

# **MERREX**GOLD

**2007 Surface Exploraton Report  
On  
Merrex Gold Inc.'s  
Shabumeni Lake Property**

**Red Lake District,  
Northwestern Ontario**



**2 · 37654**

**February 6th, 2008**

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**1.0 SUMMARY**

Clark Exploration Consulting of Thunder Bay, Ontario was contracted by Merrex Gold Inc. to conduct a surface exploration program on their Shabumeni Lake Property (the "Property") located within the Red Lake Mining Division.

The Shabumeni Lake Property is located approximately 80 kilometres east-northeast of the town of Red Lake, Ontario. The Property consists of 22 contiguous, unpatented mining claims, totalling 270 units and covering 4320 hectares. These claims are located within Shabumeni Lake Township (Figure 2).

The property lies within the Archean Birch-Uchi Greenstone Belt of the western Uchi Subprovince of NW Ontario. This belt records a stratigraphic history that spanned approximately 290 Ma, involving repeated episodes of rifting, and associated depositional and magmatic phases. The property covers a portion of a deformation zone that forms an easterly splay off the regional northeast trending Swain Lake Deformation Zone.

The 2007 surface exploration program focused on the central portion of the property. The program was mainly designed to focus on known historical showings and evaluate their mineral potential, but also to conduct geological mapping, prospecting, and sampling on a regional scale to gain a better understanding of the geological control for the emplacement of the gold bearing quartz veins.

The program consisted of geological mapping, prospecting, trenching, and sampling. A total of 39 grab samples, 221 channel samples, 23 ICP, and 43 humus samples were collected during the program.

The program succeeded in returning anomalous gold values from both previously known and unknown mineral occurrences on the property.

A \$300,250 exploration program is required to continue to assess the potential of economic gold mineralization.

## 2.0 INTRODUCTION

Clark Exploration Consulting of Thunder Bay, Ontario was contracted by Merrex Gold Inc. to conduct a surface exploration program on their Shabumeni Lake Property (the "Property") located within the Red Lake Mining Division.

The property is located approximately 80 kilometres east-northeast of the town of Red Lake, Ontario. The Property consists of 22 contiguous, unpatented mining claims, totalling 270 units and covering 4320 hectares. These claims are located within Shabumeni Lake Area Township (Figures 1 & 2).

The Red Lake properties lie approximately 80 kilometres east-northeast of the town of Red Lake, Ontario. The area lies within the Archean Birch-Uchi Greenstone Belt of the western Uchi Subprovince of NW Ontario. This belt records a stratigraphic history that spanned approximately 290 Ma, involving repeated episodes of rifting, and associated depositional and magmatic phases.

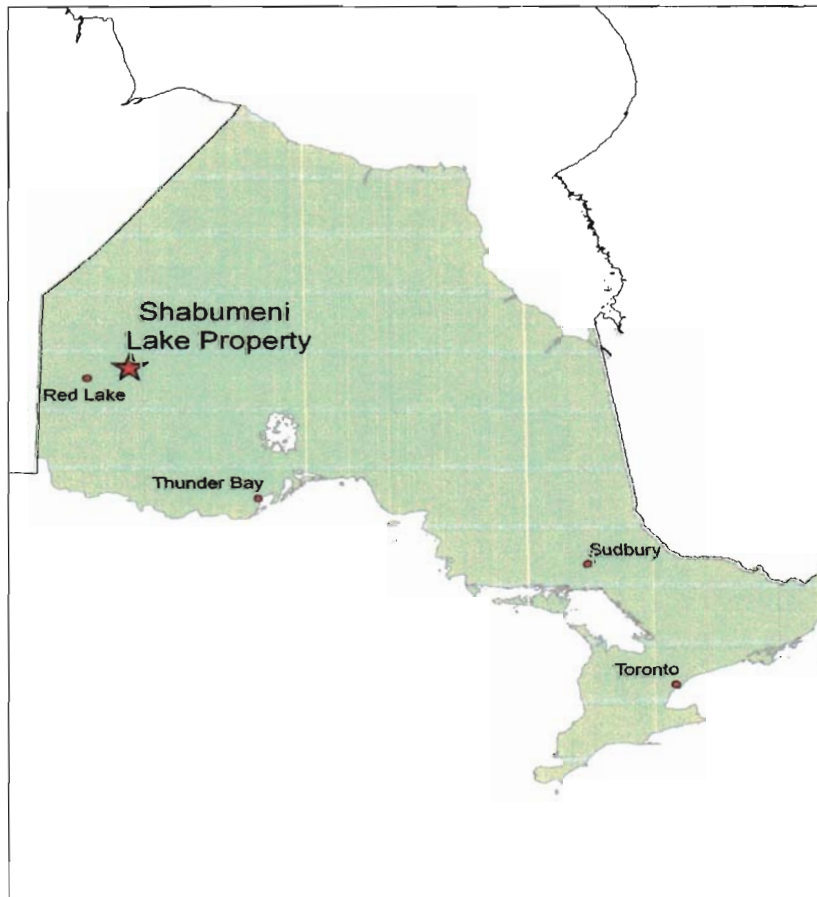


Figure 1: Location of Project Area

### **3.0 PROPERTY DETAILS**

#### **3.1 Location and Access**

The Shabumeni Lake Property is located approximately 80 km east-northeast of Red Lake, Ontario (Figure 2 & 3) in Shabumeni Lake Area Township. The property can be accessed by float or ski equipped plane. The approximate UTM co-ordinates for the centre of the property are 526477E, 5686375N (Datum NAD 83 Zone 15).

Exploration crews can be accommodated at a base camp constructed in September 2007 on Shabumeni Lake at 526180E, 5686540N. Tents need to be supplied, but the floor and structures, as well as a privy are in place. A local outpost cabin located on Shabumeni Lake suitable for up to 12 people can be rented from L&M Fly-In Outposts ([www.lmflyin.com](http://www.lmflyin.com)).

Charter aircraft are readily available in the Town of Red Lake and Cochenour, Ontario.

The Red Lake district, population 4,700, is located at the end of Highway #105 which is 175 km north of Kenora on the Trans-Canada highway. The town is serviced by regular air flights from Thunder Bay and Winnipeg, 7 days a week. The local population includes skilled tradesmen and experienced underground miners. All necessary supplies are available locally or in Winnipeg and Thunder Bay.

#### **3.2 Topography and Vegetation**

Lakes cover approximately 10-35% of the properties. Topography is generally gentle with elevations ranging from 400 to 440 meters above sea level. A mixed forest of mostly spruce, balsam, poplar and birch covers the claims, with swampy vegetation in low-lying areas and local areas of forest blow-down.

Temperatures range from highs of 35° C in summer to lows of -30° C in winter, with snow cover between November and May. The best season for exploration is between June and October, although in lake covered or swampy areas exploration activities such as geophysical surveys and diamond drilling might best be conducted after winter freeze up.

#### **3.3 Claims**

The property comprises 21 contiguous, unpatented mining claims totalling 270 units and covering 4320 hectares (Table 1, Figure 2).

