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Oct. 23/2017 Prospecting Trip to Polygon Lake Property

The Goal

More of This

Polygon Lake Occurrence

Personnel

James Kulp E34423

Rick Angove E30099

Topography

In general the area is relatively flat except in the southwestern portion. There is a fairly high rising area on the north side of Polygon Lake, 80-100 feet, dropping off sharply to the west. The area was logged many years ago. Roads that are still marked on Claimaps have long since grown over. Vegetation is mainly poplar with the odd spruce and young white pine. The area was not replanted after logging.

History

A low grade copper discovery was made near Polygon Lake in the 1950s. The claim was taken to lease almost immediately and thus very little assessment work has been filed. There are two geological reports covering the area. They are Geology of Bennett Tanner (Young 1960) and OFR 5879 Precambrian Geology of Wild Potato Lake (Shanks 1994). Mustang Minerals completed a reconnaissance survey over a large area that included the Polygon lake Occurrence. The Independence Mine lies about 7 kilometres east of Polygon Lake and there are a number of old past producers and occurrences to the west starting with the Alice A which is about 10 km to the west.

Location and Access

Road access is the simplest means to access the claim. The Manion Lake Road exits highway 11 about 10 kilometres east of Mine Centre. Follow the Manion Lake Road for about 2 kilometres and then turn east

onto the Little Turtle River Road. Follow this for about 7 kilometres. From this point it is about a one hour walk south to the claim. We have a relatively easy trail to follow to get there. Last year we began working on a new trail location for future use by quads. Some of the work has been completed and quads were used to get closer to the claim. The trail is not completed as yet. Travel time on the quads is roughly 50-60 minutes and a 10-15 minute walk to the claim.

Purpose of Trip

Our goal was locating near surface conductive anomalies using a Beep Mat. Unfortunately we were unsuccessful. We did find a number of highly magnetic zones with the Beep Mat but no conductive zones…..on the claim. We did locate one slightly conductive zone walking to the claim but it is a few metres off the claim.

We encountered some weather related difficulty on the trip. The weather was rain or drizzle all day. It made the hand lens almost useless most of the day. More importantly the GPS only worked intermittently during the day and that made it impossible to precisely locate every mag anomaly we came across. I assume the GPS issue was because of the heavy cloud cover. We did take a couple samples from two highly magnetic zones and I did manage to get four GPS locations.

The attached map shows the general area of our traverse. The four numbered locations were places where I could get a GPS reading.

Location 1 (546470E, 5403477N) was an area where I had higher mag readings on the Beep Mat. I would call the rock here a fine grained gabbro or maybe a dolerite with the very minor pyrite. There was no silicification.

Location 2 (546510, 5403399N)is the southern portion of the traverse. It was along the base of high rock outcrop. Exposure along there is excellent. We broke off many samples but no sulphides of any significance were noted. The rock is a fine grained mafic volcanic. Some shearing is evident.

Location 3 (546580E, 5403500N) is the area near an old pit we dug in 2012. It is highly magnetic and triggered all magnetic lights on the Beep Mat. I have included a picture of the rock from the pit. This was the area where I really expected to find a conductive zone with the Beep Mat. The rock contains a few sulphides and some green silicification, most likely chrysoprase.

Location 4 (no GPS coordinates) was a mafic volcanic with a vesicle covered surface and very minor sulphides.

There were several other outcrops where we broke off samples but those were the only ones where I managed to get a GPS fix for mapping. None of the other locations contained anything significant. The rock was always either a fine grained gabbro or a mafic volcanic. One spot along the high outcrop,

location 2, and a little east of the gps fix, there was some quartz. It was about 5-6 inches wide but did not continue anywhere.

