

**N.T.S. 31C/11**

**Report on  
Rock Sampling (2015)  
Black River South Property  
Grimsthorpe Township, Ontario**

**For  
Union Glory Gold Limited  
Toronto, Ontario**

**By: Robert Dillman of Arjadee Prospecting**

**January 29, 2016**

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## **Summary**

This report describes geology and assay results of rock sampling on the Black River South Property in Grimsthorpe Township, Ontario. The project focused on examining the Heron Pond gold zone and exploring for extensions of the mineralization in the north and south sections of the property. A total of seven days in December, 2015 were spent examining the property. During this time, a total of 62 rock samples were collected on the property. All the samples were assayed for gold with results ranging 2 ppb Au to 4,336 ppb Au. The best results were obtained from sulphide bearing quartz veins and silicified metasedimentary rock found in the Heron Pond Zone.

## **Location, Property Ownership, Access**

The Black River South Property is located in the Southern Ontario Mining Division approximately 185 kilometres northeast of Toronto, Ontario, Canada (Figure 1). The property is situated in Grimsthorpe Township in Hastings County.

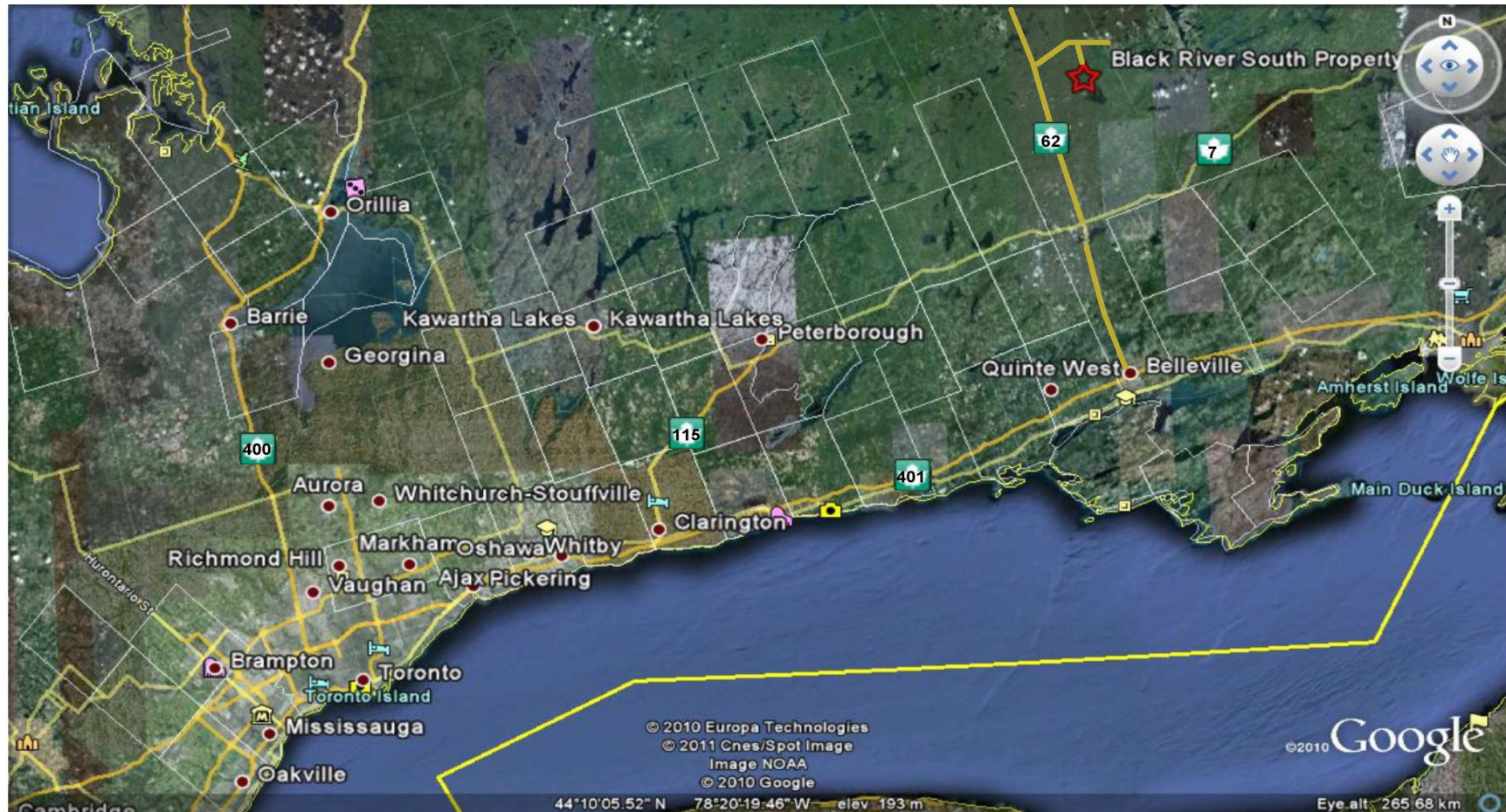
The property consists of five contiguous non-patented mining claims covering a total area of 340 hectares (Figure 2). Claim logistics are summarized in Table 1. Titles to the mining claims comprising the Black River South property are held equally by:

