

MEMORANDUM

To: Bill Mann
Zinccorp Resources Inc.

Date: 26 June, 2010

From: Ian Kickbush

Re: Field report – Zinccorp Resources Gravity Survey

This memorandum is a short form geophysical report describing the gravity survey conducted on the Credit Lake Property in the NWT. The survey was designed to provide further information over areas of interest, and to assist in correlating ongoing drilling results.

a. Personnel: The ground geophysics surveys were conducted by the following personnel:

| | | |
|---------------------------|------------|--------------------|
| Ian Kickbush | Crew Chief | June 21 - 26, 2010 |
| Anastasiya Matlashevskaya | Helper | June 21 - 26, 2010 |

b. Instruments and equipment: The crew was equipped with the following instruments and equipment.

| | | |
|------------------------|---|---|
| Gravity | 1 | Scintrex CG-5 Gravimeter s/n 961049349 |
| GPS | 1 | Topcon RTK carrier phase Differential GPS receivers Pacific Crest GPS radio link |
| Data processing | 1 | Pentium 4 CPU 1.8 GHz laptop computer |

Survey location: The Michelle Property is located approximately 25 kilometres west of is at km 131 on Dempster Highway. The project area covers NTS map sheet 116A13. Access was by helicopter from the Michelle Camp at approximately 64 57' 39"N 138 13'

48"W. Each Gravity station's coordinates were determined from position measurements taken with a combination of Real Time Kinematic and Post Processed Differential GPS system depending on signal quality, and recorded as UTM zone 8N coordinates in the NAD83 datum. The overall accuracy of elevation readings using Post Processed Differential GPS system and with satellite configurations commonly encountered at the property latitude is ± 50 cm. This would constitute an error of ± 100 μ Gal after Bouguer and Free Air corrections using a standard crustal density. When the grid permitted an RTK measurement, the accuracy increased 10 fold. Station spacing was a varied between 100 - 200 metres. A total of 73 gravity stations were occupied on one grid, however 9 stations were lost due to a faulty GPS base station.

d. Survey specifications: The gravity survey was completed according to the following specifications.

GRAVITY SURVEY

Geographic datum & projection: NAD 83 Zone 8N UTM coordinates

Elevation datum: Mean sea level using Geoid EMG96

Station locations: Stations were located with non-differential GPS receivers.

Station marking: Stations were marked with tagged and flagged nails driven flush to ground level where possible.

Gravimeter preparation: The gravimeter was levelled on bedrock and warmed up for a period of 48 hours to stabilize. Thereafter, the instrument would be cycled for 24 hours taking readings for 120 seconds every 5 minutes to determine the remnant instrument drift and to reset instrument drift constants. This information would be provided to Zinccorp Resources to verify the stable operation of the instrument. The instrument would remain under power at all times throughout the survey operation.

Gravity readings: Readings were stacked for 60 s and maximum standard deviation in reading error was kept to less than 50 microGal if possible. When this was not possible, readings were repeated several times to ensure that the data is repeatable. Seismic filters were engaged to remove wind noise.

e. Data processing The Gravity data was downloaded and processed daily in the field using propriety software package 'Gravred2'. All of the field produced maps and databases were created in Geosoft Oasis Montaj.

f. Data formats The unedited ASCII instrument dump files are named for the date (day/month /operator's initials) on which they were produced. The gravimeter dump file names include the letters 'Grav' and end with a .raw extension. The RTK GPS dump files include the hyper, rover, base folders and the handheld gps files include letters 'hGPS' and the date. The Near Terrain Corrections (NTC) are in the excel spreadsheet. The final processed data are in Geosoft data base (.gdb) format.

g. Results The following products are appended to this report:

1. Digital data in Geosoft format (.gdb) data base files, raw unedited data in ASCII format with processing notes for Gravity data.
2. Field produced Bouguer Anomaly coloured contour map for the gravity grid completed.
3. A Survey and Personnel Summary for the entire project in .pdf format.
4. This report in .pdf format.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

Ian Kickbush, B.Sc.