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SKEAD HOLDINGS LTD.

Abstract

Canadian Exploration Services (CXS) was contracted to perform a magnetometer survey over a portion of the Gunterman Project. The crew accessed the site on the 10th of April, 2023.

A total length of 6.5 kilometres was covered with 528 magnetometer samples taken at a 12.5-meter interval. The magnetometer survey indicated little variation over the survey area. Some stronger magnetometer responses occur, which may represent areas of intrusion or mineralization which should be further investigated.

SKEAD HOLDINGS LTD.

Q3091 – Gunterman Project
Magnetometer Survey

C Jason Ploeger, P.Geo.
Kajal P. Makwana

April 13, 2023

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1. SURVEY DETAILS

1.1 PROJECT NAME

This project is known as the **Gunterman Project**.

1.2 CLIENT

Skead Holdings Ltd.

28 Ford St.
Sault Ste. Marie, Ontario
P6A 4N4

1.3 OVERVIEW

CXS was contracted to perform a magnetometer survey over a portion of the Gunterman Project. The crew accessed the site on April 10th, 2023.

A total length of 6.5 kilometres was covered with 528 magnetometer samples taken at a 12.5-meter interval. The magnetometer survey indicated little variation over the survey area. Some stronger magnetometer responses occur, which may represent areas of intrusion or mineralization which should be further investigated.

1.4 OBJECTIVE

The objective of the survey was to delinate the magnetic varition within the underlying geology. These variations may identify structure and alteration systems.

1.5 SURVEY & PHYSICAL ACTIVITIES UNDERTAKEN

Survey/Physical Activity	Dates	Total Days in Field	Total Line Kilometers
Magnetometer	April 10th to April 11th, 2023	2	6.5

Table 1: Survey and Physical Activity Details

1.6 SUMMARY OF RESULTS, CONCLUSIONS & RECOMMENDATIONS

CXS was contracted to perform a magnetometer survey over a portion of the Gunterman Project.

A total length of 6.5 kilometres was covered with 582 magnetometer samples taken at a 12.5-meter interval. The magnetometer survey indicated little variation over the

survey area. Some stronger magnetometer responses occur, which may represent areas of intrusion or mineralization which should be further investigated.

1.7 CO-ORDINATE SYSTEM

Projection: UTM zone 17N
Datum: NAD83
UTM Co-ordinates near the center of the grid: 373998 Easting and 5138859 Northing

2. SURVEY LOCATION DETAILS

2.1 LOCATION

The Gunterman Project is located about 0.5km north of Elliot Lake.

