GEOPHYSICAL FOLLOW-UP REPORT FOR SCHYAN EXPLORATION INC. / LARRY GERVAIS ON THE CREST LAKE PROPERTY KEEFER TOWNSHIPS PORCUPINE MINING DIVISION NORTHEASTERN, ONTARIO

2.56118



Prepared by: C. C. Grant,

July 2015

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ABSTRACT:

The Crest lake property was initially staked by Larry Gervais who optioned the property to Zinc Corp. Resources Inc. in the fall of 2010. During the winter of 2010 a ground program was completed across the property that consisted of a detailed line cutting, total field magnetic and VLF EM survey. The original grid consisted of a series of east-west lines that were turned off of a base line at 100 meter intervals. Lines 0+00 to line 500ME were cut from the base line to tie line 600MN, line 600ME was cut from the base line to 1100MN and lines 700ME and 800ME were cut from 400MN to 1100MN.

In March of 2011 the cross lines were then covered by a follow up Induced Polarization, (IP), survey. The intent of the follow up program was to better define the VLF zones and magnetic high structures.

INTRODUCTION:

The services of Exsics Exploration Limited were retained by Mr. L. Gervais and Mr. M. Lavery, on behalf of the Company, Schyan Exploration Inc., to complete a series of east west grid lines that would be completed across the existing grid that had been previously established across the Crest Lake Property. These grid lines would be put in parallel to the existing base line and tie lines with the intent of better defining suspected cross faulting. The entire program was completed by Exsics Exploration Limited.

PROPERTY LOCATION AND ACCESS:

The Crest Lake Property is situated approximately 50 kilometers west-southwest of the City of Timmins. The claim block is situated in the south central section of Keefer Township. More specifically it is located to the west of Boom Lake, northwest of Keefer Lake and the western section of the grid covers all of Crest Lake. Keefer Township is within the Porcupine Mining Division, Northeastern Ontario. Refer to Figures 1 and 2 of this report.

Access to the grid during the survey period was ideal. Highway 101 travels west of Timmins to the junction of a good all weather gravel road locally called the Boom Lake road. This road run northwest off of the highway and allows access to the eastern shore of Boom Lake. A second access route used by the current crews was a good ploughed road that ran west to southwest off of the Little Star Lake access road that provided drivable access to line 400ME at about 800MN.Then power line that cuts across the area provided good skidoo to most of the grid area. Traveling time from Timmins to the grid is about 70 minutes.

CLAIM BLOCK:

The claim numbers that were covered by the geophysical survey are listed below.

4215959,	13 units
4240106,	8 units







Refer to figure 3 copied from MNDM Plan Map G-3237 of Keefer Township for the positioning of the grid and the claim number.

PERSONNEL:

The field crew directly responsible for the collection of all the original raw magnetic and VLF-EM data were as follows.

J. Francoeur D.J. Gibson Timmins, Ontario The work was completed under the direct supervision of J. C. Grant of Exsics.

GROUND PROGRAM:

This phase of the ground program was completed between July 2nd and July 10th 2015 and consisted of several addition east west grid lines being compassed paced across the main Crest Lake Grid using a hand held GPS unit for survey accuracy. The lines were labelled Tie line 200MN, Tie line 400MN, Tie line 500MN, Tie line 600MN, eastern extension, Tie line 800MN and Tie line 1000MN. In all a total of 5.0 kilometers of new grid were cut during this phase of the program.

Once the cross lines were completed the lines were covered by a total field magnetic survey using the Scintrex ENVI mag system. Specifications for this unit can be found as Appendix A of this report. The following parameters were kept constant throughout this survey.

Line spacing	100 and 200 meters
Station spacing	25 meters
Reading intervals	12.5 meters
Diurnal monitoring	base station recorder
Record interval	30 seconds
Reference field	57000 nT
Datum subtracted	56500 nT

PROPERTY GEOLOGY:

The gird area is generally underlain by a band of basalts intermixed with felsic to intermediate volcanics that has been cross cut by a north to northwest striking fault zone that cuts across the eastern shore of Crest Lake, generally paralleling line 500ME. A dike is interpreted to also run north south across the western tip of the same lake. Figure 4.