Table 1. Claim Details for the Shabumeni Lake Property

Claim Number	Units	Recording Date	Claim Due Date	% Option	Work Req'd	Total Applied	Total Reserve	Claim Bank
<a href="#">1247895</a>	<u>6</u>	2003-Jul-28	2008-Jul-28	100%	\$2,400	\$7,200	\$15,101	\$0
<a href="#">1248661</a>	<u>16</u>	2002-Apr-08	2008-Apr-08	100%	\$2,580	\$29,420	\$0	\$0
<a href="#">1248663</a>	<u>16</u>	2002-Apr-08	2008-Apr-08	100%	\$6,400	\$25,600	\$0	\$0
<a href="#">1248665</a>	<u>15</u>	2002-Apr-08	2008-Apr-08	100%	\$6,000	\$24,000	\$0	\$0
<a href="#">1248666</a>	<u>3</u>	2002-Apr-08	2008-Apr-08	100%	\$1,200	\$4,800	\$0	\$0
<a href="#">1248667</a>	<u>15</u>	2002-Apr-08	2008-Apr-08	100%	\$5,600	\$24,400	\$1,831	\$0
<a href="#">4207408</a>	<u>15</u>	2006-Sep-26	2008-Sep-26	100%	\$6,000	\$0	\$0	\$0
<a href="#">4211605</a>	<u>16</u>	2006-Jul-27	2008-Jul-27	100%	\$6,400	\$0	\$0	\$0
<a href="#">4211606</a>	<u>16</u>	2006-Jul-27	2008-Jul-27	100%	\$6,400	\$0	\$0	\$0
<a href="#">4211607</a>	<u>16</u>	2006-Jul-27	2008-Jul-27	100%	\$6,400	\$0	\$0	\$0
<a href="#">4219831</a>	<u>2</u>	2007-May-31	2009-May-31	100%	\$800	\$0	\$0	\$0
<a href="#">4219846</a>	<u>16</u>	2007-May-31	2009-May-31	100%	\$6,400	\$0	\$0	\$0
<a href="#">4219848</a>	<u>16</u>	2007-May-31	2009-May-31	100%	\$6,400	\$0	\$0	\$0
<a href="#">4219849</a>	<u>16</u>	2007-May-31	2009-May-31	100%	\$6,400	\$0	\$0	\$0
<a href="#">4219850</a>	<u>16</u>	2007-May-31	2009-May-31	100%	\$6,400	\$0	\$0	\$0
<a href="#">4219855</a>	<u>4</u>	2007-May-31	2009-May-31	100%	\$1,600	\$0	\$0	\$0
<a href="#">4219856</a>	<u>16</u>	2007-May-31	2009-May-31	100%	\$6,400	\$0	\$0	\$0
<a href="#">4219876</a>	<u>12</u>	2007-May-31	2009-May-31	100%	\$4,800	\$0	\$0	\$0
<a href="#">4219879</a>	<u>16</u>	2007-May-31	2009-May-31	100%	\$6,400	\$0	\$0	\$0
<a href="#">4219898</a>	<u>6</u>	2007-May-31	2009-May-31	100%	\$2,400	\$0	\$0	\$0
<a href="#">4222413</a>	<u>16</u>	2007-Aug-23	2009-Aug-23	100%	\$6,400	\$0	\$0	\$0

#### 4.0 PROPERTY HISTORY

The Shabumeni Block can be divided into a north and south portion when examining the history of exploration.

The exploration on the *south* portion of the claims can be summarized as:

1966: Dome Exploration completed a series of 6 (1908 feet) drill holes that tested an electromagnetic anomaly that trends north south up the peninsula. Assays of the drilling were low but visible gold was noted in a ½ inch quartz carbonate veinlet.

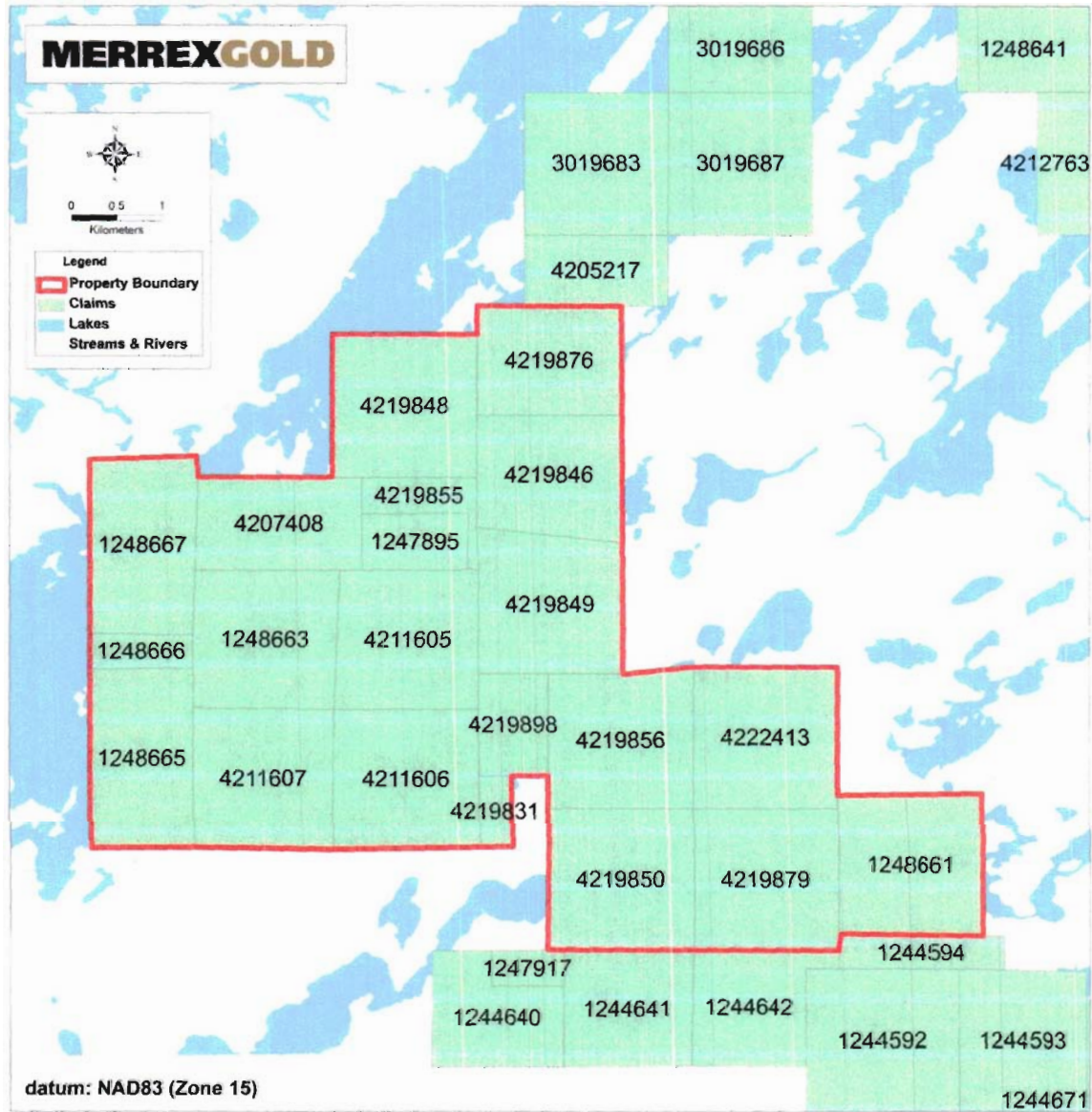


Figure 2: Current Mining Claims for the Shabumeni Lake Property

1975-78: McIntyre Mines Limited completed magnetic, electromagnetic and geology surveys and one diamond drill hole on the peninsula area (similar area to Dome).