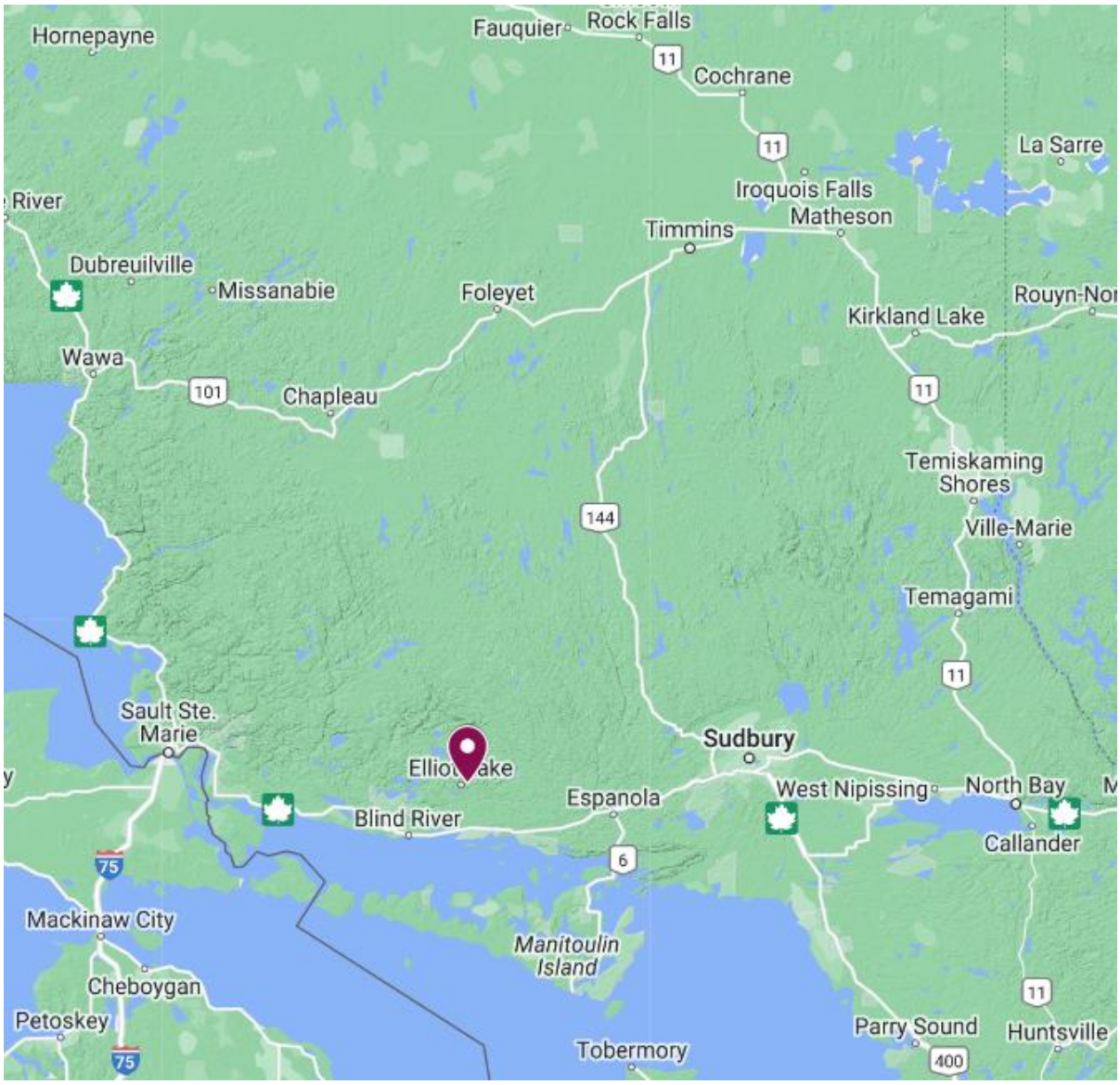


Figure 1: Location of the Gunterman Property (Map data ©2023 Google)

2.2 ACCESS

Access to the property was via snowmobiles. From Highway 108 in Elliot Lake, Oakland Blvd was travelled for about 170 m north, then Ski Hill Road was travelled for about 506 m north from the town of Elliot lake. Then an unnamed forestry road was taken via Snowmobiles to reach the survey area.

2.3 MINING CLAIMS

The survey area covers a portion of mining claims, 159965, 194060, 113527, 277648, 129119, 248672, 230394, 150425 and 253259 all located in Gunterman Township, within the Sault Ste. Marie Mining Division.

Cell Num-ber	Provincial Grid Cell ID	Ownership of Land	Township
159965	41J07G097	Skead Holdings Ltd	Gunterman
194060	41J07G098	Skead Holdings Ltd	Gunterman
113527	41J07G099	Skead Holdings Ltd	Gunterman
277648	41J07G117	Skead Holdings Ltd	Gunterman
129119	41J07G118	Skead Holdings Ltd	Gunterman
248672	41J07G119	Skead Holdings Ltd	Gunterman
230394	41J07G138	Skead Holdings Ltd	Gunterman
150425	41J07G139	Skead Holdings Ltd	Gunterman
253259	41J07G158	Skead Holdings Ltd	Gunterman

