We are committed to providing <u>accessible customer service</u>. If you need accessible formats or communications supports, please <u>contact us</u>.

Nous tenons à améliorer <u>l'accessibilité des services à la clientèle</u>. Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez <u>nous contacter</u>.



Wallbridge Mining Company Limited



2016 ASSESMENT REPORT

- FIELD WORK -

Rudy's Lake Property

Morgan Township

Ontario, Canada

November 2016

INTRODUCTION AND TERMS OF REFERENCE

1.1 **GENERAL**

The Rudy's Lake Property covers 144 ha of footwall in the North Range of the Sudbury Structure. It is located approximately 570 m north of the SIC contact, 300 m west of the Sandcherry Creek Fault and 8.5 km east of the Fecunis Lake Fault. Many highly lucrative contact and footwall deposits are located along the SIC contact southwest of the property (McCreedy East and West, Fraser, Craig, Strathcona, Levack, etc.).

This report has been updated by Marshall Hall for Wallbridge Mining Company Limited and summarizes previous work and work completed in 2016 on mining claim 1225797.

1.2 SOURCES OF INFORMATION

A complete list of the material reviewed is provided at the end of this report.

1.3 UNITS AND CURRENCY

Metric units are used throughout this report. Assay and analytical results for precious metals and platinum group elements ("PGE"), such as platinum ("Pt"), palladium ("Pd"), silver ("Ag") and gold ("Au") are quoted in grams per metric tonne ("g Pt/t", "g Pd/t", "g Ag/t", "g Au/t"). Total precious metals ("TPM") are combined platinum + palladium + gold assays and are reported as "g TPM/t". Analyses for base metals such as zinc ("Zn"), copper ("Cu") and lead ("Pb") are reported in weight percent as % Zn, % Cu and % Pb.

All dollar amounts are expressed as Canadian dollars.

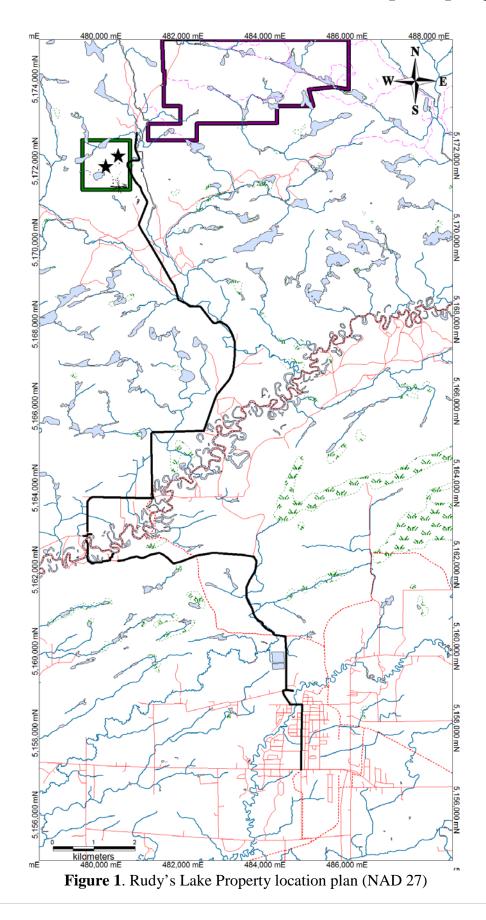
2 DISCLAIMER

Third party contractors performed geophysical surveys and analytical work for Wallbridge on the Rudy's Lake Property. Although, Wallbridge has made every reasonable effort to ensure data quality, it cannot absolutely guarantee the data integrity. Based on its review of third party data, Wallbridge has no reason to believe that significant errors in the data exist.

3 PROPERTY DESCRIPTION AND LOCATION

The Rudy's Lake Property is located in Morgan Township, approximately 30 km northwest of Sudbury and about 15 km north of Chelmsford up the Nickel Offset Road (NTS Area 41-I/11) (Figure 1). The property is composed of one unpatented claim totalling 9 units over 144 hectares of land (Figure 2 and Table 1). The lands included in this project are wholly owned and operated by Wallbridge. The claim is in good standing until January 27, 2017 (**Error! Reference source not found.**).

