickle Lake. The property is located 60 kilometers south of Pickle Lake near Osnaburgh village of the Mishkeegamang First Nation in the Patricia Mining Division.

A crew composed of a geologist and his assistant travelled to Pickle Lake then to the property from there in between the 2 travel days, and carried out a metallurgical sampling of a formerly mapped Iron Formation rock geological unit by the Ontario Department of Mines in the 1960's and 1980's. Due to the difficult conditions and the nature of the rock, the samples had to be cut with a rock saw taking a significant weight for analysis. For this study, on the Rockex portion of this major iron formation, the samples have been analyzed for their iron content ( $\text{Fe}_2\text{O}_3$ ) by XRF and iron titration ( $\text{FeO}$ ) for the iron ratio as well as by Davis Tube Magnetic Separation to know the exact percentage of magnetite in the rock. Also, the specific gravity (SG) has been tested in those samples in the future eventuality of calculating any tonnages on this ore body.

The property was reached with an air-boat (see photos in this report) on April 27<sup>th</sup> of 2019 from a boat launch located between Pickle Lake to the north and Osnaburgh First Nation Reserve to the south, for a 21.7 kilometers very rough ride on the frozen lake of Lake St. Joseph. The program required to take three days, traveling to Pickle Lake on April 26<sup>th</sup>, do the survey on the 27<sup>th</sup> and return to Thunder Bay on the 28<sup>th</sup> of April.

The survey took all day from launching the boat at the Old Post & Village Landing at 7.30 AM starting with breaking the ice and shoveling the snow off the ramp, ride 21.7 kilometers on very rough lake surface and once there, locate the outcrops with iron formation occurrences. We didn't have time to drill any samples with the Drill Plugger so we just used a core saw transporting it through difficult and dirty bush. Six representative's samples were collected overall on a stretch of 1.1 kilometer. The day ended up around 7.00 PM to the landing.

Back to the office in Thunder Bay, the data and results have been downloaded in the computer and interpreted to produce this report, which report will be used for assessment work for the claims. Time frame of the sampling program has been set at April 17, the day of fuelling the Air Boat, to the end of life of the cell claims on May 26<sup>th</sup> of 2019.

All the costs, rentals, salaries, including payment to Actlabs, were taken care by Pierre Gagné Contracting Limited and charged as such to Rockex Mining Corporation. These are all reflected in this report, and the total costs amounted to **\$14,423** for the whole job, including travel, field and office hours as well as living for 2 days in Pickle Lake. The 6 samples taken in the field were analyzed at Activation Laboratory in Thunder Bay.

## **2. Introduction**

East Soules Bay deposit includes a portion of a low to medium grade magnetite iron formation called the Steep Rock North Zone Deposit by Sage and Breaks (1982), which is hosted within clastic meta-sedimentary rocks and mafic flows to the north. The segment of this iron formation straddles the Rockex property at approximately 075° azimuth, and includes a large portion of the estimated iron reserves described in Report No. 42 on Geology of Pashkokogan Lake by A. M. Goodwin of the Ontario Department of Mines in 1965.

East Soules Bay property is in Riach Lake area of Patricia mining district, some 25 kilometers west of highway 599 en route to Pickle Lake. This expedition to the property has been planned for the purpose of assessment work, particularly needed for these 11 cell claims 268849, 260847, 224890, 178317, 194213, 212874, 232187, 314793, 260846, 194212 and 327501. A team of two workers planned to head to the property on April 27<sup>th</sup>, 2019 in an “Air Boat” (flat boat with closed cabin and powerful propeller) moving on the icy waters of Lake St. Joseph with the necessary material to perform the planned field work. The work consists in taking rock samples with the help of a Stihl 1200cc rock saw or if the time permits, with a Plugger Drill Hilti DD 100 for 12 inches long BQ core size on surface of localized outcrops, within the bands of iron formation laying roughly east-west in the south half portion of the claims. The samples will be analyzed for metallurgical study on the iron content, percentage of magnetite ore in the rock and specific gravity to precede further studies on Rockex portion of its Steep Rock North Zone portion of the iron formation. All samples taken on the property are planned to be processed at the Activation Laboratory (Actlabs) in Thunder Bay.

## **3. Property, Location, Access, and Physiography**

The East Soules Bay Property is located approximately 489 km north-west of Thunder Bay, off highway 17 at Ignace by taking highway 599 to Pickle Lake. It can be accessed by water off highway 599 from a landing ramp on Lake St-Joseph between Pickle Lake to the north and Osnaburgh First Nation reserve to the south (see figure 1).

The property consists of 21 cell claims for 431 hectares that are 100% owned by Rockex Mining Corporation. They are contained within the Patricia Mining Division and centered on latitude 676,515 East and longitude 5,657,420 North, within the Riach Lake Area (Claim Map G-2184), and NTS block 52O/01SW (see figure 2 and table 1).

Topography is rather flat with swamps, marshes and variable growths of black spruce, larch, and tag alder. The area also supports a large number of lakes with a strong southwesterly grain due to the passage of the ice sheet. The level of Lake St-Joseph is variable because its natural drainage has been diverted by a dam erected at the NE outlet of the lake. Many streams are inter-connected in a network between the small and larger water plants.

Osnaburgh is on Lake St-Joseph across highway 599 one kilometers east of Doghole Bay. The members of the reserve are by the hundreds and members of the Mishkeegogamang First Nation of the Ojibway tribe. The reserve is just a few kilometers north of the property and Rockex is actively consulting with Mishkeegogamang.

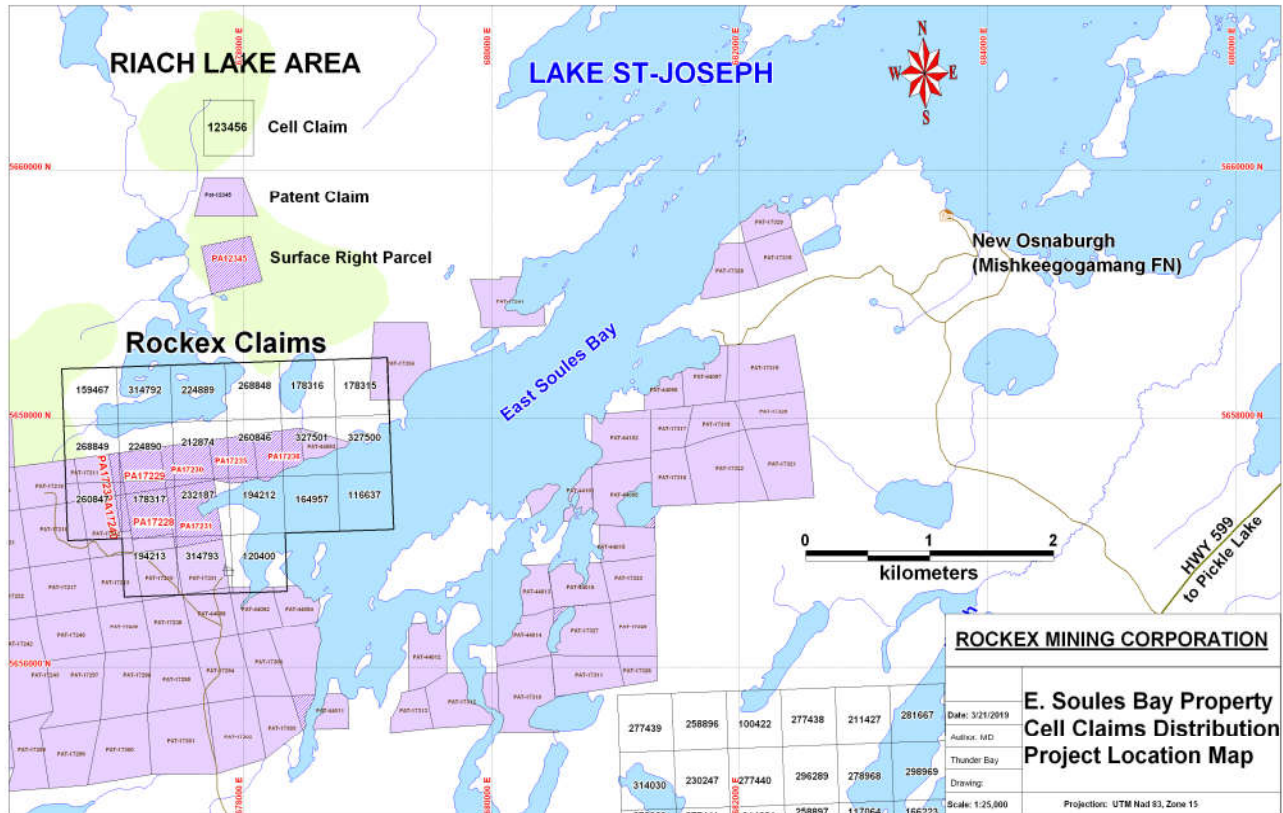


Figure 1: Ontario Location Map

CLAIM HOLDER	%	CLIENT #	TOWNSHIP_NAME	CELL CLAIM	CELL_KEY_ID	CELL_TYPE	Due Date	Work Due
RXM	100	410638	RIACH LAKE AREA	<b>327501</b>	52O01D188	Encumbered	25-May-19	<b>\$200</b>
RXM	100	410638	RIACH LAKE AREA	<b>327500</b>	52O01D189	Encumbered	25-May-19	<b>\$200</b>
RXM	100	410638	RIACH LAKE AREA	<b>164957</b>	52O01D208	Standard	25-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>116637</b>	52O01D209	Standard	25-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>159467</b>	52O01D164	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>314792</b>	52O01D165	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>224889</b>	52O01D166	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>268848</b>	52O01D167	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>178316</b>	52O01D168	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>178315</b>	52O01D169	Encumbered	20-May-19	<b>\$200</b>
RXM	100	410638	RIACH LAKE AREA	<b>268849</b>	52O01D184	Encumbered	20-May-19	<b>\$200</b>
RXM	100	410638	RIACH LAKE AREA	<b>224890</b>	52O01D185	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>212874</b>	52O01D186	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>260846</b>	52O01D187	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>260847</b>	52O01D204	Encumbered	20-May-19	<b>\$200</b>
RXM	100	410638	RIACH LAKE AREA	<b>178317</b>	52O01D205	Encumbered	20-May-20	<b>\$200</b>
RXM	100	410638	RIACH LAKE AREA	<b>232187</b>	52O01D206	Standard	20-May-20	\$400
RXM	100	410638	RIACH LAKE AREA	<b>194212</b>	52O01D207	Standard	20-May-19	\$400
RXM	100	410638	RIACH LAKE AREA	<b>194213</b>	52O01D225	Encumbered	20-May-19	<b>\$200</b>
RXM	100	410638	RIACH LAKE AREA	<b>314793</b>	52O01D226	Encumbered	20-May-19	<b>\$200</b>
RXM	100	410638	RIACH LAKE AREA	<b>120400</b>	52O01D227	Encumbered	20-May-19	<b>\$200</b>

**Table 1: East Soules Bay Claim Status – Rockex Mining Corporation (RXM)**





**Figure 2: East Soules Bay Claims Location Map (1:25,000 scale in appendix I)**

#### 4. Work History

**1922:** The area was mapped by E. L. Bruce.

**1933:** Subsequent mapping was carried out by W. S. Dyer.

**1959 to 1960:** The Ontario Department of Mines and the Geological Survey of Canada joined force together to carry out a large regional airborne magnetometer survey and mapping program.

**1965:** A. M. Goodwin submitted report No. 42 on Geology of Pashkokogan Lake – Eastern Lake St. Joseph Area on his detailed mapping of the area for the Ontario Department of Mines. His report includes his estimation of iron ore reserves in eastern Lake St. Joseph.

**1985 & 2007:** The Ministry of Northern Development and Mines updated and summarized the geology and iron ore reserves on the Eastern Lake St. Joseph based on 1965 Goodwin report No. 42.

**2012: Heliborne High Resolution Aeromagnetic Survey over the East Soules Bay Property of Rockex Mining Corporation by Geo Data Solutions GDS Inc. of Laval, Quebec.**

**2017: Beep Mat survey magnetic detection on crossing Iron Formation contact at Rockex Mining Corporation East Soules Bay property.**

## **5. Regional Geology**

The bedrock in Eastern Lake St. Joseph is characteristically of Precambrian age. It comprises an older assemblage of metasediments and metavolcanics as well as associated mafic intrusions such as younger felsic intrusions and diabases. The unconsolidated till, sand, gravel and clay are chiefly of Pleistocene age.