Table 2: Mining Lands and Cells Information

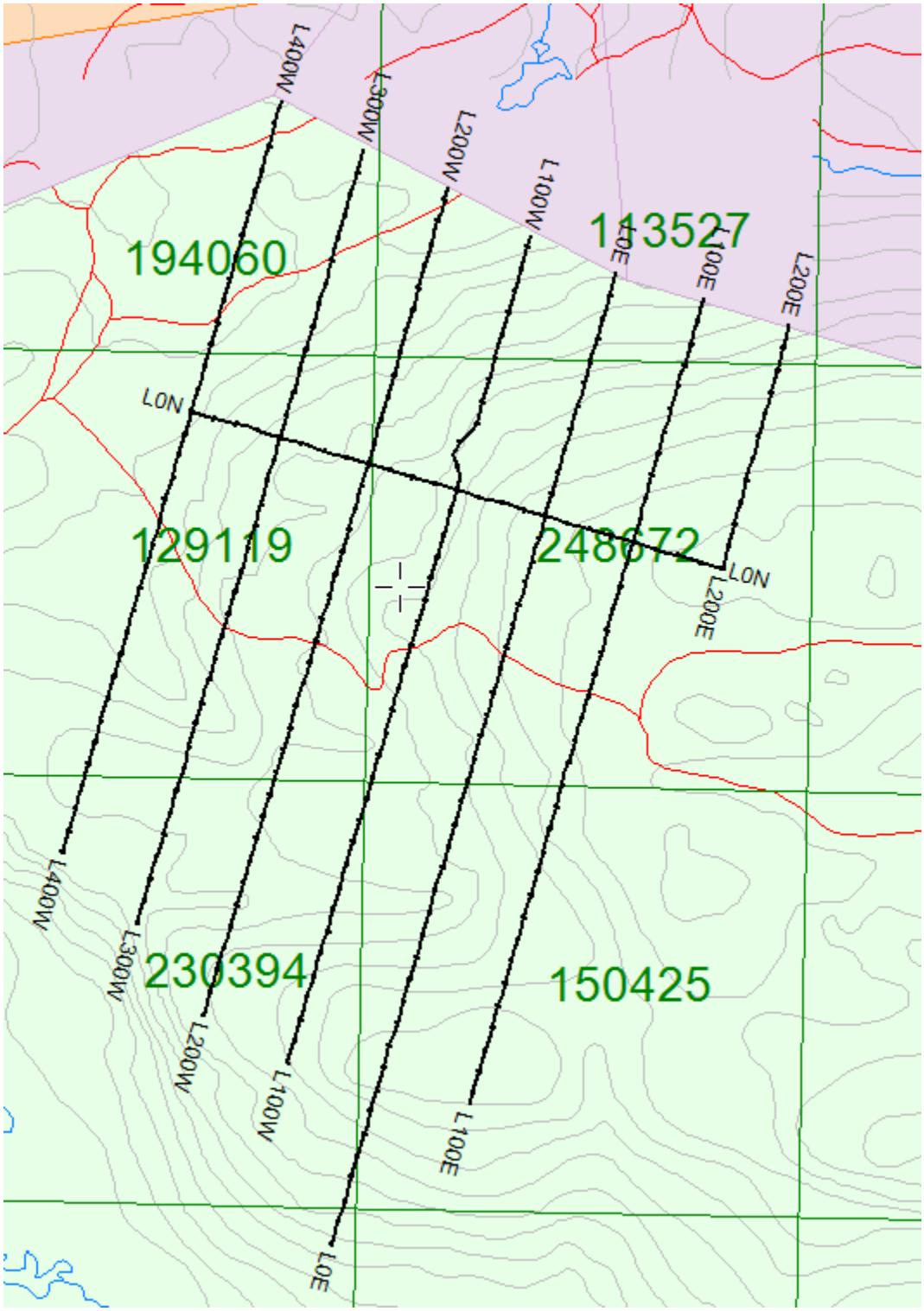


Figure 2: Claim Map with the Gunterman Project Magnetic Traverses

2.4 PROPERTY HISTORY

There has been little historical exploration projects carried out over the years all over the survey area. The following list describes details of the previous geoscience work which was collected by the Mines and Minerals division and provided by OGSEarth (MNDM & OGSEarth, 2023).

- **2012 - 2017: Skead Holdings Ltd (File 20000015403, 20000008736, 20000008969, 20000008298)**
  Geochemistry, Diamond Drilling, Ground Geophysics
  In year 2017, Skead Holdings Ltd performed Assaying and analysis, and diamond drilling (2 holes 468.10m) over portion of the property.

2.5 GENERAL REGIONAL/LOCAL GEOLOGICAL SETTINGS

General Geology:

Taken from: J. A. Robertson, Geology of Township 149 (Gunterman) and Township 150.

“Five major units are present in Gunterman township. These five units are:

- Pleistocene and Recent: unconsolidated sand, gravel, till, and swamp deposits.
- Nipissing diabase: gabbro and diabase intrusions
- Huronian: unmetamorphosed sedimentary rocks
- Algoman: Granitic gneisses and granites
- Keewatin (?): lavas, greenstones, and minor sedimentary rocks.

In the Gunterman township, interbedded volcanic and sedimentary rocks are exposed between Nordic mine and the southwest corner of the township.