Robert J. Dillman of Mount Brydges, Ontario,

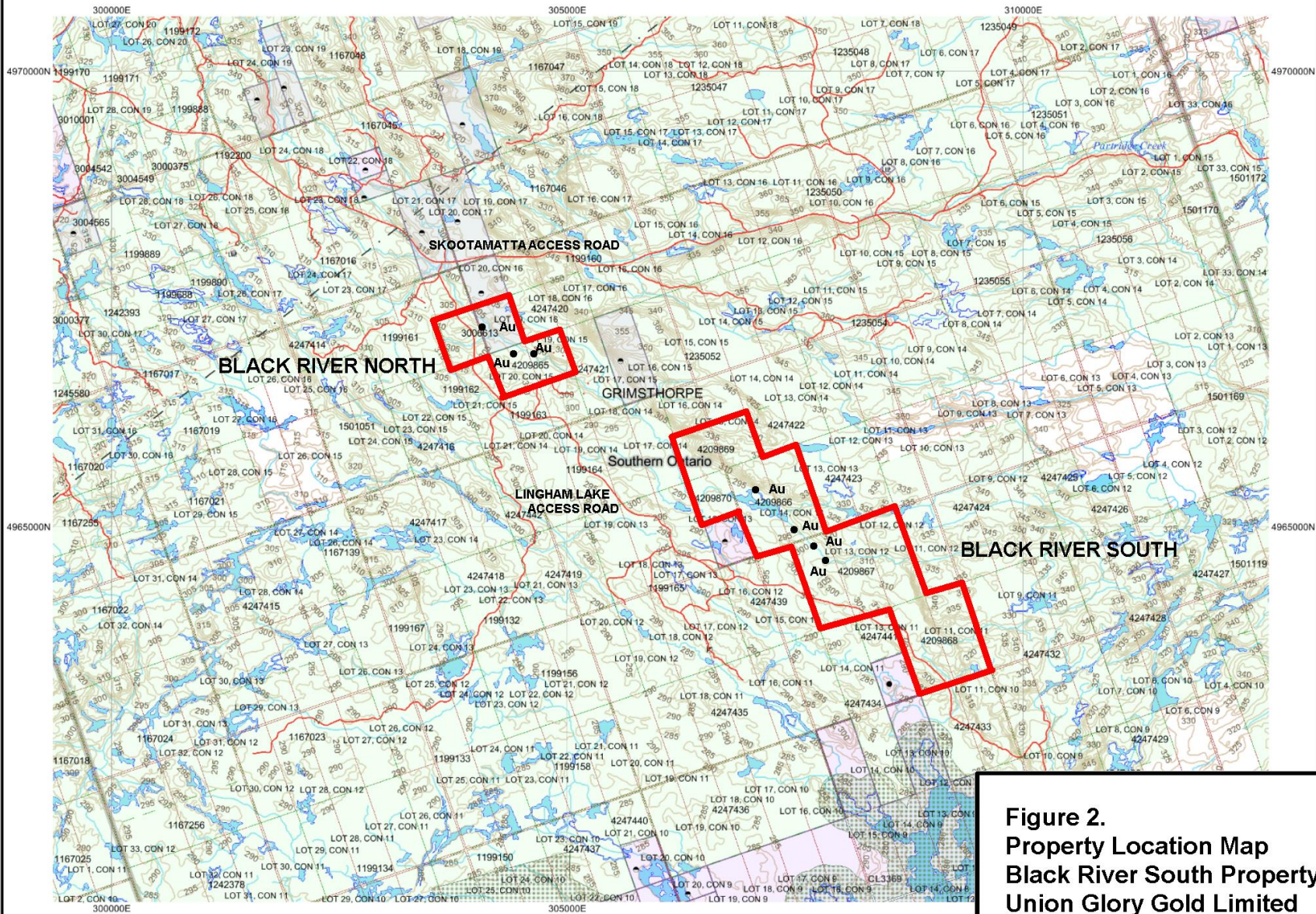
James M. Chard of Cordova Mines, Ontario

The property is currently under a sales contract to Union Glory Gold Limited of Toronto, Ontario.

The property has good seasonal road access. From the town of Gilmour on Provincial Highway 62, the property can be reached by traveling northeast for a distance of 5.1 km on the Weslemkoon Lake Road to the intersection of the Skootamatta Lake Forest Access Road. Travel east on the Skootamatta Lake Forest Access Road for a distance of 7.1 km to the intersection with the Lingham Lake Access Road. Travelling south for a distance of 4 km, the Lingham Lake Access Road crosses the west side of the property. It should be noted, the Skootamatta Forest Access Road is a seasonal road and is not maintained in the winter. Thus, the property can only be accessed by snowmobile during the winter.

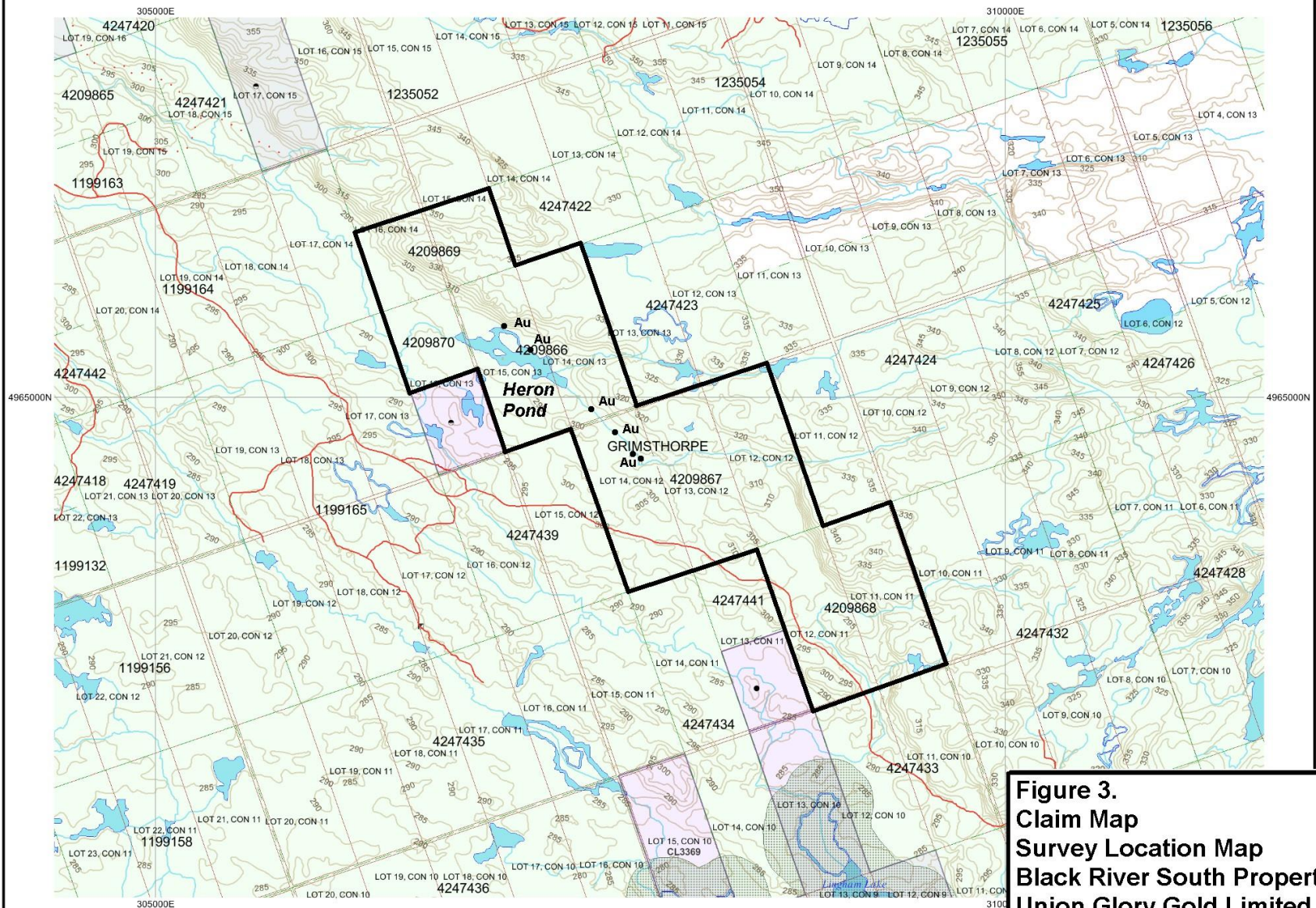


**FIGURE 1.  
PROPERTY LOCATION MAP  
BLACK RIVER SOUTH PROPERTY  
GRIMSTHORPE TWP., ONTARIO  
UNION GLORY GOLD LIMITED**