The older assemblage comprises interzoned metasediments and metavolcanics. Metasediments form the lower part of the sequence. They are conformably overlain by a substantial thickness of assorted felsic to mafic volcanic rocks with which several thinner zones of metasediments are associated.

Metasediments consist mainly of quartz-mica schist, arkose, greywacke, staurolite-garnet-andalusite schist, pebble conglomerate and banded iron formation. All iron formation of economic interest is contained in the main sedimentary zone that lies in the lower part of the rock sequence.

Metavolcanics consist predominantly of felsic to mafic tuffs, flows, breccias and metamorphic equivalents. Occasional dikes, sills and larger irregular masses of metadiorite or metagabbro are present.

Granitic stocks up to 9 kilometers in diameter are present in the older rocks. In addition, the south border of the area is underlain by younger granite gneiss and migmatite. Fewer dikes of fresh diabase were found to intrude into metavolcanics.

See figure 3 below;

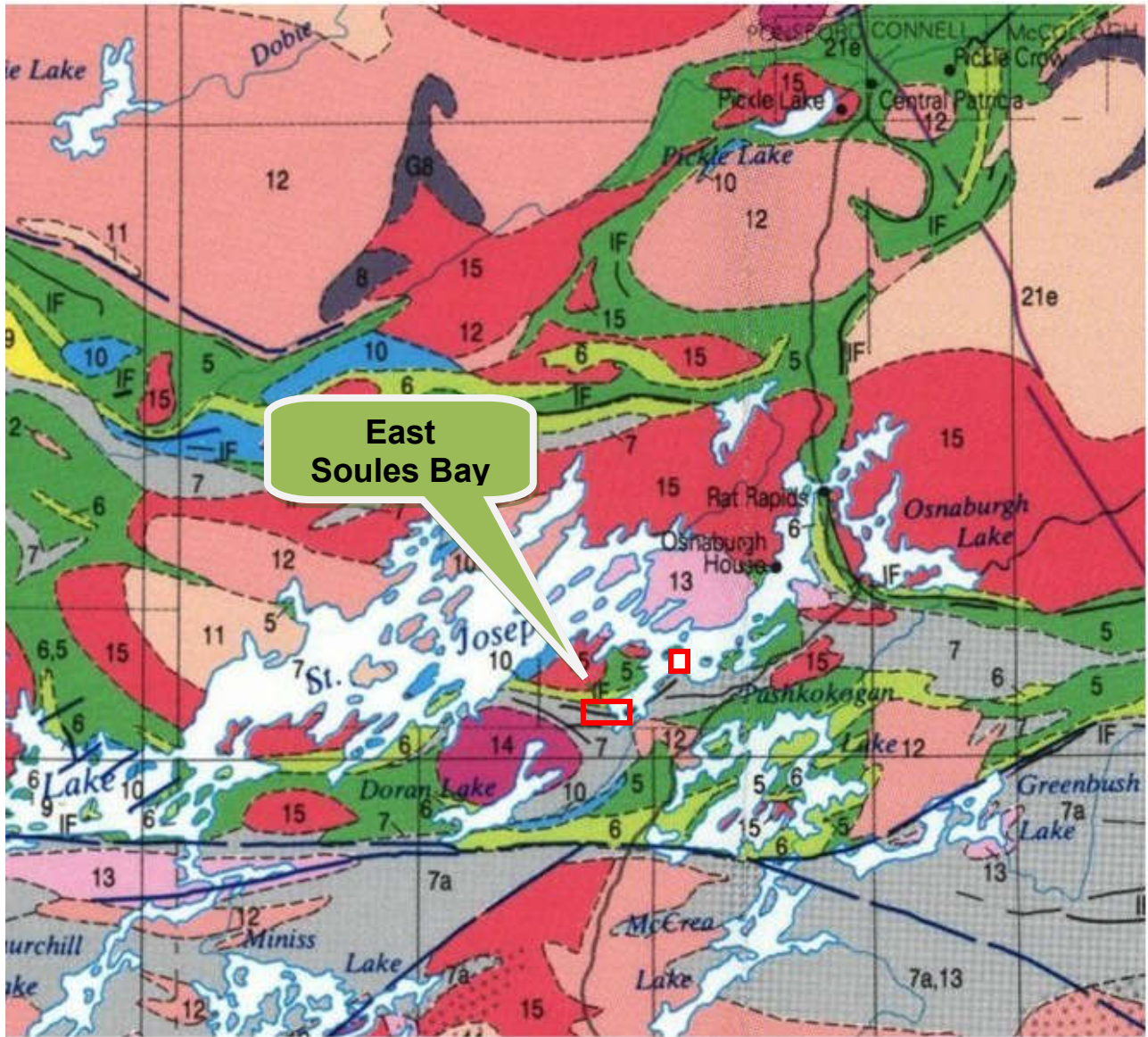


Figure 3: Regional Geology Map

- 5 Mafic Metavolcanics - green
- 6 Felsic to Intermediate Metavolcanics – light green
- 7 Meta Sediments including Chemical Sediments Iron Formation - grey
- 10 Ultramafics – blue
- 12 Tonalite – dark pink
- 13 Muscovite bearing granitic rocks – pink
- 14 Diorite-Monzonite-Granodiorite suites - purple
- 15 Massive granodiorite to granite - red

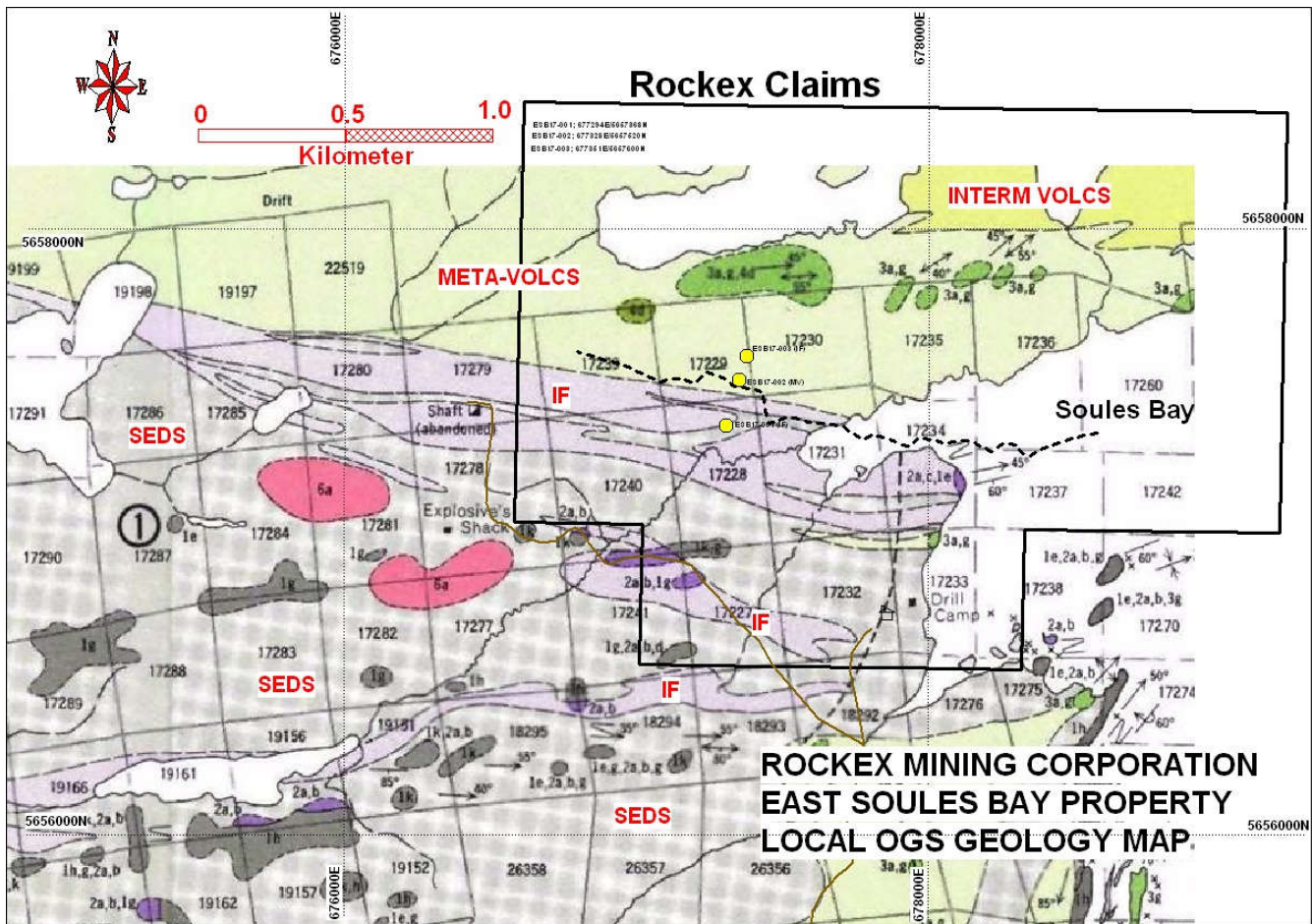
## 6. Property Geology

The East Soules Bay Property of Eastern Lake St. Joseph consists in a medium grade magnetite iron formation (IF) deposit named Steep Rock North Zone, hosted within a clastic metasedimentary rock sequence (Goodwin 1965). The metasedimentary sequence (SEDS) is reported to consist of a variety of lithologies ranging from conglomerates to argillite, and is intercalated with metavolcanic tuff and amphibolite units. The iron formations are reported by Goodwin (1965) to be closely associated with argillaceous schist units that occur near the upper (northern) contact of the metasedimentary sequence with an overlying metavolcanic rock-dominated assemblage. The iron formation is described by Goodwin (1965) as banded iron formation consisting of alternating 1 to 25cm thick layers of black magnetite-rich material, white quartz-rich layers, and grey-green-brown silicate-rich (clastic sediment-dominated) layers. The richest zones with highest concentration of magnetite layers are reported to occur near the northern contact. Goodwin (1965) reports that the rocks of this area lie on the north limb of an east-northeast trending, and east-northeast plunging (30-60°) anticline. This limb of the structure is overturned, with bedding generally reported to dip between 60-80° towards the south. Smaller scale complex folding of the iron formation is also reported by Goodwin (1965), with numerous reversals in younging direction noted in various portion of the deposit.

The portion of the North Zone hosted within Rockex claims fills the southern half of the claims, and ranges up to 300 meter in width with a minimum of 150 meters in depth reported by old drilling (Goodwin, 1965). The strike direction is about 105° with dips varying from 55 to 80° toward the south. Sage and Breaks (1982) report reserves in the hundreds of millions tonnes grading 23.78% Fe for the North Zone to a depth of 122 meters.

The lithologies north of the contact are covered by mafic and intermediate meta-volcanic rocks although small isolated bands of iron formation also occur.

See figure 4 below for geology map of East Soules Bay;



**Figure 4 East Soules Bay Geology Map (source OGS M2094, 1962)**

- IF:** Iron Formation
- SEDS:** Sediments, clastics and chemicals
- META-VOLCS:** Mafic volcanogenic flows, eg; basalt, tuffs
- INTERM-VOLCS:** Intermediate-felsic volcanogenic flows, eg; dacite, felsic tuffs
- 6a:** Gabbroic intrusive rock

### **7. Geology and Methodology of Work at East Soules Bay Property**

The 2019 work program at the East Soules Bay property consisted in taking 4 to 5 pounds of representative channel samples with a TS 800 STIHL rock saw (see figure 6). The author of this report (Mitch Dumoulin, P. Geo) and his geological assistant (Jerry Nichols) reached the property in the early morning of April 27, 2019. We accessed the property with an Air Boat that consists in a flat base boat propelled by a propeller geared on a 400 horse power engine at the back of the boat (see figure 5). This mean of transport was the only way to get to the property at this time of the year when the ice on the lake is thinning ready for break up. The landing site called Old Post & Village is between Pickle Lake to the North and Osnaburgh to the south. Ministry of Northern Development and Mines (MNDM) and the authorities of Mishkeegogamang First Nation have been advised of our program. Pierre Gagné Contracting Limited provided the employees and equipment for Rockex.



**Figure 5: Air Boat with rear propeller used to access East Soules Bay Property**



**Figure 6: STIHL Rock saw to cut the samples in the field and Hilti Plugger Drill**

A decision to do field work was necessary to fill the needs of assessment work in relation with the claims. As said above in the property geology section, East Soules Bay contains a fair portion of the Steep Rock North Zone Iron Formation, which portion has been poorly studied. This program is aimed at selecting a few samples from this iron formation, and analyze them for a local property scale metallurgical sampling study. Each sample was analyzed for its content in Iron by X-ray fluorescence spectrometry (XRF), but also by Iron Titration with Potassium Permanganate solution method to obtain the percentage of iron from calculating the mass. Also, the Davis Tube Magnetic Separation method will be used to grab all of the magnetite for an accurate percentage of it. Finally, it has been suggested to do the specific gravity (SG) with the package for future resources calculation. Activation Laboratory (Actlabs) of Thunder Bay, a recognized laboratory, is taking care of the samples.

