# Report on Rock Sample Assays from the Heron Pond Prospect, Black River South Property Grimsthorpe Township, Ontario

For Union Glory Gold Limited Toronto, Ontario

By: Robert Dillman of Arjadee Prospecting

March 14, 2013

### INDEX

|  | page |
|--|------|
| Summary                                  | 2    |
| Location, Property Ownership, Access     | 2    |
| Land Status and Topography               | 7    |
| Regional and Local Geology               | 7    |
| <b>Economic Mineralization</b>           | 11   |
| History of Exploration                   | 11   |
| Survey Dates and Personnel               | 13   |
| Survey Logistics                         | 13   |
| Assay Results                            | 13   |
| Sample Description: Heron Pond-1         | 15   |
| Sample Description: Heron Pond-2         | 16   |
| Sample Description: Heron Pond-3         | 17   |
| Sample Description: Heron Pond-4         | 18   |
| Sample Description: Heron Pond-5         | 19   |
| Sample Description: Heron Pond-6         | 20   |
| Discussion of Results                    | 21   |
| <b>Conclusions and Recommendations</b>   | 21   |
| References                               | 23   |
| Certificate of Author                    | 24   |
| Figure 1. PROPERTY LOCATION MAP          | 3    |
| Figure 2. CLAIM MAP                      | 4    |
| Figure 3. TOPOGRAPHY MAP AND LAND STATUS | 5    |
| Figure 4. REGIONAL GEOLOGY MAP           | 8    |
| Figure 5. PROPERTY GEOLOGY MAP           | 10   |
| Figure 6. GEOLOGY OF HERON POND          | 12   |
| Figure 7. LOCATION OF ROCK SAMPLES       | 14   |
| Table 1 Claim I existing                 |      |
| Table 1. Claim Logistics                 | 6    |
| Table 2. Budget For Proposed Exploration | 22   |
| Appendix I                               |      |
| Assay Certificates                       | 25   |
| Assay Receipts                           | 27   |

#### **Summary**

This report summarizes the results for assays on six rock samples collected from a trench on the Heron Pond Prospect located on the Black River South Property in Grimsthorpe Township, Ontario. The rock samples were obtained by Jim Chard during the initial sampling stage for a petrologic study of the rocks associated with the Heron Pond gold zone. Assays for gold, silver, zinc and antimony were not completed in time to be included in the petrology report. The assays on samples of quartz veins from the prospect showed high concentrations of gold, silver and zinc and low concentrations on antimony.

#### 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). Table 1. summarizes the logistics of the mining claims. 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 via the Lingham Lake Forest Access Road which crosses through the west side of the property. The Lingham Lake Access Road intersects with the Skootamatta Forest Access Road 4.5 km north of the property. The Skootamatta Forest Access Road is also a seasonal road and extends from the town of Gilmour located on the Weslemkoon Road to the town of Northbrook located on Provincial Highway 41. The Skootamatta Road is not maintained in the winter. A four-wheel drive truck was used to access the property during this survey.

