Assessment Report on the Golden Route Property Caouette Township Sault Ste Marie Mining Division Ontario For Kapuskasing Gold Corp.

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January 31, 2016

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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 Golden Route Property. The Golden Route 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 Golden Route property is comprised of 5 contiguous claims (77 units) staked in Caouette Township (Figure 1). The total area of the property is 1,232 hectares that is located on the south side of highway 101 within the Sault Ste Marie 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: Golden Route Property, Location Map

Tab	le 1: Golde	en Route	Proper	rty, St	atus of	Stake	ed Claim	s.
_	_		_					-

Claim No.	Units	Recording Date	Due Date	Work Required
SSM 4260359	16	Mar 12 2014	Mar 12 2016	\$6,400
SSM 4260360	16 Mar 12 2014		Mar 12 2016	\$6,400
SSM 4260361	16	Mar 12 2014	Mar 12 2016	\$6,400
SSM 4260362	16	Mar 12 2014	Mar 12 2016	\$6,400
SSM 4260363	13	Mar 12 2014	Mar 12 2016	\$5,200

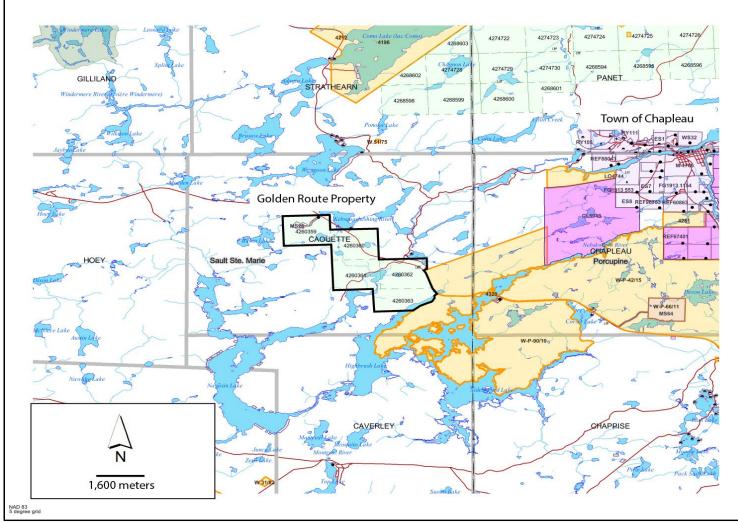


Figure 2: Golden Route Property Claims

### 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 cuts across the northern boundary of the property, various forest access road that departs Highway 101 approximately 15 km west of the community the Town of Chapleau.

The property is characterized by low, relatively flat, well-drained topography, with numerous small lakes and streams often bordered by minor wetlands. Average elevation is 381m above sea level, with little significant variation. Low-lying topographic features tend to trend southwesterly, likely parallel to the most recent glacial direction. Satellite imagery suggests that tree cover consists mainly of pine and spruce. Extensive forestry operations have been carried out in recent years on the claim group, resulting in widespread clear-cut areas or areas of young tree growth. The area is host to numerous logging and forestry access roads and trails.

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 Golden Route property has no recorded assessment work. 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 represented at 1:250,000 on GeoClaims.

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).

The property area makes up a portion 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**

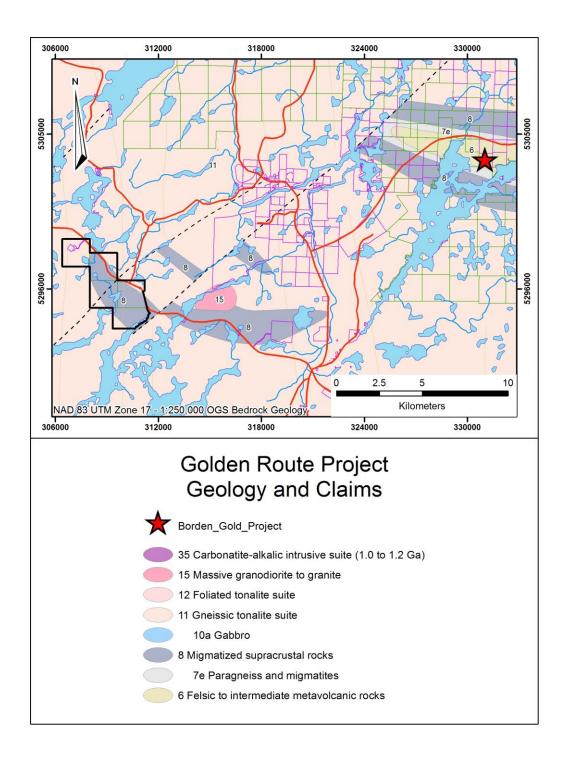
The Golden Route property lies within the Kapuskasing uplift in north central Ontario. The Kapuskasing uplift is a northeasterly striking, 500 km long structure exposing high grade gneissic rocks.

