Assessment Report
on the
Panet Property
Panet Township
Porcupine Mining Division
Ontario
For
Kapuskasing Gold Corp.

by Garry Clark, P. Geo.

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#### Introduction

This report is for the filing of assessment work for Kapuskasing Gold Corp. Clark Exploration was contracted by Kapuskasing Gold to conduct a surface exploration program on their Panet Property. The Panet Property was staked to cover high metamorphic grade rocks that may contain gold mineralization similar to Goldcorp's Borden Gold Project. The Borden Gold Project is described similar to other gold mineralized zones in the Abitibi Subprovince but is contained within the Kapuskasing Structural trend that is a high grade metamorphic zone believed to by uplifted relative to rocks east and west.

## **Property Description and Location**

The Panet property is comprised of 8 contiguous claims (128 units) staked in Panet Township (Figure 1). The total area of the property is 2,048 hectares that is located on logging roads that depart northward from Poplar St. in the town of Chapleau. Taking the logging road northward the southern boundary of the claims is approximately 5 kilometres. The logging road cross cuts the property providing excellent access. The property is within the Porcupine Mining Division, Ontario. The property was acquired to cover rocks believed to be potential to host gold mineralization.

Claim numbers and land tenure are listed on Table 1 below. The claims making up the property are shown on Figure 2.



Figure 1: Panet Property (referred to as Borden North), Location Map

Table 1: PORCUPINE Mining Division KAPUSKASING GOLD CORP

Township	Claim Number	Recording Date	Claim Due Date	Work Required
MARSHALL	<u>4267166</u>	2014-Mar- 13	2016-Mar-13	\$ 6,400
PANET	4267167	2014-Mar- 13	2016-Mar-13	\$ 6,400
PANET	4267170	2014-Mar- 13	2016-Mar-13	\$ 6,400
PANET	4268595	2014-Apr- 09	2016-Apr-09	\$ 6,400
PANET	4268596	2014-Apr- 09	2016-Apr-09	\$ 6,400
PANET	4268597	2014-Apr- 09	2016-Apr-09	\$ 6,400
PANET	4274726	2014-Apr- 09	2016-Apr-09	\$ 6,400
PANET	4274727	2014-Apr- 09	2016-Apr-09	\$ 6,400

# Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Golden Route Property is situated in Northeastern Ontario, north of Lake Huron and Sault Ste. Marie (see Figure 1). The property lies approximately 220 km southwest of Timmins, 200 km northeast of Sault Ste. Marie and 400 km east of Thunder Bay, Ontario.

The property can be reached via Highway 101, which extends eastward from the Municipality of Wawa through Timmins to the Quebec border. The highway connects to 101 connects to highway 129 that leads to the Town of Chapleau. From Chapleau follow Poplar Street west for approximately 1.5 kilometres then northward on logging roads to the claims.

The property is characterized by low, relatively flat, well-drained topography, with numerous small lakes and streams often bordered by minor wetlands. Satellite imagery suggests that tree cover consists mainly of pine and spruce where not clear-cut. Extensive forestry operations have been carried out in recent years on the claims, resulting in widespread clear-cut areas or areas of young tree growth.

The area exhibits a northern boreal climate, with short, warm summers and cold winters with moderate snowfall. Freezing temperatures can be expected from late October through mid-May. Exploration and mining activities should be able to be carried out year-round.

The area is serviced by Highway 101, which extends east to Timmins and Matheson, where it intersects Trans Canada Highway 11, and west to Wawa where it joins Trans Canada Highway 17. Rail transportation is available via the Canadian Pacific main line that runs through Chapleau and the Canadian National main line that runs through Foleyet. Small airports are present at Chapleau and Wawa.

#### **History**

The Panet property has limited assessment work described below. The only geological information is from the Ontario Geological Survey (OGS) or Geological Survey of Canada. The property was staked to cover potential Abitibi rocks that are interpreted by the OGS geoscience.

