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2022 Report of Work on Strom Property, NW Ontario.

for

Orebot Inc.

1100 Memorial Ave., PMB 363,

Thunder Bay ON P7B 4A3

NTS 52H/03 SE

Bounded by UTM coordinates (NAD 83 Zone 16U):

347493 & 347984 East; 5436035 & 5436956 North

By: Kevin R. Kivi, P.Geo.

25 September 2022

KIVI Geoscience Inc. 1100 Memorial Ave., PMB 363, Thunder Bay ON P7B 4A3 CANADA Mobile: (807) 624-6156 Email: <u>kivigeoscience@qmail.com</u>

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Introduction

Orebot Inc. holds 100% interest in the Strom Property, located in the Eaglehead Lake Area (G-714) of Thunder Bay Mining District, Ontario. The property consists of claim cells 613199 and 613200 recorded on September 26, 2020. The claims require \$800 of annual work to keep them in good standing.

The Strom property is located 75 kilometers north of Thunder Bay via Highway 527, then east on Dorion Cutoff Road, then north on Manchester Road, which deteriorates but was accessible using a 4x4 Toyota Tacoma. A UTV will be utilized for future missions to the property as the last 9 kilometers of the journey were rough.

Orebot Inc. worked on the property on October 4, 2020, collecting samples to saw and investigate possible uses. Orebot has a shop equipped with a diamond saw and other equipment.

The marble showing is part of the West block of the former Lunmac Marble Property. Orebot's claims cover a test quarry sampled by prior landholders.

This report summarizes work completed on the Strom Property by Orebot Inc.

Location and Access

The Strom Property occurs in the Eaglehead Lake Area of Thunder Bay Mining District, Ontario, some 75 km North of Thunder Bay, Ontario.

The Strom Property is accessible by road. Travel about 20 km east of Thunder Bay on Highway 11/17 to Highway 527, then north on Highway 527 for 49.2 km, then east on Dorion Cutoff Road for 10.3 km, then north on Manchester Road for 16.8 kilometers.

The road deteriorates here so this is a sensible place to park the truck and switch to ATV or UTV. Orebot's lifted 4x4 Toyota Tacoma continued north for another 9 kilometers then parked near the Lunmac rock quarry site, sampled by previous owners some 25 years earlier.



Figure 1. Location Map of Strom Property.

Property

The Strom Property consists of 2 (two) Single Cell Mining Claims with combined area of 42.2 hectares. The Strom Property requires \$800 of assessment work annually for mining claim cells to remain in good standing.

Table 1: Cell Mining Claims of Strom Property.

Tenure_ID	Tenure_type	Anniversary	Status	Work_due
613199	Single Cell Mining Claim	2022-09-26	Active	400
613200	Single Cell Mining Claim	2022-09-26	Active	400
	2 Cell Mining Claims		Total	800

Ontario I Ministry of Northern Development, Mines, Natural Resources and Forestry (NDMNRF) MLAS Map Viewer				ST	ROM CLAIM M	Notes: AP Claims 613	199 and 613200 of Orebot Inc.
52H03A06452H03A065	52H03A066	52H03A067	52HI)3A 068	52H03A069	52H03A070	Legend Provincial Grid Cell Available Pending Unavailable Mining Claim Boundary Claim
52H03A08452H03A085	52H03A 086	52H03A087 613200	5241	880 AEC	52H03A089	52H03A090	Alienation Withdrawal Wolce NDM Administrative Boundaries NDM Townships and Areas Geographic Lot Fabirc UTM Grid 1K UTM Grid 10K Mining Division Mining Division
52H03A EAGLEHI 52H03A10452H03A105	EAD LAKE AR 64 i c.e \$2H03A106	Northern Lak 52H03A107 613199	e 5 up 52H	erior R BA108	9 9 0 n - (30 52H03A109 - 40	52H03A110	A MIRFail Exploration and Development region CLUPA Protected Area – Far North Resident Geologist District Federal Land Other Native Reserves AMIS Features AMIS Features Drill Hole Minseral Occurrences MLAS Mining History
52H03A12452H03A125	52H03A126	52H03A127	5241)3A128	52H03A129	52H03A130	Withdrawal - History Notice - History Mining Claim - History Mining Land Tenure - History Legev Claim Provincial Grid 250K Provincial Grid 50K Provincial Grid Group Land Tenure
52H03A14452H03A145	52H03A146	52H03A147	5241	BA148	52H03A149	52H03A150	Surface Rights Mining Rights Mining and Surface Rights Order-in-Council
Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Northern Development and Mines (NDM) for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Northern Development and Mines (NDM) web site.			of the nown is the e not ffice, Image in the Natura lines Aéro-f © Que	0 ry Copyright Noti Il Resources and Photo (1961) Inc. en's Printer for C	Projection: Web Mercator ces: Ontario Ministry of Norther Forestry; NASA Landsat Progr DigitalGlobe Inc.; U.S. Geolog Intario, 2022	0.67 km	SR MB OC C