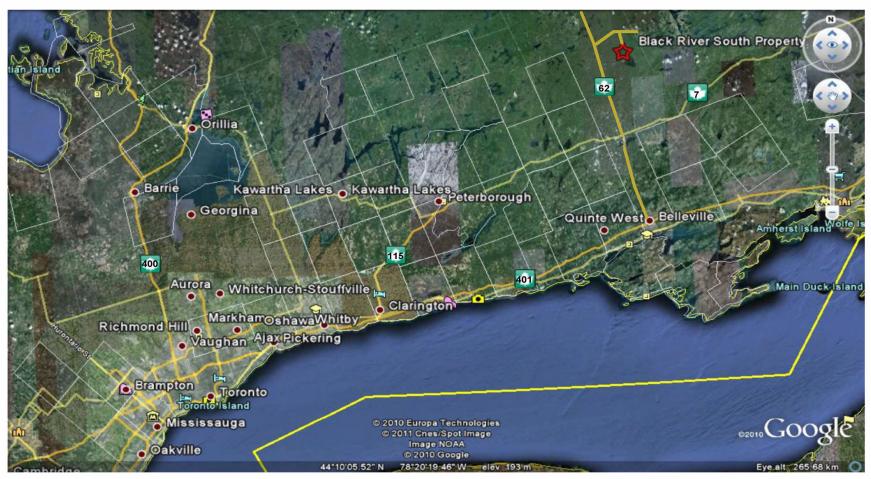
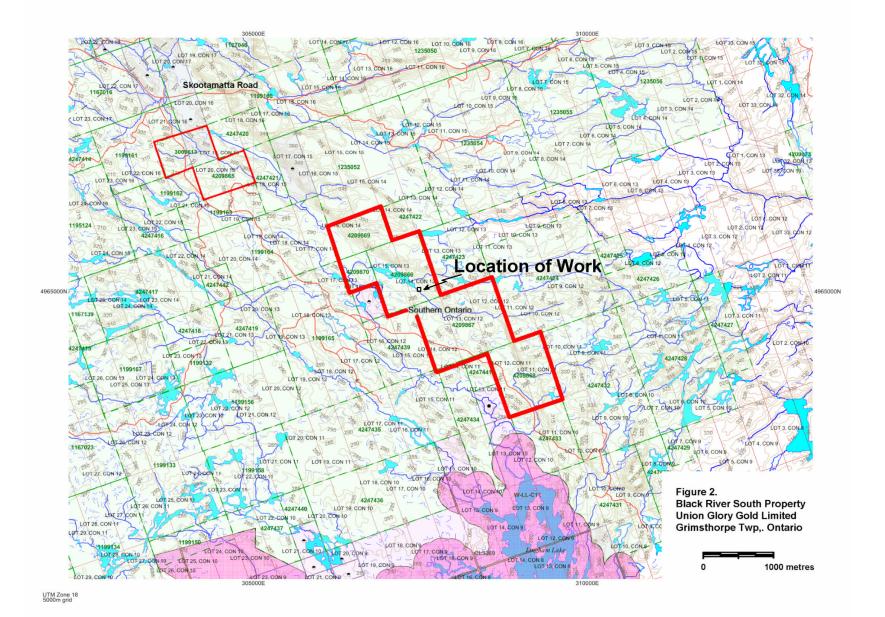
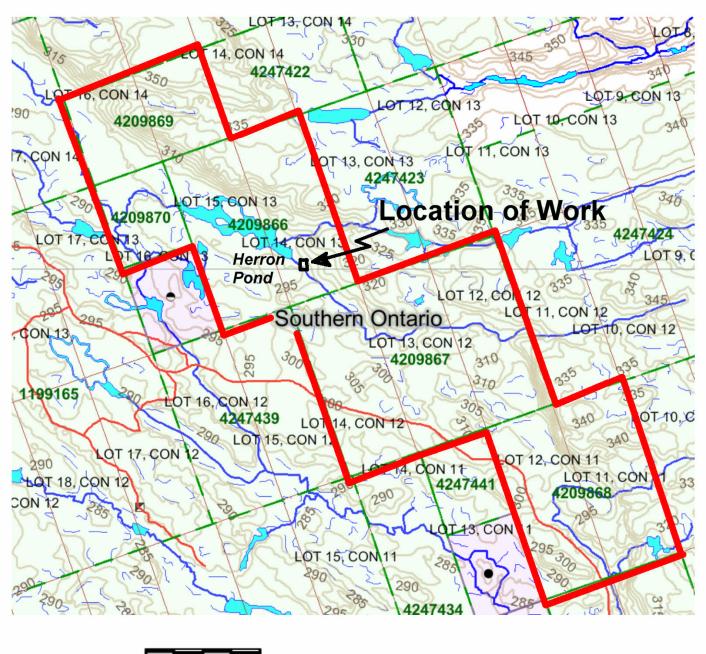


FIGURE 1.
PROPERTY LOCATION MAP
BLACK RIVER SOUTH PROPERTY
GRIMSTHORPE TWP., ONTARIO
UNION GLORY GOLD LIMITED





0

250 500 metres
Figure 3.
Topography and Land Status
Black River South Property
Union Glory Gold Limited
Grimsthorpe Twp., Ontario

Table 1. **Claim Logistics** Black River South Property Grimsthorpe Twp., Ontario

| Claim<br>Number | Location                       | Number of Units | Size<br>Hectares | Assessment Due Date | Amount Due   | Assessment Bank |
|-----------------|--------------------------------|-----------------|------------------|---------------------|--------------|-----------------|
| 4209866         | Lot's 14 & 15, Conc. XIII      | 4               | 80 ha            | 02/ 09/ 2013        | \$1600       | \$0             |
| 4209867         | Lot's 12, 13 & 14, Conc. XII   | 6               | 120 ha           | 02/ 09/ 2013        | \$2400       | \$2,409         |
| 4209868         | Lot's 11 & 12, Conc. XI        | 4               | 80 ha            | 02/ 09/ 2013        | \$1600       | \$73            |
| 4209869         | Lot's 15 & 16, Conc. XIV S.1/2 | 2               | 40 ha            | 02/ 09/ 2013        | \$800        | \$0             |
| 4209870         | Lot's 16, Conc. XIII N.1/2     | 1               | <u>20 ha</u>     | 02/ 09/ 2013        | <u>\$400</u> | \$0             |
|                 |                                | 17 Units        | 340 ha           |                     | \$6,800      | \$2,488         |

#### Title:

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

NOL 1WO

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 as "Crown Land" by the Ontario Government. The property is uninhabited and no hydro electricity exists. There is a small cabin on Lot 14, Concession 13 which is used for hunting purposes.

Most 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 outcrops of bedrock or are covered by a thin layer of reddish-brown glacial till soil.

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. East of the river the property is crossed by a steep, northwest-southeast orientated ridge of outcrop ranging approximately 50 metres high.