| Claim number | | township | area (ha) units | recorded holder | recorded date | work due date | Status | work (\$) required | work (\$) reserve |
|--------------|----------|----------------|-----------------|--------------------|------------------|------------------|--------|-----------------------|----------------------|
| 1225797 | isolated | Morgan | 144 9 | WMCL | 27-Jan-1999 | 27-Jan-2017 | Α | 3,600 | 135 |
| | | Project totals | 144 ha | | | | | 3,600 | \$135 |



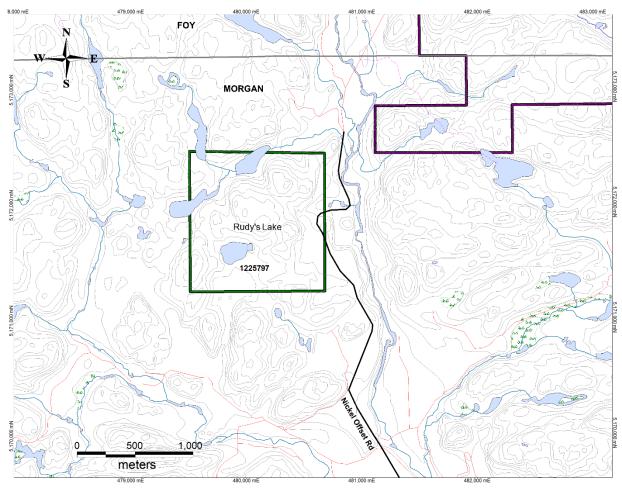


Figure 2. Rudy's Lake Property map (NAD 27)

4 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Provincial highways and a Canadian Pacific rail line access the town of Chelmsford 15 km south of the property. The property is accessible by taking the Nickel Offset road north from Chelmsford. The Nickel Offset road is paved near town, but the paving ends 2.9 km north of Chelmsford and from here in the road is rough and not easily passable other than with a four wheel drive vehicle. There are three fords on this road, the first and second fords cross Sandcherry Creek at 4.7 km and 5.6 km respectively. The third ford crosses Island Creek, a tributary to Sandcherry Creek, 6.9 km from the Nickel Offsets Road turn off in Chelmsford. The Nickel Offset road passes immediately east of the property and continues to the north. An

ATV trail into Rudy's Lake gives good access to the south eastern corner of the property from Nickel Offset road. Travel time from Wallbridge's offices in Lively, to the property is approximately 2 hours.

The property is typified by rolling hills with interceding low to swampy areas. The local drainage flows east and south into the Sandcherry Creek.

Bedrock is generally weakly exposed on the property. Wallbridge estimates that the property area is comprised of approximately 10-15% outcrop, 45% water, and 40% swamp and glacial moraine. The land area is generally covered with 1 to 3 m of glacial till with scattered large granitic glacial float up to 4m in size. The outcrops are commonly rounded, smooth knobs with maximum dimensions of 120 by 10 meters.

Vegetation consists of spruce, white pine, red pine, jack pine, poplar, and maple, with alder, cedar and white ash more commonly occurring in the low wet areas. Marshy areas are found along the northern half of the baseline.

5 HISTORY

5.1 WORK HISTORY PRIOR TO WALLBRIDGE

In 1953, prospector T. Mungovan carried out ground magnetic surveys. The survey was initiated in order to map magnetic anomalies that were thought to reflect concentrations of nickeliferous pyrrhotite. Ground prospecting followed up the anomalies. No significant mineralization was discovered to be associated with any of the mapped magnetic anomalies.

Between 1968 and 1972, Falconbridge Limited drilled seven holes totalling 2,659 feet, in the S¹/₄ of the N¹/₂, lot 10 and the NW¹/₄ of the N¹/₂, lot 11, concession 5, located ~1 km west of the property (**Error! Reference source not found.**). These holes intersect several varieties of felsic and mafic Archean gneisses and pyroxene bearing dykes. Minor sulphide mineralization was recorded in the drill logs without any information on assaying which might have been carried out.

In 1970, Inco drilled twelve holes totalling 11,498 feet, in lot 8 of concession 4, in lots 7, 8 and 9 of concession 5, and in lots 5 and 6 of concession 6, located within and to the north-east of the property (**Error! Reference source not found.**). These holes intersected granite gneisses, SIC norite, and footwall breccia with some sulphide mineralization. No assay data are filed.

In 1980, Falconbridge Limited carried out an airborne magnetic and electromagnetic surveys in lots 11 and 12, concessions 5and 6, located to the north-west from the property. The purpose of the survey was to prospect for massive base metal mineral deposits. Based on these surveys three conductive zones were recommended for the follow-up ground geophysical work.