MAGNETIC SURVEY RESULTS:

The initial magnetic survey was successful in locating and defining the underlying geological structures of the grid area. The most predominant feature is the strong magnetic high unit that strikes into the grid from the east and crosses the southern section of the grid. The zone is represented by a narrow magnetic high that lies between 100MN and 200MN and has correlating IP zones lying along the northern and southern edges of the high. This narrow magnetic unit may fold back on itself between lines 300ME and 500ME and appears to wrap around the IP zone that strikes across lines300ME to 600ME.

This phase of the survey suggests that this target does not extend past 700ME. In fact there may be a cross structure striking northwest-southeast from line 1000ME at the base line to at least 700ME at 250MN that has cut off the magnetic unit coming in from the west.

A second narrow magnetic high was noted on lines 200ME to 100ME at the southern tip that correlates to the southern limb of the IP zone striking across lines 300ME to 0+00.

The follow up program that covered line 100MW suggests that this narrow zone does not continue off of the grid to the west.

There is a strong broad magnetic high that strikes into the northwest section of the grid and covers lines 0+00 to 200ME between 800MN and 900MN. The eastern edge of this high appears to butt up against a possible northwest-southeast striking low unit that can be followed from line 300ME at 1000MN to 1000ME at the base line.

This phase of the program suggests that the magnetic unit continues across line 100MW and continues off of the grid to the west. The IP zone also follows the northern edge of this unit and it too continues off of the grid to the west.

The above magnetic high may continue on to the east of this northwest-southeast structure and **this latest program suggest that the zone can now be followed from 550ME to 1000ME between 700MN and 675MN. One IP zone correlate directly with the magnetic** high all the way from 500ME to 1000ME and appears to continue off of the grid to the east. A second IP zone runs along the southern edge of this same magnetic high.to the northern limb of the western high and directly with the eastern magnetic high.

PHASE 4 FOLLOW UP, CROSS LINES:

This portion of the ground magnetic survey appears to enhance the initial magnetic results as were discussed under the Magnetic Survey Results above. Tie line 800MN from 100MW to 250ME also confirms that this is a strong narrow magnetic high unit striking into the grid from the west and it appears to bunch up next to a suspected northwest to southeast cross structure at 300ME.

As the survey continued along the tie line a low was observed between 325ME and 425ME which is where the suspected cross structure is thought to cross the grid. There is another magnetic high building between 500ME and 700ME on 800MN tie line that may be part of a strong narrow magnetic high unit striking from 700ME at 550Mn to 500ME at 1100MN and this unit seems to continue off of the grid to the northwest.

The 1000MN tie line also outlined this magnetic high and it lies between 400ME and 600ME.

Tie line 400MN between 100Mw and 25ME enhanced the initial survey results that correlate to a narrow magnetic high unit striking off of the grid to the west.

Tie line 200MN between 100MW and 600ME also enhanced the initial magnetic results which generally suggest that there is another narrow magnetic high unit striking along the tie line that continues off of the grid to the west.

CONCLUSIONS AND RECOMMENDATIONS:

This portion of the magnetic survey results suggest that the reading of the tie lines between 1000MN and 200MN enhanced the initial magnetic survey results as well as better definition of the suspected cross structure. Tie line 800MN suggest that the magnetic unit striking into the grid from the west definitely bunches up next to a northwest to southeast cross structure along line 300ME. This is evident in the ballooning of the narrow magnetic high along line 300ME.

The survey results from Tie lines 1000MN, 800MN and 600MN suggest that there may be a parallel cross unit, possibly a dike like unit striking northwest to southeast from tie line 1100MN at 500ME to 600MN at 700ME.