1987: Dome Exploration went back and completed one hole under the area of the reported visible gold.

2003: Jilbey Gold Exploration Ltd. completed airborne magnetic and electromagnetic surveys followed up by ground magnetic, soils and rock sampling and mobile metal ion (MMI) soil geochemistry.



2005: Jammin Rock Resources completed an airborne Electromagnetic and magnetic survey over the entire property.

The exploration on the *north* portion of the claims can be summarized as:

1960? Original trenches on quartz-sulfide veins completed by unknown operators.

1969: Falconbridge Nickel completed an electromagnetic survey.

1981: Minorex Ltd. staked the northern portion of the property. Geological mapping, magnetic and VLF-EM surveys and assaying were completed and series of eight gold bearing quartz vein zones discovered.

- Zone 1 (Main Zone): Composed of four veins with strike length of 280 feet. Veins are sub-parallel in a 15 foot wide zone. Vein #3 was best vein with a 104 foot length, 1.62 feet wide averaging 0.12 ounces gold per ton and 0.28 ounces silver per ton.
- Zone 2: Thirteen grabs assayed nil to 0.30 ounces gold per ton.
- Zone 3: Eight samples nil to 0.02 ounces gold per ton.
- Zone 4 (Iceberg): 2 inch to 2 foot quartz veins in a 7 foot shear. Thirteen grabs assayed nil to 0.16 ounces gold per ton.

Zone 5 (Snake): 3 – 5 inch quartz veins at the contact along a gabbro dike. Four assays range nil to 0.65 ounces gold per ton.

Zone 6 (Clap): Quartz veins up to 4 inches in mafic volcanics. Ten samples trace to 0.44 ounces gold per ton.

Zone 7: A series of 2-8 inch quartz veins in the quartz monzonite core of a gabbro intrusion. Fours grab samples assayed nil to 0.23 ounces gold per ton.

Zone 8: At the south end of a gabbro stock a four inch wide quartz lens assayed 0.22 ounces gold per ton.

1987: Marilyn Resources Inc. completed induced polarization, VLF-EM and magnetic surveys over the area defined by Minorex Ltd.. A four hole diamond drill program (~1200 feet) evaluated the two showings and the strike extensions. The program was completed concurrently and the author believed the holes could have been better targeted if the geophysics was available before drilling.

JG 87-1 intersected 0.4 ounces gold per ton over 3.5 feet and 0.10 ounces gold over 3.0 feet under the Main Zone.

JG 87-2 intersected 0.05 ounces gold per ton over 4.0 feet 50 feet north of JG 87-1.

JG 87-3 intersected 0.03 ounces gold per ton over 4.0 feet beneath the Iceberg Zone.

JG 87-4 was forecasted to have stopped short of the anomaly.

1990: A. Hagar (Milestone Resources) completed 19 holes in the area of the various gold showings. These holes targeted various IP targets and the known showings. 5 holes under the Main Zone, 8 beneath the Clap Zone and 1 under the Snake Zone.

Hole 1: IP target, 0.30 ounces gold per ton over 1.5 feet.

Hole 6: IP target, 0.04 ounces gold per ton over 4.7 feet.

Hole 11: IP target, 0.06 ounces gold per ton over 1.0 feet.

Hole 13: Main Zone, 0.08 ounces gold per ton over 2.3 feet in a quartz vein.

Hole 14: Main Zone, 0.12 and 0.10 ounces gold per ton over 1.2. and 2.0 foot quartz veins respectively.

Hole 15: Main Zone, 0.08 ounces gold per ton over 1.5 feet in a quartz vein.

Hole 16: Main Zone, 6.16 ounces gold per ton over 1.0 feet in a quartz vein.

Hole 19: Snake Zone, 0.12 ounces gold per ton over 1.4 feet in a chlorite shear with 10% pyrite.

2003: Jilbey Gold Exploration completed surface sampling on some of the known gold showings.

2006: Merrex Gold Inc. completed surface sampling and humus sampling over some of the known gold occurrences.

## **5.0 GEOLOGICAL SETTING**

### **5.1 Regional Geology**

The Red Lake Properties lie within the Archean Birch-Uchi Greenstone Belt of the western Uchi Subprovince of NW Ontario (Figure 3). This belt records a stratigraphic history that spanned approximately 290 Ma, involving repeated episodes of rifting, and associated depositional and magmatic phases. Unconformity-bounded sequences of mafic to felsic volcanic strata and primarily clastic sedimentary strata accumulated between ca. 2992 Ma and 2700 Ma upon a complex extensional architecture, which largely formed the template upon which later compressional structures were superimposed.

Supracrustal strata in the belt have been subdivided into 3 volcano-sedimentary mega-cycles (Stott & Corfu, 1992; Thurston, 1985) each comprising variably mafic to felsic volcanic strata and subordinate clastic sedimentary strata. From oldest to youngest these mega-cycles are comprised of the following assemblages:

- The Balmer Assemblage (2987 Ma) is primarily an Fe-tholeiitic sequence of mafic volcanic strata, with minor interbeds of banded iron formation.

The distribution of this assemblage is restricted to the extreme western edge of the Birch-Uchi Belt immediately adjacent to the Trout Lake Batholith.

- The Woman Assemblage (2858 Ma) is also primarily an Fe-tholeiitic sequence of mafic volcanic strata, with minor interbeds of banded chemical sediments and pyritic siltstones and shales. This assemblage is unconformable or paraconformable on the Balmer assemblage and occurs along the western edge of the Birch-Uchi Belt, stratigraphically above the Balmer Assemblage.
- The Confederation Lake Assemblage (2750-2700 Ma) is by far the most aerially extensive assemblage in the belt. It comprises an assemblage of intermediate to felsic flows and pyroclastic strata, which are unconformably overlain by conglomeratic to argillaceous rift-related sediments. The Confederation Lake Assemblage also has minor interbeds of banded iron formation.

At least 3 phases of regional deformation affected the area resulting in the widespread development of folds, axial planar fabrics, and ductile shear zones. D1 deformation involved NW-SE shortening, the development of NE to N-striking folds and faults. Evidence for this D1 event is best preserved in the southern part of the belt in the Confederation Lakes area. D2 deformation involved NE-SW to N-S shortening and the development of ~E-W to WNW/ESE striking regional folds, faults and fabrics. This event is manifested to varying degrees throughout the belt from the Casummit Lake area in the north to the Slate Lake area in the south. D3 deformation appears to have involved renewed E-W shortening and is restricted to the northern part of the belt in the Mink Lake/Casummit Lake area. This shortening event resulted in the buckling of the regional S2 foliation into N-S folds. This event was accompanied by N-S striking S3 crenulation cleavage and ENE plunging F3 fold development.