The west side of the property is crossed by the Black River. The river in the vicinity to the property is small and flows gently towards the south. It eventually drains into Lingham Lake several kilometres from the property.

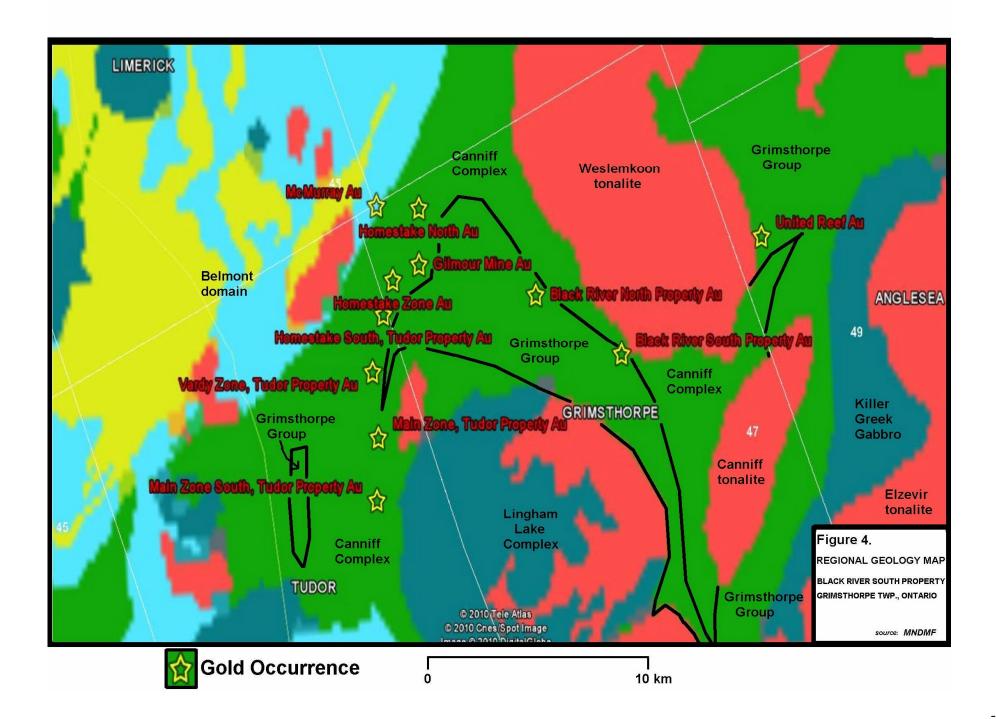
Parts of the property have been clear-cut logged in the last 5 years. There are numerous new skidder trails and access roads from the Lingham Lake Road.

#### **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:

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



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 follows the base of the northwest trending ridge situated east of Heron Pond. Outcrops northeast of the unconformity consist of metabasalts and metagabbro of the Canniff Complex. Outcrops west of the unconformity consist of northwest trending schistose metasedimentary units and metavolcanic flows of the Grimsthorpe Group. In the south section of the property, the position of the unconformity is unknown due to little exploration and increasing overburden and swamp.

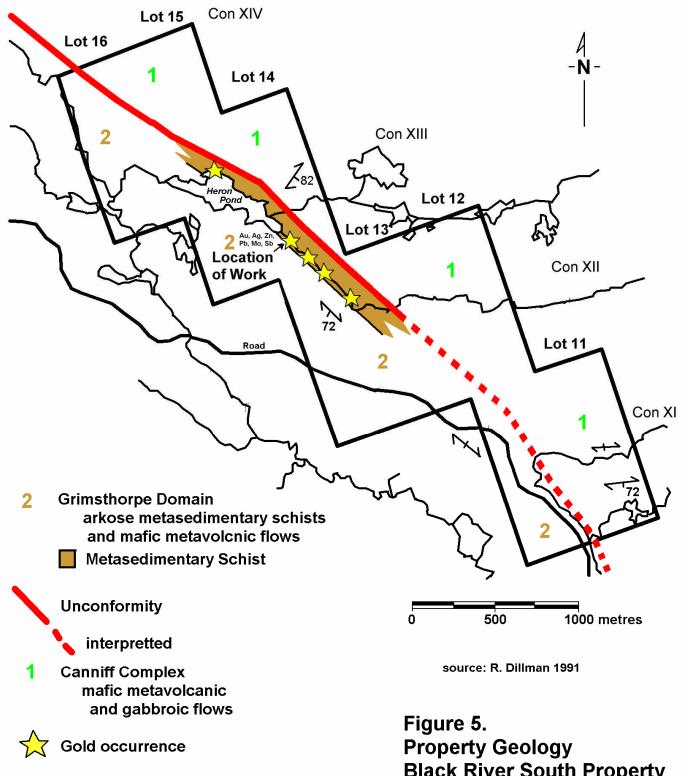
The Grimsthorpe Domain, notably along the Grimsthorpe-Canniff unconformity has been subjected to a variety of mafic and felsic intrusive rocks including:

- northwest trending felsic aplite dikes
- east-west striking gabbroic dikes
- small, circular gabbroic plutons

The Grimsthorpe Domain in the north area 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 on the property generally trend northwest-southeast and dip vertical to steeply southwest. In south section of the property, the strike of the Grimsthorpe Domain is almost  $90^0$  to the trend of the Canniff Complex.