The geology of the survey areas consists of Huronian supergroup-Mississage Formation, which has the rock type of Quartz-Feldspar sandstone, argillite and conglomerate.
The other type of rocks that are present in the survey area are Quartz feldspar sandstone, conglomerate and sandstones with part of the Elliot lake group, Matienda Formation.”

2.6 TARGET OF INTEREST

Targetting for the Survey was an area of interest provided by the client and represents an area where a dike might exist.

3. SURVEY WORK UNDERTAKEN

3.1 SUMMARY

CXS was contracted to perform a magnetometer survey over a portion of the Gunterman Property. The crew accessed the site on 10th of April 2023.

A total length of 6.5 kilometres was covered with 528 magnetometer samples taken at a 12.5-meter interval. The magnetometer survey indicated little variation over the survey area. Some stronger magnetometer responses occur, which may represent areas of intrusion or mineralization which should be further investigated.

3.2 SURVEY GRID

The traversed lines were established using a GPS in conjunction with the execution of the Survey. The GPS operator would select sample locations while remaining approximately 12.5m in front of the magnetometer operator. GPS waypoints and magnetic samples were taken every 12.5m along these controlled traverses. The GPS used was a Garmin GPSMAP 62s with an external antenna for added accuracy.

3.3 SURVEY LOG

Magnetic Survey Log					
Date	**Description**	**Line**	**Min Extent**	**Max Extent**	**Total Survey (m)**
10th April, 2023	Begin Magnetometer survey.	L200E	0N	275N	275
		L100E	637.5S	275N	912.5
		L0E	750S	275N	1025
		L0N	100W	200E	300
		2512.5m			
11th April, 2023	Continue Magnetometer Survey.	L0N	400W	100W	300
		L0E	837.5S	750S	87.5
		L100W	650S	287.5N	937.5
		L200W	625S	312.5N	937.5
		L300W	550S	325N	875
		L400W	500S	350N	850
		3987.5m			
12th April 2023	DEMOB				

Table 3: Survey Log

3.4 PERSONNEL

Crew Member / Contractor	Position	Resident	Province
Bruce Lavalley	Magnetometer Operator	Dobie	Ontario
Claudia Moraga	Magnetometer Operator	Dobie	Ontario
C Jason Ploeger	Senior Geophysicist	Larder Lake	Ontario
Kajal P. Makwana	Junior Geologist	Virginiatown	Ontario

Table 4: Personnel

3.5 SAFETY

Canadian Exploration Services prides itself in creating and maintaining a safe work environment for its employees. Each crew member is briefed on the job site location, equipment safety, and standard operating procedures, along with our health and safety manual. An emergency response plan is generated relating to the specific job, and with the Jobsite predominantly in the field, which is unpredictable, morning safety briefings are essential. Topics are generally chosen based on Jobsite characteristics of the area, time of year and crew experience.

Daily topics included:

Date	Safety Topic
April 10, 2023	Truck and trailer circle checks. Strap and load checks periodically throughout mobilization. Drive according to conditions and leave plenty of room between vehicle in front of you should there be a sudden stop/emergency.
April 11, 2023	Very steep topography – increased risks. Snow conditions have deteriorated and is wet/heavy, increasing risk of injury and getting hung up under snow.

Table 5: Daily Safety Topics

3.6 SURVEY SPECIFICATIONS

The Survey was conducted with a GSM-19 v7 Overhauser magnetometer with a second GSM-19 magnetometer in base station mode for diurnal correction.

A total length of 6.5 kilometres was covered with 528 magnetometer samples taken at a 12.5-meter interval.

