

Baden Township-NTS 42A/02.

2013 Prospecting Program

The following is a record of the prospecting and sampling work that was carried out on Claims 3011254, 4209242, and 4271342 within the Baden Township part of the Larder Lake Mining Division. Golden Valley Mines is the recorded holder of these three contiguous claims. The field work was carried out on their behalf by Randon Ferderber of Val-d'Or, Québec and Dan Headrick of St. Fidèle, Québec.

Access

Access to the property from Matachewan is gained by travelling west and northwest along Highway 566 for about 15.8 kilometres and then turning north onto Beaudin Lake Road which is immediately east of Beaudin Lake. Travelling north from this junction for approximately 350 metres brings one to a branch road that heads east. After travelling east on this branch road for about 750 metres one arrives at a parking area on the north side of the road. ATV travel is necessary from this point on. Travel along this unmaintained track for approximately 6.5 kilometres brings one to the area of the historic Ypres Cadillac/Fondewa Gold Mines trenching and diamond drillhole workings.

Objectives

The first objective of the prospecting program was focused on locating and sampling a set of old trenches and pits that were established by Ypres Cadillac and Fondewa Gold Mines Limited in 1937 on the east side of Lower Camp Pond. The trenches and pits were blasted into a gold bearing structure that hosts "... a series of 6 narrow quartz veins occurring in a zone about 250 feet in width. These veins cut both lavas and syenite porphyry dikes (Christian and Bridger, 1938)". The No. 2 or discovery vein is the most important (Christian and Bridger, 1938). "The main vein, designated No. 2, strikes N 40° and dips 85° to the N. E. (Robson, 1938)." It is assumed that the magnetic declination at this location was not taken into account.

In 1967 H. Lovell described the surface geology of the zone that contains the above described veins as follows "Quartz stringers and lenses in volcanic rocks and syenite porphyry, and along their mutual contact, contain minor amounts of pyrite. In places the quartz is fractured, and the wallrock bleached and brecciated for about a foot on either side of the vein (Lovell, 1967)". Lovell refers to the claim group that overlaid the No. 2 vein at that time as the C.A. Floyd property and states that it was formerly known as the O'Neill Property.

The original development work on this zone is reported as follows "Christian records in his report that \$25,000 was spent by Ypres Cadillac on trenching and diamond drilling in 1937-1938. Fondewa Gold Mines took over the property in 1939 but no further work was done (Christian and Bridger, 1938)".

D.U. Kresz states “1937 Fondewa Gold Mines Limited diamond drilled 10 holes totaling 3007 feet on a gold bearing structure known as the No. 2 vein on the east side of Lower Camp Pond (Kresz, 1993)”.

“A vein called the Number 6 lies parallel to Number 2 and about 40 feet to the S.W. It consists of a weak shear containing up to 8 inches of quartz in some places. At the southwest end a pit has been sunk to a depth of 12 feet on the shear...” (Robson.1938).

The second objective was to find any evidence of the diamond drilling that was carried out by Manitou Lake Gold Mines Inc. in 1976 immediately east of the southern part of Upper Camp Pond. This drill program was in part designed to follow up on the significant gold values that DDH 4 had encountered during the drilling program of Fondewa Gold Mines Limited in 1937. The Manitou Lake Gold Mines holes were “drilled along a 350 foot strike length of the number 7 vein structure (Fondewa Gold Mines Limited hole number 4), which lies immediately north of the number 2 vein zone...” (McCannell.1976).

The third objective was to locate and sample a set of trenches that are plotted onto Map P.3235 (Kresz. 1994) and Figure 16 of Open File Report 5874 Geology of Argyle and Baden Townships (Kresz.1993). These trenches are located about midway between the No. 2 Vein and the old Arbade Mine.

The fourth objective was to prospect and sample the historic Quilty Showing. Once again the co-ordinates plotted onto Map P.3235 (Kresz. 1994) provided direction to this mineralized zone.

Sampling Method

Grab sampling was carried out according to sulphide content, important mineral ratios as well as their compositional distribution within the rocks encountered. A sample description was then entered into a field book with reference to a sequential sample book ticket number. The sample was then bagged and sealed with the numbered sample book ticket. The sample site was then marked with high visibility flagging as well as with a tag both bearing the appropriate sample number. The location was recorded using hand held non-differential GPS units set to NAD 83 for the Zone 17 co-ordinate system. All information was eventually entered into a central sample database.

References and Supporting Documentation

- Christian, J.D. and Bridger, J.R. (1946): Baden Township. Fondewa Gold Mines Limited. Ministry of Northern Development and Mines, Kirkland Lake Office of the Resident Geologist. File # KL 860.
- Gordon, J.B., Lovell, H.L., de Grijps, J.W. and Davie, R.F. (1979): Ontario Geological Survey. Mineral Deposits Circular 18, Part 2, page 189.
- Kresz, D.U. (1991): Geology of Argyle and Baden townships: Ontario Geological Survey, Open File Map 179, scale 1:20 000.
- Kresz, D.U. (1993): Ontario Geological Survey. Open File Report 5874. Geology of Argyle and Baden Townships.
- Kresz, D.U. (1994): Precambrian Geology of Argyle and Baden townships; Ontario Geological Survey, Preliminary Map P.3235, scale 1:20 000.
- Lovell, H.L. (1963): Ontario Department of Mines. Preliminary Geological Map No. P. 195. Baden Township. District of Timiskaming. Scale 1 inch to ¼ mile. N.T.S. Reference 42 A/2. G.S.C. Aeromagnetic Map 29OG.
- Lovell, H.L. (1966): Ontario Department of Mines. Map 2109. Baden and Alma Townships. Timiskaming District. Scale 1: 31,680 or 1 inch to ½ mile.
- Lovell, H.L. (1967): Ontario Department of Mines. Geological Report 51. Geology of the Matachewan Area.
- Lovell, H.L. and de Grijps, J.W. (1975): Ontario Division of Mines. Preliminary Map P.900. Kirkland Lake Data Series. Baden Township. District of Timiskaming. Scale: 1 inch to ¼ mile or 1:15,840.
- McCannell, J.D. (1976): Manitou Lake Gold Mines Inc. Baden Township Ontario. Afro: 63.3327.
- Robson, W.T. (1938): O'Neill Claims. Baden Township. Ministry of Northern Development and Mines, Kirkland Lake Office of the Resident Geologist. File # KL 2155.
-