The Grimsthorpe Domain in the project area has been subjected to amphibolite-biotite facies metamorphism. Metasedimentary units proximal to the Grimsthorpe-Canniff unconformity are variably sheared by local northwest trending structures but are not extensively carbonated like other shear zones in the region. The entire sequence is crossed by southwest to east-west orientated strike-slip faults. Some of the younger faults have displaced the unconformity. The crosscutting faults occur as tight, brittle fractures with no apparent deformation and as intense shear zones up to 25 metres wide with strong ductile deformation, carbonate and chlorite alteration and extensive quartz-carbonate veining.



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

#### **Economic Mineralization**

In the vicinity of Heron Pond, a series of gold occurrences have been discovered in metasedimentary rocks situated west of the Grimsthorpe-Canniff unconformity (Figure 6). The gold mineralization occurs in a variety of settings in the metasedimentary unit including:

- deformed, saccharoidal quartz veins mineralized with pyrite and arsenopyrite
- bluish-grey quartz stringers mineralized with pyrite and arsenopyrite
- silicified and breccia zones mineralized with pyrite and arsenopyrite.
- white crystalline quartz veins mineralized with pyrite, chlorite and carbonate.

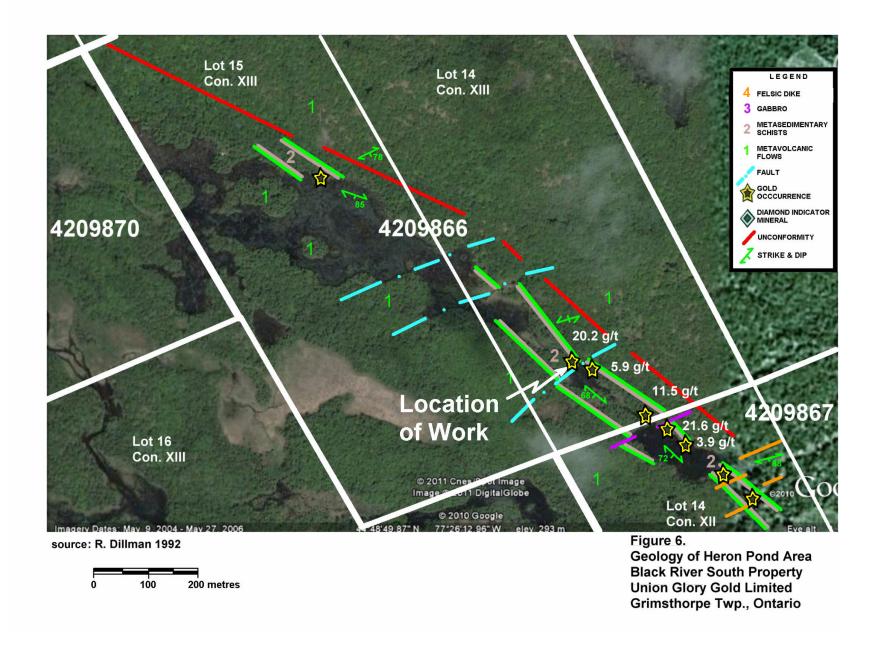
Assays have shown a wide variation in gold content ranging as high as 21.6 g/t gold. A sample of quartz with traces of sphalerite returned 5 oz/t silver and 3% zinc.

The gold bearing zone has been traced on surface roughly 1,300 metres. On a larger scale, the mineralization is a section of a 5 kilometre trend of gold occurrences situated close to the unconformity.

#### **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 remapped 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 completed on the property 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.



#### **Survey Dates and Personnel**

Six rock samples were collected on the Black River South Property by property owner, James M. Chard of Cordova Mines, Ontario on January 7, 2013.

Rock sample descriptions were obtained from the petrologic examination by Robert Barnett of R.L. Barnett Geoanalytical Consulting Ltd. and Jim Renaud of Renaud Geological Consulting Ltd., both from London, Ontario.

This report was compiled between March 13, 2013 and March 14, 2013 by property owner, Robert Dillman of Arjadee Prospecting located in Mount Brydges, Ontario.

#### **Survey Logistics**

Six rock samples were collect from two trenches located in the north half of lot 14, concession XIII. The GPS location of the trenches is 307520mE, 4964997mN (NAD 83, Zone 18)

The locations of the rock samples collected within the trenches are shown on Figure 7. The trenches were originally excavated by shovel in 1993 and 1996 by the author.

Rock samples were sent for analyses at SGS Minerals Inc. in Lakefield, Ontario. All six rock samples were analyzed for gold, silver and zinc. Three of the samples showing anomalous gold, silver and zinc were assayed for antimony. The assay certificates provided by SGS Minerals Limited are appended to this report.