In 1987, Noramco Explorations Inc. contracted helicopter borne airborne geophysical surveys in Levack and Morgan townships, the eastern extent of the survey encompassed the Rudy's Lake property area. Total field magnetic and VLF electromagnetic surveys were completed. A

logistics report and maps were provided for the property. The survey results were used primarily to help map the lithology and structure of the area surveyed. In 1988, Noramco Explorations Inc. prepared a geological report where they recommend continuing geological and geophysical surveys of several linear anomalies striking 070°. The importance of this structural direction (070°) stressed in the relationship with high-grade Cu zone veins in the footwall at Strathcona Mine.

In 1988 and 1989 Crimsonstar Resource Ltd./Noramco Exploration Ltd. drilled two holes totalling 363.4 m, in lots 8 and 10 of concession 6, north of the property (Figure 3).

5.2 WALLBRIDGE WORK HISTORY

Work performed by Wallbridge Mining is summarized in Table 2 and described below.

In 1999, Wallbridge contracted Geoterrex-Dighem Limited (now Fugro Airborne Surveys) for an airborne electromagnetic (EM) survey. A high-resolution time domain EM survey (GEOTEM III) was preformed, with accompanying high-resolution magnetic data. This survey covered the entire property with lines spaced every 200 metres and a flight line azimuth of 330°. The survey was designed to detect conductive bodies to depths of 300 metres however, no significant EM anomalies were identified in the claim block.

Mapping, sampling, and an audio-frequency magnetotelluric (AMT) survey were conducted on the property during the 2000 field season. A total of 6.622 line kilometres were cut for the AMT survey; 5 lines oriented north-south, and an east-west baseline. Geosystems SRL of Milan, Italy, conducted the AMT survey in October 2000, and submitted a final report in September 2001. No significant anomalies were identified from the AMT survey.

In June 2002, Geoserve Canada Ltd. was contracted for line cutting and a ground magnetic survey. An east-west oriented grid was cut into the property totalling 15.85 line kilometres, with a north-south baseline cut along the east side of the property.

In July 2002, Lamontagne Geophysics Inc. completed a UTEM 3 electromagnetic survey with a total of 6.275 km of in-loop data collected.

In September 2002, Quantec Geoscience Inc. completed a 12.3 kilometre gradient array time domain induced polarization (IP) survey over and around the property. Numerous anomalous zones were identified by the contractor.

A more detailed mapping and sampling program was carried out in 2002, and ground-truthing of the IP anomalies occurred after the mapping program. Previous work by the Company is outlined in Table 2.

Work carried out in 2005 was restricted to prospecting of a northeast trending structure in the northern part of the property and a re-examination of the Bait Occurrence.

Mapping and prospecting in 2009 focused on finding more Quartz Diorite (QD) outcrops within the southern part of the property.

In 2010, Attila Péntek (Project Geologist) and Györgyi Tuba (Field Geologist) filled in gaps of mapping in the southern portion of claim 1225797 at 1:2,000. Stripping of moss was performed on many earlier mapped outcrops to find additional exposures of Sudbury Breccia and Quartz Diorite. They also spent six days high pressure washing on three selected outcrops where QD was found in earlier years. The outcrops were cleared of shallow overburden and moss cover. Washing the outcrops resulted in a better understanding of the occurrence and emplacement mechanism of QD on the property.

In July 2013, Wallbridge contracted Geotech Ltd. to fly a VTEM survey over the Rudy's Lake property. Three very weakly anomalous zones were detected.

July of 2014 underwent a short mapping and beepmatting program to follow up the 2013 VTEM conductors. No explanation for the anomalies was reported.

| Year | Geologist | Mapping | Samples | Thin Sections | Geophysics |
|------|------------------|---------|---------|---------------|-------------|
| 1999 | n.a. | none | 0 | 0 | GEOTEM |
| 2000 | Christina Wood | 1:5000 | 88 | 88 | AMT |
| 2002 | Paul Geddes | 1:2500 | 29 | 30 | IP, UTEM |
| 2005 | Joerg Kleinboeck | none | 2 | 0 | none |
| 2009 | Attila Péntek | 1:2000 | 0 | 0 | none |
| 2010 | Attila Péntek | 1:2000 | 8 | 0 | none |
| 2013 | Attila Péntek | None | 0 | 0 | VTEM |
| 2014 | Nicholas Wray | 1:2000 | 4 | 0 | Beepmatting |