Reconnaissance mapping of the area was carried out during 1970 by P. Thurston, G. Siragusa and R. Sage of the Ontario Geological Survey as part of Operation Chapleau. Results were published in 1971 (Thurston et al., 1971).

In 1990, Macjo Resources completed a single drill hole in the western portion of claim 4268595. The hole was drilled to 84.75 feet with a description of granite and barren quartz veins. Assays were not submitted in the assessment file. Why the hole was drilled is unknown.

In 1992, Mike Tremblay completed a limited regional prospecting program on claims 4267167, 4274727 and 4268597. The work was supported by Ontario Prospectors Assistance Program funding and was limited to a few traverses in cut over areas and failed to locate significant outcrop.

The property area makes up the northwestern corner of a series of geophysical, geochemical and geological compilation maps prepared jointly by the Geological Survey of Canada and the Ontario Geological Survey of the Ontario Ministry of Northern Development and Mines published in 1995 (Harris and Wilkinson and Wilkinson and Harris, 1995).

#### **Geological Setting and Mineralization**

The Panet property lies within the Kapuskasing uplift in north central Ontario. The Kapuskasing uplift is a northeasterly striking, 500 km long structure exposing high grade gneissic rocks.

According to Leclair et al, 1993 "The uplift includes crustal blocks from 30 km paleodepth, interpreted as the hanging wall of a large Paleoproterozoic thrust structure (Percival, 1980) dissected by steep, crustal-scale, dip-slip faults (Percival and McGrath, 1986; Leclair et al., 1991) and subsequently affected by dextral transcurrent motion (West and Ernst, 1991: Bates and Halls, 1991)".

General geology of the property and immediately surrounding area is defined on the 1:250,000 OGS geology map as metasedimentary rocks (paragneiss and migmatites) in the north of the property and gneissic tonalite in the south.

At the Borden Gold Project of Goldcorp, situated approximately 60 km to the east-northeast of the Golden Route property, exploration continues on a shallow-dipping, moderate to high grade gold mineralized system hosted by a metaconglomeratic sequence of rocks. The Borden Lake conglomerate belt is interpreted by Leclair et al., 1993, as part of a western extension of the Larder-Cadillac fault zone within the Kapuskasing uplift. The Larder-Cadillac fault zone would, therefore, be interpreted to extend west through the Kapuskasing uplift, to the Goudreau Lake deformation zone north of Wawa. Locally the Borden Lake conglomerate is interpreted to strike eastward to the Borden North property and may lie within the sequence of metasediments and tonalitic gneisses, noted above, which occur on the property.

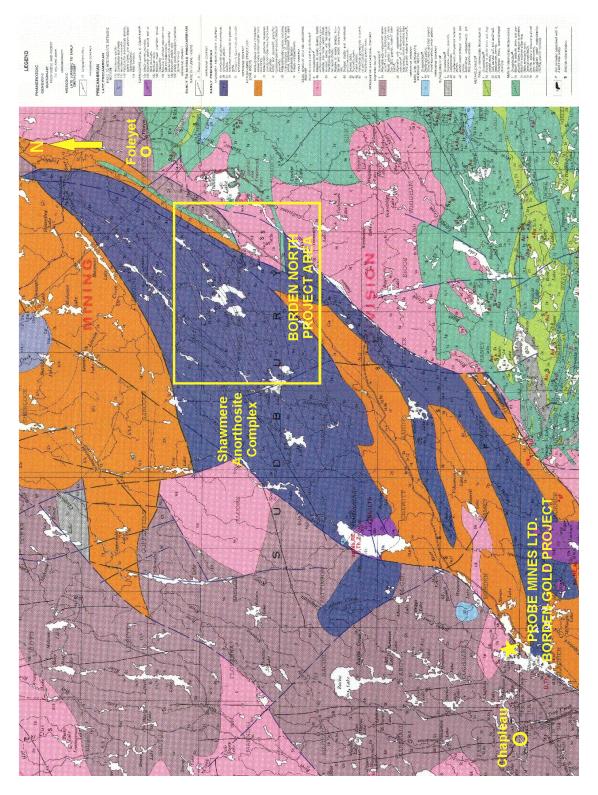


Figure 3. Regional Geology showing location of Borden North Property, after OGS Map M2221.