UTM Zone 18  
5000m grid

**Figure 2.**  
**Property Location Map**  
**Black River South Property**  
**Union Glory Gold Limited**  
**Grimsthorpe Twp., Ontario**



UTM Zone 18  
5000m grid

**Figure 3.**  
**Claim Map**  
**Survey Location Map**  
**Black River South Property**  
**Union Glory Gold Limited**  
**Grimsthorpe Twp., Ontario**

**Table 1.**

**Claim Logistics  
Black River South Property  
Grimsthorpe Twp., Ontario**

<b>Claim Number</b>	<b>Location</b>	<b>Number of Units</b>	<b>Size Hectares</b>	<b>Assessment Due Date</b>	<b>Amount Due</b>	<b>Assessment Bank</b>
4209866	Lot's 14 & 15, Conc. XIII	4	80 ha	02/ 09/ 2016	\$1600	\$0
4209867	Lot's 12, 13 & 14, Conc. XII	6	120 ha	02/ 09/ 2016	\$2400	\$2,036
4209868	Lot's 11 & 12, Conc. XI	4	80 ha	02/ 09/ 2016	\$1600	\$79
4209869	Lot's 15 & 16, Conc. XIV S.1/2	2	40 ha	02/ 09/ 2016	\$800	\$0
4209870	Lot's 16, Conc. XIII N.1/2	<u>1</u>	<u>20 ha</u>	02/ 09/ 2016	<u>\$400</u>	<u>\$0</u>
		<b>17 Units</b>	<b>340 ha</b>		<b>\$6,800</b>	<b>\$2,115</b>

**Title:**

50% Robert J. Dillman  
8901 Reily Drive  
Mount Brydges, Ontario  
N0L 1W0

50% James M. Chard  
3495 Country Road 48  
Cordova Mines, Ontario  
K0L 1Z0

## **Land Status and Topography**

The Black River South Property is situated on lands designated by the Ontario Government as “Crown Land”. The property is uninhabited with the exception of a cabin on Lot 14, Concession 13 which is used for hunting purposes. There is no hydroelectricity on the property.

Much of the property is covered by thick forest dominated by spruce, pine, maple and poplar. Low areas typically trend northwest-southeast and are covered by linear swamps and beaver ponds such as Heron Pond. Higher elevations usually consist of areas of large outcrops of bedrock or are covered by a thin layer of reddish-brown glacial till.

The Black River South Property is at a mean elevation of 300 metres above sea level (Figure 3). The west half of the property has gentle topography with relief ranging approximately 20 metres. The east section of the property is crossed by a steep, north-south orientated ridge of outcrop ranging approximately 50 metres high. Low areas west of the ridge typically trend northwest-southeast and are filled by swampy ground or open ponds held back by beaver dams. Low areas east of the ridge typically trend east-west and usually contain creeks which cut through outcrop.

The Black River cuts through a small area on the west side of the property. This section of the river is small and slow moving due to several beaver dams. The river flows south and eventually drains into Lingham Lake several kilometres from the property.

Parts of the property have been logged in the last 10 years. There are numerous new skidder trails and access roads throughout the property that connect with the Lingham Lake Access Road.