Figure 2: Strom Property (Cells 613199 & 613200). Claim 743461 is not held by Orebot Inc. Map from MLAS system, September 24, 2022.

The property has rugged topographic relief, and the historic quarry occurs on the talus slope of a north-facing 30-meter cliff that is capped by a thick diabase sill.

Drainage is north from the quarry, which is located on the side of a north-facing slope.

Vegetation is mature spruce, balsam, poplar, and jack pine. The historic quarry is over-grown with tag alders and small trees.

Wildlife includes moose, deer, bear, wolf, fox, lynx, pine marten, mink, beaver, rabbit and smaller mammals. Amphibians include frogs and toads. Reptiles include painted turtle and garter snake. Fish include pike, walleye, smallmouth bass, suckers, and minnows.

Regional and Local Geology

Regional geology is quoted from OFR6138, Page 6 (Hart, 2004).

"The Proterozoic Sibley Group sedimentary rocks unconformably overlie the Archean rocks of the Wabigoon and Quetico subprovinces, and have been subdivided into 3 relatively flat-lying formations: the lower Pass Lake, the middle Rossport, and the upper Kama Hill (e.g., Cheadle 1986). Currently, the most reliable isotopic age determination for the Sibley Group is a Rb/Sr age of $1339\square$ }33 Ma, which is based on analyses of a combination of Rossport and Kama Hill formation samples by Franklin (1978). The Pass Lake Formation is only observed in drill hole, and consists of conglomerates, quartz arenites and minor dolomites. The Rossport Formation consists of mudstone, dolomite, siltstones of the lower Channel Island Member, limestone and stromatolitic limestone of the Middlebrun Bay Member, and predominantly muddy, variably carbonatized siltstones and mudstones of the upper Fire Hill Member. Units of this formation are the most prominent sedimentary rocks in the central portion of the map area, and appear to form the few areas of Sibley Group exposed to the east of the Black Sturgeon River. The Kama Hill Formation is the uppermost formation of the Sibley Group exposed in the map area and consists of laminated mudstones and siltstones with sandstone prominent in the upper section. This formation is exposed at the higher elevation in the south and west portion of the map area.

Mafic to ultramafic intrusions occur in the Disraeli Lake and the Seagull.Leckie lakes areas (see Figure 2), and both are composed of a pyroxene peridotite core with an irregular olivine gabbro zone along the margin. Petrographic examination indicates that the rocks of Disraeli intrusion range in composition from olivine gabbro in the border zone to plagioclase-bearing olivine clinopyroxenite and wehrlite in the core. A study of the Seagull intrusion indicates that it consists of cumulate-textured dunites, Iherzolites and olivine websterite, with minor olivine-hornblende pyroxenite with an olivine gabbro border zone. Both intrusions have a monzogabbro phase occurring as irregular pods or bands distinguished from the olivine gabbro by the presence of amphibole and abundant pink feldspar. A diabase sill chilled against the olivine gabbro of the Seagull intrusion is exposed in a number of outcrops northeast of Seagull Lake and both intrusions are cut by diabase sills in drill core. A series of undulating, generally flat-lying to shallow-dipping Proterozoic diabase sills that commonly form topographic highs as they are more resistant to weathering, and intrude all other rock units in the map area. Davis and Sutcliffe (1985) obtained a U/Pb age of 1109+4/.2 Ma, based on zircon and baddeleyite, from 2 sills on Lake Nipigon. The diabase sills are commonly massive, medium- to coarse-grained feldspar and pyroxene with variable internal subdivisions not exposed in any one stratigraphic section. A generalized section of a sill would contain 1) chill, 2) finegrained variably amygdaloidal, 3) magnetite rich, 4) medium to coarse grained, 5) coarse to very coarse grained, 6) fine grained, variable amygdaloidal, and 7) chill.