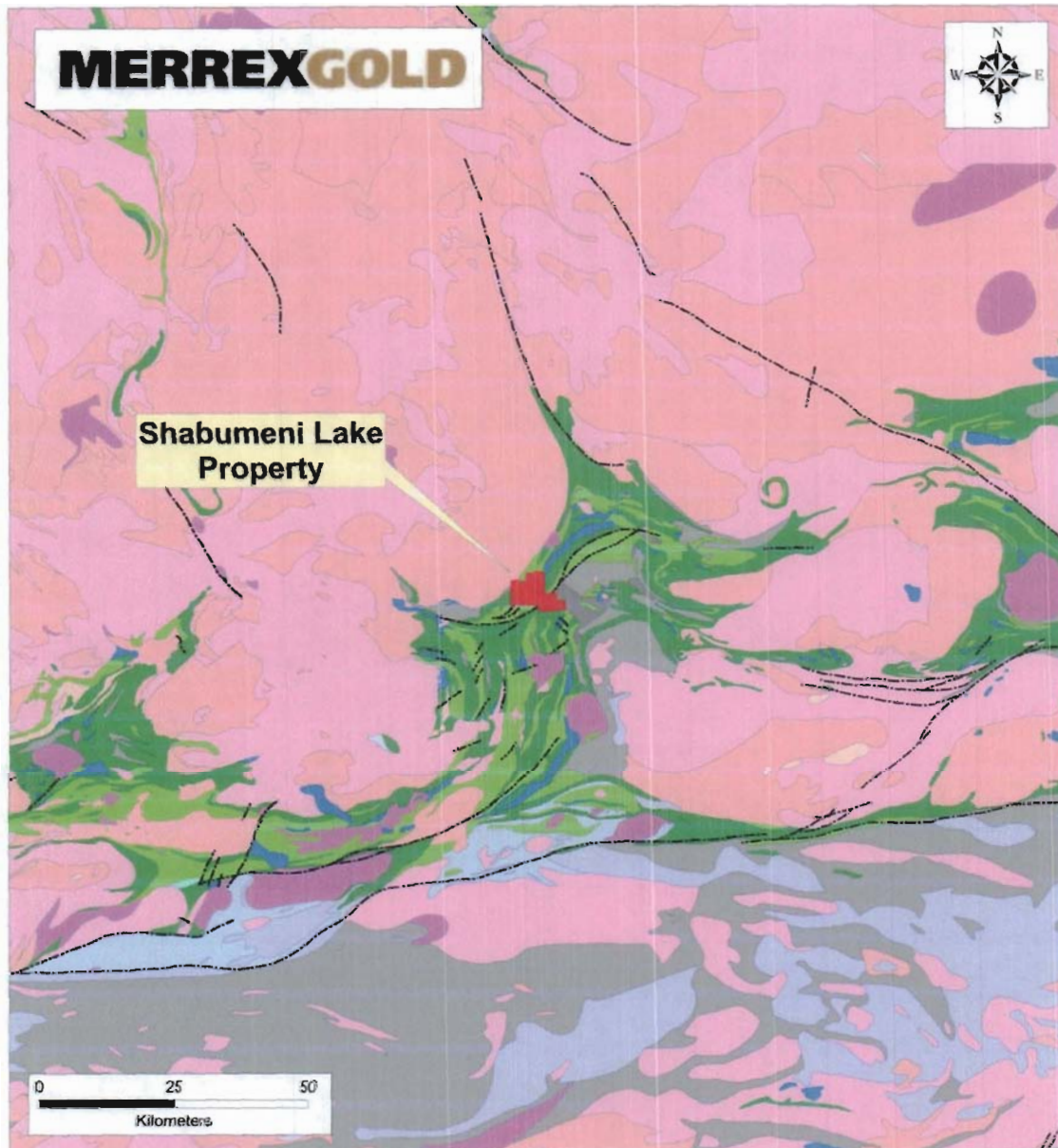


Figure 3: Regional Geology

## 5.2 Property Geology

The property is underlain mainly by volcanic flows and pyroclastics (Figure 4). The southern portion of the property is reported to be underlain by dacitic to rhyodacitic tuffs with minor amounts of dacitic agglomerate and massive rhyolitic, rhyodacitic and dacitic lavas. A narrow horizon of north trending carbonaceous argillite on the large peninsula has been the exploration target in the past. The

northern portion of the property near the gold showings are underlain by intermediate pyroclastics that are overlain in the southeast by mafic pillowed and massive flows and agglomerates. The volcanic rocks are intruded by gabbroic plutons with quartz monzonite cores.

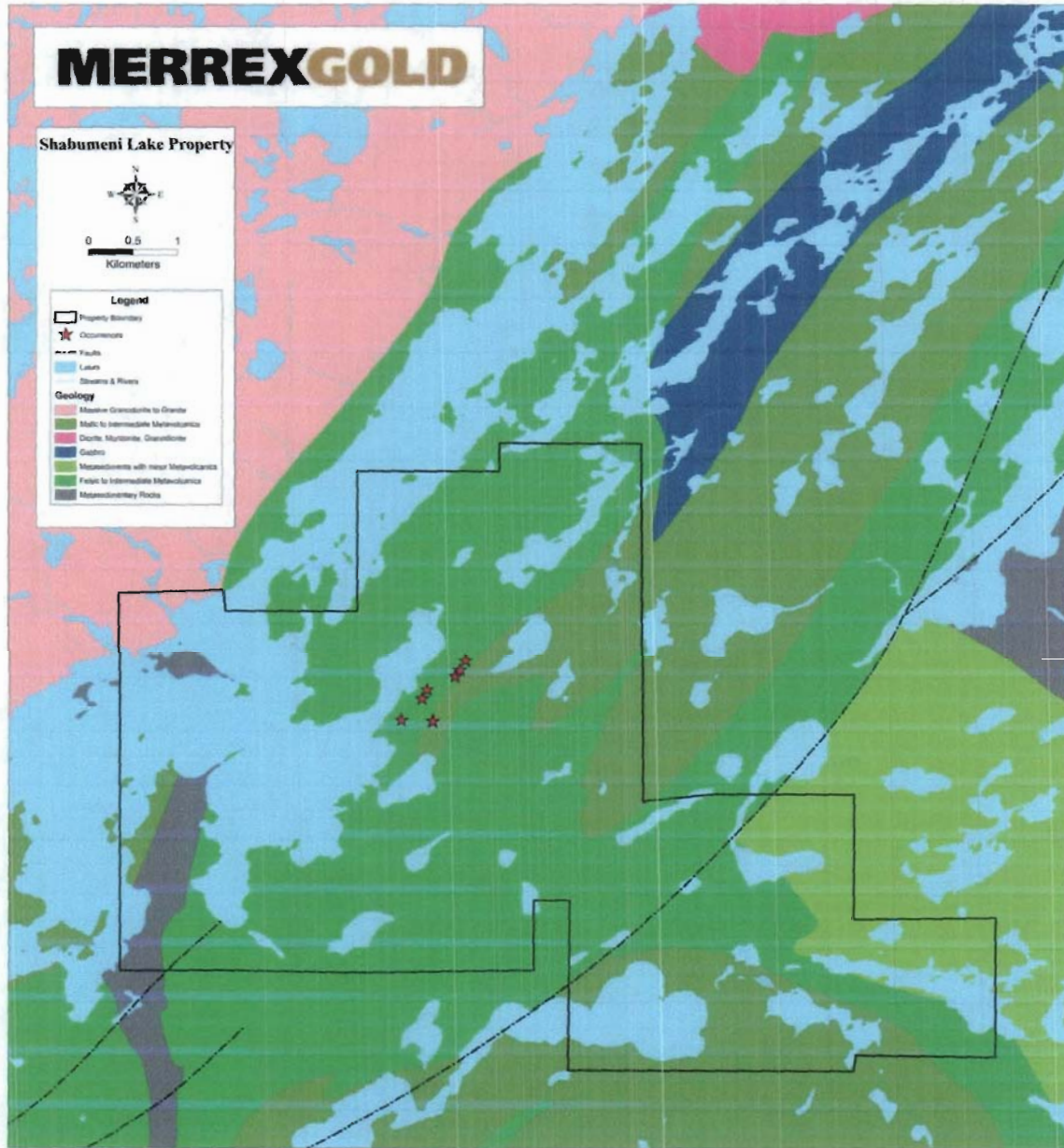


Figure 4: Property Geology

### 5.3 Lithology

Lithological units in the mapping area are summarized in Table 2.