Table 2: Previous work by Wallbridge Previous work by Wallbridge

6 GEOLOGICAL SETTING

6.1 **<u>REGIONAL GEOLOGIC SETTING</u>**

The Rudy's Lake property is located on the North Range of the Sudbury Structure, 570 m north of the SIC contact. The area is dominated by strongly deformed, amphibolite facies, tonalite- to granodiorite-gneiss of the NeoArchean Levack Gneissic Complex (LGC; ~2700-2640 Ma), with local Paleoproterozoic Matachewan diabase dyke segments (2473 +16/-9 Ma and 2446 \pm 3 Ma; Heaman, 1997), and Mesoproterozoic olivine diabase of the Sudbury Dyke Swarm (1238 \pm 4 Ma; Krogh et al., 1987; 1235 +7/-3 Ma; Dudás et al., 1994) cutting the gneisses.

Sudbury Breccia, a pseudotachylite created from the shock wave associated with the 1850 Ma Sudbury Event, occurs as irregular veins and belts in the footwall rocks of the SIC. Footwall Breccia (or Late Granite Breccia), an impact breccia, occurs irregularly about the SIC contact. Footwall rocks proximal to the SIC have undergone contact metamorphism, apparent as intense recrystallization and partial melt features, due to the heat from the overlying melt sheet (the SIC). The proximity of the property to the contact of the SIC in a structurally complex area suggests the possibility of more proximal footwall type deposits similar to McCreedy East. The northern end of the property also holds potential to host mineralization analogous to the Strathcona Deep Copper deposit.

The property is located 300 m west of the Sandcherry Creek Fault, a major north-south trending fault structure that sinistrally offsets the SIC and footwall rocks (Figure 3). Movement on the Sandcherry Creek Fault, like the Fecunis Lake Fault, occurred post-crystallization of the SIC. Immediately south of the property, a series of splays off the Sandcherry Creek Fault further displace the SIC and surrounding rocks; these faults are interpreted to be have been active while the SIC was still warm, however they may be more hypothetical than real (E. Pattison, personal communication).

The property is situated in the Pumphouse Creek Deformation Zone (PCDZ), which occurs in the Levack Gneiss and Cartier Granite a few kilometres north of the SIC contact, trends east-northeast, and is abruptly terminated at a perpendicular intersection with the Sandcherry Creek Fault (Figure 4). Card (1994) described the zone as a topographic lineament along Pumphouse and Windy creeks, with brecciation, shearing and quartz veining near the Levack Gneiss-Cartier batholith contact, offset of lithological units, and changes in foliation trends in the gneisses.

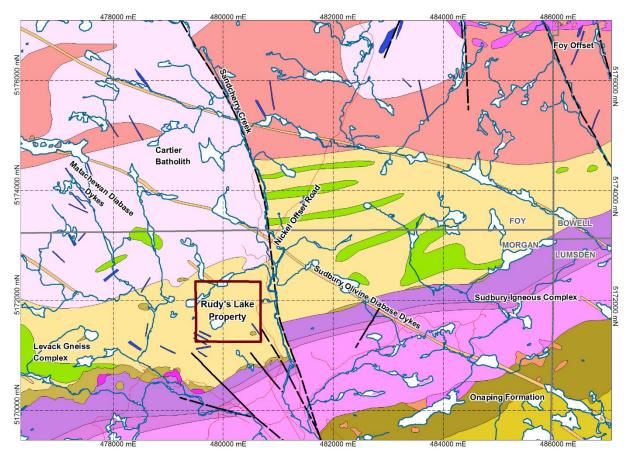


Figure 3. Regional geology map (from GSC Open File 4570).

The Pumphouse Creek and Benny deformation zones have been described as similar to the South Range deformation zone (Card, 1994), possibly implying a genetic association (**Figure 4**). Card (2005) suggests "the BDZ and PCDZ probably belong to a system of thrust faults that resulted in northward-directed regional tectonic transport and NW-SE shortening of the Sudbury Structure."