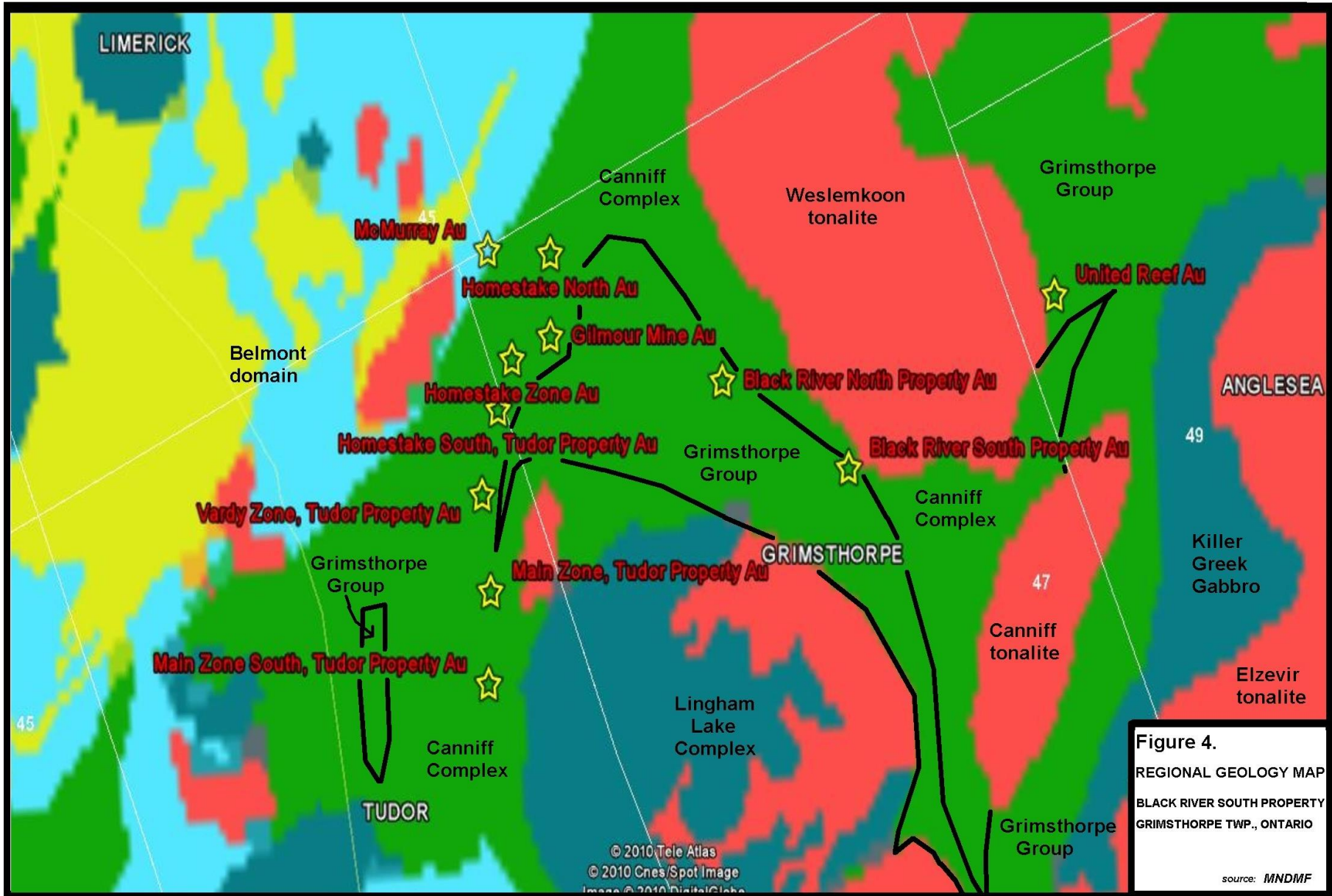
## **Regional and Local Geology**

The Black River South Property is underlain by Proterozoic geological units belonging to the Grimsthorpe Domain of the Central Metasedimentary Belt of the Grenville Structural Province (Figure 4).

The Grimsthorpe Domain is dominated by mafic metavolcanic and volcanoclastic metasedimentary rocks older than 1270 Ma (Easton 1992). The Grimsthorpe Domain includes:

- younger rocks of the Grimsthorpe Group, consisting mainly of metavolcanic-clastic metasedimentary rocks and minor metavolcanic flows of the Tudor Formation, minimum age 1279 ±13 Ma (Easton 2004).
- the older rocks of the Canniff Complex dominated by massive and pillowed tholeiitic metabasalts, metagabbro and metaperidotite.





**Figure 4.**  
 REGIONAL GEOLOGY MAP  
 BLACK RIVER SOUTH PROPERTY  
 GRIMSTHORPE TWP., ONTARIO  
 source: MNDMF

 Gold Occurrence

0 10 km

The property is situated over the unconformity between the Grimsthorpe Group and the Canniff Complex (Figure 5). In the north section of the property, the unconformity is situated at the base of the ridge trending northwest-southeast through the property. Outcrops east of the unconformity consist of metabasalts and metagabbro of the Canniff Complex. Outcrops west of the unconformity consist of northwest trending schistose metasedimentary rocks and metavolcanic flows of the Grimsthorpe Group. In the south section of the property, the position of the unconformity is unknown due to little outcrop exposure.

The Grimsthorpe-Canniff unconformity, has been subjected to intrusions by a variety of mafic and felsic intrusive rocks consisting of

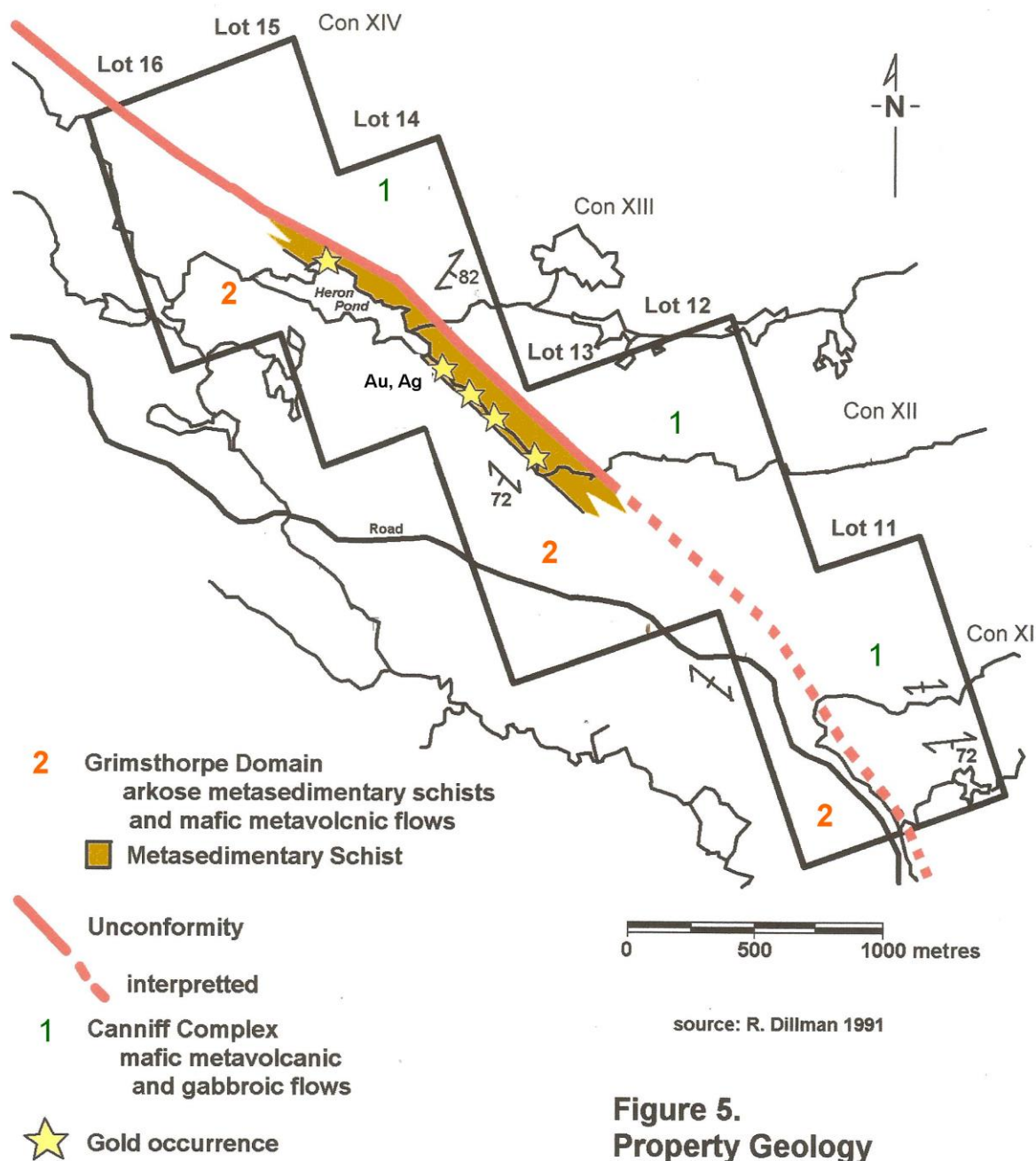
- northwest striking and east-west striking felsic aplite dikes
- east-west striking fine-grained mafic dikes
- small, circular gabbroic plutons

The Grimsthorpe Domain in the north section of the property is bounded to the west by gabbroic and dioritic rocks of the Lingham Lake Complex and to the northeast, by tonalitic and granodioritic rocks of the Weslemkoon Tonalite.