**Table 2. Table of Lithologies***From Johns (1979)*

## Phanerozoic

## Cenozoic

## Quaternary

## Recent

Swamp, stream, and lacustrine deposits

## Pleistocene

Till, clay, sand, and gravel

*Unconformity*

## Precambrian

## Early Precambrian

## Felsic to Intermediate Intrusive Rocks

Hornblende and biotite diorite, syenodiorite, hornblende and biotite trondhjemite, quartz diorite, hornblende and biotite quartz monzonite to granodiorite, and pink pegmatite

*Intrusive Contact*

## Metamorphosed Felsic to Intermediate Intrusive Rocks

Quartz-feldspar porphyry, feldspar porphyry, mafic feldspar porphyry, and felsite

*Intrusive Contact*

## Metamorphosed Mafic and Ultramafic Rocks

Gabbro, diorite, quartz diorite, quartz gabbro, porphyritic gabbro, serpentized peridotite, serpentized dunite, and pyroxenite

*Intrusive Contact*

## Metasediments

## Chemical Metasediments

Oxide- and sulphide-facies iron formation

## Clastic Metasediments

Wacke, slate, argillite, arenites, arkose, conglomerate, reworked tuff, siltstone, quartz-wacke, quartz arenites

## Metavolcanics

## Felsic Metavolcanics

Flow tuff, lapillistone, lapilli tuff, tuff-breccia, thin bedded flow

## Intermediate Metavolcanics

Flow tuff, pyroclastic breccia, lapilli-tuff, tuff-breccia, spherulitic flow, amygdaloidal and porphyritic flow, autoclastic breccia, flow layered flow

## Mafic Metavolcanics

Porphyritic, glomeroporphyritic, amygdaloidal, massive, and pillowed flows with pillow breccia and coarse-grained centres; pyroclastic rock, autoclastic breccia, variolitic flow, hyaloclastic breccia, hyaloclastite, carbonatized flow, lapilli tuff.

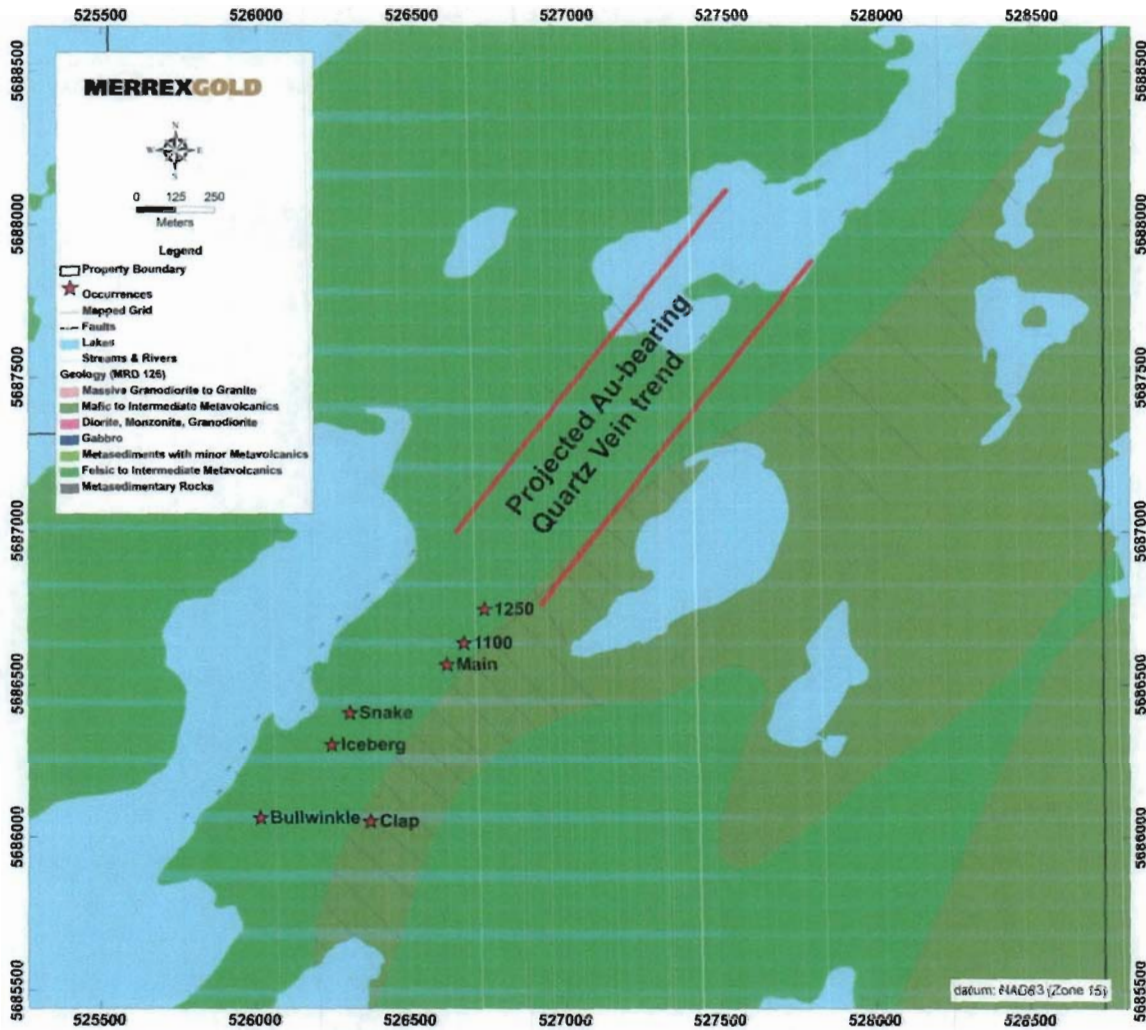


Figure 5: Location of Historical Au Occurrences.

## 6.0 2007 WORK PROGRAM

### 6.1 Geological Mapping and Prospecting

Geological mapping and prospecting were completed over the entire grid. The geology was mapped from Line 0 through to Line 34. The gold bearing quartz veins cross cut all the lithological units on the property. Prospecting was focused on locating the historical showings, and re-sampling them, as well as to follow and expose the quartz veins for potential mineralization along strike. Recon prospecting was carried out on the Southwest portion of the property. The most encouraging result was 73.6 g/t Au taken from the Bullwinkle Zone.