The sills range in thickness from less than 5 m to greater than 180 m and there appears to be at least 2 major sills greater than 100 m in thickness. However, erosion and block faulting hinders the correlation of the sills and thus the determination of the original number of sills."



Figure 3: Regional Geology from Map M2235 showing diabase (orange) and sedimentary rocks (yellow), ATV trail indicated with orange dashed line, Property boundary is rectangle in west central part of image.

Local geology at the historic quarry, located along the north-side of a cliff includes dark-brown bedded sandstone overlain by stromatolitic marble beds, which is overlain by 5 m of mudstone beds, which is overlain by a 10-meter-thick diabase sill that forms a weathering cap on top of the vertical cliff face of sedimentary rocks.

Detailed property geology is available in Redden, 1980.

Sandstone and stromatolitic dolomite can be sampled from the cliff face, but this is risky. Abundant broken rocks, large talus blocks and previously mined blocks are placed along the access trail for easier and safer sampling.



Figure 4: Local Geology from Map M2235 showing diabase (orange) and sedimentary rocks (yellow), ATV trail and prospecting traverses indicated with orange GPS track, Claims of Strom property labelled. Gridlines are Datum UTM NAD83 Zone 16.

Previous Work

Marble was first discovered east of the Strom Property in 1972, and access to the area improved with pipeline construction in 1975 when W. McAteer and H. Lundmark discovered the marble occurrence now held by Orebot Inc.

Table 2 compiles work history from prior reports and other information downloaded from the MNDMF website.

1972	Discovery of marble east of Strom Property by W. McAteer.
1975-1979	W. McAteer and H. Lundmark discovered Lunmac marble occurrence and
	conducted dozer stripping, rock trenching, driving a short adit, manual
	stripping, physical testing, geological mapping, and geochemical sampling.
1986	Two unpatented claims were taken to lease.
1986-1989	Landowners made pen sets, clocks, paper weights, bookends and similar items
	from marble. W. McAteer highlighted his home with polished slabs of dolomite
	for demonstration purposes.
1994-1998	Preliminary estimate of 350,000 m3 (west block) and 300,000 m3 (east block)
	of attractive dolomite to be quarried to manufacture attractive polished tiles.
	Polished tiles were estimated to sell 2 to 4 times the cost of extraction.
2007	Lease expires.
2020 to	Property staked by Orebot Inc. Orebot conducted GIS compilation of historical
present	data, and conducted a site visit, brushing out trails, for initial sampling.
	Samples were sawed and photographed.

Table 2: Strom Property History.

Economic Geology

Preliminary estimates by consulting geologist Jim Redden, of Wabigoon, Ontario (1995) suggest that an open pit type operation would strip diabase and mudstone away, exposing dolomite, which would then be quarried in 1 m³ blocks. These blocks would be transported to Sudbury for sawing and polishing into 1 square foot tiles. Figures presented in the report suggested this exercise would be profitable based on cost estimates, price and demand at the time.



Figure 5: Four 40 cm (16") slabs of Stromatolitic Dolomite cut parallel to bedding being polished (Redden, 1995)

A \$60,000 budget (1995) was proposed to conduct stripping, drilling, test mining, sawing, polishing, and marketing studies.

A test quarry was excavated in 1997, and several blocks were cut and polished for display purposes at mining shows, and at a local polished stone business in Thunder Bay, Ontario.

The proposed Lunmac Marble Quarry was not commercially mined or quarried.

