

Tricks on exploration

1. ARTICLES, TRICKS ON EXPLORATION AND GEOPHYSICS, HOW TO CONTRIBUTE?

Many people in exploration are well qualified and know how and where they should be looking to find the next mine. But, these days, there are fewer active companies and people have less and less time to exchange ideas. For different reasons, innovative ideas are often not communicated, even with colleagues sharing the same office.

We thought that all could benefit from new innovations if they could hear about them. So we decided that once a month, articles would be written on different geophysical techniques that might help you dealing with prospecting, geophysical surveys, matching DDH cores with geophysical anomalies, etc.

Do not hesitate to share with us some innovative techniques, tricks, etc.

Comments and critics would also be appreciated.

2. HOW TO PROSPECT MORE EFFICIENTLY WITH A GPS AND A BEEP MAT?

(A Beep Mat is a geophysical instrument that BEEPS in presence of sulfides. It can detect sulfides up to 3 meters deep)

On May 1, 2000, the President of the USA announced that the GPS signal would be clear of any interference. A 5 to 10-meter position accuracy can now be obtained from cheap GPS available on the market. It also means that you can retrieve an airborne EM or ground EM (MaxMin, VLF or else) anomaly within a 5 to 10-meter accuracy. Then, to find a portion of the conductor that comes near the surface, a Beep Mat would be used. Once localized, a trench could be dug with the help of a shovel to grab a sample for assays. On average, a showing will be found after sampling 200 conductors at an average cost of 1,000 \$ per site. It takes around 10,000 sampled conductors to find a mine. The difficulty in exploration is not to find geophysical anomalies, it is to explain them at a reasonable cost. The systematic use of the Beep Mat will allow you to explain up to 80% of your anomalies and reduce exploration costs by 10 to 100 times if compared to a standard DDH approach. For more details and case histories, please consult our web site at:

<http://www.gddinstrumentation.com>

3. WHERE TO GET A FREE BEEP MAT IN THE PROVINCE OF QUEBEC?

The Ministry of Natural Resources of Quebec has a few Beep Mats available for prospectors. You may inquire on their availability by calling or sending an e-mail to:

• Pierre Doucet, resident geologist in Rouyn Noranda at:

pierre.doucet@mrn.gouv.qc.ca

• Lucie Ste-Croix, resident geologist in Chibougamau at:

lucie.ste-croix@mrn.qc.ca

• Rock Gaudreau, resident geologist in Montreal at:

rock.gaudreau@mrn.gouv.qc.ca

• Serge Perreault, resident geologist in Sept-Iles at:

serge.perreault@mrn.gouv.qc.ca

The APQ in Rouyn Noranda has also one available. They can be reached at (819) 762-1599 or by email at a.p.q.@sympatico.ca

If you cannot get a free Beep Mat, call GDD at (418) 877-4249 and we will try to help you.