For gold and silver assays, the lab used a standard fire assay method with a 30 gram lead fusion. For zinc, an Aqau Regia sample preparation plus Atomic Absorption Spectrum (AAS) method was chosen. For antimony analysis, an X-ray Refraction method was used.

#### **Assay Results**

Assay results are summarized with sample descriptions. Samples of quartz containing sulphides showed values ranging 2.88 to 5.58 g/t Au, 63.6 to 268 g/t Ag, 0.037 to 0.47% Zn and 0.005 to 0.024% Sb. Samples of amphibolitized wallrock adjacent to the veins showed 0.02 to 0.48 g/t Au, <10 g/t Ag and 0.011 to 0.016% Zn

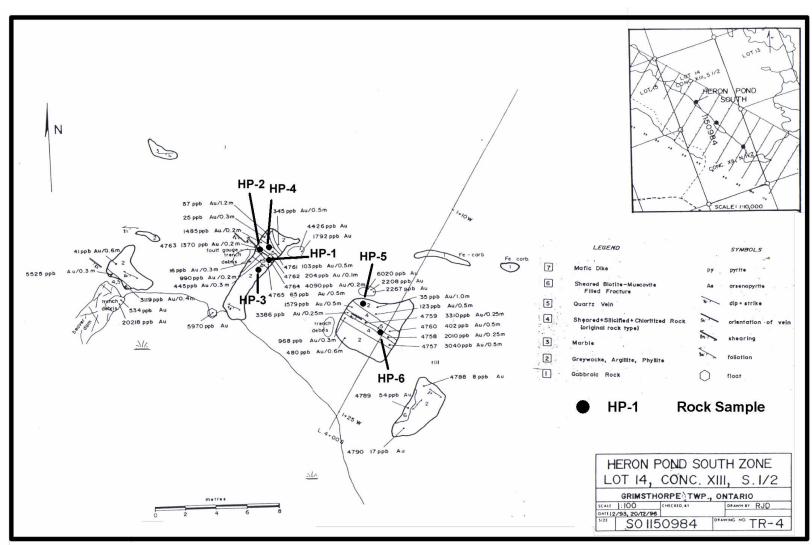


Figure 7.
Rock Sample Locations
Heron Pond Prospect
Black River South Property
Union Glory Gold Limited





The sample is a biotite-quartz-feldspathic schist with strong to moderate fabric throughout. Fine-grained foliated domains contain 15-20% pyrrhotite intergrown with idiomorphic arsenopyrite and occasional grains of chalcopyrite intergrown with abundant biotite. These sulphide minerals are intimately intergrown with the quartz and biotite. The planar fabric is disrupted by coarse patches of recrystallized and intimately intergrown biotite and sulphide minerals and there are linear vein-like regions of coarse sulphide and biotite intergrown with relatively coarse-grained twinned Ca-plagioclase (~An50). These coarse patchy domains and coarse sulphide-mica-feldspar veins represent fluid ingress in a post tectonic environment. The sample contains 2% ilmenite scattered evenly throughout and occasional grains of scheelite.

In summary, this sample is an attenuated pyrrhotite-rich biotite-quartzo-feldspathic schist with coarse pyrrhotite-plagioclase veinlets. Pyrrhotite is replaced pervasively throughout by arsenopyrite.

Sample width: 0.20 m

**Type:** representative

**Assay Results** 

0.48 g/t Au <10 g/t Ag 0.013% Zn



The sample appears to consist entirely of quartz-rich vein material. Certain regions of the sample consist of extremely coarse-grained quartz and these regions are gradational into much finer-grained multigranular quartz domains that have occasional grains of paragonitic-muscovite. It is possible that these quartz sub-grains resulted from sub-grain development of the coarser quartz grains. The finer multigranular quartz regions consist of linear to interconnecting vein-like regions consisting of translucent red Fe-sphalerite. The sulphide component of these vein-like regions consist of 85% sphalerite, 5% pyrrhotite, and 3-4% concentrations of crystalline zoned arsenopyrite. Examination with the backscatter electron detector revealed that the sample also contains <1% galena with triangular polishing pits present. The arsenopyrite throughout the sample has spectacular zonation pattern representing variations in As and Fe-contents within the arsenopyrite solid solution. Certain arsenopyrite grains have central regions with concentrations of galena, gudmundite (FeSbS), stephanite (Ag<sub>5</sub>SbS<sub>4</sub>), argentite (AgS) and Ag-bearing tetrahedrite.