Two sample locations, with each three samples rock sawed/channeled up, have been chosen at 1.1 kilometer spacing to keep a proper and comparative value in iron coming through these samples and that could be used in any future resources calculation (see Samples Location on Table 2, Figures 7, 8 and 9 below). Each channeled sample had a GPS shot waypoint and a sample number assigned to it, and the GPS (Garmin GPSMap 60Cx) having its tracking path opened for the course of the traverse (Appendix II List of Sample Location & Nature of Rock, Waypoints and Tracks sheets extracted and formatted out GPSMap 60Cx).

Sample ID	Easting	Northing	Elevation	Length	Nature of the Rock
356151	677036	5656909	381	381	BIF hard, aphanitic and black argilitic highly magnetic slightly folded
356152	677048	5656914	388	388	BIF hard, aphanitic and black argilitic highly magnetic slightly folded
356153	677088	5656922	384	384	BIF hard, aphanitic and black argilitic highly magnetic slightly folded
356154	678098	5657180	374	374	BIF hard, aphanitic and black argilitic highly magnetic strongly folded
356155	678097	5657177	373	373	BIF hard, aphanitic and black argilitic highly magnetic strongly folded
356156	678101	5657233	375	375	BIF hard, aphanitic and black argilitic highly magnetic strongly folded

**Table 2 East Soules Bay Samples Location & Nature of Rock (see in appendix II)**

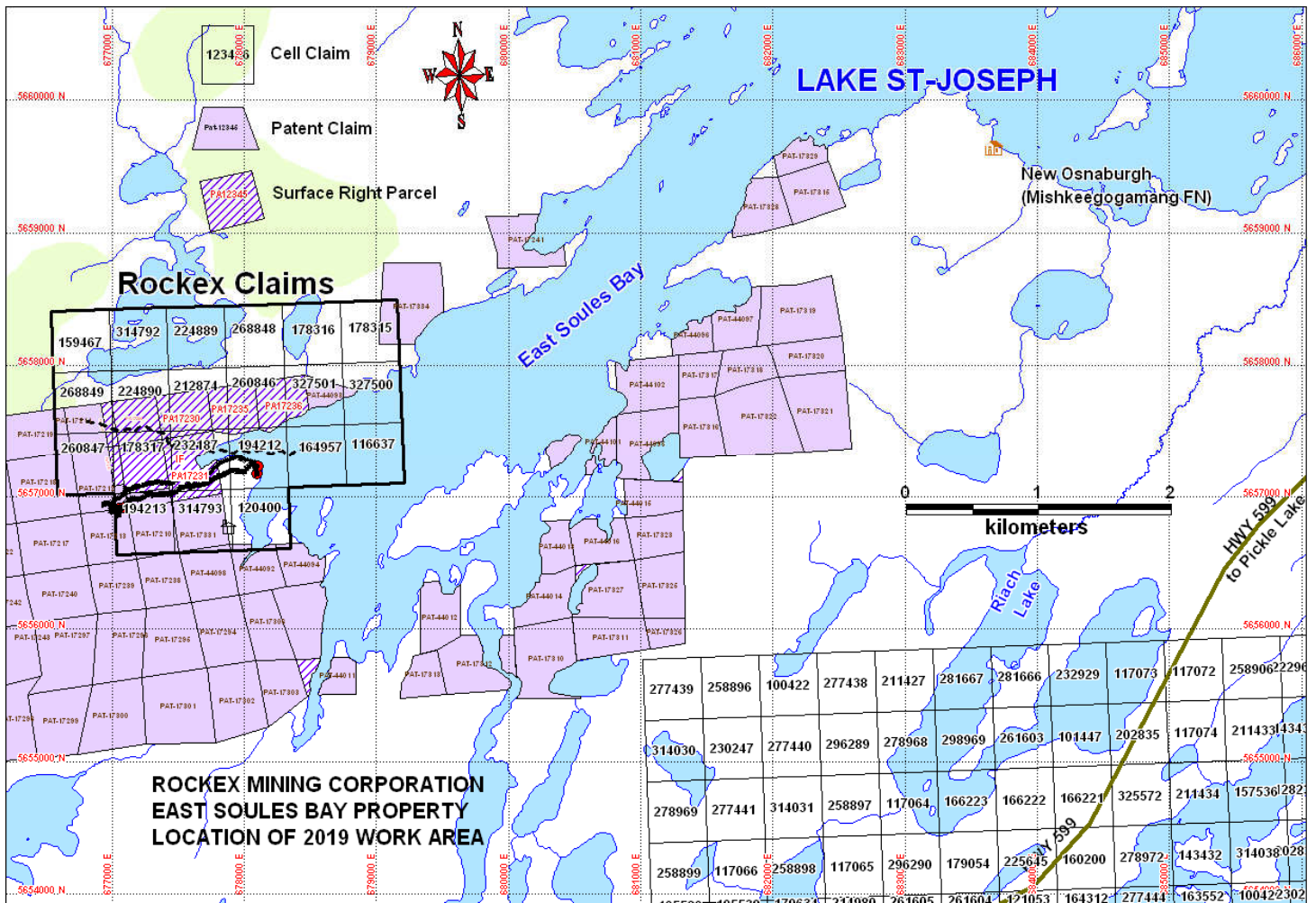
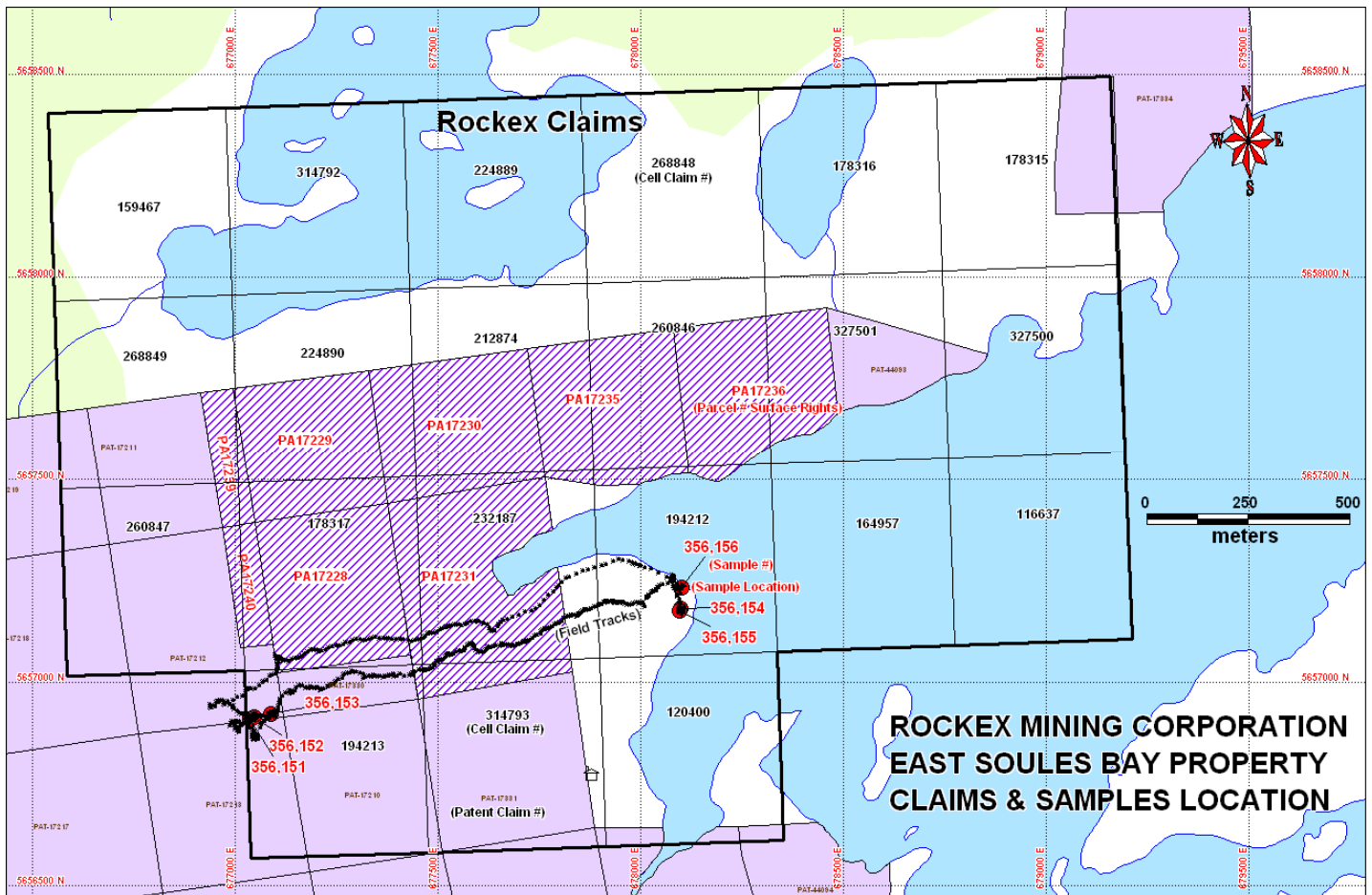


Figure 7: Property Location Map with 2019 Work Area (See 1\_25000 Map in Appendix II)



Figure 8: Samples collection with Rock Saw in the field and at 356151 and 356154 locations





**Figure 9: Property Cell Claims and Samples Location Map (See 1\_10000 Map in Appendix II)**

Series of pictures below (see figures 12 to 17) demonstrate the appearance of the localized outcrops found on the property doing the sampling. Field work started by a 1.1 kilometer walk aiming at an area corresponding to previously mapped outcrops in the past by the department of mines (see geology map south-west corner of the property on figure 4) where three iron formation outcrops have been uncovered to cut samples 356151, 356152 and 356153 (see figure 10). The rock consisted in black argillitic highly magnetic banded iron formation lightly undulating but mostly parallel banded. One or two channels were cut through the best sections of these iron formation, each of them found under the vegetation and to obtain a respectable weight for analysis.

The same for the next 3 samples, 356154, 356155 and 356156 (see figure 11) , we walked back to the bay where the Air Boat was parked near the shoreline, and where fortunately for us the water level of the lake was very low discovering 2 separate iron formations with dry conditions and ideal for taking the desired samples. One sample was taken on the small outcrop (356156) and two on the large one (356154 and 356155). This iron formation is very black argillitic and highly magnetic. It also features numerous strongly folded sections, folds and parasitic folds as seen on the photos below (see figures 18 and 19). Finally, all those rocks are heavy due to their content of iron and this content and percentages are described in the tables below in next section of the report.