The remainder of the results from tie lines 500MN, 400MN and 200MN enhanced the initial magnetic survey results without adding any new information.

A drill program should be considered after a geological and or geochemical programs has been completed across the more interesting survey results obtained by the magnetic and IP programs.

Respectfully submitted

July 2015

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CERTIFICATION

I, John Charles Grant, of 108 Kay Crescent, in the City of Timmins, Province of Ontario, hereby certify that:

- I am a graduate of Cambrian College of Applied Arts and Technology, 1975, Sudbury Ontario Campus, with a 3 year Honors Diploma in Geological and Geophysical Technology.
- I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited, (5 years, 1975 to 1980), and currently as Exploration Manager and Chief Geophysicist for Exsics Exploration Limited, since May, 1980.
- 3). I am a member in good standing of the Certified Engineering Technologist Association, (CET), since 1984.
- 4). I am in good standing as a Fellow of the Geological Association of Canada, (FGAC), since 1986.
- 5). I have been actively engaged in my profession since the 15th day of May, 1975, in all aspects of ground exploration programs including the planning and execution of field programs, project supervision, data compilation, interpretations and reports.
- 6). I have no specific or special interest nor do I expect to receive any such interest in the herein described property. I have been retained by the property holders and or their Agents as a Geological and Geophysical Consultant and Contract Manager.

JOHN GRANT

ELLOW

John Charles Grant, CET., FGAC.

APPENDIX A

FRSMAP® 76Cx and 76CSx

Amazing detail and color meet

high-sensitivity GPS performance in

Waterproof navigation with a splash of color

the GPSMAP 76Cx and 76CSx.

These mariner-friendly handhelds are

WAAS-enabled, waterproof, and they'll

even float if dropped overboard.

They're set to go the distance on land

or sea thanks to a long battery life

and 128 megabytes of microSD

card memory for loading optional

MapSource* detail: BlueChart*,

City Navigator", TOPO, and more.

The 76CSx adds electronic compass and barometric altimeter for extremely accurate heading and elevation readings. Automatic pressure trend recording even

lets you can keep an eye on the weather.



WAAS (O

Uploadable maps:

(GPSMAP 76Cx & 76CSx)

BlueChart

Accepts up to 1 GB (gigabyte) microSD



Accepts MapSource" BlueChart" data for detailed offshore cartography



Get detailed street maps plus the location of services with MapSource[®] City Navigator[®].



MapSource TOPO data is ideal for outdoor sports such as hiking or geocaching.



The barometric altimeter feature on the GPSMAP 76CSx provides elevation profiles.

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WVW.garmin CDM Specifications are preliminary and subjection change without notica. "On exercise for a stationary receiver with an open sky new



107 13.

Navigation features

1000 with name and graphic symbol,

10 proximity

Waypoints/icons:

Carrying case

12-volt adapter cable Power/data cable

Remote GPS antenna

Locating Buried Drums and Tanks?

The ENVI-MAG is the solution to this environmental problem. ENVI-MAG is an inexpensive, lightweight, portable "WALKMAG" which enables you to survey large areas quickly and accurately. ENVI-MAG is a portable, proton precession magnetometer and/or gradiometer, for geotechnical, archaeological and environmental applications where high production, fast count rate and high sensitivity are required. It may also be used for other applications, such as mineral exploration, and may be configured as a total-field magnetometer, a vertical gradiometer or as a base station.

The ENVI-MAG

- easily detects buried drums to depths of 10 feet or more
- more sensitive to the steel of a buried drum than EM or radar
- much less expensive than EM or radar
- survey productivity much higher than with EM or radar

Main features include:

- select sampling rates as fast as 2 times per second
- "WALKMAG" mode for rapid acquisition of data
- large internal, expandable memory
- easy to read, large LCD screen displays data both numerically and graphically
- ENVIMAP software for processing and mapping data

ENVI-MAG comprises several basic modules; a lightweight console with a large screen alphanumeric display and high capacity memory, a staff mounted sensor and sensor cable, rechargeable battery and battery charger, RS-232 cable and ENVIMAP processing and mapping software.