#### **Deposit Types**

The target mineralization on the Panet property will be similar to that of the Borden Gold project, situated approximately 60 km to the west-southwest. At Borden Gold, significant gold mineralization occurs within a sequence of feldspar, chlorite and biotite altered metasedimentary horizons and minor felsic to intermediate intrusions. Gold is associated with variable amounts of pyrite and pyrrhotite mineralization. There is no quartz veining associated with the gold mineralization. At Borden Gold the mineralized zone, which ranges up to 170m in true thickness, strikes east-southeasterly, dips -45° to the north and plunges approximately -15° to the east.

Published 43-101 open pitable resource estimates of the original, land-based portion of the mineralized horizon contained average grades in the 1.0 g/t gold range. Recently, drilling to the east beneath the waters of Borden Lake has intersected significantly higher gold grades. Further discussion of Borden Lake resource estimates is presented in the section titled Adjacent Properties, below.

It has been postulated (Leclair et al., 1993) that the gold-bearing metasedimentary horizons on Borden Lake strike east-northeastwards onto the Borden North property.

### **Adjacent Properties**

The Borden Gold deposit, situated about 60 km to the south-southwest of the Borden North property, is the nearest significant gold deposit, as well as being the target model for exploration on Panet property. The general geology and mineralization of Borden Gold are described under Deposit Types, above.

The last published 43-101 compliant resource estimate was prepared by Micon International Ltd. in 2012 (Murahwi, 2012). Micon's resource estimated, using a 0.30 g/t Au cutoff, was:

Indicated: 176,959,000 tons with average grade 0.71 g/t Au for a total of 4,051,000 contained ounces gold

Inferred: 90,817,000 tons with average grade of 0.62 g/t Au for a total of 1,796,000 contained ounces gold.

In January 2013 Probe released the results of a revised, pit constrained resource estimate completed by P. and E Mining Consultants Inc. This resource estimate was part of a 43-101 compliant preliminary economic assessment of the mineral deposit, focusing on the open pit potential. To the author's knowledge, this report has not yet been made available to the public and the updated resource estimate is not reported here.

Probe Mines was acquired by Goldcorp who are presently drilling off the project to determine if there is an economic gold deposit.

## **2015 Exploration Program**

Between November 11 and November 21, 2015, Mike Tremblay was contracted through Clark Exploration to conducting a prospecting and sampling program on the Golden Route Property. A total of 1 sample was taken and did not return any significant gold assays.

Appendix A contains daily logs, Appendix B contains Sample Descriptions, Appendix C contains Abbreviation Definitions, Appendix D contains Assay Certificates and Appendix E contains outcrop descriptions and Appendix F contains a field map.

## **Interpretation and Conclusions**

The Panet property may be underlain by similar stratigraphy to that which hosts significant gold mineralization being actively explored by Goldcorp on the Borden Gold deposit situated approximately 15 km to the east-northeast. The field program was unable to fully explore the projects potential due to time constraints.

To date the Panet property has been subject only to reconnaissance prospecting. No mineral occurrences have been reported on the property but there is a good network of logging trails and roads.

## Recommendations

The economic potential of the property will be related to whether the mineralized metasedimentary horizon hosting gold on the Borden Gold property of Goldcorp, extends westwards onto the property.

In order to test this scenario a further prospecting and rock geochemical sampling is recommended. This will entail a field crew consisting of a prospector and assistant. Rock geochemical samples should be collected from each outcrop noted, and analyzed for a gold and a suite of other gold pathfinder elements.