Rock units of Grimsthorpe Group generally trend northwest-southeast and dip vertical to steeply southwest and contrast greatly in trend from those of the Canniff Complex which occupy the east side of the property. In south section of the property, the trend of the Grimsthorpe Group is nearly perpendicular to the trend of rocks belonging to the Canniff Complex.

Rock units in the project area have been subjected to amphibolite-biotite facies metamorphism. Metasedimentary units proximal to the Grimsthorpe-Canniff unconformity are variably sheared by northwest trending structures however, extensive carbonate alteration so prevent in other shear zones in the region as lacking.

The entire sequence is crossed by southwest to east-west orientated strike-slip faults. Some of the younger faults have displaced the Grimsthorpe-Canniff unconformity. Structurally, the style of the crosscutting faults vary between tight, brittle fractures with no apparent deformation to intense shear zones up to 25 metres wide with considerable deformation, carbonate and chlorite alteration, extensive quartz-carbonate veining and sulphides.



**Figure 5.**  
**Property Geology**  
**Black River South Property**  
**Union Glory Gold Limited**  
**Grimsthorpe Twp., Ontario**

## **Economic Mineralization**

Gold bearing quartz veins, stringers and silicified zones have been found in greywacke schist of the lower metasedimentary units of the Grimsthorpe Group adjacent to the unconformity with the Canniff Complex in the Heron Pond area on the property (Figure 6). In 2012, samples collected in several historic trenches assayed: 2.88 to 5.58 g/t Au, 63.6 to 268 g/t Ag, 0.013 to 0.47% Zn and 0.005 to 0.024% Sb.

Gold mineralization in the Heron Pond Zone has been traced 1,300 metres on surface. The mineralization is part of a series of gold occurrences found in the lower metasedimentary units of the Grimsthorpe Group occurring along a 5 kilometre section of the unconformity in Grimsthorpe Twp. One of these occurrences with similar style of gold mineralization includes the Black River North Property.

## **History of Exploration**

In 1941 and 1942, the geology of Grimsthorpe Township and surrounding area was mapped by V. B. Meen on behalf of the Ontario Department of Mines (Meen, 1942). The area was re-mapped in 1990 by R. M. Easton of the Ontario Geological Survey (Easton and Ford, 1990). Prior to 1991, there is no record of mineral exploration in the area covered by the Black River South Property.

In 1991, gold was discovered along the Black River by the author and claim holder, Robert Dillman. Between 1991 and 2003, various low-cost surveys have been completed to determine the extent of gold mineralization and to fulfil the rigorous duties of assessment work required to maintain claims. The surveys include: prospecting, geological mapping, manual trenching, soil sampling, ground magnetometer and VLF surveys. Reports for all the surveys are available online at the Ministry of Northern Development and Mines website.

In 2010, Union Glory Gold Limited completed a ground radiometric survey over the property. The survey outlined 18 weakly radioactive areas potentially related to zones of alteration, sulphide mineralization and various rock types such as metasedimentary schists and felsic rock. The radiometric survey indicated rocks of the Grimsthorpe Group trend northwest whereas, in the midsection of the property, rocks of the Canniff Complex trend north-south and east-west along the southeast boundary. The survey also detected a series of weak radioactive features following the Grimsthorpe-Canniff unconformity suggesting the structure continues through the south end of the property.



**Figure 6.**  
**Quartz Vein and Silicified Metasedimentary Rock**  
**Mineralized with Pyrite and Arsenopyrite**  
**307792mE, 4964703mN**  
**Heron Pond Zone, Black River South Property**

Later in 2010, Union Glory Gold Limited completed a soil survey over sections of the property and collected 4 rock samples. The soil survey detected anomalous gold values ranging 0.03 to 0.06 g/t Au over metasedimentary schists possibly situated close to the unconformity. A rock sample of a boulder containing galena assayed 0.07 g/t Au and 2.5 g/t Ag.

In 2013, Union Glory Gold Limited completed a petrologic study on mineralized rocks collected from two historic trenches in the Heron Pond Zone. The samples were observed to be mineralized with native gold, silver, galena, zinc, various sulphide minerals containing iron, arsenic, lead, molybdenum and several antimony-bearing minerals including stibnite. Assay results for the samples included: 4.23 g/t Au, 268 g/t Ag, 0.47% Zn, 0.024% Sb and 5.58 g/t Au, 148 g/t Ag, 0.15% Zn, 0.006% Sb.

In December 2013, Union Glory performed a ground magnetometer and VLF-EM survey over most of the property by Union Glory Gold Limited. The survey defined northwest and north-south trending magnetic and conductive features coinciding with numerous rusty metasedimentary outcrops.

## **Survey Dates and Personnel**

Nine days were devoted towards traversing and collecting rock samples on the Black River South property. Field work was conducted between between December 3, 2015 and December 17, 2015.

Field work was performed by claim owners: Jim Chard and Robert Dillman.

## **Survey Logistics**

Sixty two rock samples were collected from various locations on the Black River Property and analyzed for gold by standard fire assay method at SGS Canada Inc. located in Lakefield, Ontario. At the lab, each sample was weighed and 3.0 kg pulps of each sample were dried at 105<sup>0</sup>C. Each pulp was then crushed and 75% of the material was passed through a 2mm screen. From the -2mm fraction of each sample which passed through the screen, 250g was selected and pulverized until 85% passed through a 75 micron screen. From the -75 micron fraction, 50g was selected from each sample for fire assay by Pb fusion technique. The amount of gold in each sample was measured by Atomic Absorption Spectrum (AAS).

In the field, the location of each rock sample was recorded using a Garmin GPSmap 60CSx unit. The GPS unit has an average accuracy of +/- 3 metres. The GPS was set to NAD83, Zone 18. The rock sample locations are plotted at a scale of 1:1,250 on a compilation map appended to this report.

## **Assay Results**

Assay results and rock descriptions for the sixty two rock samples are summarized in Table 3, appended to this report. Of the total rock samples submitted, thirty returned gold values ranging >200 ppb. All samples with gold were collected from boulders and outcrop along the Heron Pond Zone. Fifteen, or a quarter of the rock samples returned gold values ranging >1,000 ppb (1 g/t). The highest gold value obtained by this program is 3,602 ppb (3.6 g/t) Au. A duplicate check of this particular sample assayed 4,336 ppb (4.34 g/t) Au.