Sample width: 0.18 m

Type: representative

#### **Assay Results**

4.23 g/t Au 268 g/t Ag 0.47% Zn 0.024% Sb





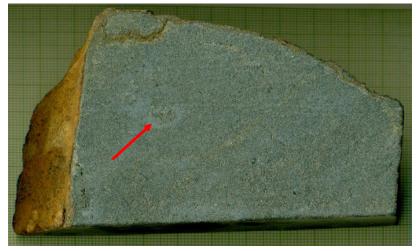
The rock is a biotite quartzo-feldspathic schist with broad domains of highly acicular deepgreen Fe-rich tschermakitic amphibole. The sample is cut by later veinlets, generally aligned with the fabric, containing pyrrhotite partly replaced by arsenopyrite with pyrite developed by replacement of pre-existing pyrrhotite. Minor amounts of chalcopyrite occur throughout. Importantly, the later veinlets contain an abundance of calcite and calcite also occurs in patchy domains throughout. Individual amphibole needles have an abundance of quartz and feldspar inclusions. This texture is interpreted to indicate rapid growth. The green hornblendic amphibole according to strict amphibole nomenclature are actually Fe-rich tschermakitic hornblende with consistently elevated aluminum contents approaching 16 wt% Al<sub>2</sub>O<sub>3</sub> and elevated sodium content approaching 1.25 wt% Na<sub>2</sub>O. As such, the composition of these amphiboles indicates they formed in a high temperature metamorphic environment. The abundance of inclusions provides textural evidence that these amphibole needles and compositions formed in a high temperature contact metamorphic environment.

Sample width: 0.20 m

**Type:** representative

**Assay Results** 

0.02 g/t Au <10 g/t Ag 0.016% Zn





The hand specimen appears as a medium green fine-grained material with discontinuous linear rounded domains of recrystallization (red arrow). The finer-grained domains of the sample are extremely fine intergrowths of biotite, quartz, and Ca-plagioclase with only a minor sulphide and ilmenite component. These fine-grained domains are cut and penetrated by interconnecting vein-like regions of quite coarse-grained Ca-plagioclase feldspar intergrown with an abundance of pyrrhotite. An example of these domains in evident in hand specimen noted by patch domains of mineral growth (top left – red arrow). The sample is without fabric and the finer grained domains have a recrystallized aspect. The coarse pyrrhotite, Ca-plagioclase, quartz veinlets are sites of ingress of hydrothermal solutions. These solutions induced the recrystallization of biotite and the development of coarse biotite patches. It is important to note that these vein-like regions also contain coarse plates of biotite within the pyrrhotite and numerous concentrations of epidote and apatite in feldspar in addition to clusters of deep green tourmaline grains. Individual grains within the pyrrhotite domains are replaced by later retrogressive pyrite indicating continued ingress of hydrothermal fluids at lower temperatures.

**Sample width:** 0.20 m **Type:** representative

Assay Results 0.02 g/t Au <10 g/t Ag 0.011% Zn



The specimen consists of a central region of relatively coarse-grained white quartz with two apparent marginal zones of dark black biotitic sulphide material. The dark sulphidic material consists of discontinuous linear trails of coarse pyrrhotite and red-brown biotite intergrown with a pre-existing mineral, likely Ca-plagioclase, now replaced by muscovite and albitic feldspar. The sulphides within these domains include translucent red Fe-sphalerite, pyrrhotite, arsenopyrite, galena with lesser amounts of chalcopyrite. One interesting and important grain is a single arsenopyrite with pyrrhotite inclusions is intergrown with galena and stephanite (Ag<sub>5</sub>SbS<sub>4</sub>) (Plate 7). Detailed relationships within these sulphide domains indicate that the original pyrrhotite was initially replaced at elevated temperatures by arsenopyrite in association with galena and chalcopyrite. Abundant textures indicate that at lower temperatures, pyrrhotite was replaced by pyrite and in some examples, primary pyrite cubes may have developed from retrogressive hydrothermal solutions. It is interesting to note that there are linear grains of chlorite that occur within the sulphides. The interpretation is that this chlorite has replaced higher temperature biotite within the lower temperature hydrothermal regime.

The two symmetrical disposed zones of pyrite, pyrrhotite, arsenopyrite, galena, and occasional grains of stephanite are interpreted to be linear slivers and fragments of original wall rock material incorporated into later multigranular quartz. This sample has many similarities with sample HP2 that is essentially coarse multigranular quartz with a similar inventory of sulphide minerals including a number of different silver-antimony minerals.

Sample width: 0.15 m

Type: representative

**Assay Results** 

2.88 g/t Au 63.6 g/t Ag 0.15% Zn 0.006% Sb





The sample contains a broad linear dark zone consisting of abundant biotite-phlogopite solid solution intergrown with abundant pyrrhotite with minor development of arsenopyrite. These dark domains are penetrated by discontinuous zones of multigranular quartz with a pale yellow colour in hand specimen and included within coarser-grained, colourless multigranular quartz. In comparison to other samples examined, both the sulphide and silicate minerals provide abundant textural evidence for retrogressive processes and mineral reactions. Original biotite grains are replaced by chlorite-muscovite and Ca-plagioclase noted in other samples are now represented by fine-grained domains of quartz, albitic feldspar, and muscovite. In certain areas, original pyrrhotite is replaced directly by arsenopyrite. In other regions, it is apparent that pyrrhotite originally consumed by arsenopyrite is now almost pervasively replaced by lower pyrite. The regions of pyrrhotite and arsenopyrite replacement are considered to represent relict domains of earlier stage, higher temperature, mineralization in which the original pyrrhotite stable under reducing conditions at higher temperatures was directly replaced by arsenopyrite. Large areas of linear pyrite in this sample are considered to form at lower temperatures in a more evolved hydrothermal regime. The pre-existing biotites and plagioclase were retrogressed to chlorite and muscovite by the same lower temperature solutions that converted pyrrhotite to pyrite. Importantly, this sample was found to contain a single grain of electrum included along with a number of smaller galena grains within arsenopyrite. This arsenopyrite contains numerous inclusions and relict domains of pyrrhotite. The interpretation is that the gold and silver were introduced into the rock volume of this sample by earlier stage higher temperature hydrothermal solutions.