**Table 3. Assay Highlights from the 2007 Prospecting Program**

Sample #	UTM E	UTM N	Area	Au (ppb)
439306	526375	5686053	Bullwinkle	709
439308	526369	5686118	Bullwinkle	73600
439313	526392	5686127	Bullwinkle	621
439323	526153	5685745	Bullwinkle South	2970
439401	526368	5686053	Clap	509
439402	526014	5686064	Clap	909
439403	526671	5686636	1100	2790
439606	531094	5682713	East Swain	2380
439607	531104	5682710	East Swain	4120

### 6.2 Linecutting

On the basis of encouraging samples collected in the 2006, a 40 km exploration grid was established in July of 2007 to cover the known Au occurrences. The grid consisted of 100 m spaced lines over the known Au occurrences, progressing to 200 m spaced regional lines to the north east to cover the projected trend of the Au-bearing quartz veins.



### 6.3 Trenching

A trenching and channel sampling program was emplaced to re-expose and sample three trenches previously identified as the Main, Snake, and Iceberg Trenches. Table 4 summarizes the highlights the significant assays obtained from the channel sampling program.

#### *Main Trench*

A total of 57 channel samples ranging in length were collected from a sulphide-bearing quartz vein system known to host gold mineralization. This trench, named the Main, exposes a well-developed, shear-hosted quartz vein system within a mafic pillowed flow. The quartz veins strike approximately 042 degrees. Local folding and minor brittle displacement of the quartz veins is evident on an outcrop scale, suggesting a post quartz-vein-emplacment deformational event(s).

Sulphides within the quartz veins consist of disseminated to blebby arsenopyrite, pyrite, and chalcopyrite. Local shear-hosted sulphides are also present adjacent to quartz veins and consist of fracture filling and wispy pyrite and chalcopyrite mineralization.

All of the samples collected were cut perpendicular to the strike of the quartz veins that were sub-vertical to slightly dipping 80 degrees to the southeast. The width of the reported intersections obtained on surface represent approximately 90% of the true width of the mineralized quartz veins.

The Main Trench is located at UTM 526617E, 5686565N  
See Appendix 1 for sample descriptions, and Map 2 for a sketch of the trench and sample locations.

**Table 4. Assay Highlights from the 2007 Trenching Program**

Trench	Sample #	Sample Length (m)	Au (ppb)
Main	439104	0.5	24800
Main	439107	0.5	8780
Main	439110	0.5	20900
Main	439114	0.5	12050
Main	439119	0.5	4240
Main	439121	0.25	4140
Main	439123	0.5	1005
Main	439127	1.0	2380
Main	439144	1.0	1045
Main	439149	0.5	3690
Main	439150	0.5	1535
Main	439151	0.25	13700
Main	439152	0.5	3970
Main	439153	0.75	1640
Main	439154	0.75	6990
Main	439156	0.5	2110
Main	439157	0.25	1950
Main	439160	0.5	2310
Main	439161	0.5	1285
Main	439162	0.75	5410
Snake	439180	0.5	1165
Snake	439183	0.5	2770
Snake	439188	0.25	2380
Snake	439192	0.25	2640
Iceberg	439501	0.75	2310
Iceberg	439507	0.75	1245
Iceberg	439513	0.5	2190
Iceberg	439518	0.75	1320
Iceberg	439520	0.75	2030

*Snake Trench*

A total of 27 channel samples ranging in length were collected from a sulphide-bearing quartz + carbonate vein known to host gold mineralization. This trench, named the Snake, exposes a shear-hosted quartz + carbonate vein located within an amygdular intermediate volcanic flow. The vein strikes approximately

042 degrees, and dips sub-vertical. The vein averages 0.4 m in width, and consistently narrows to the south (~80 cm in width from the north edge of the trench to ~15 cm at the south edge of the trench).



Figure 6: Channel Sampling at the Main Trench (looking NE).

Sulphide mineralogy within the vein dominantly consists of disseminated euhedral to blebby pyrite.

All of the samples collected were cut perpendicular to the strike of the quartz vein that were sub-vertical to slightly dipping 80 degrees to the southeast. The width of the reported intersections obtained on surface represent approximately 90% of the true width of the mineralized quartz vein.

The Snake Trench is located at UTM 526316E, 5686429N

See Appendix 1 for sample descriptions, and Map 3 for a sketch of the trench and sample locations.

#### *Iceberg Trench*

A total of 26 channel samples ranging in length were collected from a sulphide-bearing quartz vein system known to host gold mineralization. This trench, named the Iceberg, exposes a well developed, shear-hosted quartz vein system within a sheared medium grained gabbro. The quartz veins generally strike between 040 and 045 degrees. The vein system is locally truncated by north-easterly trending shears, as well as locally boudinaged and folded.



Figure 7: Sampling at the Snake Trench (looking SW).

Sulphides within the quartz veins consist of disseminated to blebby pyrite and chalcopyrite. All of the samples collected were cut perpendicular to the strike of the quartz veins that were dipping sub-vertically. The width of the reported intersections obtained on surface represent approximately 90% of the true width of the mineralized quartz veins.

The Iceberg Trench is located at UTM 526251E, 5686305N.

See Appendix 1 for sample descriptions, and Map 4 for a sketch of the trench and sample locations.

#### **6.4 Soil Sampling (Humus)**

A limited soil sampling program was carried out to test the technique as an exploration method for the property for future surface exploration programs to later assist in locating anomalous gold zones spatially related to buried gold-bearing quartz veins.

A line was selected to the immediate northeast of the Main trench. A total of 43 samples were collected. Sampling interval was set at 5m, narrowing down to 1 m over the projected extension of the Main trench series of quartz veins. The spacing of 1 m over the projected quartz vein was chosen due to the narrowness

collection and either an AAS, ICP, or gravimetric finish. Gold analysis is performed using a 30 g fire assay charge. The fire assay procedure uses lead collection with a silver inquart. The beads are then digested and an atomic absorption or ICP finish is used. All gold assays that are greater than 10 g/t will automatically be re-assayed by fire assay with a gravimetric finish for better accuracy & reproducibility. ICP Scan's are either performed using and aqua regia (HNO<sub>3</sub>, HCl) digestion or a multi-acid (HNO<sub>3</sub>, HCl, HF) digestion.

## **7.0 CONCLUSIONS**

The 2007 work program was successful in locating the previous gold occurrences, re-exposing the previously stripped areas, sampling and mapping the trenches, as well as mapping the geology and prospecting on the Camp Bay grid. Anomalous samples up to 73.6 g/t were obtained in grab samples. All of the detailed mapping of the trenches and the regional geology were completed by the author of this report.

The known gold mineralization within quartz veins on the property is hosted within shear zones that cross-cut all lithological units encountered on the property. The main strike of the regional structures and quartz veins trend 040-045.

## **8.0 RECOMMENDATIONS**

A \$300,250 exploration program is recommended to pursue the potential for the property to host economic gold mineralization.

A compilation of all previous work over the known occurrences such as historical drill hole locations should be brought into a digital database.

A geophysical program consisting of IP and magnetics should also be implemented as the next approach. The gold mineralization is associated within disseminated sulphides hosted within the quartz veins. The survey should concentrate over the known sulphide occurrences (L1E to L13E). As well, the area from L14E to L22E, north of the base line should also be surveyed. This area along the projected strike of the known gold-bearing quartz veins has seen no exploration due to the overburden.