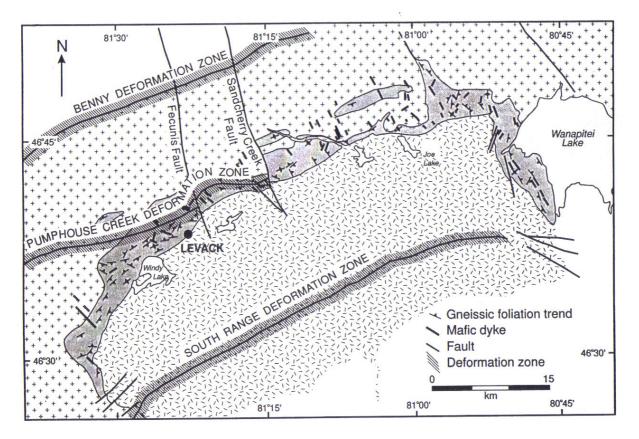


Figure 4. Deformation zones in the Sudbury area (from Card, 1994).

6.2 **PROPERTY GEOLOGY**

The regional bedrock geology compilation put out by the Geological Survey of Canada (Open File 4570) indicates that the Rudy's Lake Property is underlain by tonalite- to granodioritegneiss of the Levack Gneiss Complex (Ames et al., 2005). Mapping by Company geologists shows greater subdivision of the gneisses, with granite gneiss and diorite gneiss predominate in the northern half of the property, and partial melt diorite dominating the southern half. Locally quartz monzonite, diabase, amphibolite, Sudbury Breccia and QD (quartz diorite) have been reported as well (Map Sheet 1).

The large percentage of partial melt diorite makes the southern part of the property the most interesting geologically, and the most prospective in terms of mineralization. The gneisses are migmatitic with leucosomes of trondjhemitic material banded sub-parallel to the SIC contact. Sudbury Breccia locally comprises 100% of exposures in the southern half of the property.

Christina Wood described small (<1m wide) irregular bodies of "basic norite Sublayer" in partially melted granitic rocks in the southeast quadrant of the property, trending sub-parallel to the SIC contact around L1400N. Petrographic review of the thin sections (W-00-289, W-00-290, and W-00-362) reveals that the samples are actually QD. They are generally composed of extensively sausseritized plagioclase, quartz-feldspar granophyric intergrowths, stellate amphibole partially to completely altered to chlorite, and elongate apatite crystals (**Error! Reference source not found.**).

Regional reconnaissance along the Sandcherry Creek fault led to the discovery of another QD occurrence, 60 m east of the property, striking east-west. This occurrence, partially covered by overburden, was estimated to be approximately 25m wide. No sulphide mineralization was found at surface. This occurrence is located about 400 metres north of the outcrops along L1400N, on what appears to be the limit of the partially melted rocks.

7 MINERALIZATION

Isolated pods (boudinaged horizons less than 1m in thickness) of well foliated pyroxenite occur locally as foliation-bound units within the intermediate gneisses. These pods and rafts locally contain up to 2% disseminated pyrite/pyrrhotite and are retrograded to greenschist facies assemblages.

At the 'Bait' occurrence, anomalous values up to 0.18% Cu+Ni (combined) occur as fine-grained disseminations associated with pyrrhotite in retrograded pyroxenite rafts and diorite gneisses. The gossanous area is approximately 10x10m, locally containing up to 3% pyrite and pyrrhotite. Elevated Ag values (0.58g/mt) may be indicative of a hydrothermal component to the occurrence although do not dictate such a mode of emplacement.

8 EXPLORATION PROGRAM

8.1 **INTRODUCTION**

Prospecting was carried out as follow up to the previously unexplained VTEM anomalies. Focus was put on peeling moss to expand outcrops and identify hidden mineralization.

8.2 WORK CARRIED OUT

8.2.1 PROSPECTING AND SAMPLING

In mid-November 2016 geologist Shannon Baird and student geologist Mike Goble performed 1 day of prospecting over the property. They accessed the property through the use of a pickup truck, trailer, and two quads. Maps were produced at a scale of 1:2000 with the use of Garmin E-trex GPS, and compasses for navigation. They prospected around known VTEM anomalies with focus on known outcrops where they peeled moss on outcrop edges and broke rock to identify any mineralization in the area. Following this geologists Shannon Baird and Marshall Hall performed a half day follow up on the mapping with a ferrous iron detector (bar finder).