All rock samples collected along the Heron Pond Zone which returned gold values consist of silicified greywacke and dark grey quartz stringers mineralized with pyrite and arsenopyrite (Figure 7). An exception, sample 77592 assaying 217 ppb Au, was collected from an outcrop of carbonate altered mafic metavolcanic rocks mineralized with quartz-carbonate stringers and pyrite. The outcrop is situated close to the unconformity. The style of mineralization is believed to be associated with a late-stage fault cross-cutting the unconformity and possibly represents a second style of gold mineralization on the property.

## **Discussion**

At the time of the survey, several of the beaver ponds along the Heron Pond Zone were dry because of holes in the dams. As a result, numerous mineralized boulders and several outcrops were exposed at locations previously covered by water. This led to the discovery of gold mineralization in an outcrop of greywacke located at 307498mE, 4964989mN. Assays for five rock samples from this site ranged 430 ppb Au to 3,422 ppb Au. The new mineralization is situated in the vicinity of line 22+00N, close to the west contact of the greywacke unit and approximately 25 metres west of the historic trenches containing high grade gold and silver mineralization. The greywacke at the new site is silicified, well-mineralized with disseminated arsenopyrite and disseminated to stringered pyrite, schistose, and contains dark quartz stringers which are deformed and offset by cross cutting structures (Figure's 8).



**Figure 7.**  
**Quartz Vein and Silicified Metasedimentary Rock**  
**Mineralized with Pyrite and Arsenopyrite**  
**307618mE, 4964877mN**  
**Heron Pond Zone, Black River South Property**





**Figure 8.**  
**Quartz Stringers in Silicified Metasedimentary Rock**  
**Mineralized with Pyrite and Arsenopyrite**  
**307498mE, 4964989mN**  
**Heron Pond Zone, Black River South Property**

Part of the program was devoted towards locating extensions of the Heron Pond Zone in the north and south sections of the property. Although some minor success was achieved in the north section of the property with the detection of anomalous gold mineralization in carbonated rocks in the vicinity of Line 30+00N, no significant gold values were found in rock samples collected south of Line 17+00N. Largely, this is attributed to poor outcrop exposure and increasing overburden in areas south of Line 17+00N. It is also possible the greywacke unit hosting the Heron Pond Zone is offset by one or more cross-cutting fault structures. But at present, greywacke units found south of the Line 17+00N have not tested positive for gold.

## Conclusions and Recommendations

The project has resulted in the discovery of additional gold mineralization in the vicinity to Line 22+00N adjacent to trenches containing high grade gold, silver and zinc mineralization. Due to the abundance of outcrop and gold mineralization in this area, further investigation of the site is warranted. Trenching is recommended to clear the area between the historic trenches and the new site of gold mineralization. Trenching is also recommended to expose and test the greywacke unit situated where Line 17+00N crosses the Heron Pond Zone. Exposing the unit in this area could provide information on the direction of the Heron Pond Zone in the south section of the property. Overburden at both sites is shallow and amendable to manual trenching. An estimated cost of the proposed surveys is \$17,600. A budget is outlined in Table 3.

Respectfully submitted,



**Robert James Dillman**  
Arjadee Prospecting

P.Geol



Robert Dillman      B.Sc., P.Geol

January 29, 2016

**Table 2. Budget For Proposed Exploration**

**Trenching**

Labour	2 men x \$500 /day/ man x 10 days	\$10,000
Assays	50 samples @ \$42 / sample	2,100
Food, Hotel, Transportation		3,000
Maps, Reports		<u>2,500</u>
		<b>\$17,600</b>
	<b>Total</b>	<b>\$17,600</b>

## References

- Barnett, R. L., Renaud, J., Dillman, R. J. 2013.** Report on Petrographic and Electron Microprobe Investigation of 6 Rock Samples from the Heron Pond Prospect, Black River South Property, Grimsthorpe Township, Ontario. For: Union Glory Gold Limited Toronto, Ontario. Assessment report.
- Christie, B . J. 1992.** Report on Prospecting, Geological Mapping and Soil Sampling, Dillman: Black River Property, Grimsthorpe Township, Southern Ontario Mining Division, Ontario. Unpublished internal report for Homestake Minerals.
- Dillman, R. J., Chard, J. M. 2013.** Report on Ground Magnetometer and VLF-EM Surveys, Black River South Property, Grimsthorpe Township, Ontario
- Dillman, R. J., Chard, J. M. 2012.** Report On “B” Horizon Soil Survey And Rock Sampling Black River South Property, Grimsthorpe Township, Ontario
- Dillman, R. J., Chard, J. M. 2011.** Report on Ground Gamma-Ray Survey, Black River South Property Grimsthorpe Township, Ontario. Assessment file.
- Dillman, R. J. 2003.** Report on Prospecting and Rock Sampling on the Black River Property, Grimsthorpe Township, Ontario. Assessment file.
- Dillman, R. J. 1992.** Report on Electromagnetic (VLF) and Magnetic Surveys. Black River Property, Grimsthorpe Township, Southern Ontario Mining Division, Ontario. Report for Ontario Prospectors Assistance Program, file no. OP92-235.
- Dillman, R. J. 1991.** Report on Prospecting, Grimsthorpe Township, Hastings County, Ontario. Report for Ontario Prospectors Assistance Program, file no. OP91-535.
- Easton, R. M. and Ford, F. 1990.** Geology of the Grimsthorpe Area: In Summary of Field Work and Other Activities 1990. Ontario Geological Survey, Miscellaneous Paper 151, p. 99-110.
- Meen, V. B. 1942.** Geology of Grimsthorpe-Barrie Area, Ontario Department of Mines, Vol. 51, pt. 4, p. 1-50 (with Map 51d: published 1944).

**Robert J. Dillman P.Geo, B.Sc.**  
**ARJADEE PROSPECTING**  
**8901 Reily Drive, Mount Brydges, Ontario, Canada, N0L1W0**  
**Phone/ fax (519) 264-9278**

**CERIFICATE of AUTHOR**

I, **Robert J. Dillman, Professional Geologist**, do certify that:

1. I am the **President** and the holder of a **Certificate of Authorization** for:

**ARJADEE PROSPECTING**  
**8901 Reily Drive**  
**Mount Brydges, Ontario, Canada**  
**N0L1W0**

2. I graduated in 1991 with a **Bachelor of Science Degree** in **Geology** at the **University of Western Ontario**.

3. I am an active member of:

**Association of Professional Geoscientists of Ontario, APGO**  
**Prospectors and Developers Association of Canada, PDAC**  
**Geological Association of Canada, GAC**

4. I have been a **licensed Prospector in Ontario** since 1985.

5. I have worked continuously as a **Professional Geologist** for 24 years.

6. Unless stated otherwise, **I am responsible** for the preparation of all sections of the Assessment Report titled:

**Report on Rock Sampling**  
**Black River South Property**  
**Grimsthorpe Township, Ontario**

**dated, January 29, 2016**

7. I am not aware of any material fact or material change with respect to the subject matter of the Assessment Report that is not contained in the Assessment Report and its omission to disclose makes the Assessment Report misleading.