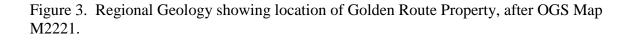
According to Leclair et al, 1993 "The uplift includes crustal blocks from 30 km paleodepth, interpreted as the hanging wall of a large Paleoproterozoic thrust structure (Percival, 1980) dissected by steep, crustal-scale, dip-slip faults (Percival and McGrath, 1986; Leclair et al., 1991) and subsequently 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 (on GeoClaims) as metavolcanic rocks, minor metasedimentary rocks, and mafic gneisses of uncertain protolith.

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 westward toward a potential series of northeast trending faults. These interpreted faults may displace the strike of the Borden Lake conglomerates northeasterly or southwesterly and be the metavolcanic rocks, minor metasedimentary rocks, and mafic gneisses on the Golden Route property.





# **Deposit Types**

The target mineralization on the Golden Route 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 pittable 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 that the gold-bearing metasedimentary horizons on Borden Lake strike westwards and after a series of faults onto the Golden Route 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 Golden Route 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 October 30 and November 10, 2015, Mike Tremblay was contracted through Clark Exploration to conducting a prospecting and sampling program on the Golden Route Property. A total of 24 samples were taken – none returning 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 a field map.

### **Interpretation and Conclusions**

The Golden Route 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 25 km to the east-northeast. The field program was unable to fully explore the projects potential due to time constraints.

To date the Golden Route 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 an 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

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- **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
	Golden		get supplies/mobe to			
10/30/2015	Route	1	Chapleau	390	1	1
	Golden					
11/1/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/2/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/3/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/4/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/5/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/6/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/7/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/8/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/9/2015	Route	1	prospecting/sampling	50	1	1
	Golden					
11/10/2015	Route	1	prospecting/sampling	50	1	1

Appendix B

Sample#	Easting	Northing	Description
1225851	308071	5296835	sil/cc zone dyke?/veining
1225852	308071	5296835	dark cg gneiss, epidote + py diss and blebs
1225853	308071	5296835	cg red kspar-qtz 10% py diss
1225854	308071	5296835	same 1-2% py
1225855	308071	5296835	orange kspar 1-5% py
1225856	308663	5295641	gossaneous grey gn 15% biotite
1225857	310831	5296115	grey/black banded gn, gossan
1225858	310831	5296115	med grained gn, tr py
1225859	310831	5296115	same as above
1225860	310831	5296115	feisic band in mg gn tr py
1225861	310498	5296270	fg mafic gn tr py
1225862	310498	5296270	rusty grey gn
1225863	310498	5296270	same as above
1225864	310498	5296270	grey gn tr py
1225865	310498	5296270	same as above with 1-2% py
1225866	310498	5296270	same as above
1225867	310498	5296270	same as above
1225868	308660	5297901	altered gn/qfp tr py
1225869	308939	5297475	altd gn/qfp
1225870	308939	5297475	ank/sil rock
1225871	308939	5297475	same as above
1225872	308939	5297475	same as above
1225873	308939	5297475	same as above
1225874	308939	5297475	kspar rock with ank fractures

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 Fax: (807) 622-7571 www.accurassay.com 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

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



Certified By ichand. Richard Julien - Lab Supervisor

horized 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.



1046 Gorham Street Thunder Bay, ON Canada P7B 5X5

Tel: (807) 626-1630 Fax: (807) 622-7571

Date Received: 11/18/2015

Job #: 201560208

Reference: Clark Chapleau

Date Completed: 11/22/2015

Sample #: 25

www.accurassay.com assay@accurassay.com

Monday, November 23, 2015

#### **Final Certificate**

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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

Certified By: chind Richard Julien - Lab Supervisor

Authorized By:

Derek Demianiuk, VP Quality

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#### **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: ichand Julian

Richard Julien - Lab Supervisor

Authorized By:

Derek Demianiuk, VP Quality

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Appendix E