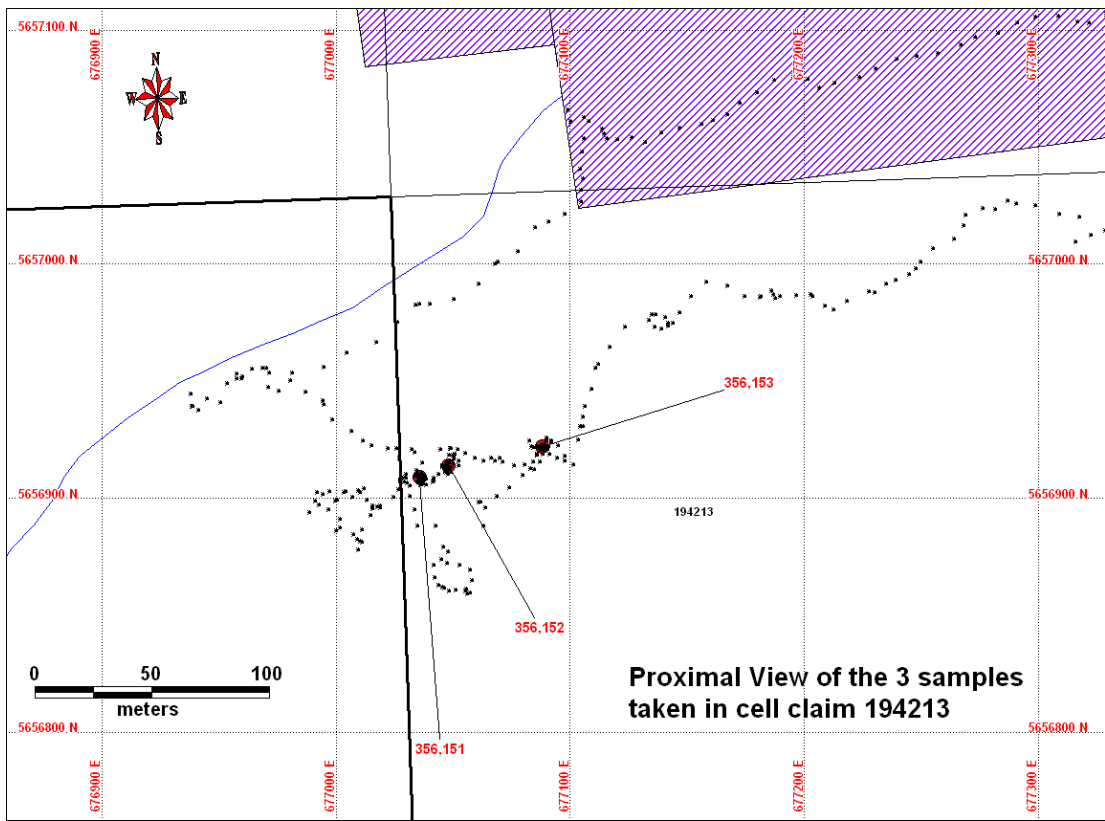


Figure 10: Location of the 3 samples taken 1.1 km west of the shore of Soules Bay

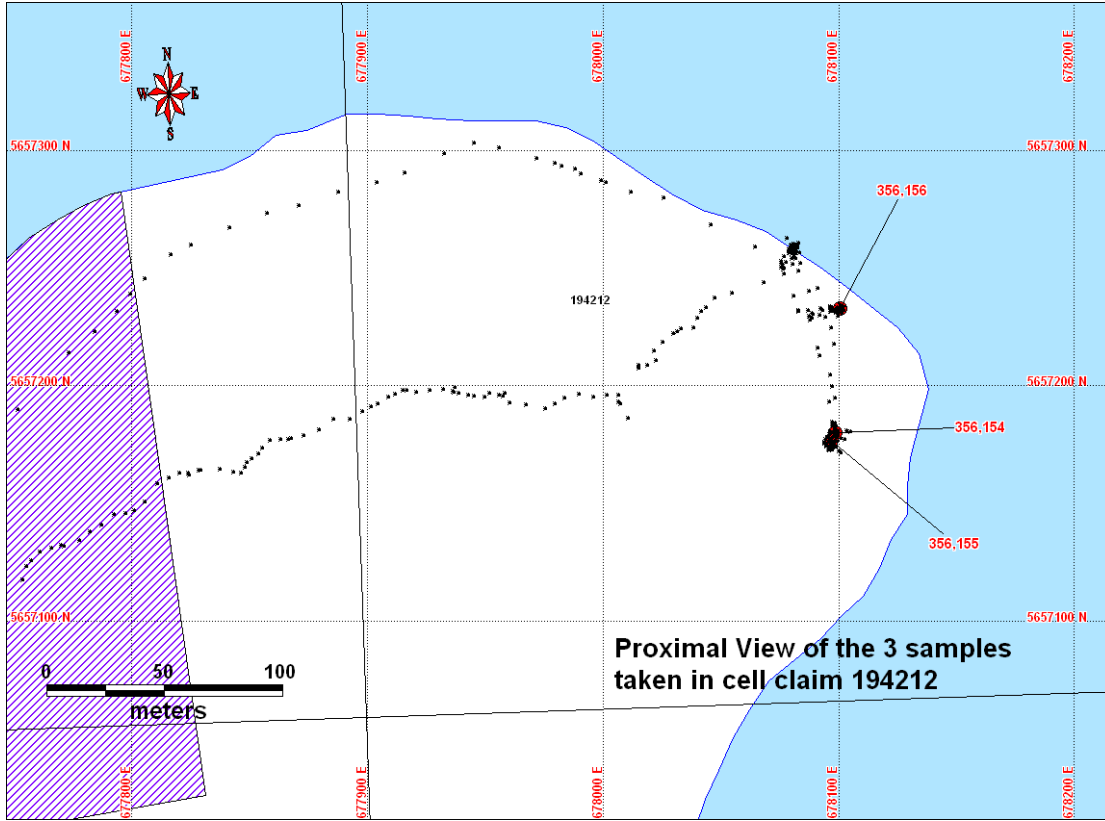


Figure 11: Location of the 3 samples taken at the shoreline of Soules Bay



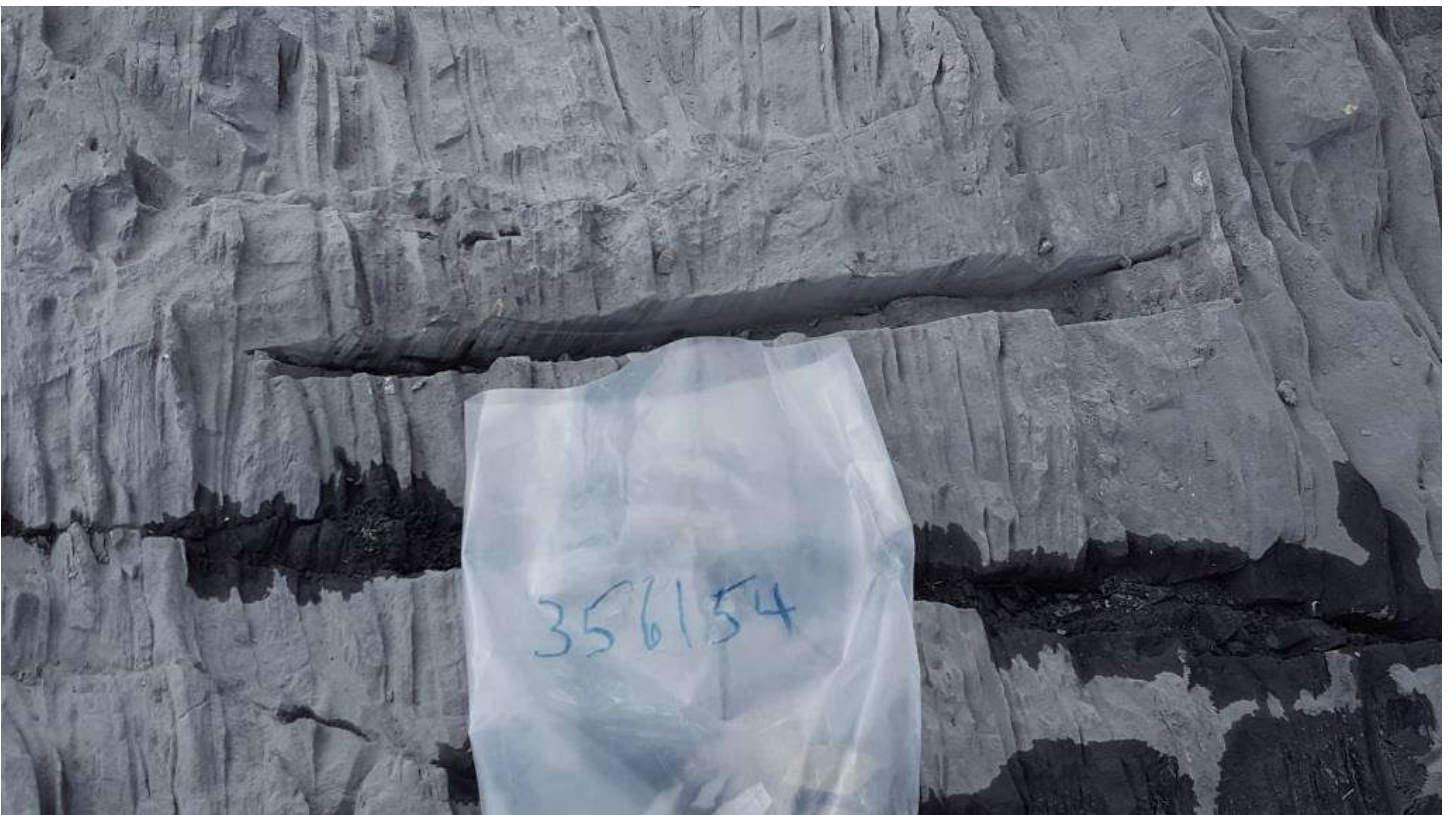
**Figure 12: Sample 356151**



**Figure 13: Sample 356152**



**Figure 14: Sample 356153**



**Figure 15: Sample 356154**



**Figure 16: Sample 356155**



**Figure 17: Sample 356156**



**Figure 18: Fold Nose in Iron Formation (356154-356155)**



**Figure 19: Parasitic Folds in Iron Formation (356154-356155)**

## **8. Results of Metallurgical Sampling and Comments**

The results are indicated in Table 3 below. As said in the chapters above, the results represent 2 areas separated by 1.1 kilometer stretch with each 3 close sampling locations. It is aimed at giving a preliminary estimation of the value in iron laying on Rockex property, but also as a portion of North Zone of the Steep Rock iron formation estimated by Goodwin (1965) in Lake St. Joseph region.

The samples have been analyzed for iron by 3 methods; the main one that is by RXF or X-Ray Fluorescence that takes 100 micrometers of the sample material and dope it in a lithium metaborate and tetraborate flux mixture for fusion on a glass bead machine, resulting with the percentage of iron for total  $\text{Fe}_2\text{O}_3$ . The second method is to obtain the percentage of iron or  $\text{FeO}$  by Titration, which process is by cold acid digestion and titration with potassium dichromate. The third method is by Davis Tube Magnetic Separation that consists in creating a magnetic field that can extract magnetic particles from the pulverized ore resulting in the percentage of iron, but from the magnetic ore only. Finally, the specific gravity was calculated for each of the samples to help estimating the volume, mass and tonnage of the iron resources in the future.

- 1- The analysis by XRF is showing a strong and continuous content in iron throughout the 1.1 kilometer stretch of sampling. Only sample 356152 shows a weakness in iron although fairly magnetic. It may be due to the orientation of the cutting but that outcrop is still occurring between two values over 30% iron. Sample 356156 is from a small black outcrop on the shoreline which shoreline is normally submerged by water. It nevertheless shows a high value of 50.74 % iron in the rock which is fairly high in this area.

- 2- The calculation of iron by titration geochemistry is principally to analyze the nature and the ratio of FeO versus Fe<sub>2</sub>O<sub>3</sub> in the rock, and classify which rock may contain the iron in different diagrams such as a Jensen plot. For instance, it could determine if we are in volcanic or sedimentary environment. In this sampling program, it also helps to correlate the content of iron with the other methods. For instance, the values in samples 356152 and 356156 are consistent with the lowest and highest contents in iron, and this consistency is reflected throughout the spectrum of the sampling program.
- 3- A factor that is important for Rockex and detailed in another study from a major Iron Ore Deposit owned by the company, is the percentage of magnetite contained in the iron ore. Magnetite is the primary element or metal looked at for eventual mineral processing. The same as FeO Titration, the results are fairly consistent with the total iron content. Again, the lowest and highest values are reflected in samples 356152 and 356156, the first one quite disappointing with only 2% magnetite although the outcrop was quite magnetic out in the field.

In summary for the results, this portion of iron formation along the stretch sampled on April 27<sup>th</sup> of 2019 on Rockex property, is averaging 35.25% of total iron Fe<sub>2</sub>O<sub>3</sub> with all respect of the 6 samples in a fair understanding. Considering that the whole mass of the North Zone iron formation estimated by Goodwin was reflecting an average around 23-24% of total iron, the results of the Rockex portion at 35.25% total iron is somewhat encouraging to hold on the claims and keep them in good standing for any projects occurring in the future. Also, a percentage of magnetite at 29.1% indicates the quality of iron ore in the rock that justify this metallurgical study and more feasible studies in the future. A specific gravity at 3.36 is all normal for these types of iron deposit. Activation Laboratories (Actlabs) of Thunder Bay, a certified laboratory, was responsible for the analysis of the samples.

<b>Sample ID</b>	<b>% Fe by XRF (Total Fe<sub>2</sub>O<sub>3</sub>)</b>	<b>% Fe by Titration (Total FeO)</b>	<b>% Fe by Davis Tube (Magnetic Separation)</b>	<b>SG (Specific Gravity)</b>
356151	31.66	11.1	27.0	2.77
356152	14.40	8.6	2.0	2.99
356153	31.83	11.4	26.1	3.49
356154	39.91	12.7	35.3	3.43
356155	42.96	14.0	40.1	3.53
356156	50.74	16.2	44.3	3.93
<b>Average</b>	<b>35.25</b>	<b>12.3</b>	<b>29.1</b>	<b>3.36</b>

**Table 3: Metallurgical Results for Iron Content in East Soules Bay Iron Formation (See in Appendix III)**

The results shown above in Table 3 come from the flow sheets returned by Actlabs to Rockex, and can be consulted in Appendix III at the end of this report. Appendix III also contains the Certificates of Analysis, invoices and receipt.