#### References

- Assessment Files 1990 and 1992: Macjo Resources and Tremblay
- Andrews, O. E. G., 1999: Final Interpretation Report, for a Combined Helicopterborne Magnetic and Electromagnetic Survey of the SW Property, Foleyet, Northern Ontario, carried out on behalf of Marl Resources Corporation, by High-Sense Geophysics Limited. Ontario Ministry of Northern Development and Mines, AFRI 42B07SE2001.
- **Ayer, J. A., 1993:** Geology of Foleyet and Ivanhoe Townships; Ontario Geological Survey, Open File Report 5851, 42p.
- **Ayer, J. A. and M. A. Puumala, 1993:** Precambrian Geology, Foleyet Township, District of Sudbury; Ontario Geological Survey, Preliminary Map P.3198, scale 1:15,840.
- **Ayer, J. A. and M. A. Puumala, 1993:** Precambrian Geology, Ivanhoe Township, District of Sudbury; Ontario Geological Survey, Preliminary Map P.3199, scale 1:15,840.
- **Hunt, D. S., 2014:** Technical Report on the Borden North Property, Carty, Evans, Foleyet, Ivanhoe, Pinogami and Warren Townships, Porcupine Mining Division, Ontario for Kapuskasing Gold Corp..
- **Kapuskasing Gold Corp., 2014**: Mineral Property Acquisition Agreement, February 12, 2014. Document provided by Kapuskasing Gold Corp, 2014.
- **Leclair, A. D., R. E. Ernst and K. Hattori, 1993:** Crustal-scale auriferous shear zones in the central Superior province, Canada. Geology, v. 21, p. 399-402, May 1993.
- Murahwi, C., R. Gowans and A. J. San Martin, 2012: Probe Mines Limited, Technical Report on the updated mineral resource estimate for the Borden Lake Gold Deposit, Borden Lake Property, Northern Ontario, Canada. Micon International Limited, 2012.
- **Probe Mines Limited: 2013:** Probe Mines Announces Updated Resource Estimate for the Borden Gold Zone, Chapleau, Ontario: Significant Improvement in Grade Size and Classification. Probe Mines Limited, news release January 15, 2013, Probe Mines corporate website.
- **Thurston, P. C., R. P. Sage and G. M. Siragusa, 1975:** Chapleau-Foleyet Sheet, Geological Compilation Series, Ontario Geological Survey Map 2221, scale 1:253,440 or 1 inch to 4 miles.
- **Thurston, P. C., G. M. Siragusa and R. P. Sage, 1974:** Operation Chapleau, Horwood Lake Sheet, Districts of Algoma, Cochrane and Sudbury. Ontario Department of Mines and Northern Affairs, Preliminary Map P. 673, Geological Series, scale 1 inch to 2 miles.

**Appendices** 

Appendix A

Date	Project	M.Tremblay	Description	Truck (km)	ATV	Boat
11/11/2015	Panet	1	prospecting/sampling	50	1	1
11/12/2015	Panet	1	prospecting/sampling	50	1	1
11/13/2015	Panet	1	prospecting/sampling	50	1	1
11/14/2015	Panet	1	prospecting/sampling	50	1	1
11/15/2015	Panet	1	prospecting/sampling	50	1	1
11/16/2015	Panet	1	prospecting/sampling	50	1	1
11/17/2015	Panet	1	prospecting/sampling	50	1	1
			Sample prep-deliver to			
11/18/2015	Panet	1	Timmins	500	1	1
11/19/2015	Panet	1	prospecting/sampling	50	1	1
11/20/2015	Panet	1	prospecting/sampling	50	1	1
11/21/2015	Panet	1	demobe to SSM	400	1	1

Appendix B

Sample#	Easting	Northing	Description
1225875	321229	5309826	mgn 2-3% py

Appendix C

Abbreviation	Definition
altd	altered
ank	ankerite
az	azimuth
СС	calcium carbonate
cg	coarse grained
diss	disseminated
fg	fine grained
gn	gneiss
gr	grey
kspar	potassium feldspar
med	medium
mgn	mafic gneiss
ру	pyrite
qfp	quartz-feldspar porphyry
sil	silicified
tr	trace
wgn	white gneiss

Appendix D

1046 Gorham Street Thunder Bay, ON Canada P7B 5X5 Tel: (807) 626-1630 www.accurassay.com Fax: (807) 622-7571 assay@accurassay.com

Monday, November 23, 2015

#### **Final Certificate**

Clark Consulting 1000 Alloy Dr.