**9.0 PROPOSED BUDGET****Table 5: Proposed Budget**

Compilation	
Geologist @ \$500/day for 10 days .....	5000.00
Geophysics	
IP+Mag 20 km @ \$2500/km) .....	24,000.00
Charters .....	5,000.00
Diamond Drilling	
1000m @ \$125/m.....	150,000
Geologist @ \$500/day for 25 days .....	12,500
Technician @ \$250/day for 25 days.....	6,250
Charters (fixed wing and heli-assisted drill program).....	20,000
Accommodations (8 people) .....	20,000
Assays 500 @ \$30/sample .....	15,000
Supplies .....	5,000
Reports and Maps .....	7,500
Contingencies (10%) .....	<u>25,000</u>
<b>SUB-TOTAL .....</b>	<b>\$300,250</b>

**10.0 REFERENCES**

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**APPENDIX I**

**SAMPLE DESCRIPTION AND ASSAY DATA**

Channel Samples  
 MXI-SL (Shabumeni Lake)  
 Fall 2007

Trench	Sample #	Sample Length (m)	Sulphides (%)	Comments	Au (ppb)
Main	439101	0.5	<1	trace sulphides in wall rock	145
Main	439102	0.5	5	sulphides in quartz	8510
Main	439103	0.5	<1	trace sulphides in wall rock	23
Main	439104	0.5	25	sulphides in quartz	24800
Main	439105	0.75	2	sulphides in qtz and wall rock	447
Main	439106	0.75	5	sulphides in qtz and wall rock	148
Main	439107	0.5	15	sulphide blebs in qtz	8780
Main	439108	0.5	0	no mineralization	65
Main	439109	1	0	no mineralization	114
Main	439110	0.5	15	mineralization in qtz	20900
Main	439111	0.5	<1	trace mineralization in wall rock	37
Main	439112	1	2	sulphides in quartz	660
Main	439113	1.25	<1	trace mineralization in wall rock	69
Main	439114	0.5	5	mineralization in qtz	12050
Main	439115	1	0	no mineralization	46
Main	439116	1	1	sulphides in quartz	534
Main	439117	1	0	no mineralization	27
Main	439118	0.5	<1	trace mineralization in wall rock	126
Main	439119	0.5	5	mineralization in qtz and wall rock	4240
Main	439120	0.75	1	sulphides in wall rock	79
Main	439121	0.25	5	mineralization in quartz	4140
Main	439122	1.5	1	disseminated sulphides	42
Main	439123	0.5	5	4 percent in qtz, trace min. in w.r.	1005
Main	439124	0.75	0	no mineralization	78
Main	439126	0.5	5	disseminated mineralization	48
Main	439127	1	5	sulphides in qtz and wall rock	2380
Main	439128	0.5	0	no mineralization	16
Main	439129	0.5	1	mineralization in wall rock	510
Main	439130	0.5	<1	trace sulphides in wall rock	23
Main	439131	0.75	<1	trace sulphides in wall rock	72
Main	439132	1	1	mineralization in wall rock and qtz	35
Main	439133	0.5	0	no mineralization	758
Main	439134	0.75	<1	trace sulphides in wall rock	5
Main	439136	0.5	0	no mineralization	29
Main	439137	0.5	0	no mineralization	54
Main	439138	0.75	1	mineralization in wall rock	283
Main	439139	0.75	<1	trace sulphides in wall rock	121
Main	439140	0.75	<1	trace sulphides in quartz	122
Main	439141	0.75	<1	trace sulphides in qtz	69
Main	439142	1	1	mineralization in qtz vein and w.r.	86
Main	439143	0.5	0	no mineralization	119
Main	439144	1	<1	trace mineralization in qtz	1045
Main	439146	0.5	1	trace mineralization in qtz	123
Main	439147	1	5	sulphides in qtz and wall rock	849
Main	439148	0.75	2	sulphide in qtz	264
Main	439149	0.5	3	mineralization in qtz vein	3690

Trench	Sample #	Sample Length (m)	Sulphides (%)	Comments	Au (ppb)
Main	439150	0.5	5	sulphides in qtz vein	1535
Main	439151	0.25	10	mineralization in qtz	13700
Main	439152	0.5	<1	trace sulphides in wall rock	3970
Main	439153	0.75	5	mineralization in qtz	1640
Main	439154	0.75	10	sulphides in wall rock, trace in qtz	6990
Main	439156	0.5	3	mineralization on wall rock/qtz contact	2110
Main	439157	0.25	3	sulphides in wall rock	1950
Main	439158	0.25	<1	trace sulphides in wall rock	494
Main	439159	1	5	sulphides in qtz	93
Main	439160	0.5	5	mineralization in wall rock	2310
Main	439161	0.5	3	mineralization in qtz vein	1285
Main	439162	0.75	1	mineralization in qtz	5410
Snake	439163	1	<1	trace mineralization in wall rock	45
Snake	439164	0.75	3	mineralization in qtz	421
Snake	439166	1	<1	trace sulphides in wall rock	52
Snake	439167	1	<1	trace mineralization in wall rock	67
Snake	439168	0.75	2	sulphides in qtz	284
Snake	439169	1	2	sulphides in wall rock	54
Snake	439170	1	1	mineralization in wall rock	51
Snake	439171	0.75	2	sulphides in qtz	603
Snake	439172	1	<1	trace mineralization in wall rock	16
Snake	439173	1.75	3	mineralization in qtz and wall rock	186
Snake	439174	1	<1	trace mineralization in wall rock	40
Snake	439176	1	<1	trace mineralization in wall rock	31
Snake	439177	0.75	4	sulphides in qtz	613
Snake	439178	1	2	sulphides in wall rock	33
Snake	439179	1.25	1	sulphides in wall rock	353
Snake	439180	0.5	7	sulphides in qtz vein	1165
Snake	439181	1	<1	trace mineralization in wall rock	46
Snake	439182	1.25	1	sulphides in wall rock	203
Snake	439183	0.5	3	sulphides in qtz and wall rock	2770
Snake	439184	1	2	sulphides in wall rock	147
Snake	439186	1	1	sulphides in wall rock	40
Snake	439187	1	1	sulphides in wall rock	384
Snake	439188	0.25	3	sulphides in qtz	2380
Snake	439189	0.75	<1	trace sulphides in wall rock	123
Snake	439190	1	<1	trace sulphides in wall rock	58
Snake	439191	1	<1	trace sulphides in wall rock	39
Snake	439192	0.25	2	sulphides in qtz and wall rock	2640
526018E					
5686150N	439193	0.7	2	sulphides in qtz vein	195
526015E					
5686146N	439194	0.4	3	sulphides in qtz vein	1495
Iceberg	439501	0.75	1	mineralization in qtz	2310
Iceberg	439502	1	2	mineralization in qtz	779
Iceberg	439503	0.5	1	mineralization in qtz	132
Iceberg	439504	0.75	<1	trace sulphides in qtz	15
Iceberg	439506	1	1	mineralization in wall rock	153
Iceberg	439507	0.75	1	mineralization in qtz	1245
Iceberg	439508	0.75	0	no mineralization	18