## 9. Conclusion and Recommendation

Rockex Mining Corporation and its East Soules Bay Property contains a portion of the Steep Rock North Zone Iron Formation Deposit described by Goodwin (1965), which deposit contains in itself more than 348,000,000 tons of ore, at a grade of 23.78% Fe, over a length of 3.2km and more than 150m deep. The property is only 12km west of Highway 599 to Pickle Lake, and is relatively easy to access with the power line nearby along highway 599. It contains a significant portion of the North Zone that deserves a more profound study of its potential in Iron with hopes that the economics for that metal become positive some day to grant further works. This is all supported by the fact that the infrastructures such as the Hydro line and the proximity of nearby populations warrant a possible development of these resources in iron.

With values at 35.25% total iron Fe<sub>2</sub>O<sub>3</sub> and 29.1% of magnetite content of the iron ore, it warrants more work and studies in the future if it ever becomes economically viable. Such work as mechanical trenching would be a good start along the structure of the iron formation as it seems to be very continuous, and do a methodical sampling throughout. Minor to major diamond drilling programs could follow and delineate the envelope of the iron formation contained on the property and then, promote calculations of the volume and tonnage of this envelope in an eventual feasibility study.

For the time being, the costs detailed in the next paragraph below are going to be equally distributed in the 2 cell claims of which field work has been performed (194212 and 194213). The main purpose of this report is to warrant the continuity and good standing of 11 cell claims that are in the process of being leased in the current year or sometimes next year, and also for the 10 other cell claims.

## 10. Costs of Prepping, Travelling, Field Work and Report Redaction from April 17<sup>th</sup> to May 26<sup>th</sup>, 2019 between Thunder Bay and Pickle Lake to perform the Metallurgical Sampling Work Program at East Soules Bay Property

The Pickle Lake town is 8-9 hours drive, in part because of the load in this case the Air Boat that we had to pull from Thunder Bay by Highway 17 (Trans-Canada) and up to the 599 Highway to the north from Ignace to Pickle Lake. The departure was on April 26<sup>th</sup> and return 2 days later in Thunder Bay on April 28<sup>th</sup>. Before that, we had to prepare the Air Boat and fuel it starting on April 17<sup>th</sup>. April 27<sup>th</sup> was the day to perform the metallurgical sampling survey in the field. It took us 11.5 hours from the time we put the Air Boat on the yet frozen waters of Lake St. Joseph, get to the property to perform work and finally come back to the starting point. Between the 2 rough rides on the lake, 5 outcrops have been spotted for the sampling job with the rock saw, including a back and forth walk in difficult bush of about 1.1 kilometers. The lake is at low level this year so that was easy to spot the 2 iron formation outcrops on the shore. However, the 3 outcrops spotted at the west end of the property had to be uncovered and cleaned off the vegetation on top of them.

Other than the time to perform the job, all equipment such as the pick-up truck & trailer, the Air Boat and the rock saw took their share of gasoline to be operational. All tools including the rock saw had to be physically carried by us through the bush. An electric Plugger Drill was also available but due to time constraint, we just used the rock saw. That work necessitated 2 nights sleeping at the Pickle Lake Hotel and this including the meals. All charges such as salaries and rentals have been charged by Pierre Gagné Contracting Limited to Rockex Mining Corporation, and are reflected as such in the description of the costs and table 4 below (see all receipts and time cards in appendix IV).

**Details of Expenditures explained below and summarized in following table 4;**

Geologist; Apr 26-9.5H, Apr 27-11.5H, Apr 28-9H, Apr 29-6H, May 01-2H,.....	\$4,875
May 02-5H, May 06-6H, May 08-5H, May 10-7H, May 14-4H	
Assistant Geo; Apr 25-9H, Apr 26-9.5H, Apr 27-11.5H, Apr 28-9H, Apr29-56H.....	\$2,640
(Geologist: \$75/hour, Assistant Geologist: \$60/hour-see time cards in appdix IV)	
Meals for 2 persons on the 2 days trip to Pickle Lake (see receipts in appdix IV).....	\$223
Night stay for 2 people x 2 days in Pickle Lake Hotel (see receipts in appdix IV) .....	\$583
Total Gas needed to travel to site and back to base in Thunder Bay, including gas for the Air-Boat to reach the property travelling on ice (see receipts in appdix IV)....	\$587
Costs of Renting Truck, Trailer and Rock Tools (see Inv. #2427 in appdix IV).....	\$1,257
Cost of Renting for the Air Boat (see Inv. #2427 in appdix IV).....	\$3,000
Invoice from Actlabs for Analysis of the Metallurgical Samples (in Appdix III).....	\$1,258
<b>Total for Metallurgical Sampling Program.....</b>	<b>\$14,423</b>

<u>Service Rentals</u>	<u>Date</u>	<u>Quantity</u>	<u>Rate per Day</u>	<u>Amount (\$)</u>
2008 F250 4X4 Truck	April 26th To April 28th	3	\$175.00	\$525.00
Two axle trailer	April 26th To April 28th	3	\$125.00	\$375.00
Plugger	April 26th To April 28th	3	\$54.00	\$162.00
Cutting Saw	April 26th To April 28th	3	\$65.00	\$195.00
Air Boat Ice/Water	April 26th To April 28th	3	\$1,000.00	\$3,000.00

		<u>Time (Hours)</u>	<u>Rate per Hour</u>	<u>Amount (\$)</u>
Mitch Dumoulin	April 26th	9.5	\$75.00	\$712.50
<u>Geologist</u>	April 27th	11.5	\$75.00	\$862.50
	April 28th	9	\$75.00	\$675.00
	April 29th	6	\$75.00	\$450.00
	May 1st	2	\$75.00	\$150.00
	May 2nd	5	\$75.00	\$375.00
	May 6th	6	\$75.00	\$450.00
	May 8th	5	\$75.00	\$375.00
	May 10th	7	\$75.00	\$525.00
	May 14th	4	\$75.00	\$300.00
Jerry Nichols	April 25th	9	\$60.00	\$540.00
<u>Trades Person</u>	April 26th	9.5	\$60.00	\$570.00
	April 27th	11.5	\$60.00	\$690.00
	April 28th	9	\$60.00	\$540.00
	April 29th	5	\$60.00	\$300.00

		<b>Meals</b>	<b>Gas</b>	<b>Total</b>
<b><u>Meals &amp; Gas</u></b>	<b>April 17th</b>		\$96.22	\$96.22
	<b>April 25th</b>		\$74.85	\$74.85
	<b>April 26th</b>	\$122.39	\$252.81	\$375.20
	<b>April 27th</b>	\$76.77	\$0	\$76.77
	<b>April 28th</b>	\$23.38	\$162.78	\$186.16
		<b>Fixed Rate</b>	<b>HST included</b>	
<b><u>Hotel</u></b>	<b>April 26th</b>	<b>2 persons</b>		291.54
	<b>April 27th</b>	<b>2 persons</b>		291.54
<b><u>Rock Analysis</u></b> <b><u>Actlabs Thunder Bay</u></b>	<b>May 07th</b>	<b>For Iron</b>	<b>All Methods</b>	1258.2
		Subtotal:		<b>\$14,422.48</b>
		HST 13%		<b>\$1,874.92</b>
		<b>Invoice Total</b>		<b>\$16,297.40</b>

**Table 4: East Soules Bay Costs of the Metallurgical Sampling Work Program  
(see Invoice #2427 in Appendix IV)**

## 11. References

*Dumoulin M., 2017. 2017 Assessment Report on the East Soules Bay Property, Riach Lake Area, Rockex Mining Corporation, 19 p.*

*Goodwin A. M., 1965. Geology of Pashkokogan Lake – Eastern Lake St. Joseph Area, Geological Report No. 42, Ontario Department of Mines, 75p.*

*MNDM, 2007 MDI electronic document, MDI52O01SW00003, Lake St. Joseph North Zone – 1985, Soules Bay – 1985.*

*Sage R. P. and Breaks F. W., OGS Report 207, Geology of the Cat Lake – Pickle Lake Area, District of Kenora and Thunder Bay, 1982, 261 p.*

## Certificate of Qualifications

I, **Mitch Dumoulin**, of 507 McMaster St., Thunder Bay, Ontario, do hereby certify that:

1. I hold a ***Bachelor of Science Degree in Geology (1981)*** from Université du Québec à Chicoutimi, Chicoutimi, Québec;
2. I am a member of the Association of Professional Geoscientists of Ontario (P.GeO Registration #0304);
3. I have practiced my profession in Ontario and Quebec since 1981 and have been employed directly by several large mining and exploration companies and also several junior mining companies;
4. I am presently an employee of Pierre Gagné Contracting Limited based in Thunder Bay, Ontario but also indirectly employed to Rockex Mining Corporation as Principal Geologist for the company;
5. I have supervised numerous projects similar to that represented by the East Soules Bay Project, also a 'Qualified Person' in the context of National Instrument 43-101, and have been employed as such by Rockex Mining Corporation. I consider this report to be accurate in all respects;
6. Permission is granted to Rockex Mining Corporation to use this report in a prospectus or other financial offering.

**Dated May 14, 2019 in Thunder Bay,  
Ontario.**



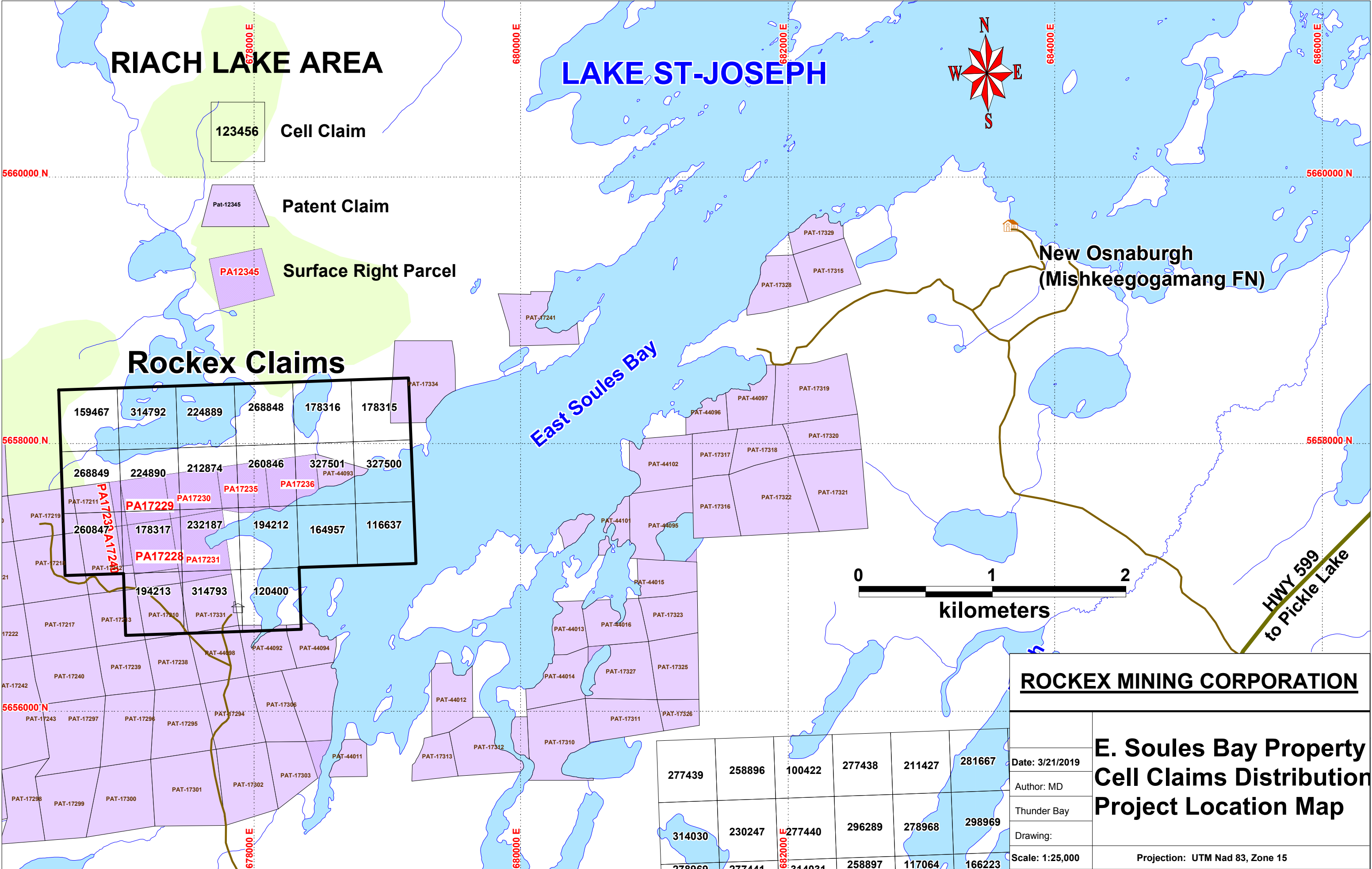
Mitch Dumoulin., P.GeO

Principal Geologist

Rockex Mining Corporation

**Appendix I**  
**Rockex Mining Corporation**  
**2019 East Soules Bay**  
**Claims Location Map & List of Claims**

- Map at 1:25,000 on 11" x 17" paper**
- List of the claims**



159467	314792	224889	268848	178316	178315
268849	224890	212874	260846	327501	327500
260847	178317	232187	194212	164957	116637
194213	314793	120400			