Current Work Program

Orebot conducted research on the Strom Property, and found that it was subject to mapping, stripping, and test quarrying by previous owners. Assessment reports in pdf format were downloaded from the MNRFM website. Maps were extracted from pdf documents and georeferenced to ensure the Lunmac Marble Quarry was acquired when it was staked.

To access the property, the showings old trails between exposures of dolomite were brushed out using hand tools so that the truck could be positioned close to the old quarry.

Prior trails lead to the stromatolite showing on the cliff face. Alongside trails were abundant loose boulders of all rock types from 1 to 6 tonnes in size, likely positioned by a dozer used by prior owners of the property.

Sampling was mostly conducted on boulders alongside existing trails, as cliff sampling was difficult and risky. A large sledge hammer was used to remove samples from select boulders and reduce their size so they could be carried by hand to the pickup truck. A total of 30 kg of sandstone and dolomite samples were collected.

Prospecting traverses are indicated by the orange dashed lines (collected by GPS) in Figure 6. Prospecting and sampling occurred on both claims 613200 and 613199.



Figure 6: GPS traverse lines indicated on satellite image in orange. Samples were collected along trail with most GPS tracks or from cliff face on claims 613200 and 613199. Gridlines Datum is UTM NAD83 Zone 16.



Figure 7: Stromatolite and sandstone samples from historical test quarry area.

Samples collected from the test quarry were transported to Thunder Bay for further work at Orebot's rock shop.

Even rough weathered dolomite samples are beautiful and have economic potential as ornamental stone.

Reddish brown sandstone is unique and may have potential as landscaping stone. Similar rock has been used in historical buildings of Thunder Bay.



Figure 8: Close-up of stromatolite and sandstone samples from test quarry area.

A QEP 10" wet diamond blade saw was used to cut samples into slabs for viewing and photography.



Figure 9: QEP Diamond saw and sample.



Samples were photographed to show stromatolite bedding visible in hand specimens.

Figure 10: Sawed Dolomite Samples (wet), grey saw marks can be polished away.

Work Schedule

Field work was completed by Kevin Kivi, P.Geo. (\$880/day) and Max Kivi (\$200/day) on October 4, 2020.

Equipment used during the work program includes a pick-up truck (\$0.58/km), a chain saw, hand tools (saw, axe, hammers, sledge, and chisels) and hand-held Garmin GPS.

Back in Thunder Bay, the author used a QEP 10" diamond blade saw to cut samples, and a Nikon D500 DSLR camera with macro lens and colour corrected lighting for photography. This work was conducted over 2 days.

Max Kivi selected weathered dolomite samples and built an aquascape wall in a freshwater tropical aquarium (Figure 11). This took 1 day.

The GIS work, maps and report took 2 days in total.

Table 3: Exploration Personnel

Worker	Field Days/Rock Work	Office Days/ Report
Kevin Kivi, P.Geo.	3	2
Thunder Bay ON		
Max Kivi,	2	
Thunder Bay ON		

Table 4: Cost Summary

Expense	Cost
Field work, Prospecting and sampling, Brush out trail,	\$ 1,080
Cutting Rock samples, Photography, Aquarium build.	\$ 1,960
Vehicle & Fuel (218 kilometers, round trip)	\$ 126
Report, GIS, and maps	\$ 1,760
TOTAL	\$ 4,926

Conclusions and Recommendations

Orebot staked, located, and sampled sandstone and stromatolitic dolomite from the Lunmac quarry, which was sporadically excavated by previous owners between 1975-1998.

Samples collected when sawed expose beautiful faces of delicate stromatolite beds, with a wide array of colours that range from beige to deep red and purple. Additional samples should be collected for cutting and polishing.

Weathered samples were used to create a spectacular dolomite wall in a tropical fish aquarium. Dolomite is safe for fish. Samples from the Lunmac quarry could also be marketed as aquascape rocks.



Figure 11: Weathered Dolomite in Freshwater Tropical Fish Aquarium.

Another visit is warranted to collect additional samples for sawing and polishing.

Additional prospecting is required to locate good samples of stromatolite and predazzite (brucite marble), which are described in historical reports (Redden, 1997). Sandstone may also be suitable for landscaping.