8.3 **RESULTS**

Mapping and prospecting around one of the VTEM anomalies revealed no substantial mineralization. No samples were taken as follow up and the cause of the conductor remains to be determined. Outcrops in the area are all part of the Levack Gneiss Complex with minor amounts of Sudbury breccia (Figure 5). The bar finder survey over the outcrops did not detect any ferrous iron that could be related to Sudbury style mineralization.

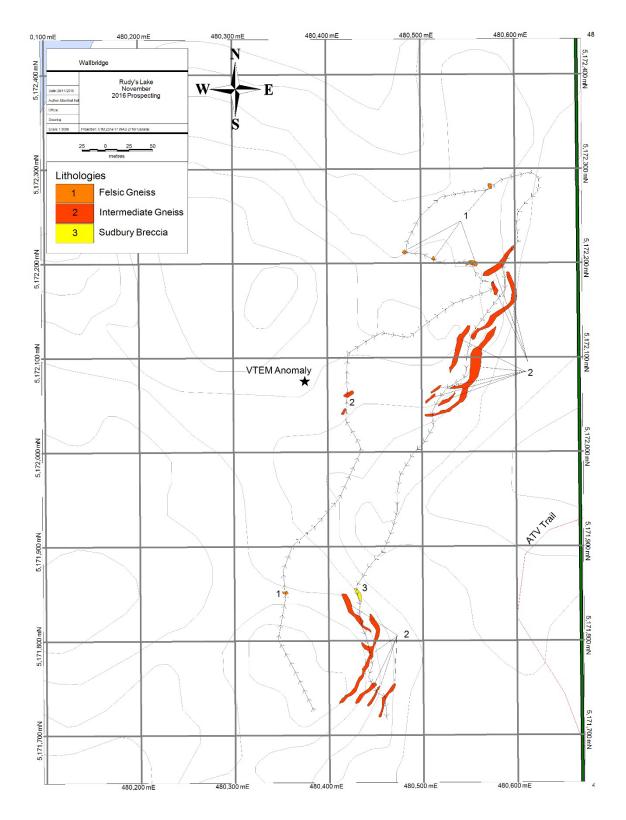


Figure 5: 1:3000 map of area prospected in November 2016 (NAD 27)

9 **RECOMMENDATIONS**

To date no economically significant concentrations of mineralization have been observed on the property. The presence of a Quartz Diorite Offset dyke within a recrystallized Sudbury Breccia zone in the proximal footwall of the SIC is similar to footwall mineralized environments elsewhere around the Sudbury Basin. For that reason the property warrants further exploration work. This may include more detailed mapping and beepmatting of the known QD and Sudbury breccia outcrops or large loop ground EM survey and drilling.

10 QUALIFICATIONS

I, Marshall Hall, do hereby certify that:

- 1. I reside at 552 Phillip St, Lively, Ontario, P3Y 1N1.
- 2. I graduated from Laurentian University (Sudbury, Ontario) in 2014 with a B.Sc.H. and am finishing my M.Sc. at Laurentian University.
- 3. I am currently employed as a Project Geologist with Wallbridge Mining Company Limited.
- 4. I am a licensed Ontario prospector, No. 1013626.
- 5. This technical report has been prepared by myself and other members of Wallbridge staff.

As an employee, and an insider, of Wallbridge Mining Company, I do not qualify as an independent Qualified Person.

Marshall Hall

12 References

Ames, D.E., David, A., Buckle, J.L., and Card, K.D.

2005 Geology, Sudbury bedrock compilation, Ontario. Geological Survey of Canada, Open file 4570 map scale 1:50,000.

Card, K.D.

- 1994 Geology of the Levack gneiss complex, the northern footwall of the Sudbury structure, Ontario. Current Research 1994-C; Geological Survey of Canada, p. 269-278.
- 2005 Sudbury Guidebook: Geology of the Superior Province in the Sudbury Region. Unpublished guidebook for Wallbridge Mining Company Limited.

Dudás, F.O., Davidson, A., and Bethune, K.M.

1994 Age of the Sudbury diabase dykes and their metamorphism in the Grenville Province, Ontario. *In* Radiogenic age and isotopic studies: report 6. Geological Survey of Canada, Paper 1994-F, p. 97-106.

Grant, J.

- Heaman, L.M.
 - 1997 Global mafic magmatism at 2.45 Ga: remnants of an ancient large igneous province? Geology, vol. 25, p. 299-302.