For gradiometry applications an upgrade kit is available, comprising an additional processor module for installation in the console, and a second sensor with a staff extender.



ENVI-MAG Proton Magnetometer in operation

For base station applications a Base Station Accessory Kit is available so that the sensor and staff may be converted into a base station sensor.

Features and Benefits

"WALKMAG" Magnetometer/Gradiometer

The "WALKMAG" mode of operation (sometimes known as "Walking Mag") is user-selectable from the keyboard. In this mode, data is acquired and recorded at the rate of 2 readings per second as the operator walks at a steady pace along a line. At desired intervals, the operator "triggers" an event marker by a single key stroke, assigning coordinates to the recorded data.

True Simultaneous Gradiometer

An optional upgrade kit is available to configure ENVI-MAG as a gradiometer to make true, simultaneous gradiometer measurements. Gradiometry is useful for geotechnical and archaeological surveys where small near surface magnetic targets are the object of the survey.

Selectable Sampling Rates

0.5 second, 1 second and 2 second reading rates user selectable from the keyboard.

Large-Key Keypad

The large-key keypad allows easy access for gloved-hands in cold-weather operations. Each key has a multi-purpose function.



Front panel of ENVI-MAG showing a graphic profile of data and large-key keypad

Large Capacity Memory

ENVI-MAG with standard memory stores up to 28,000 readings of total field measurements, 21,000 readings of gradiometry data or 151,000 readings as a base station. An expanded memory option is available which increases this standard capacity by a factor of 5.

Easy Review of Data

For quality of data and for a rapid analysis of the magnetic characteristics of the survey line, several modes of review are possible. These include the measurements at the last four stations, the ability to scroll through any or all previous readings in memory, and a graphic display of the previous data as profiles, line by line. This feature is very useful for environmental and archaeological surveys.

Highly Productive

The "WALKMAG" mode of operation acquires data rapidly at close station intervals, ensuring high-definition results. This increases survey productivity by a factor of 5 when compared to a conventional magnetometer survey.

"Datachack" Quality Control of Data

"Datacheck" provides a feature wherein at the end of each survey line, data may be reviewed as a profile on ENVI-MAG's screen. Datacheck confirms that the instrument is functioning correctly and allows the user to note the magnetic relief (anomaly) on the line.

Large Screen Display

"Super-Twist" 64 x 240 dot (8 lines x 40 characters), LCD graphic screen provides good visibility in all light conditions. A display heater is optionally available for low-temperature operations below 0°C.

Method: MP-5	17:22:56
FOTAL QUALITY GRADIENT	ST: 135/
57687.80 0.00 57661.60	1334
57687.76 9.00 57667.16	1371
01001.04	MEME: 8
Low 519.52	IEATT: 8

Close-up of the ENVI-MAG screen showing data presented after each reading

Interactive Menus

The set-up of ENVI-MAG is menu-driven, and minimizes the operator's learning time, and on-going tasks.

COLORISON DE LE	
B FAS	GLIUSN
DURATION: 0.5 sec	FIELD UNLT
BASE CORFECT, Ves->	START CORFECTING ?
REMUTE: no	TOTTING
Ch97:+-	Make and Autor Ball 1 - 77 Ball

Close-up of display of ENVI-MAG showing interactive set-up menu

Specifications \equiv

Total Field Operating Range

20,000 to 100,000 nT (gammas)

Total Field Absolute Accuracy +/- 1nT

+/- 1111

Sensitivity 0.1 nT at 2 second sampling rate

Tuning

Fully solid state. Manual or automatic, keyboard selectable

Cycling (Reading) Rates

0.5, 1 or 2 seconds, up to 9999 seconds for base station applications, keyboard selectable

Gradiometer Option

"WALKMAG" Mode

0.5 second for walking surveys, variable rates for hilly terrain

Digital Display

LCD "Super Twist", 240 x 64 dots graphics, 8 line x 40 characters alphanumerics

Display Heater

Thermostatically controlled, for cold weather operations

Keyboard Input

17 keys, dual function, membrane type

Notebook Function

32 characters, 5 user-defined MACRO's for quick entry

Rechargeable Battery and Battery Charger

An "off-the-shelf" lead-acid battery and charger are provided as standard. The low-cost "Camcorder" type battery is available from electronic parts distributors everywhere.