**Dated this 3rd day of February, 2016**



Robert James Dillman P.Geo  
Arjadee Prospecting





## Certificate of Analysis

Work Order : LK1500770

Report File No.: 00000062141

To: **Robert Dillman**  
**COD SGS MINERALS**

Date: Jan 21, 2016

R. Dillman  
8901 Reily Drive  
Mount Brydges ON N0L 1W0

P.O. No. : Union Glory Gold  
Project No. : -  
No. Of Samples : 42  
Date Submitted : Dec 17, 2015  
Report Comprises : Pages 1 to 3  
(Inclusive of Cover Sheet)

**Distribution of unused material:**  
To be Returned to Client:

Certified By :

Brett Pipher  
Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)



Final : LK1500770 Order: Union Glory Gold  
Report File No : 0301076214

Page 2 of 3

Element Method Det.Lim. Units	WtKg G_WGH79 kg	@Au GE_FAI515 ppb
77276	1.085	4
77277	0.818	3
77278	2.004	3
77279	0.780	16
77280	1.291	622
77281	1.372	24
77282	1.533	11
77283	0.615	13
77284	1.728	5
77285	1.302	2
77286	0.668	4
77287	1.602	482
77288	1.302	186
77289	1.055	1691
77290	1.080	1410
77291	1.300	11
77292	1.646	874
77293	1.314	25
77294	1.278	7
77295	0.635	827
77296	0.644	909
77297	0.565	943
77298	1.792	846
77299	0.802	1293
77300	1.448	1034
77301	1.281	3603
77302	0.987	3207
77303	1.408	2550
77304	0.606	2154
77305	0.913	64
77306	1.262	235
77307	0.803	337
77308	0.996	1695
77309	1.119	2046
77310	0.896	761
77311	0.875	573
77312	1.370	129
77313	0.841	11
77314	0.646	8
77315	1.542	3

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**WARNING:** The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Canada Inc. | Mineral Services 185 Concession Street Lakefield ON K0L 2H0 t+1(705) 652-2000 f+1(705) 652-6365 [www.ca](http://www.ca)

Member of the SGS Group (Société Générale de Surveillance)



Final : LK1500770 Order: Union Glory Gold  
Report File No: 9500000214

Page 3 of 3

Element	WtKg	@Au
Method	G_WGH79	GE_FAI515
Det.Lim.	0.001	1
Units	kg	ppb
77316	1.466	1525
77317	1.013	601
*Dup 77283	N.A.	11
*Rep 77316		1455
*Rep 77301		4336

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## Certificate of Analysis

Work Order : LK1500783

[Report File No.: 000006221]

To: Robert Dillman  
COD SGS MINERALS

Date: Jan 25, 2016

R. Dillman  
8901 Reily Drive  
Mount Brydges ON N0L 1W0

P.O. No. : Union Glory Gold  
Project No. : -  
No. Of Samples : 21  
Date Submitted : Dec 22, 2015  
Report Comprises : Pages 1 to 2  
(Inclusive of Cover Sheet)

**Distribution of unused material:**  
To be Disposed:

Certified By :

Brett Pipher  
Project Coordinator

*SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>*

Report Footer:

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Member of the SGS Group (Société Générale de Surveillance)



Final : LK1600783 Order: Union Glory Gold  
Report File No. 69460a271

Element	WtKg	@Au
Method	G_WGH79	GE_FAI515
Det.Lim.	0.001	1
Units	kg	ppb
77318	0.984	23
77319	0.721	45
77320	1.065	19
77321	0.707	5
77322	1.486	6
77323	1.103	2
77324	0.935	2
77325	0.709	3
77584	0.913	1309
77585	0.729	924
77586	1.175	795
77587	0.524	430
77588	1.380	3422
77589	0.986	111
77590	0.872	63
77591	0.518	16
77592	1.142	217
77593	1.048	2
77594	0.954	4
77595	1.381	3941
77596	LNR	LNR
*Dup 77325	N.A.	2
*Rep 77319		42

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# INVOICE

Invoice Number : 10933945  
 Date : 22-JAN-16  
 Page : 1 / 2

COD SGS MINERALS  
 185 CONCESSION ST  
 PO BOX 4300  
 LAKEFIELD ON K0L 2H0  
 Canada

Customer Number : 272831  
 Currency : CAD  
 Payment Term : Due immediately  
 SGS Order No. : 789607

Customer Reference : Attn: ACCOUNTS PAYABLE  
 Certificate(s) / Report(s) No(s): Union Glory Gold WO#LK1500770  
 Job Reference : WO#:LK1500770: Union Glory Gold  
 Order Source Reference: 0000035368  
 Paid by VISA January 21, 2016  
 Auth# 087847  
 Thank You

Item	Description	Quantity	UoM	Unit Price	Net Amount	Amount
37662	Non-Instrumental Analysis Sample weights GFM Acc: 4000.20.2300.0000000	42	Ea	1.25	52.50	59.33
37351	Sample Preparation Sample Drying at 105°C, <3.0kg GFM Acc: 4000.20.2300.0000000	42	Ea	2.40	100.80	113.90
37351	Sample Preparation Crush <3.0kg, 2mm, 75% passing GFM Acc: 4000.20.2300.0000000	42	Ea	4.45	186.90	211.20
37351	Sample Preparation Pulverize 250g, Cr steel, 75 microns, 85% passing GFM Acc: 4000.20.2300.0000000	42	Ea	4.40	184.80	208.82
37351	Sample Preparation Riffle splitting, per kg GFM Acc: 4000.20.2300.0000000	42	Ea	0.84	35.28	39.87
37366	Routine Analysis by Fire Assay Exploration grade 50g Pb fusion, ICPOES GFM Acc: 4000.20.2300.0000000	42	Ea	19.65	825.30	932.59

Execution Date(s) : 21-Jan-2016

	HST	180.13
Net Amount	CAD	1,385.58
Sum of Tax	CAD	180.13
<b>Total Amount</b>	<b>CAD</b>	<b>1,565.71</b>

Contact Name:	RYAN, ALEXANDRA
E-mail:	ALEXANDRA.RYAN@SGS.COM

Issuing Affiliate : F402001  
 10933945 22-JAN-16 272831

Please Remit To:  
 SGS Canada Inc  
 WIRE TRANSFERS:  
 Citibank NA Canadian Branch - Toronto, ON  
 BANK# 328 TRANSIT# 20012  
 SWIFT: CITICATTBCH ABA: 021000089