Krogh, T.E., Corfu, F., Davis, D.W., Dunning, G.R., Heaman, L.M., Kamo, S.L., Machado, N., Greenough, J.D., and Nakamura, E.

1987 Precise U-Pb isotopic ages of diabase dykes and mafic to ultramafic rocks using trace amounts of baddeleyite and zircon. *In* Diabase Dyke Swarms, Geological Association of Canada, Special Paper 34, p. 147-152.

Ontario Ministry of Northern Development and Mine Diamond Drill Hole Database (November 2005 version).

Falconbridge Limited

1968 Diamond Drill Logs (Assessment File: Morgan-0011-B1).

1980 Report on an Airborne Magnetic and Electromagnetic Survey, Morgan West Area, Sudbury, Ontario (Assessment File: Morgan-0015).

Geddes, P.

2002 Report on the 2002 Exploration Program on the Rudy's Lake Property, Morgan Twp., Sudbury Ontario, for Wallbridge Mining Company Ltd.

²⁰⁰⁵ East Range Tour: Field Trip Guide. Falconbridge Ltd.

INCO

1970 Diamond Drill Logs (Assessment File: Morgan-0010).

Kleinboeck, J.

2005 Field notes for Wallbridge Mining Company Limited.

Langridge, R.

2002 Logistics Report on a UTEM 3 Survey Rudy's Lake Project 2002 Grid, Sudbury, Ontario, for Wallbridge Mining Company Ltd., by Lamontagne Geophysics Ltd.

McNeice, G.

2000 AMT Survey, Rudy Lake Project, Morgan Township, Ontario: Operational Report, Volume 1/1, prepared for Wallbridge Mining Company Ltd., by Geosystem Canada Inc.

Muir, T.L.

1983 Geology of the Morgan Lake - Nelson Lake area, District of Sudbury. Ontario Geological Survey, Open File Report, OFR 5426.

Mungovan, T.

1953 Geophysical Report, Morgan Township (Assessment File: Morgan-0013-A1).

Péntek, A., Molnar F., Watkinson, D.H., Jones, P.C., and Mogessie, A.

2009 Partial melting and melt segregation in footwall units within the contact aureole of the Sudbury Igneous Complex (North and East Ranges, Sudbury structure), with implications for their relationship to footwall Cu–Ni–PGE mineralization.

Noramco Explorations Inc.

- 1987 Logistic Report on Combined Helicopter-borne Magnetic and VLF-EM Survey, Sandcherry Creek Area, Sudbury, Ontario Diamond Drill Logs (Assessment File: Levack-SP001).
- 1988 Geological Report, Sandcherry Creek Property, Levack, Morgan and Foy Townships for Chrimsonstar Resources Inc. (Assessment File: Levack-SP002).

Warne, G., et. al.

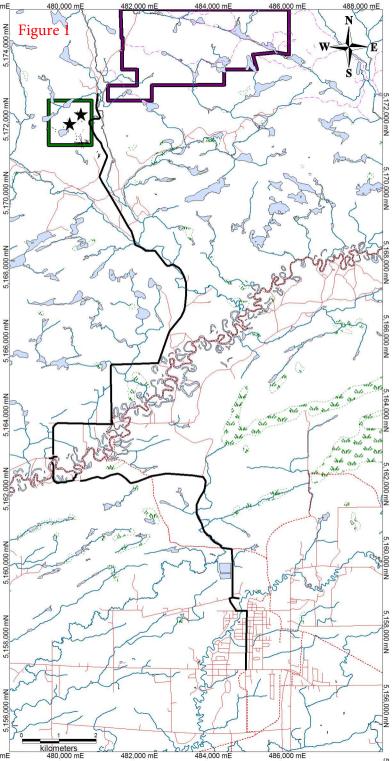
2003 Geophysical Survey Assessment Report Regarding the Gradient TDIP and Resistivity Surveys over the Rudy's Lake Property, Morgan Twp., on behalf of Wallbridge Mining Company Ltd., by Quantec Geoscience.