I have used the Beep Mat as a prospecting tool since around 1990. My partner carries a steel rod to check overburden depth. The unit I have is an older style with amber lights for magnetics and red lights along with an audible alarm for conductive zones. Normally, if I am in a magnetic zone and place anything metal near the Beep Mat I have always gotten the conductive response. It could be something as simple as standing close to the Beep Mat with steel toed boots. It seems conductivity will override the magnetics. At one highly magnetic location, location 3, (all magnetic lights on) my partner stopped to break some outcrop. I stopped near him with our metal probe directly under the Beep Mat sensor area and I had no conductivity indication. We moved away from the location to a point where all lights were still on and placed the probe near the Beep Mat and it immediately indicated conductivity, exactly what I would expect. I tried to see if there was something about this on the GDD site and found nothing. What I did find was an article that said the Beep Mat was used at military ranges to find unexploded ordinance. The article said that while they would find many magnetic boulders the Beep Mat could differentiate between the boulder and a shell because, even though the shell was magnetic, it was also conductive and the conductivity would always show up. That confirms what I had always found until this trip.

Location of Pictures

Pictures IMG_574-75-79 are a rock from about 18 inches deep in an old pit located at location 546581E, 5403500N. Pictures IMG_572-73-76 are from a near surface sample.

Pictures IMG_576-77-78-80. This rock was picked up about 80 metres west of the previous location. I was unable to get a precise GPS fix.

Conclusions

Overall I would classify the trip as unsuccessful. We were unable to locate a single conductive zone which was my goal.

The original occurrence is at the east end of Polygon Lake. It is massive sulphides as shown in the cover picture and very easy to locate. Overall I believe the Polygon Lake area represents an excellent target for base metals. It has really received very little exploration attention. The only recorded work shows large zones of massive sulphides in both drilling and trenching. No assay data is included for that work.

Rick Angove E30099

Prospecting Trip to Polygon Lake Property Oct 23/17

6:30 AM Left Kakabeka Falls

10:00 AM Arrived at Little Turtle Road

10:15 AM Departed parking site using quads to location about 200 metres west of the mining claim.

11:30 PM Arrived on claim.

11:30 PM – 4:00 PM Prospecting

4:00 PM – 5:15 PM walk out and quad ride back to the truck.