**Sample width:** 0.20 m **Type:** representative

**Assay Results** 

5.58 g/t Au 148 g/t Ag 0.037% Zn 0.005% Sb

#### **Discussion of Results**

The high gold-silver-zinc values are associated with quartz veins and silicified zones which occur in the lower most units of the Grimsthorpe Domain at the unconformity with the Canniff Lake Complex. The units mostly consist of sheared, amphibolitized and potassic altered metasedimentary rocks and volcanic interflows of basalt or fine-grained gabbro. The Heron Pond Zone is part of a gold bearing structure situated close to the unconformity and has been traced intermittently by prospecting for a distance of 5 kilometres. Much of the mineralized trend is situated northwest from Heron Pond however, very little exploration has occurred in the vicinity of the unconformity in the south section of the Black River South property.

#### **Conclusions and Recommendations**

The assay results show high concentrations of gold, silver and zinc in quartz veins and silicified rocks of the Grimsthorpe Domain situated close to the unconformity with the Canniff Lake Complex. The extent of the mineralization is not known and further work is recommended to determine the size of the zone. An exploration program combining additional rock sampling, trenching, geological mapping and ground magnetometer and VLF surveys is warranted. This work should focus on exploring the metasedimentary unit of the Grimsthorpe Domain situated along the unconformity. The work is estimated to cost \$64,800 and a budget is outlined in Table 2.

PRACTISING MEMBER

Respectfully submitted,

Robert James Dillman

**Arjadee Prospecting** 

P.Geo

B.Sc., P.Geo

Robert Dillman

### **Table 2. Budget For Proposed Exploration**

| Line Cutting/ Grid     | Work                         |          |                |
|------------------------|------------------------------|----------|----------------|
| Line Cutting           | 21 km @ \$400 / km           | \$8,400  |                |
| Food, Hotel,           | Transportation               | 3,000    |                |
|                        |                              | \$11,400 | \$11,400       |
| Prospecting, Geolo     | gical Work                   |          |                |
| Prospecting            | 2 men x \$350 /day x 14 days | \$9,800  |                |
| Assays                 | 50 samples @ \$42 / sample   | 2,100    |                |
| Food, Hotel,           | Transportation               | 3,000    |                |
| Maps, Repor            | ts                           | 3,500    |                |
|                        |                              | \$18,400 | \$18,400       |
| Trenching              |                              |          |                |
| Excavator \$           | 1,200 /day x 5 days          | \$6,000  |                |
| Assays                 | 100 samples @ \$42 / sample  | 4,200    |                |
| Food, Hotel,           | Transportation               | 1,500    |                |
| Maps, Repor            | ts                           | _3,500   |                |
|                        |                              | \$15,200 | \$15,200       |
| <b>Ground Magnetom</b> | eter and VLF Survey          |          |                |
| Survey                 | 21 km @ \$300 / km           | \$6,300  |                |
| Food, Hotel,           | Transportation               | 1,500    |                |
| Maps, Repor            | ts                           | _3,500   |                |
|                        |                              | \$11,300 | \$11,300       |
| <b>Contingency</b> 15% |                              |          | <u>\$8,500</u> |
|                        |                              |          |                |

Total

\$64,800

#### **References**

- Barnett, R. L., Renaud, J. and 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 file.
- 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. 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 22 years.
- 6. Unless stated otherwise, **I am responsible** for the preparation of all sections of the Assessment Report titled:

Report on Rock Sample Assays from the Heron Pond Prospect, Black River South Property, Grimsthorpe Township, Ontario.

dated, March 14, 2013

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 14th day of March, 2013

Robert James Dillman Ariadee Prospecting P.Geo



**SGS Canada Inc.**P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Walk In Minerals ON

Attn: Robert Dillman

8901 Reily Dr Mount Brydges Ont N0G 1W0 519-264-9278 February-25-13

Date Rec.: 15 January 2013 LR Report: CA02485-JAN13

#### **CERTIFICATE OF ANALYSIS**

#### **Final Report**

| Sample ID     | Au<br>g/t | Ag<br>g/t | Zn<br>% | Weight<br>g |
|---------------|-----------|-----------|---------|-------------|
| 1: Sample # 1 | 0.48      | < 10      | 0.013   | 337         |
| 2: Sample # 2 | 4.23      | 268       | 0.47    | 617         |
| 3: Sample # 3 | 0.02      | < 10      | 0.016   | 385         |
| 4: Sample # 4 | 0.02      | < 10      | 0.011   | 492         |
| 5: Sample # 5 | 2.88      | 63.6      | 0.15    | 453         |
| 6: Sample # 6 | 5.58      | 148       | 0.037   | 542         |

Control Quality Analysis - not suitable for commercial exchange

Debbie Waldon Project Coordinator,

Minerals Services, Analytical

In Ine LIMS

Page 1 of 1

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#### SGS Canada Inc.