4. OVERVIEW OF SURVEY RESULTS

4.1 SUMMARY

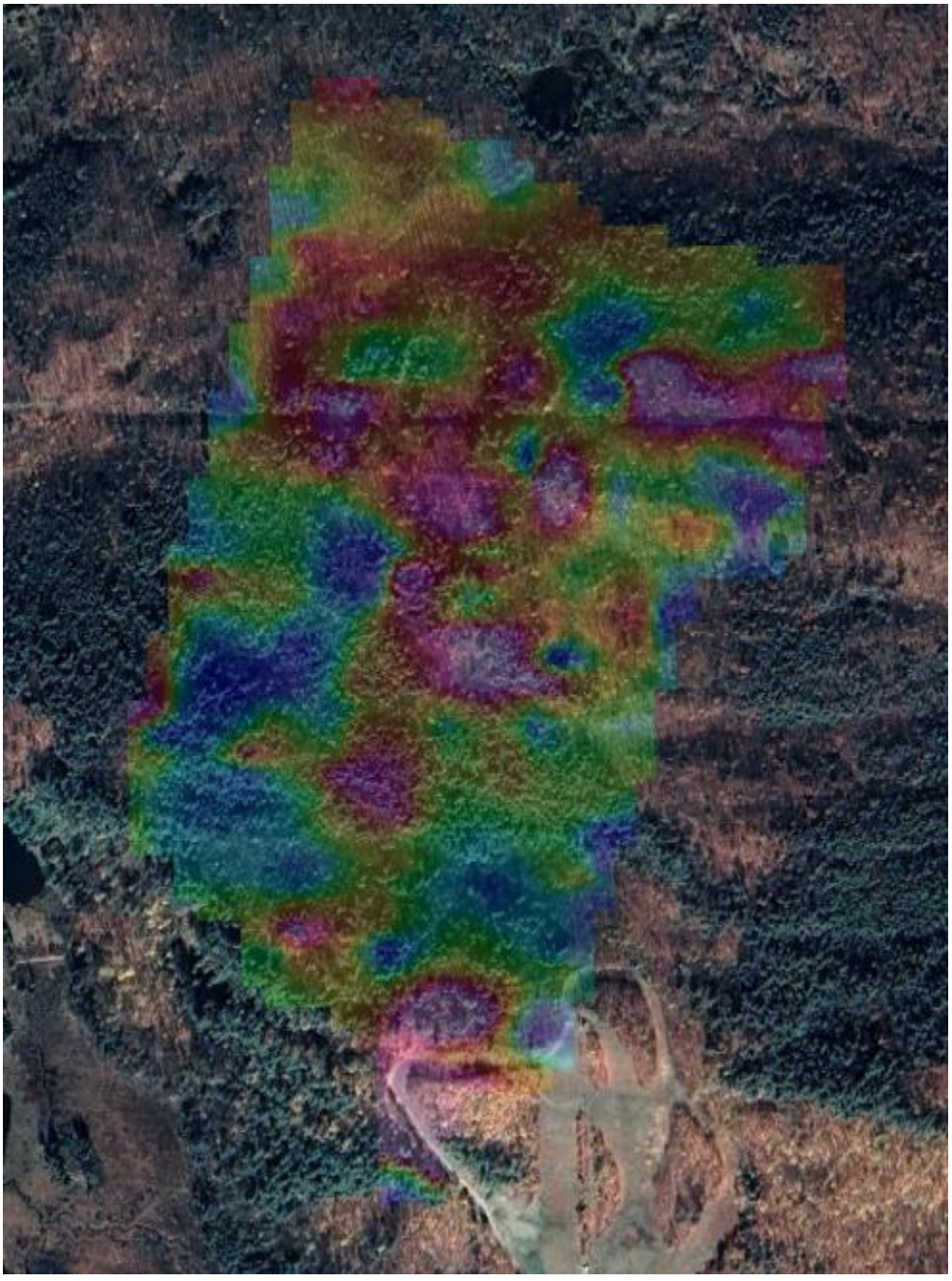


Figure 3: Magnetometer Plan Map on Google Earth

The crew noted an east-west powerline crossing the traverse area. The powerline is located near 400W/25S, 300W/0, 200W/25N, 100W/50N, 0E/75N, 100E/100N and 200E/125N.

A high voltage box and cable was also noted near the south end of line 0E.

There are elevated magnetometer readings near these locations, which may be suspicious.

Generally, the magnetic signature indicates little or low magnetic variation over the survey area which indicates that the survey most likely covers the same geological unit.

Within the survey area some localized magnetic variations occur. These represent areas where some magnetite enrichment may have occurred. This may indicate areas where mineralization or intrusive systems may exist.

4.2 RECOMMENDATIONS

It is recommended that prospecting occur around elevated magnetic signatures. These may represent areas where mineralization has occurred. These occur at 100W/212.5S, 50W/0. Prospecting should also be performed in the region of line 100W-400W between 100S and 250N.

4.3 CONCLUSION

The magnetometer survey indicated little variation over the survey area. Some stronger magnetometer responses occur, which may represent areas of intrusion or mineralization which should be further investigated.

APPENDIX A

STATEMENT OF QUALIFICATIONS

I, C. Jason Ploeger, hereby declare that:

1. I am a professional geophysicist with residence in Larder Lake, Ontario and am presently employed as a Geophysicist and Geophysical Manager of Canadian Exploration Services Ltd. of Larder Lake, Ontario.