Thunder Bay, ON, CAN

P7A6G5

Ph#: (807) 622-3284 Fax#: (807) 622-4156

Email: diclark@thaytel net\_steve@clarkexploration.com

Date Received: 11/18/2015

Date Completed: 11/22/2015

Job #: 201560208

Reference: Clark Chapleau

Sample #: 25

Acc#	Client ID	Au g/t (ppm)
15150	1225851	<0.005
15151	1225852	0.010
15152	1225853	0.005
15153	1225854	<0.005
15154	1225855	<0.005
15155	1225856	0.005
15156	1225857	<0.005
15157	1225858	0.006
15158	1225859	<0.005
15159	1225860	<0.005
15160	1225860 Dup	<0.005
15161	1225861	0.005
15162	1225862	<0.005
15163	1225863	<0.005
15164	1225864	<0.005
15165	1225865	0.005
15166	1225866	0.017
15167	1225867	<0.005
15168	1225868	<0.005
15169	1225869	<0.005
15170	1225870	<0.005
15171	1225870 Dup	<0.005
15172	1225871	<0.005
15173	1225872	0.005
15174	1225873	0.005

APPLIED SCOPES: ALP1, ALFA1

Validated By

Kelly Lacroix Instrumentation Technician Certified By:

Richard Julien - Lab Supervisor

Authorized By:

Derek Demianiuk, VP Quality

The results included on this report relate only to the items tested.

The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

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Tel: (807) 626-1630 www.accurassay.com Fax: (807) 622-7571 assay@accurassay.com

Monday, November 23, 2015

#### **Final Certificate**

Clark Consulting 1000 Alloy Dr.

Thunder Bay, ON, CAN

P7A6G5

Ph#: (807) 622-3284 Fax#: (807) 622-4156

Email: gjclark@tbaytel.net, steve@clarkexploration.com

Date Received: 11/18/2015 Date Completed: 11/22/2015

Job #: 201560208 Reference: Clark Chapleau

Sample #: 25

Client ID Acc # Au g/t (ppm)

15175 1225874 0.005

15176 1225875 0.008

APPLIED SCOPES: ALP1, ALFA1

Validated By:

Kelly Lacroix

Instrumentation Technician

Richard Julien - Lab Supervisor

Authorized By:

Derek Demianiuk, VP Quality

The results included on this report relate only to the items tested.

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Monday, November 23, 2015

Clark Consulting 1000 Alloy Dr.

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Ph#: (807) 622-3284 Fax#: (807) 622-4156

Email: gjclark@tbaytel.net, steve@clarkexploration.com

#### **Final Certificate**

Date Received: 11/18/2015

Date Completed: 11/22/2015

Job #: 201560208

Tel: (807) 626-1630

Fax: (807) 622-7571

Reference: Clark Chapleau

Sample #: 25

#### **Control Standards**

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS47	Au	4.697	5.080	0.370
GS47	Au	4.708	5.080	0.370

APPLIED SCOPES: ALP1, ALFA1

Validated By:

Kelly Lacroix
Instrumentation Technician

Certified By

Richard Julien - Lab Supervisor

Authorized By:

Derek Demianiuk, VP Quality

The results included on this report relate only to the items tested.

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Appendix E

Waypoint	Description
173	White gneiss (wgn) az 055
174	Pink gn az 080-090
175	metatextite (mafic)
176	grey gneiss (gr gn)
177	gr gn az 0055
178	gr gn
179	gr gn
180	gr gn, metatextite
181	gr gn
182	gr gn
183	gr gn
184	gr gn
185	Diabase
186	gr gn
187	gr gn w/ pegmatite
188	gr gn
189	pink/gr gn
190	gr gn w/ 4" orangite
191	gr gn
192	gr gn w/ pegmatite
193	gr gn 2% py sample 1225875

Appendix F