P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO Phone: 705-652-2000 FAX: 705-652-6365

#### Walk In Minerals ON

Attn: Robert Dillman

8901 Reily Dr Mount Brydges Ont NOG 1W0 519-264-9278 February-27-13

Date Rec.: 25 February 2013 LR Report: CA03214-FEB13

#### **CERTIFICATE OF ANALYSIS**

#### **Final Report**

| Sample ID    | Sb<br>% |
|--------------|---------|
| 1: Sample #2 | 0.024   |
| 2: Sample #5 | 0.006   |
| 3: Sample #6 | 0.005   |

Control Quality Analysis - not suitable for commercial exchange Please note: Additional assays requested by client - Sb by XRF

> Debbie Waldon Project Coordinator,

Minerals Services, Analytical

nLine LIMS

Page 1 of 1

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(5835) Walk In Minerals ON 8901 Reily Dr Mount Brydges Ont N0G 1W0 519-264-9278

Attn: Robert Dillman

Printed: February 22, 2013 Received: January 15, 2013 SGS Tax ID GST/HST/TPS#R105082572 QST/TVQ#R101050500

Lr. Ref.: CA02485-JAN13

| Qty | Analysis  | Description                  | \$ Unit      | \$ Total |
|-----|-----------|------------------------------|--------------|----------|
| 6   | Zn        | Zn AAS - single element      | 17.00        | 102.00   |
| 6   | Pb Fusion | 30 g Lead Fusion Sample Prep | 12.00        | 72.00    |
| 6   | Au        | Au PM Assay - single element | 17.00        | 102.00   |
| 6   | Ag        | Ag PM Assay - single element | 17.00        | 102.00   |
| 6   | AR Metals | Aqua Regia Sample Prep       | 11.00        | 66.00    |
| 6   | Weight    | Weighing and Reporting       | 1.25         | 7.50     |
| 6   | CRU21     | Crush 75% passing 2mm        | 4.35         | 26.10    |
| 6   | Split     | Riffle Split                 | 3.00         | 18.00    |
| 6   | Pulv200M  | Pulverize 250g 85% 75um      | 4.35         | 26.10    |
|     |           |                              | SUB TOTAL \$ | 521.70   |
|     |           | Analysis                     | 521.70       | 521.70   |
|     |           | HST 13 %                     | 67.82        | 589.52   |
|     |           | - Advance Payment            | 589.52       | 0.00     |
|     |           |                              | TOTAL \$     | 0.00     |

Paid By Visa Feb 22,13 Thanks

TERM ID: D4381695

Sale INV#: 000000002 \*\*\*\*\*\*\*\*\*\*\*5648

Manu SEQ#: 4110010016 589.E

Total:CAD\$ APPROVED 056981 001/00

CUSTOMER COPY

22-Feb-13

\*\* Invoice in Canadian Funds unless stated otherwise \*\*



#### RECEIPT

(5835) Walk In Minerals ON Mr. Robert Dillman 8901 Reily Dr Mount Brydges Ont NOG 1W0 519-264-9278

Attn: Robert Dillman

Printed: February 27, 2013 Received: February 25, 2013 SGS Tax ID GST/HST/TPS#R105082572 QST/TVQ#R101050500

Lr. Ref.: CA03214-FEB13

| Qty | Analysis   | Description             | \$ Unit      | \$ Total |
|-----|------------|-------------------------|--------------|----------|
| 3   | Internal S | XRF - Internal Standard | 11.00        | 33.00    |
| 3   | Sb         | XRF - single element    | 17.00        | 51.00    |
|     |            |                         | SUB TOTAL \$ | 84.00    |
|     |            | Analysis                | 84.00        | 84.00    |
|     |            | HST 13 %                | 10.92        | 94.92    |
|     |            | - Advance Payment       | 94.92        | 0.00     |
|     |            |                         | TOTAL \$     | 0.00     |

Paid By Visa Feb 27,13 Thanks

SGS CAMADA INC.

185 CONCESSION STREET
POSTAL 886 4390
LAKETIELD. NO. NOL 2000
TEL (3965)364-3757

TERM ID: D4381695

Sale
INVH: 00000003
VISA

Total:CAD\$
94.92
APPROVED 089336
001-00

27-Feb-13

08:46:29

CUSTOMER COPY

<sup>\*\*</sup> Invoice in Canadian Funds unless stated otherwise \*\*