2. I am a Practicing Member of the Association of Professional Geoscientists, with membership number 2172.

3. I graduated with a Bachelor of Science degree in geophysics from the University of Western Ontario, in London Ontario, in 1999.

4. I have practiced my profession continuously since graduation in Africa, Bulgaria, Canada, Mexico and Mongolia.

5. I am a member of the Ontario Prospectors Association, a Director of the Northern Prospectors Association and a member of the Society of Exploration Geophysicists.

6. I do not have nor expect interest in the properties of **Skead Holdings Ltd.**

7. I am responsible for the final processing and validation of the survey results and the compilation of the presentation of this report. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.

C. Jason Ploeger, P.Geo., B.Sc.
Geophysical Manager
Canadian Exploration Services Ltd.

April 13, 2023

STATEMENT OF QUALIFICATIONS

I, Kajal P. Makwana, hereby declare that:

1. I am a Junior Geologist/Exploration Geologist with residence in Virginiatown, Ontario and employed with Canadian Exploration Services Ltd. of Larder Lake, Ontario.

2. I graduated with a Bachelor of Science degree in Geology from The Maharaja Sayajirao University of Baroda, Gujarat, India, in 2017.

3. I have previous geological work experience with Battery Mineral Resources, 2021-2022.

4. I do not have nor expect interest in the properties and securities of **Skead Holdings Ltd.**

5. I am responsible for the processing and validation of the survey results and the compilation of the presentation of this report. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.

Kajal P. Makwana, B.Sc.
Exploration Geologist/ Junior Geologist
Canadian Exploration Services Ltd.

Larder Lake, ON
April 13, 2023

APPENDIX B

THEORETICAL BASIS AND SURVEY PROCEDURES

TOTAL FIELD MAGNETIC SURVEY

Base station corrected Total Field Magnetic surveying is conducted using at least two synchronized magnetometers of identical type. One magnetometer unit is set in a fixed position in a region of stable geomagnetic gradient, and away from possible cultural effects (i.e., moving vehicles) to monitor and correct for daily diurnal drift. This magnetometer, given the term 'base station', stores the time, date and total field measurement at fixed time intervals over the survey day. The second, remote mobile unit stores the co-ordinates, time, date, and the total field measurements simultaneously. The procedure consists of taking total magnetic measurements of the Earth's field at stations, along individual profiles, including Tie and Base lines. A 2-meter staff is used to mount the sensor, in order to optimally minimize localized near-surface geologic noise. At the end of a survey day, the mobile and base-station units are linked, via RS-232 ports, for diurnal drift and other magnetic activity (ionospheric and sferic) corrections using internal software.

For the gradiometer application, two identical sensors are mounted vertically at the ends of a rigid fiberglass tube. The centers of the coils are spaced a fixed distance apart (0.5 to 1.0m). The two coils are then read simultaneously, which alleviates the need to correct the gradient readings for diurnal variations, to measure the gradient of the total magnetic field.

APPENDIX C

GSM 19

Specifications

Overhauser Performance

Resolution: 0.01 nT
Relative Sensitivity: 0.02 nT
Absolute Accuracy: 0.2nT
Range: 20,000 to 120,000 nT
Gradient Tolerance: Over 10,000nT/m
Operating Temperature: -40°C to +60°C

Operation Modes

Manual: Coordinates, time, date and reading stored automatically at min. 3 second interval.
Base Station: Time, date and reading stored at 3 to 60 second intervals.
Walking Mag: Time, date and reading stored at co-ordinates of fiducial.
Remote Control: Optional remote control using RS-232 interface.
Input/Output: RS-232 or analog (optional) output using 6-pin weatherproof connector.

Operating Parameters

Power Consumption: Only 2Ws per reading. Operates continuously for 45 hours on standby.
Power Source: 12V 2.6Ah sealed lead acid battery standard, other batteries available
Operating Temperature: -50°C to +60°C

Storage Capacity

Manual Operation: 29,000 readings standard, with up to 116,000 optional. With 3 VLF stations: 12,000 standard and up to 48,000 optional.

Base Station: 105,000 readings standard, with up to 419,000 optional (88 hours or 14 days uninterrupted operation with 3 sec. intervals)

Gradiometer: 25,000 readings standard, with up to 100,000 optional. With 3 VLF stations: 12,000, with up to 45,000 optional.