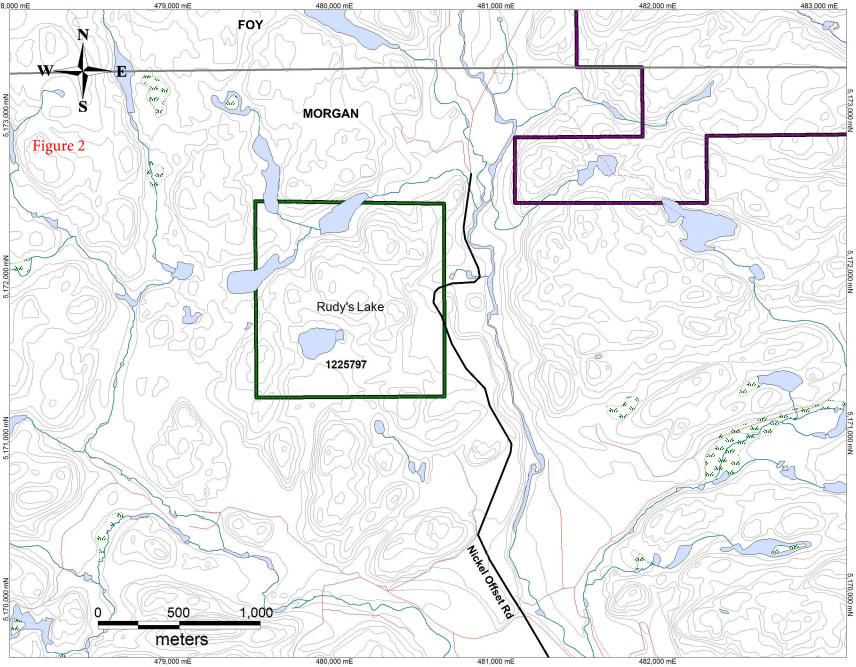
Watts, D.

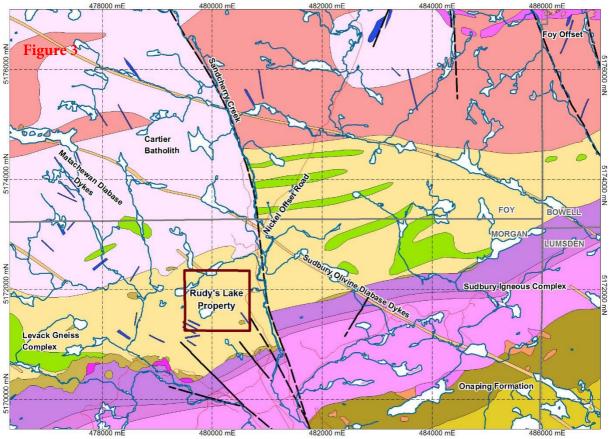
2001 AMT Survey, Rudy Lake Project, Morgan Township, Ontario: Final Report, Volume 1/1, prepared for Wallbridge Mining Company Ltd., by Geosystem Canada Inc.

Wood, C., et. al.

2000 August-September 2000 Geological Mapping, Rudy's Lake, Morgan Township, Sudbury Region, Ontario, NTS Area 41-I-1







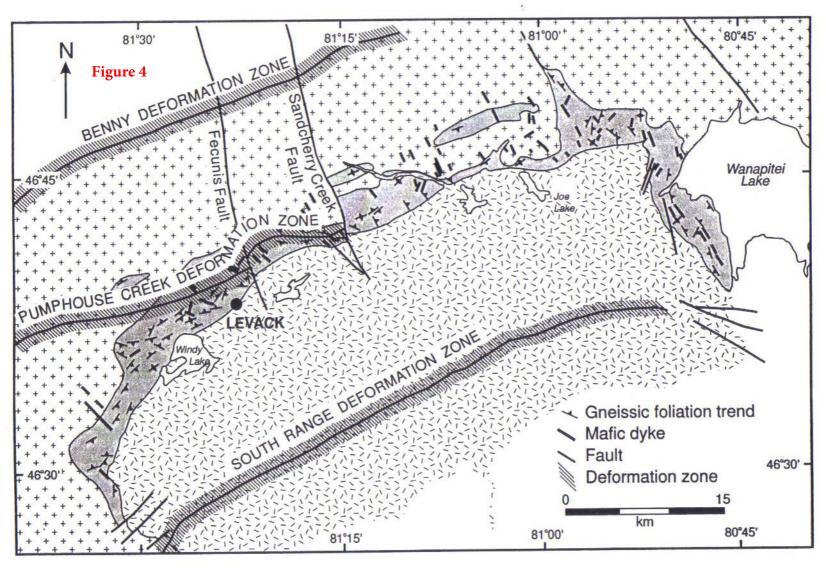


Figure 5