**ROCKEX MINING CORPORATION**

Date: 3/21/2019	<b>E. Soules Bay Property Cell Claims Distribution Project Location Map</b>
Author: MD	
Thunder Bay	
Drawing:	
Scale: 1:25,000	Projection: UTM Nad 83, Zone 15

277439	258896	100422	277438	211427	281667
314030	230247	277440	296289	278968	298969
278969	277441	277440	258897	117064	166223



**East Soules Bay - Patricia Mining Division  
Rockex Mining Corporation - 410638**

LEGACY CLAIM	CLAIM HOLDER	%	CLIENT #	TOWNSHIP_NAME	CELL CLAIM	CELL_KEY_ID	CELL_TYPE	Due Date	Work Due	Reserve \$
4244438 4267101	RXM	100	410638	RIACH LAKE AREA	<b>327501</b>	52001D188	Encumbered	25-May-19	<b>\$200</b>	
4244438 4267101 4286145	RXM	100	410638	RIACH LAKE AREA	<b>327500</b>	52001D189	Encumbered	25-May-19	<b>\$200</b>	
4244438 4267101 4286145	RXM	100	410638	RIACH LAKE AREA	<b>164957</b>	52001D208	Standard	25-May-19	\$400	
4244438 4286145	RXM	100	410638	RIACH LAKE AREA	<b>116637</b>	52001D209	Standard	25-May-19	\$400	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>159467</b>	52001D164	Standard	20-May-19	\$400	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>314792</b>	52001D165	Standard	20-May-19	\$400	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>224889</b>	52001D166	Standard	20-May-19	\$400	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>268848</b>	52001D167	Standard	20-May-19	\$400	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>178316</b>	52001D168	Standard	20-May-19	\$400	
4267101 4286145	RXM	100	410638	RIACH LAKE AREA	<b>178315</b>	52001D169	Encumbered	20-May-19	<b>\$200</b>	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>268849</b>	52001D184	Encumbered	20-May-19	<b>\$200</b>	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>224890</b>	52001D185	Standard	20-May-19	\$400	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>212874</b>	52001D186	Standard	20-May-19	\$400	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>260846</b>	52001D187	Standard	20-May-19	\$400	<b>\$183</b>
4267101	RXM	100	410638	RIACH LAKE AREA	<b>260847</b>	52001D204	Encumbered	20-May-19	<b>\$200</b>	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>178317</b>	52001D205	Encumbered	20-May-20	<b>\$200</b>	
4267101 4267102	RXM	100	410638	RIACH LAKE AREA	<b>232187</b>	52001D206	Standard	20-May-20	\$400	
4267101 4267102 4286145	RXM	100	410638	RIACH LAKE AREA	<b>194212</b>	52001D207	Standard	20-May-19	\$400	
4267101	RXM	100	410638	RIACH LAKE AREA	<b>194213</b>	52001D225	Encumbered	20-May-19	<b>\$200</b>	
4267101 4267102 4286145	RXM	100	410638	RIACH LAKE AREA	<b>314793</b>	52001D226	Encumbered	20-May-19	<b>\$200</b>	
4267102 4286145	RXM	100	410638	RIACH LAKE AREA	<b>120400</b>	52001D227	Encumbered	20-May-19	<b>\$200</b>	
				<b>Total</b>	<b>21</b>	<b>430 Ha</b>			<b>\$6,600</b>	<b>\$183</b>

**Appendix II**  
**Rockex Mining Corporation**  
**2019 East Soules Bay**  
**Samples Location**

- Tracks sheet**
- Waypoint sheet**
- Samples Location sheet**
- Property Location map, 1:25,000 on 11" x 17" paper**
- Cell Claims and Samples Location, 1:10,000 on 11" x 17" paper**

Name	Easting	Northing	Elevation	Month	Day	Year
1	678083	5657232	373	4	29	2019
2	678081	5657238	374	4	29	2019
3	678079	5657257	371	4	29	2019
4	678081	5657258	376	4	29	2019
5	678079	5657258	376	4	29	2019
6	678082	5657256	372	4	29	2019
7	678081	5657258	373	4	29	2019
8	678079	5657258	374	4	29	2019
9	678083	5657261	375	4	29	2019
10	678081	5657259	374	4	29	2019
11	678083	5657259	373	4	29	2019
12	678082	5657254	373	4	29	2019
13	678080	5657254	374	4	29	2019
14	678082	5657257	375	4	29	2019
15	678080	5657258	377	4	29	2019
16	678078	5657253	376	4	29	2019
17	678068	5657244	375	4	29	2019
18	678047	5657237	374	4	29	2019
19	678042	5657232	376	4	29	2019
20	678038	5657224	375	4	29	2019
21	678033	5657224	375	4	29	2019
22	678022	5657215	375	4	29	2019
23	678023	5657211	376	4	29	2019
24	678015	5657209	376	4	29	2019
25	678011	5657186	350	4	29	2019
26	678006	5657193	376	4	29	2019
27	678008	5657192	375	4	29	2019
28	678006	5657196	376	4	29	2019
29	677990	5657196	376	4	29	2019
30	677976	5657190	377	4	29	2019
31	677961	5657193	376	4	29	2019
32	677958	5657197	379	4	29	2019
33	677939	5657197	375	4	29	2019
34	677936	5657198	377	4	29	2019
35	677937	5657199	376	4	29	2019
36	677915	5657198	376	4	29	2019
37	677873	5657179	375	4	29	2019
38	677859	5657177	375	4	29	2019
39	677846	5657163	375	4	29	2019
40	677820	5657163	378	4	29	2019
41	677811	5657158	377	4	29	2019
42	677801	5657147	376	4	29	2019
43	677792	5657145	377	4	29	2019
44	677778	5657134	375	4	29	2019
45	677761	5657129	376	4	29	2019
46	677757	5657126	375	4	29	2019

47	677754	5657117	372	4	29	2019
48	677740	5657112	368	4	29	2019
49	677727	5657102	367	4	29	2019
50	677720	5657100	374	4	29	2019
51	677723	5657100	376	4	29	2019
52	677714	5657102	375	4	29	2019
53	677691	5657091	374	4	29	2019
54	677644	5657090	376	4	29	2019
55	677631	5657085	373	4	29	2019
56	677626	5657086	370	4	29	2019
57	677618	5657076	373	4	29	2019
58	677608	5657074	373	4	29	2019
59	677594	5657079	376	4	29	2019
60	677591	5657089	376	4	29	2019
61	677585	5657091	376	4	29	2019
62	677586	5657094	377	4	29	2019
63	677582	5657096	377	4	29	2019
64	677572	5657090	374	4	29	2019
65	677565	5657077	375	4	29	2019
66	677544	5657075	377	4	29	2019
67	677539	5657069	378	4	29	2019
68	677533	5657067	380	4	29	2019
69	677529	5657066	380	4	29	2019
70	677530	5657070	384	4	29	2019
71	677522	5657069	390	4	29	2019
72	677513	5657056	383	4	29	2019
73	677499	5657050	380	4	29	2019
74	677493	5657045	379	4	29	2019
75	677488	5657036	387	4	29	2019
76	677478	5657030	387	4	29	2019
77	677469	5657030	384	4	29	2019
78	677467	5657029	382	4	29	2019
79	677466	5657031	387	4	29	2019
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81	677444	5657025	379	4	29	2019
82	677436	5657019	382	4	29	2019
83	677439	5657019	382	4	29	2019
84	677440	5657022	386	4	29	2019
85	677442	5657020	386	4	29	2019
86	677441	5657022	390	4	29	2019
87	677443	5657025	393	4	29	2019
88	677418	5657016	381	4	29	2019
89	677408	5657019	377	4	29	2019
90	677391	5657014	377	4	29	2019
91	677381	5657013	377	4	29	2019
92	677377	5657015	380	4	29	2019
93	677378	5657017	385	4	29	2019

94	677361	5657013	380	4	29	2019
95	677287	5657027	381	4	29	2019
96	677282	5657023	383	4	29	2019
97	677269	5657021	379	4	29	2019
98	677268	5657017	379	4	29	2019
99	677264	5657011	377	4	29	2019
100	677255	5657007	376	4	29	2019
101	677245	5656996	384	4	29	2019
102	677213	5656980	378	4	29	2019
103	677195	5656989	379	4	29	2019
104	677175	5656986	376	4	29	2019
105	677159	5656992	378	4	29	2019
106	677142	5656973	381	4	29	2019
107	677139	5656973	383	4	29	2019
108	677142	5656975	379	4	29	2019
109	677141	5656977	381	4	29	2019
110	677136	5656973	390	4	29	2019
111	677135	5656978	386	4	29	2019
112	677137	5656978	380	4	29	2019
113	677124	5656973	378	4	29	2019
114	677111	5656956	377	4	29	2019
115	677104	5656925	383	4	29	2019
116	677095	5656923	392	4	29	2019
117	677091	5656922	389	4	29	2019
118	677090	5656925	382	4	29	2019
119	677080	5656910	379	4	29	2019
120	677069	5656901	378	4	29	2019
121	677062	5656899	381	4	29	2019
122	677063	5656888	373	4	29	2019
123	677064	5656896	381	4	29	2019
124	677061	5656898	386	4	29	2019
125	677058	5656895	384	4	29	2019
126	677055	5656888	387	4	29	2019
127	677046	5656884	382	4	29	2019
128	677048	5656883	384	4	29	2019
129	677048	5656877	382	4	29	2019
130	677042	5656871	382	4	29	2019
131	677042	5656866	382	4	29	2019
132	677046	5656862	382	4	29	2019
133	677056	5656859	378	4	29	2019
134	677058	5656865	382	4	29	2019
135	677057	5656869	380	4	29	2019
136	677048	5656872	382	4	29	2019
137	677046	5656879	381	4	29	2019
138	677049	5656883	380	4	29	2019
139	677043	5656888	379	4	29	2019
140	677035	5656888	380	4	29	2019

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142	677034	5656909	381	4	29	2019
143	677037	5656906	382	4	29	2019
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145	677038	5656909	386	4	29	2019
146	677036	5656906	385	4	29	2019
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155	677039	5656906	390	4	29	2019
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164	677021	5656903	378	4	29	2019
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166	677019	5656900	389	4	29	2019
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171	677000	5656886	386	4	29	2019
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175	677010	5656903	385	4	29	2019
176	677013	5656899	387	4	29	2019
177	677021	5656903	384	4	29	2019
178	677023	5656902	386	4	29	2019
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185	677016	5656904	376	4	29	2019
186	677021	5656903	382	4	29	2019
187	677020	5656902	387	4	29	2019

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189	677037	5656907	386	4	29	2019
190	677035	5656909	380	4	29	2019
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1063	678101	5657233	376	4	27	2019
1064	676988	5656899	379	4	27	2019
1065	676983	5656891	380	4	27	2019
1066	676985	5656891	383	4	27	2019
1067	676983	5656893	382	4	27	2019
1068	676985	5656900	378	4	27	2019
1069	676984	5656897	381	4	27	2019
1070	676983	5656894	383	4	27	2019
1071	676981	5656892	380	4	27	2019
1072	676985	5656890	378	4	27	2019
1073	676983	5656891	381	4	27	2019
1074	676984	5656889	380	4	27	2019
1075	676980	5656889	381	4	27	2019
1076	676986	5656897	389	4	27	2019
1077	676986	5656893	388	4	27	2019
1078	676989	5656894	397	4	27	2019
1079	676986	5656896	391	4	27	2019
1080	676981	5656893	382	4	27	2019