Omnidirectional VLF

Performance Parameters: Resolution 0.5% and range to ±200% of total field. Frequency 15 to 30 kHz.

Measured Parameters: Vertical in-phase & out-of-phase, 2 horizontal components, total field co-ordinates, date, and time.

Features: Up to 3 stations measured automatically, in-field data review, displays station field strength continuously, and tilt correction for up to ±10° tilts.

Dimensions and Weights: 93 x 143 x 150mm and weighs only 1.0kg.

Dimensions and Weights

Dimensions:
Console: 223 x 69 x 240mm
Sensor: 170 x 71mm diameter cylinder
Weight:
Console: 2.1kg
Sensor and Staff Assembly: 2.0kg

Standard Components

GSM-19 magnetometer console, harness, battery charger, shipping case, sensor with cable, staff, instruction manual, data transfer cable and software.

Taking Advantage of a "Quirk" of Physics

Overhauser effect magnetometers are essentially proton precession devices except that they produce an order-of magnitude greater sensitivity. These "supercharged" quantum magnetometers also deliver high absolute accuracy, rapid cycling (up to 5 readings / second), and exceptionally low power consumption.

The Overhauser effect occurs when a special liquid (with unpaired electrons) is combined with hydrogen atoms and then exposed to secondary polarization from a radio frequency (RF) magnetic field. The unpaired electrons transfer their stronger polarization to hydrogen atoms, thereby generating a strong precession signal-- that is ideal for very high-sensitivity total field measurement. In comparison with proton precession methods, RF signal generation also keeps power consumption to an absolute minimum and reduces noise (i.e. generating RF frequencies are well out of the bandwidth of the precession signal).

In addition, polarization and signal measurement can occur simultaneously - which enables faster, sequential measurements. This, in turn, facilitates advanced statistical averaging over the sampling period and/or increased cycling rates (i.e. sampling speeds).

- The unique Overhauser unit blends physics, data quality, operational efficiency, system design and options into an instrumentation package that ... exceeds proton precession and matches costlier optically pumped cesium capabilities

APPENDIX C

GARMIN GPS MAP 64

Physical & Performance:	
Unit dimensions, WxHxD:	2.4" x 6.3" x 1.4" (6.1 x 16.0 x 3.6 cm)
Display size, WxH:	1.43" x 2.15" (3.6 x 5.5 cm); 2.6" diag (6.6 cm)
Display resolution, WxH:	160 x 240 pixels
Display type:	transflective, 65-K color TFT
Weight:	8.1 oz (230 g) with batteries
Battery:	2 AA batteries (not included); NiMH or Lithium recommended
Battery life:	16 hours
Waterproof:	yes (IPX7)
Floats:	no

High-sensitivity re-ceiver:	yes
Interface:	high-speed USB and NMEA 0183 compatible
Maps & Memory:	
Basemap:	yes
Ability to add maps:	yes
Built-in memory:	4 GB
Accepts data cards:	microSD™ card (not included)
Custom POIs (ability to add additional points of interest)	yes
Waypoints/favorites/locations:	5000
Routes:	200
Track log:	10,000 points, 200 saved tracks
Features & Benefits:	
Automatic routing (turn by turn routing on roads):	yes (with optional mapping for detailed roads)
Geocaching-friendly:	yes (paperless)
Custom maps compatible:	yes
Hunt/fish calendar:	yes
Sun and moon information:	yes
Tide tables:	yes
Area calculation:	yes
Picture Viewer	yes

- *Specifications obtained from www.garmin.com*

- **APPENDIX D**

- **REFERENCES**

- Telford, “Applied Geophysics”, 1976
- Gem Systems, “GSM-19 v7, Instruction Manual”, 2007
- Google. (2023).
- Maxar Technologies. (2023). *Survey design overlaid on Google Earth.* Google Earth.
- MNDM & OGSEarth. (2023). *OGSEarth*. Ontario Ministry of Northern Development and Mines.