A small 4WD tractor with a bucket should be used for collecting large samples that are too heavy to lift. Mechanical work to excavate and collect larger samples may be required.

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Geology Ontario website: <u>https://www.geologyontario.mndm.gov.on.ca</u>

Ontario Mining Lands Website:<u>https://www.ontario.ca/page/mining-lands-administration-</u> system#section-1

MLAS: <u>https://www.mndm.gov.on.ca/en/mines-and-minerals/applications/mlas-map-viewer</u>

Certificate of Author

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I Kevin Robert Kivi, P.Geo., (P.Geol. in NWT) am a Professional Geoscientist, employed by KIVI Geoscience Inc., of Thunder Bay, Ontario.

I am:

- a practising member of the Association of Professional Geoscientists of Ontario (APGO), Registration 0326;
- a member of the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories (NAPEGG), Registration L821;
- A member of the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS), Registration #13687.

I graduated from Lakehead University, Thunder Bay with a Bachelor of Science Geology (4 year programme) in 1983, and I have practiced in my profession continuously since 1983. Since 1983 I have been involved in:

- gold exploration with Ovaltex Inc. along the Cadillac Break in Rouyn and Val D'Or, Quebec in winters of 1984, 1985 and 1986, and between 1986-1988 in NW Ontario.
- diamond exploration with BP Resources Inc Selco Division in Ontario, Quebec, Manitoba and NWT in summers of 1984, 1985 and 1988;
- gold and base metals exploration in NW Ontario with Rio Algom Exploration between 1988 and 1992.
- diamond exploration with Kennecott Canada Exploration between 1992-1994 at Lac De Gras, NWT, Diamond Laboratory Manager between 1995-2000 in Thunder Bay, Ontario, diamond exploration 2000-2004 in Wawa in Archean lamprophyric volcaniclastic rocks and Group 2 kimberlites, March-June 2004, Exploration Manager at Diavik Diamond Mines Ltd, Lac De Gras, NT.
- 2004 to present: Geological consultant specializing in diamond, gold and base metal exploration in Finland and Canada. Current clients include Aurion Resources Ltd., Sanatana Resources Inc, and Orebot Inc.

I continue to work as a geological consultant for Orebot Inc. in 2022.

Dated at Thunder Bay, ON, CANADA this 25th day of September 2022.

KIVI Geoscience Inc.

Per: "Kevin Kivi" (signed) Kevin R. Kivi, P.Geo., President 2022 Report of Work Strom Property NW Ontario

Amendment to report:

Rock Sampling

Orebot collected 14 samples from four areas. None of the samples were analysed since they are ornamental stone without geochemical significance.

Two samples displayed in Figure 10 of the report were collected at location Cliff Face Area. Cliff face area is the only bedrock outcrop sampled.

Six Samples displayed in Figure 11 of the report were from Boulder areas 1, 2, and 3. Two samples were collected at each site, and these samples were used in raw form in the aquarium display. Boulder Areas are locations where prior operators deposited previously quarried samples in boulder piles and clusters alongside the trail.

Orebot retains the 6 other hand specimens for sawing and polishing in future. These samples were collected at Boulder Area 3.

Sampling Sites	Claim Number	Easting_NAD83 zone 16	Northing_NAD83 zone 16
Cliff Face Area	613199	347885	5436484
Boulder Area 1	613200	347819	5436554
Boulder Area 2	613199	347939	5436472
Boulder Area 3	613199	347948	5436458

Sampling Sites

Per: OREBOT INC.

Kevin Kivi P. Geo.





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(NDM) web site.

	347,650	347,700	347,750	347,800	347,850	347,900	347,950
5,436,600							
5,436,550				BOULDER AR	EA 1	3200	
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					613	8199	
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5,436,350			0 m	neters	100		
	347,650	347,700	347,750	347,800	347,850	347,900	347,950

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8

LEGEND

GPS Tracks

	— - Line
Way	points Point
	M CELLS Region
(DREBOT INC
Date: 2023-02-02 Author: K. Kivi PGeo Scale: 1:1225.25	Strom Property Sample Locations
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-	

meters

49.01