SGS Canada Inc. Mineral Services PO Box 4300 185 Concession Street Lakefield, ON, K0L 2H0 Canada  
 t: (705) 652-2000 f: (705) 652-6365

SGS Tax ID GST/HST/TPS#R105082572 QST/TVQ#R1010505000 Member of the SGS Group

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Invoice No. Informational  
 Date 21-Jan-2016  
 Work Order No. LK1500770  
 Order No. Union Glory Gold

Attn: COD SGS MINERALS  
 Robert Dillman  
 R. Dillman  
 8901 Reily Drive  
 Mount Brydges ON  
 N0L 1W0  
 CANADA

789607

Page 1 de 1

PROFORMA INVOICE

Item	Quantity	Unit Price	Amount
Sample weights [G_WGH79]	42	1.25	52.50
Sample Drying at 105°C, <3.0kg [G_DRY10]	42	2.40	100.80
Crush <3.0kg, 2mm, 75% passing [G_CRU21]	42	4.45	186.90
Pulverize 250g, Cr steel, 75 microns, 85% passing [G_PUL45]	42	4.40	184.80
Riffle splitting, per kg [G_SPL26]	42	0.84	35.28
Exploration grade 50g Pb fusion, ICPOES [GE_FAI515]	42	19.65	825.30

SGS CANADA INC.  
 185 CONCESSION STREET  
 LAKEFIELD, ON N0L 2H0  
 (519) 331-3757  
 BATCH: 209  
 SHIFT: 002

Sale  
 INV# 6666666666  
 VISA  
 3000 0000000000000000  
 \*\*\*\*\*5648  
 Total: CAD\$ 1,565.71  
 APPROVED 087847  
 0801-010

21-Jan-16 15:39:58  
 MERCHANT COPY

SGS CANADA INC.  
 185 CONCESSION STREET  
 LAKEFIELD, ON N0L 2H0  
 (519) 331-3757  
 BATCH: 209  
 SHIFT: 002

Sale  
 INV# 6666666666  
 VISA  
 3000 0000000000000000  
 \*\*\*\*\*5648  
 Total: CAD\$ 1,565.71  
 APPROVED 087847  
 21-Jan-16 15:39:58  
 MERCHANT COPY

Total Services		1,385.58
Tax		180.13
Total	CAD	1,565.71



# INVOICE

Invoice Number : 10934449  
 Date : 26-JAN-16  
 Page : 1 / 1

COD SGS MINERALS  
 185 CONCESSION ST  
 PO BOX 4300  
 LAKEFIELD ON K0L 2H0  
 Canada

Customer Number 272831  
 Currency CAD  
 Payment Term Due immediately  
 SGS Order No. 789946

Customer Reference Altn: Robert Dillman  
 Certificate(s) / Report(s) No(s): Union Glory Gold WO#LK1500783  
 Job Reference : WO#LK1500783: Union Glory Gold  
 Order Source Reference: 000035369  
 Paid by VISA January 25, 2016  
 Auth#023379  
 Thank You

Item	Description	Quantity	UoM	Unit Price	Net Amount	Amount
37662	Non-Instrumental Analysis Sample weights GFM Acc: 4000.20.2300.0000000	20	Ea	1.25	25.00	28.25
37351	Sample Preparation Sample Drying at 105°C, <3.0kg GFM Acc: 4000.20.2300.0000000	20	Ea	2.40	48.00	54.24
37351	Sample Preparation Crush <3.0kg, 2mm, 75% passing GFM Acc: 4000.20.2300.0000000	20	Ea	4.45	89.00	100.57
37351	Sample Preparation Pulverize 250g, Cr steel, 75 microns, 85% passing GFM Acc: 4000.20.2300.0000000	20	Ea	4.40	88.00	99.44
37351	Sample Preparation Riffle splitting, per kg GFM Acc: 4000.20.2300.0000000	20	Ea	0.84	16.80	18.98
37366	Routine Analysis by Fire Assay Exploration grade 50g Pb fusion, ICPOES GFM Acc: 4000.20.2300.0000000	20	Ea	19.65	393.00	444.09

Execution Date(s) 25-Jan-2016

HST 85.77  
 Net Amount CAD 659.80  
 Sum of Tax CAD 85.77  
 Total Amount CAD 745.57

Contact Name: RYAN, ALEXANDRA  
 E-mail: ALEXANDRA.RYAN@SGS.COM

Issuing Affiliate : F402001  
 10934449 26-JAN-16 272831

SGS Canada Inc. Mineral Services PO Box 4300 185 Concession Street Lakefield, ON, K0L 2H0 Canada  
 t: (705) 652-2000 f: (705) 652-6365

SGS Tax ID GST/HST/TPSR#R105082572 QST/TVQ#R1010505000 Member of the SGS Group

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Invoice No. Informational  
 Date 25-Jan-2016  
 Work Worder No. LK1500783  
 Order No. Union Glory Gold

Attn: COD SGS MINERALS  
 Robert Dillman  
 R. Dillman  
 8901 Reilly Drive  
 Mount Brydges ON  
 N0L 1W0  
 CANADA

789946

PROFORMA INVOICE

Item	Quantity	Unit Price	Amount
Sample weights [G_WGH79]	20	1.25	25.00
Sample Drying at 105°C, <3.0kg [G_DRY10]	20	2.40	48.00
Crush <3.0kg, 2mm, 75% passing [G_CRU21]	20	4.45	89.00
Pulverize 250g, Cr steel, 75 microns, 85% passing [G_PUL45]	20	4.40	88.00
Riffle splitting, per kg [G_SPL26]	20	0.84	16.80
Exploration grade 50g Pb fusion, ICPOES [GE_FA1515]	20	19.65	393.00

SGS CANADA INC  
 185 CONCESSION STREET  
 LAKEFIELD ON N0L 2H0  
 (505) 652-3375

TERM ID: 149381655 BATCH: 211  
 SHIPTH 001

Sale

INV# 000000001 Manual  
 VISA 100 11001001001

\*\*\*\*\*5648

Total: CAD\$ 745.57

APPROVED 023379

001-010

25-Jan-16 16:34:09

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SGS CANADA INC  
 185 CONCESSION STREET  
 LAKEFIELD ON N0L 2H0  
 (505) 652-3375

TERM ID: 149381655 BATCH: 211  
 SHIPTH 001

Sale

INV# 000000001 Manual  
 VISA 100 11001001001

Total: CAD\$ 745.57

APPROVED 023379

001-008

25-Jan-16 16:34:09

CUSTOMER COPY

Total Services	659.80
Tax	85.77
<b>Total CAD</b>	<b>745.57</b>