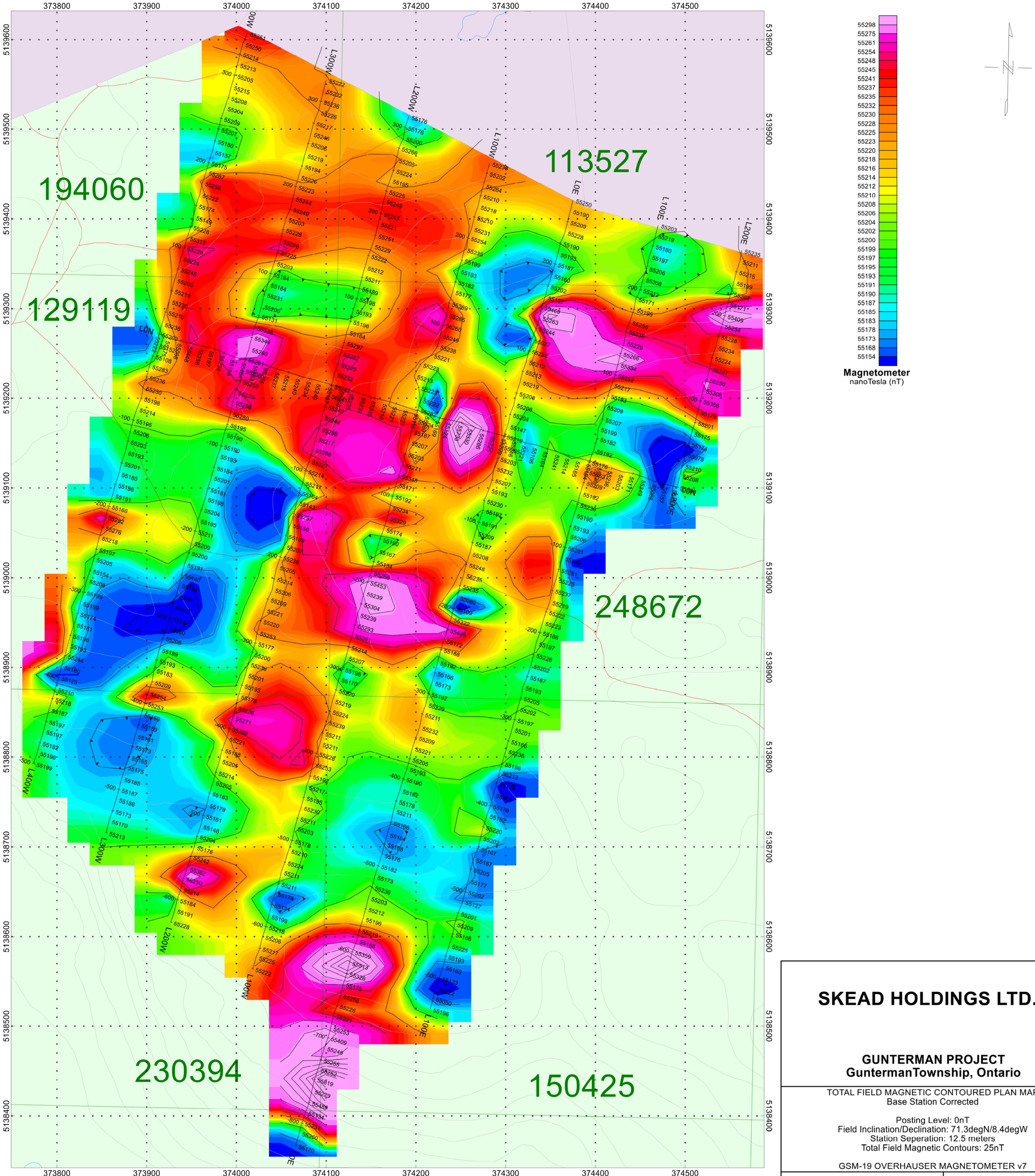
APPENDIX E

LIST OF MAPS (IN MAP POCKET)

Magnetometer Plan Map (1:2500)

1) Q3091-Skead-Gunterman-Mag-Cont

TOTAL MAPS = 1



SKEAD HOLDINGS LTD.

GUNTERMAN PROJECT
GuntermanTownship, Ontario

TOTAL FIELD MAGNETIC CONTOURED PLAN MAP
Base Station Corrected

Posting Level: 0nT
Field Inclination/Declination: 71.3degN/8.4degW
Station Seperation: 12.5 meters
Total Field Magnetic Contours: 25nT

GSM-19 OVERHAUSER MAGNETOMETER v7

Receiver Operated By: Claudia Moraga
GPS Operated By: Bruce Lavalley
Processed by: C Jason Ploeger, P.Geo.
Map Drawn By: C Jason Ploeger, P.Geo.
April 2023

CANADIAN EXPLORATION SERVICES LTD

Drawing: Q3091-Skead-Gunterman-Mag-Cont