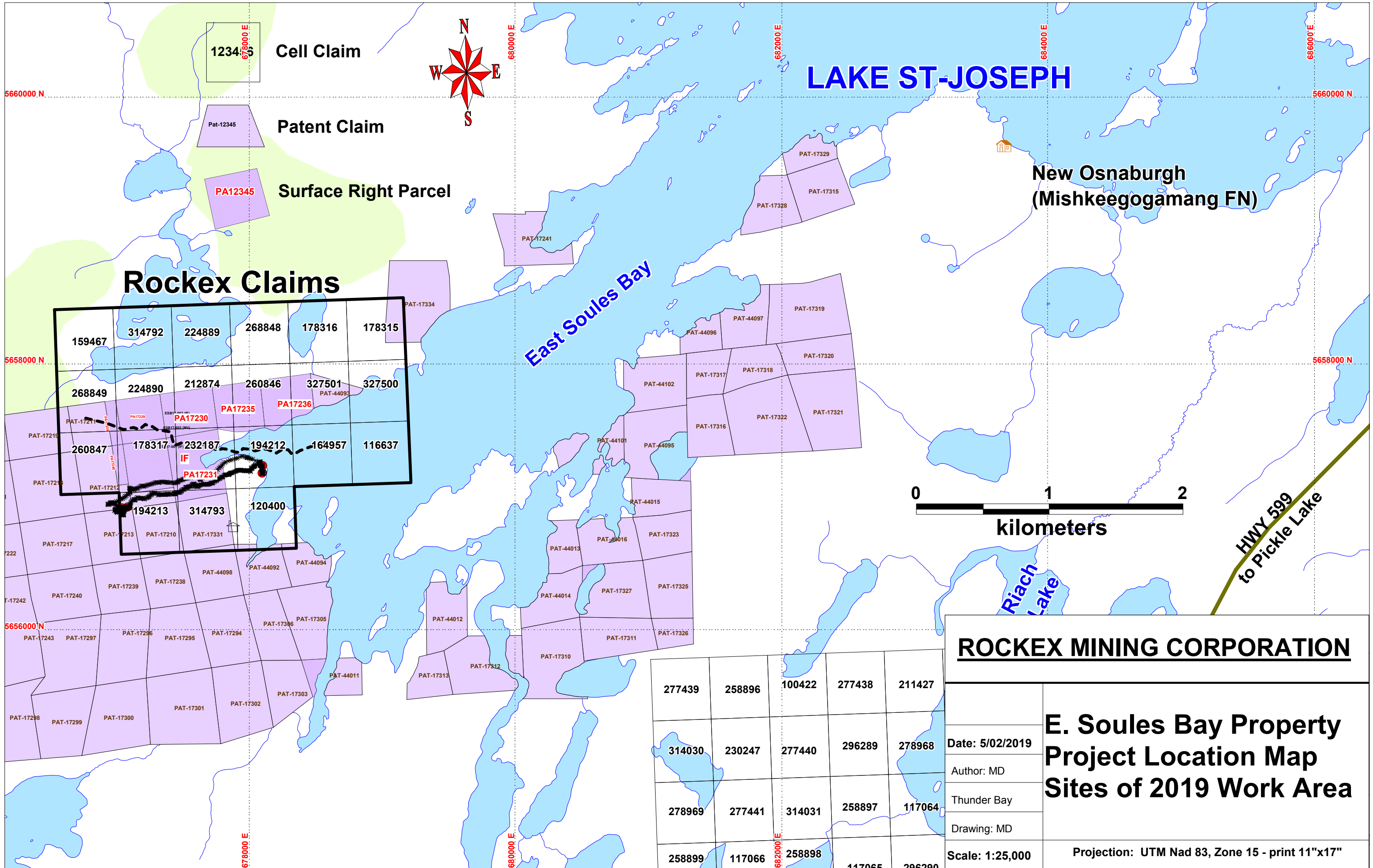
1081	676984	5656892	383	4	27	2019
1082	676984	5656900	381	4	27	2019
1083	676988	5656899	379	4	27	2019
1084	676985	5656894	378	4	27	2019
1085	676983	5656890	381	4	27	2019
1086	676983	5656891	380	4	27	2019
1087	676983	5656892	377	4	27	2019
1088	676984	5656891	379	4	27	2019
1089	676985	5656891	383	4	27	2019
1090	676983	5656893	382	4	27	2019
1091	676984	5656891	384	4	27	2019
1092	676985	5656900	378	4	27	2019
1093	676984	5656897	381	4	27	2019
1094	676983	5656894	383	4	27	2019
1095	676981	5656892	380	4	27	2019
1096	676982	5656890	380	4	27	2019
1097	676985	5656890	378	4	27	2019
1098	676983	5656889	383	4	27	2019
1099	676983	5656891	381	4	27	2019
1100	676984	5656889	380	4	27	2019
1101	676980	5656889	381	4	27	2019
1102	676983	5656893	385	4	27	2019
1103	676986	5656897	389	4	27	2019
1104	676986	5656893	388	4	27	2019
1105	676988	5656893	390	4	27	2019
1106	676989	5656894	397	4	27	2019
1107	676986	5656895	390	4	27	2019
1108	676988	5656894	387	4	27	2019
1109	676986	5656896	391	4	27	2019
1110	676985	5656894	382	4	27	2019
1111	676984	5656895	384	4	27	2019
1112	676981	5656893	382	4	27	2019
1113	676982	5656892	383	4	27	2019
1114	676984	5656892	383	4	27	2019
1115	676985	5656891	384	4	27	2019
1116	676984	5656894	383	4	27	2019
1117	676984	5656900	381	4	27	2019
	677213	5656980	378			
	677213	5656980	378			
	677209	5656982	376			
	677204	5656986	373			
	677691	5657091	374			
	677644	5657090	376			
	677631	5657085	373			
	677706	5657096	373			
	677701	5657094	375			
	677696	5657093	374			

677691	5657091	374
677687	5657091	375
677687	5657091	375
677685	5657090	375
677680	5657089	375
677674	5657091	374
677668	5657091	374
677661	5657090	373
677658	5657091	374
677657	5657093	377
677659	5657090	380
677652	5657090	378
677644	5657090	376
677638	5657088	375
677631	5657085	373
677674	5657091	374
677668	5657091	374
677661	5657090	373
677658	5657091	374
677657	5657093	377
677659	5657090	380
677652	5657090	378

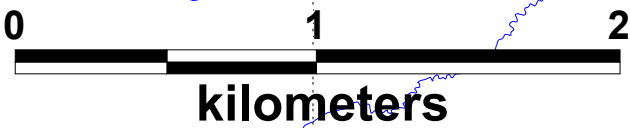
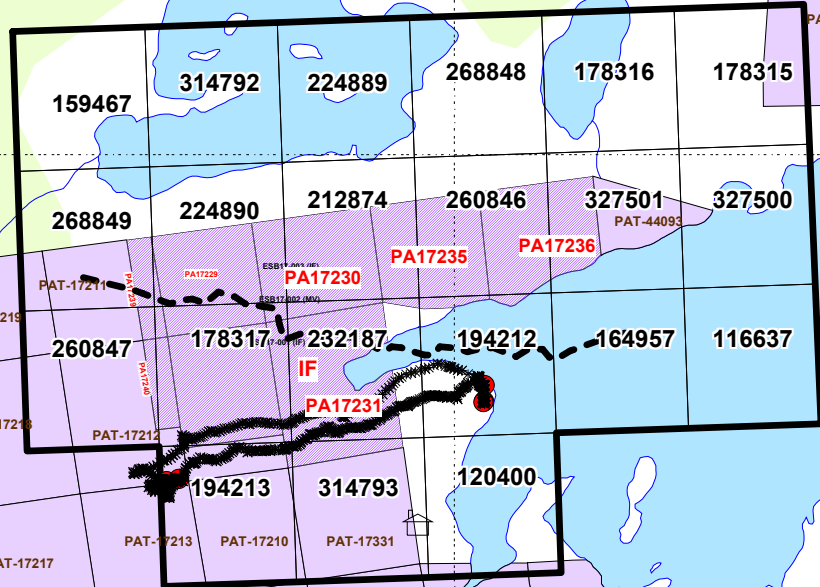
Name	Sample ID	Easting	Northing	Elevation	Date
IF 1	356151	677036	5656909	381	27-APR-19 2:38:20PM
IF 2	356152	677048	5656914	388	27-APR-19 2:11:37PM
IF 3	356153	677088	5656922	384	27-APR-19 2:07:52PM
IF 4	356154	678098	5657180	374	27-APR-19 4:18:28PM
IF 5	356155	678097	5657177	373	27-APR-19 4:16:29PM
IF 6	356156	678101	5657233	375	27-APR-19 4:42:12PM

**Rockex Mining Corporation  
East Soules Bay Project  
Channel Samples Location**

<b>Sample ID</b>	<b>Easting</b>	<b>Northing</b>	<b>Elevation</b>	<b>Length</b>	<b>Nature of the Rock</b>
356151	677036	5656909	381	381	BIF hard, aphanitic and black argilitic highly magnetic slightly folded
356152	677048	5656914	388	388	BIF hard, aphanitic and black argilitic highly magnetic slightly folded
356153	677088	5656922	384	384	BIF hard, aphanitic and black argilitic highly magnetic slightly folded
356154	678098	5657180	374	374	BIF hard, aphanitic and black argilitic highly magnetic strongly folded
356155	678097	5657177	373	373	BIF hard, aphanitic and black argilitic highly magnetic strongly folded
356156	678101	5657233	375	375	BIF hard, aphanitic and black argilitic highly magnetic strongly folded



**Rockex Claims**



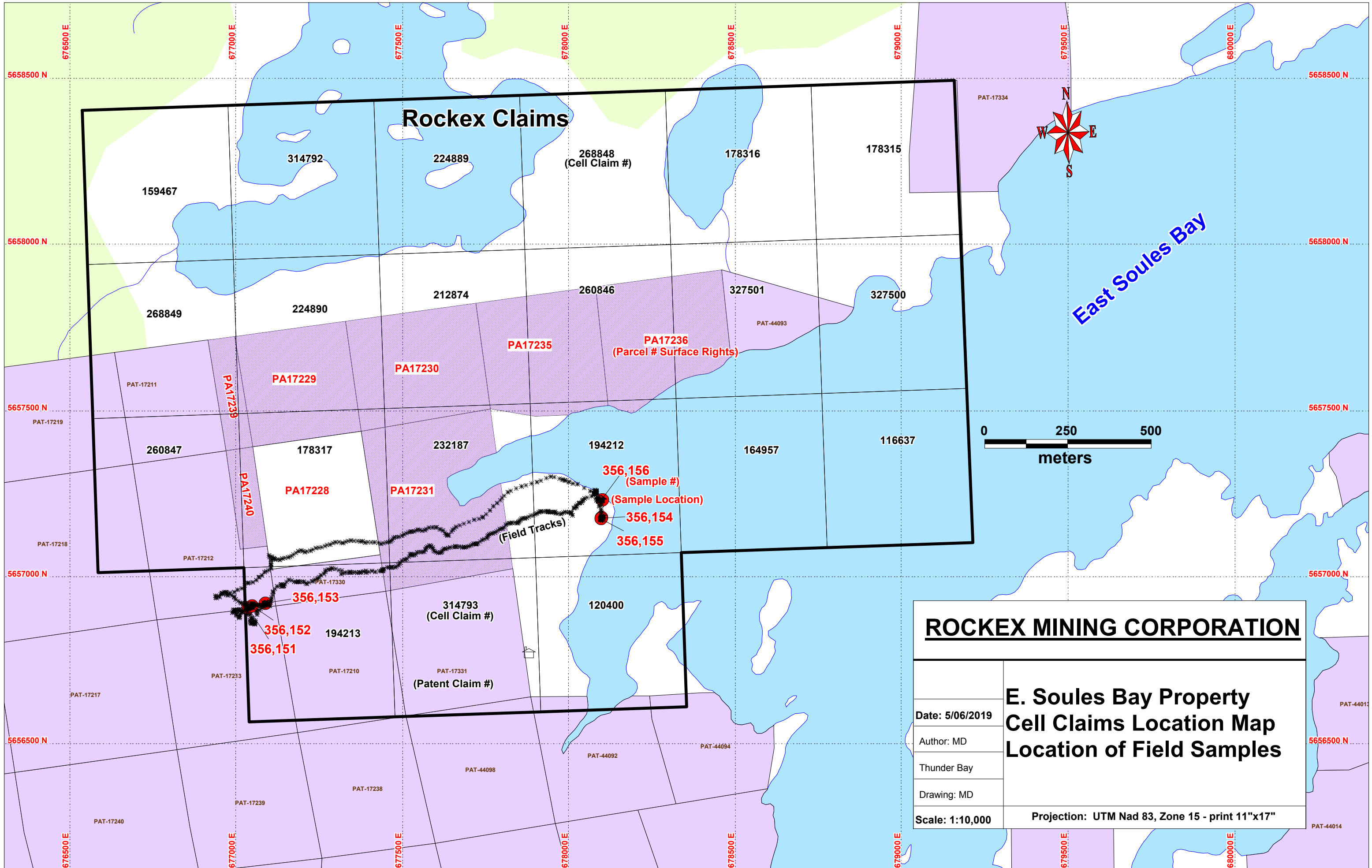
**ROCKEX MINING CORPORATION**

277439	258896	100422	277438	211427
314030	230247	277440	296289	278968
278969	277441	314031	258897	117064
258899	117066	258898	117065	296290