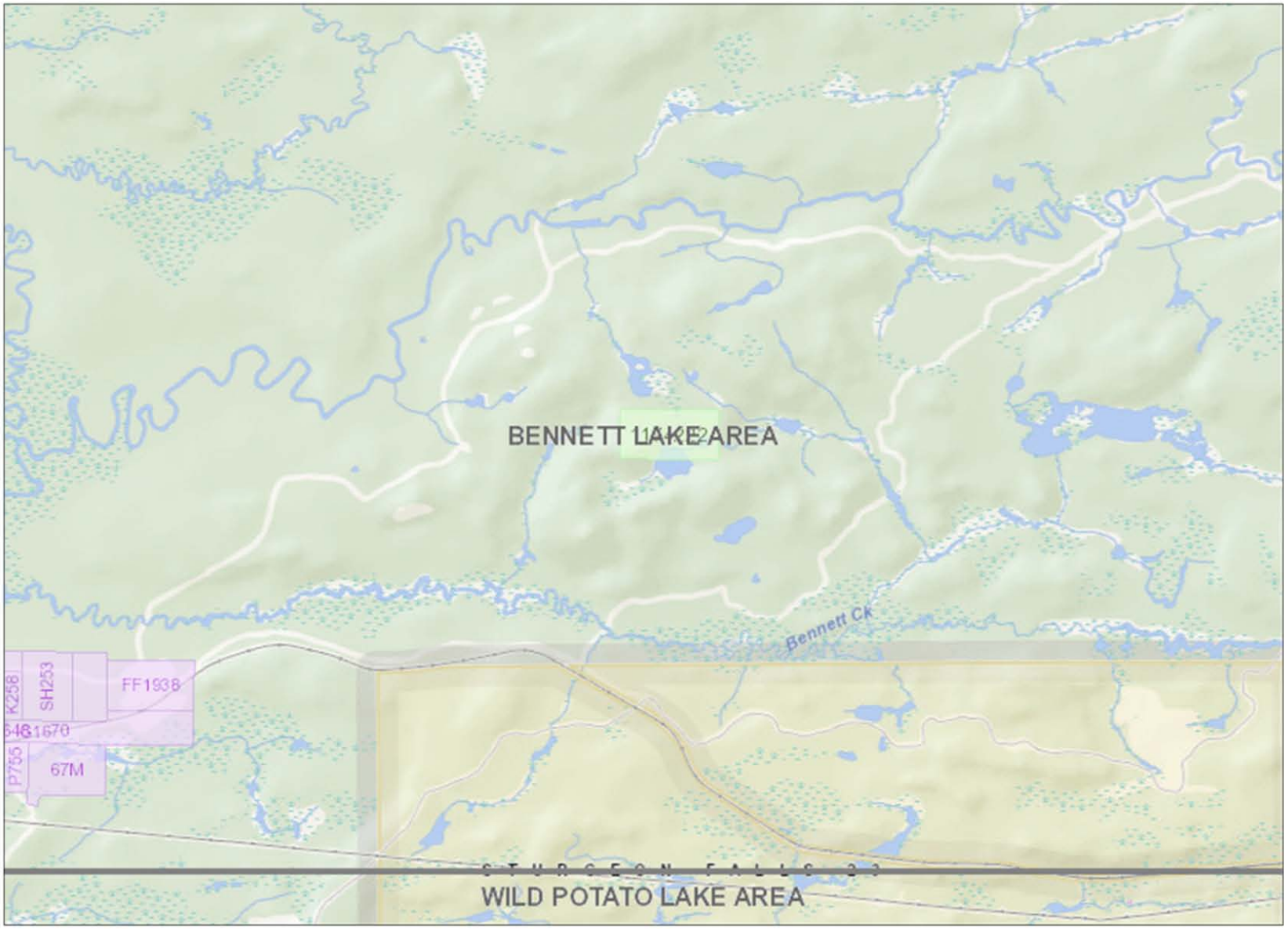
5:15 PM – 9:30 PM load up and drive back to home in Kakabeka Falls.

Ontario

MINISTRY OF NORTHERN DEVELOPMENT AND MINES
CLAIMaps

Claim Map

Notes:



Legend

Administration Boundaries
- Mining Divisions
- Resident Geologist District
- Townships and Areas
- UTM Grid
- Geographic Lot Fabric
- Other Federal Land

Mineral Tenure Grid
- OMTG Tenure Grid

Alienations
- Withdrawal
- Notice

Unpatented Claim
- Active
- Reconciled
- Pending

Disposition
- Disposition

Disposition Symbols
- Camp
- Disposition Unknown/Pending
- Freehold Patent Mining Rights Only
- Freehold Patent Surface Rights Only
- Freehold Patent Surface and Mining Rights
- Land Use Permit
- Leasehold Patent Mining Rights Only
- Leasehold Patent Surface Rights Only
- Leasehold Patent Surface and Mining Rights
- License of Occupation Mining Use Only
- License of Occupation Surface Use Only
- License of Occupation Surface and Mining Rights
- License of Occupation Uses Not Specified
- Order in Council
- Tower
- WPLA

Geology Layers
- AMIS Sites
- AMIS Features
- Drill Holes
- Mineral Occurrences

0 2.42 km

Projection: Web Mercator

N

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Ontario

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

CLAIMaps

Polygon Lake

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Prospecting Area

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- Freehold Patent Surface Rights Only
- Freehold Patent Surface and Mining Rights
- Land Use Permit
- Leasehold Patent Mining Rights Only
- Leasehold Patent Surface Rights Only
- Leasehold Patent Surface and Mining Rights
- License of Occupation Mining Use Only
- License of Occupation Surface Use Only
- License of Occupation Surface and Mining Rights
- License of Occupation Uses Not Specified
- Order in Council
- Tower
- WPLA

Geology Layers
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0 0.30 km

Projection: Web Mercator

N

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