HELP-Line Available

Purchasers of ENVI-MAG are provided with a HELP-Line telephone number to call in the event assistance is needed with an application or instrumentation problem.

ENVIMAP Processing and Mapping Software

Supplied with ENVI-MAG, and custom designed for this purpose, is easy-to-use, very user-friendly, menu driven data processing and mapping software called ENVIMAP. This unique software appears to the user to be a single program, but is in fact a sequence of separate programs, each performing a specific task. Under the menu system, there are separate programs to do the following:

- a) read the ENVI-MAG data and reformat it into a standard compatible with the ENVIMAP software
- b) grid the data into a standard grid format
- c) create a vector file of posted values

Standard Memory

Total Field Measurements:28,000 readingsGradiometer Measurements:21,000 readingsBase Station Measurements:151,000 readings

Expanded Memory

Total Field Measurements: 140,000 readings Gradiometer Measurements: 109,000 readings Base Station Measurements: 750,000 readings

Real-Time Clock

Records full date, hours, minutes and seconds with 1 second resolution, +/- 1 second stability over 12 hours

Digital Data Output

RS-232C interface, 600 to 57,600 Baud, 7 or 8 data bits, 1 start, 1 stop bit, no parity format. Selectable carriage return delay (0-999 ms) to accommodate slow peripherals. Handshaking is done by X-on/X-off

Analog Output

0 - 999 mV full scale output voltage with keyboard selectable range of 1, 10, 100, 1,000 or 10,000 nT full scale

Power Supply

Rechargeable "Camcorder" type, 2.3 Ah, Leadacid battery.

12 Volts at 0.65 Amp for magnetometer, 1.2 Amp for gradiometer,

External 12 Volt input for base station operations Optional external battery pouch for cold

weather operations

Battery Charger

110 Volt - 230 Volt, 50/60 Hz

with line and baseline identification that allows the user to add some title information and build a suitable surround

- d) contour the gridded data
- e) autoscale the combined results of the posting/surround step and the contouring step to fit on a standard 8.5 ins, wide dotmatrix printer
- f) rasterize and output the results of step e) to the printer

ENVIMAP is designed to be as simple as possible. The user is required to answer a few basic questions asked by ENVIMAP, and then simply toggles "GO" to let ENVIMAP provide default parameters for the making of the contour map. The user can modify certain characteristics of the output plot. ENVIMAP'S menu system is both keyboard and mouse operable. HELP screens are integrated with the menu system so that HELP is displayed whenever the user requests it.

Options Available

- True simultaneous gradiometer upgrade
- Base station upgrade
- Display heater for low temperature operations
- External battery pouch

Operating Temperature Range

Standard 0° to 60°C Optional -40°C to 60°C

Dimensions

Console - 10 x 6 x 2.25 inches (250 mm x 152 mm x 55 mm)

T.F. sensor - 2.75 inches dia. x 7 inches

(70 mm x 175 mm) Grad. sensor and staff extender - 2.75 inches dia. x 26.5 inches (70 mm x 675 mm)

T.F. staff - 1 inch dia. x 76 inches (25 mm x 2 m)

Weight

Console - 5.4 lbs (2.45 kg) with rechargeable battery T. F. sensor - 2.2 lbs (1.15 kg) Grad. sensor - 2.5 lbs (1.15 kg) Staff - 1.75 lbs (0.8 kg)

SONTEEX

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