Date: 5/02/2019  
 Author: MD  
 Thunder Bay  
 Drawing: MD

**E. Soules Bay Property  
 Project Location Map  
 Sites of 2019 Work Area**

Scale: 1:25,000      Projection: UTM Nad 83, Zone 15 - print 11"x17"



**ROCKEX MINING CORPORATION**

<b>E. Soules Bay Property Cell Claims Location Map Location of Field Samples</b>	
Date: 5/06/2019	Thunder Bay
Author: MD	Drawing: MD
Scale: 1:10,000	Projection: UTM Nad 83, Zone 15 - print 11"x17"

## **Appendix III**

**Rockex Mining Corporation**

**2019 East Soules Bay**

### **Sample Results**

- Actlabs Certificates of Analysis, including results with all methods of analysis**
- Actlabs Final Report**
- Rockex Sample Results**
- Actlabs Invoice #A19-05991**
- Proof of payment by Pierre Gagné (credit card) for Rockex to Actlabs**





**Date Submitted:** 29-Apr-19  
**Invoice No.:** A19-05991  
**Invoice Date:** 09-May-19  
**Your Reference:** East Soules Bay

**Rockex Mining Corporation**  
**490 Maureen st**  
**Thunder Bay Ontario P7B 6T2**  
**Canada**

**ATTN: Mitch Dumoulin**

## CERTIFICATE OF ANALYSIS

18 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4F-FeO Titration  
Code 8-Iron Ore Analysis XRF Fusion-XRF  
Code Davis Tube Davis Tube Test  
Code Specific Gravity Core - Core

REPORT **A19-05991**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

The Fe<sub>2</sub>O<sub>3</sub> for the standards is Total Fe<sub>2</sub>O<sub>3</sub> and has not been adjusted for the FeO with the exception of SY-3, BIR-1 and GBW 07113. LOI<sub>2</sub> is the LOI adjusted for the difference in oxygen between FeO and Fe<sub>2</sub>O<sub>3</sub>. TOTAL<sub>2</sub> is the total including LOI<sub>2</sub>.

CERTIFIED BY:



---

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [Ancaster@actlabs.com](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)

## Results

## Activation Laboratories Ltd.

Report: A19-05991

Analyte Symbol	SiO2	TiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	P2O5	Cr2O3	LOI	V2O5	Total	Start Mass	Magnetic Fraction	Non-Mag Fraction	Weight % Magnetics	Calculated Start Mass	% Loss Mass	Spec Grav Core	FeO
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g	g	g	%	g	%	-	%
Lower Limit	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		0.003	0.01							0.01	0.1
Method Code	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	GRAV	FUS-XRF	FUS-XRF	DT	DT	DT	DT	DT	DT	GRAV	TITR
356151	51.37	0.33	9.06	31.66	0.06	2.14	1.62	1.83	1.87	0.18	0.01	0.02	0.012	100.2	30.0	8.108	21.625	27.0	29.733	0.93	2.77	11.1
356152	51.67	1.38	15.21	14.40	0.19	4.07	7.91	2.34	1.64	0.24	0.02	0.88	0.043	100.0	30.0	0.611	29.378	2.0	29.989	0.05	2.99	8.6
356153	49.61	0.37	9.62	31.83	0.08	2.30	1.62	1.65	2.22	0.19	0.01	0.30	0.013	99.82	30.0	7.842	22.107	26.1	29.949	0.21	3.49	11.4
356154	49.23	0.20	5.81	38.91	0.05	1.62	1.18	0.81	2.79	0.18	0.01	-0.09	0.004	100.7	30.0	10.593	19.338	35.3	29.931	0.24	3.43	12.7
356155	49.32	0.15	3.97	42.96	0.05	1.25	1.13	0.43	1.58	0.15	0.02	-0.36	0.003	100.6	30.0	12.038	17.880	40.1	29.918	0.26	3.53	14.0
356156	41.92	0.11	2.95	50.74	0.06	1.62	1.41	0.14	1.04	0.14	< 0.01	-0.19	0.004	99.96	30.0	13.297	16.670	44.3	29.968	0.21	3.93	16.2

Analyte Symbol	SiO2	TiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	P2O5	Cr2O3	LOI	V2O5	Total	Start Mass	Magnetic Fraction	Non-Mag Fraction	Weight % Magnetics	Calculated Start Mass	% Loss Mass	FeO
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g	g	g	%	g	%	%
Lower Limit	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		0.003	0.01							0.1
Method Code	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	GRAV	FUS-XRF	FUS-XRF	DT	DT	DT	DT	DT	DT	TITR
GBW 07113 Meas																					1.9
GBW 07113 Cert																					1.86
SY-4 Meas																					2.9
SY-4 Cert																					2.86
BIR-1a Meas	47.57	0.97	15.64	11.55	0.17	9.73	13.37	1.84	0.02	0.02											8.5
BIR-1a Cert	47.96	0.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.021											8.34
JGb-2 Meas																					5.3
JGb-2 Cert																					5.41
JGb-2 Meas																					5.2
JGb-2 Cert																					5.41
JGb-2 Meas																					5.3
JGb-2 Cert																					5.41
SCH-1 Meas	8.06	0.05	0.92	86.30	1.00	0.02		0.01	0.03	0.13											
SCH-1 Cert	8.09	0.052	0.962	86.84	1.003	0.033		0.026	0.031	0.124											
AMIS 0129 Meas	9.53	22.85	2.72	62.73	0.35	2.15	0.85						0.462								
AMIS 0129 Cert	9.57	22.94	2.75	62.31	0.36	2.07	0.80						0.48								
OREAS 182 (Fusion XRF) Meas	46.81	0.06	4.06	29.06	0.58	9.24	0.26	0.01		0.01	1.31										
OREAS 182 (Fusion XRF) Cert	46.77	0.053	4.07	29.40	0.580	9.16	0.251	0.019		0.010	1.290										
356156 Orig	41.84	0.11	2.97	50.64	0.06	1.62	1.41	0.14	1.04	0.14	< 0.01	-0.19	0.004	99.79	30.0	13.297	16.670	44.3	29.968	0.21	16.2
356156 Dup	42.01	0.11	2.94	50.84	0.06	1.62	1.41	0.14	1.04	0.14	0.01	-0.18	0.003	100.1							16.2
Method Blank	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.003								< 0.1
Method Blank																					< 0.1
Method Blank																					< 0.1
Method Blank																					< 0.1
Method Blank																					< 0.1

**Final Report**  
**Activation Laboratories**

Report Number: A19-05991

Report Date: 9/5/2019

Analyte Symbol	SiO2	TiO2	Al2O3	Fe2O3(T)	MnO
Unit Symbol	%	%	%	%	%
Detection Limit	0.01	0.01	0.01	0.01	0.01
Analysis Method	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF
356151	51.37	0.33	9.06	31.66	0.06
356152	51.67	1.38	15.21	14.4	0.19
356153	49.61	0.37	9.62	31.83	0.08
356154	49.23	0.2	5.81	38.91	0.05
356155	49.32	0.15	3.97	42.96	0.05
356156	41.92	0.11	2.95	50.74	0.06

**Final Report**  
**Activation Laboratories**

Report Number: A19-05991

Report Date: 9/5/2019

Analyte Symbol	MgO	CaO	Na2O	K2O	P2O5
Unit Symbol	%	%	%	%	%
Detection Limit	0.01	0.01	0.01	0.01	0.01
Analysis Method	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF
356151	2.14	1.62	1.83	1.87	0.18
356152	4.07	7.91	2.34	1.64	0.24
356153	2.3	1.62	1.65	2.22	0.19
356154	1.62	1.18	0.81	2.79	0.18
356155	1.25	1.13	0.43	1.58	0.15
356156	1.62	1.41	0.14	1.04	0.14

**Final Report**  
**Activation Laboratories**

Report Number: A19-05991

Report Date: 9/5/2019

Analyte Symbol	Cr2O3	LOI	V2O5	Total	Start Mass
Unit Symbol	%	%	%	%	g
Detection Limit	0.01		0.003	0.01	
Analysis Method	FUS-XRF	GRAV	FUS-XRF	FUS-XRF	DT
356151	0.01	0.02	0.012	100.2	30
356152	0.02	0.88	0.043	100	30
356153	0.01	0.3	0.013	99.82	30
356154	0.01	-0.09	0.004	100.7	30
356155	0.02	-0.36	0.003	100.6	30
356156	< 0.01	-0.19	0.004	99.96	30

**Final Report**  
**Activation Laboratories**

Report Number: A19-05991

Report Date: 9/5/2019

Analyte Symbol	Magnetic Fraction	Non-Mag Fraction	Weight % Magnetics	Calculated Start Mass	% Loss Mass
Unit Symbol	g	g	%	g	%
Detection Limit					
Analysis Method	DT	DT	DT	DT	DT
356151	8.108	21.625	27	29.733	0.93
356152	0.611	29.378	2	29.989	0.05
356153	7.842	22.107	26.1	29.949	0.21
356154	10.593	19.338	35.3	29.931	0.24
356155	12.038	17.88	40.1	29.918	0.26
356156	13.297	16.67	44.3	29.968	0.21



**Final Report**  
**Activation Laboratories**

Report Number: A19-05991

Report Date: 9/5/2019

Analyte Symbol	Spec Grav Core	FeO
Unit Symbol	-	%
Detection Limit	0.01	0.1
Analysis Method	GRAV	TITR
356151	2.77	11.1
356152	2.99	8.6
356153	3.49	11.4
356154	3.43	12.7
356155	3.53	14
356156	3.93	16.2

Rockex Mining Corporation  
East Soules Bay Project  
Table of Results

Sample ID	% Fe by XRF (Total Fe <sub>2</sub> O <sub>3</sub> )	% Fe by Titration (Total FeO)	% Fe by Davis Tube (Magnetic Separation)	SG (Specific Gravity)
356151	31.66	11.1	27.0	2.77
356152	14.40	8.6	2.0	2.99
356153	31.83	11.4	26.1	3.49
356154	39.91	12.7	35.3	3.43
356155	42.96	14.0	40.1	3.53
356156	50.74	16.2	44.3	3.93
<b>Average</b>	<b>35.25</b>	<b>12.3</b>	<b>29.1</b>	<b>3.36</b>

## **Appendix IV**

### **Rockex Mining Corporation**

#### **2019 East Soules Bay**

#### **Receipts, Invoices and Time Cards**

- Receipts for Gas (paid by Pierre Gagné charged to Rockex)**
- Receipts for Food (paid by Pierre Gagné charged to Rockex)**
- Receipts for Hotel (paid by Pierre Gagné charged to Rockex)**
- Mitch Dumoulin Time Card (Pierre Gagné's employee charged to Rockex)**
- Jerry Nichols Time Card (Pierre Gagné's employee charged to Rockex)**
- Spreadsheet showing Total Costs for East Soules Bay (all charges to Rockex)**

**\* Withheld for client confidentiality. \***

## **Appendix V**

**Rockex Mining Corporation**

**2019 East Soules Bay**

**Equipment used in the Field**

### **-1200cc Rock saw Specifications**

#### **TS 800 STIHL Cutquik®**

The TS 800 Cut-off Machine now featuring a magnesium guard and reduced weight.  
<https://www.stihlusa.com/products/cut-off-machines/professional-cut-off-machines/ts800/>

**Appendix VI**

**Rockex Mining Corporation**

**2019 East Soules Bay**

**Activation Laboratory Procedures and Prices**

- Iron by XRF analysis**
- Iron by FeO Titration**
- Iron by Davis Tube Separation**
- Pricing for Iron analysis**
- Specific Gravity (SG)**

**[www.actlabs.com](http://www.actlabs.com)**