Trench	Sample #	Sample Length (m)	Sulphides (%)	Comments	Au (ppb)
Iceberg	439509	0.5	0	no mineralization	19
Iceberg	439510	1	1	mineralization in qtz	74
Iceberg	439511	0.5	2	mineralization in qtz and wall rock	669
Iceberg	439512	0.75	<1	trace sulphides in wall rock	15
Iceberg	439513	0.5	5	mineralization in qtz	2190
Iceberg	439514	1	2	mineralization in qtz	50
Iceberg	439516	0.5	7	mineralization in qtz and wall rock	291
Iceberg	439517	0.75	<1	trace sulphides in wal rock	5
Iceberg	439518	0.75	3	mineralization in qtz	1320
Iceberg	439519	1	<1	trace mineralization in qtz	6
Iceberg	439520	0.75	2	mineralization in qtz and wall rock	2030
Iceberg	439521	1	<1	trace sulphides in wall rock	7
Iceberg	439522	0.75	10	sulphides in qtz and wall rock	684
Iceberg	439523	0.75	<1	trace mineralization in qtz	20
Iceberg	439524	1	1	mineralization in qtz	649
Iceberg	439526	1	0	no mineralization	14
Iceberg	439527	1	2	sulphides in qtz	49
Iceberg	439528	1	0	no mineralization	15
Iceberg	439529	1	3	sulphides in qtz	129

Humus Samples - Surface Exploration Program  
 MXI-SL (Shabumeni Lake)  
 Fall 2007  
 L10+70E

Sample	Northing	Vegetation Type	Slope	Au (ppb)
439201	10+000	spruce, fir	0	6
439202	10+005	fir	0	5
439203	10+010	fir	0	6
439204	10+015	fir	60	5
439205	10+020	spruce, fir	60	5
439206	10+025	spruce	60	5
439207	10+030	spruce	0	5
439208	10+035	spruce	0	5
439209	10+040	spruce, birch, alders	0	5
439210	10+045	spruce	0	20
439211	10+050	spruce, alders	0	5
439212	10+051	spruce, alders	0	5
439213	10+052	spruce	0	5
439214	10+053	spruce	0	5
439215	10+054	spruce	0	5
439216	10+055	spruce, alders	0	6
439217	10+056	spruce	0	5
439218	10+057	spruce, alders	0	5
439219	10+058	spruce, birch, alders	0	5
439220	10+059	spruce, alders	0	13
439221	10+060	spruce	0	5
439222	10+061	birch	0	6
439223	10+062	alders, spruce	0	5
439224	10+063	alders	0	48
439225	10+064	alders, birch	0	5
439226	10+065	alders, birch	0	7
439227	10+066	birch, spruce	0	5
439228	10+067	birch, spruce	0	5
439229	10+068	spruce, alders	0	5
439230	10+069	birch	0	5
439231	10+070	spruce, alders	0	5
439232	10+075	spruce	0	5
439233	10+080	spruce	0	5
439234	10+085	spruce	0	5
439235	10+090	spruce, alders	0	5
439236	10+095	spruce, alders	0	5
439237	10+100	spruce	0	5
439238	10+105	spruce	0	5
439239	10+110	spruce	0	5
439240	10+115	spruce	0	5
439241	10+120	spruce	0	5
439242	10+125	spruce	0	5
439243	10+130	alders	0	5

UTM of Sample 439201  
 526666E, 5686567N (NAD83)  
 UTM of Sample 439243  
 526559E, 5686627N (NAD83)

ICP Samples - Surface Exploration Program  
 MXI-SL (Shabumeni Lake)  
 Fall 2007

Sample #	Sampler	Location	Northing	Rock type	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm
439324	c	L10E	9+962.5	IV	0.07	2.25	7	<0.2	<10	10	0.13	0.05
439325	c	L10E	9+950	IV	0.08	1.74	0.8	<0.2	<10	10	0.19	0.03
439326	c	L10E	9+910.5	IV	0.08	2.31	4	<0.2	<10	20	0.29	0.04
439327	c	L10E	9+900	IV	0.05	1.67	2.6	<0.2	<10	10	0.19	0.02
439328	c	L10E	9+875	IV	0.07	2.22	<0.1	<0.2	<10	10	0.2	0.02
439329	c	L10E	9+825	IV	0.03	2.9	4.7	<0.2	<10	20	0.15	0.01
439330	c	L10E	9+725	MV	0.02	2.27	4.2	<0.2	<10	10	0.22	0.04
439331	c	L10E	9+700	MV	0.02	3.67	0.3	<0.2	<10	20	0.16	0.01
439332	c	L10E	9+525	MV	0.02	2.82	0.8	<0.2	<10	10	0.18	0.02
439333	c	L10E	9+500	MV	0.03	2.6	2.1	<0.2	<10	20	0.21	0.04
439334	c	L10E	9+475	MV	0.02	2.1	6.4	<0.2	<10	10	0.12	0.02
439335	c	L10E	9+425	MV	0.03	3	0.4	<0.2	<10	10	0.15	0.01
439336	c	L10E	10+000	MV	0.04	1.44	0.6	<0.2	<10	10	0.16	0.02
439337	c	L10E	10+025	MV	0.05	2.36	3.1	<0.2	<10	10	0.12	0.02
439338	c	L10E	10+050	MV	3.48	2.9	0.7	2.3	<10	50	0.16	0.12
439339	c	L10E	10+200	MV	0.07	2.08	<0.1	<0.2	<10	30	0.15	0.02
439340	c	L10E	10+225	MV	0.05	3.16	0.6	<0.2	<10	20	0.1	0.02
439341	c	L10E	10+250	MV	0.12	2.58	0.2	<0.2	<10	30	0.15	0.02
439342	c	L10E	10+275	MV	0.16	2.56	9	<0.2	<10	30	0.09	0.08
439343	c	L10E	10+300	MV	0.06	1.9	0.4	<0.2	<10	30	0.13	0.02
439344	c	L10E	10+325	MV	0.07	1.95	4.5	<0.2	<10	10	0.14	0.06
439345	c	L10E	10+350	MV	0.02	1.11	1.9	<0.2	<10	10	0.19	0.02
439346	c	L10E	10+375	MV	0.04	3.32	0.6	<0.2	<10	10	0.06	0.01

Sample #	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg
	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
439324	3.47	0.05	4.96	28.1	657	0.08	41.9	3.28	5.22	0.13	0.24	<0.01
439325	3.12	0.05	5.82	26.4	351	0.13	43.1	2.6	4.05	0.15	0.18	<0.01
439326	1.84	0.12	5.46	34.7	389	0.24	56.8	4.01	4.59	0.19	0.23	<0.01
439327	1.73	0.09	6.4	20.2	280	0.1	47.6	2.76	4.27	0.15	0.24	<0.01
439328	2.85	0.12	9.4	21.7	261	0.14	48.9	3.59	5.07	0.14	0.19	<0.01
439329	0.99	0.09	13.45	30.7	222	0.11	30	4.03	6.75	0.12	0.15	<0.01
439330	1.05	0.02	11.35	20.5	159	0.08	45	3.26	5.17	0.12	0.28	<0.01
439331	2.03	0.06	17.4	30.7	287	0.18	47.7	5.06	9.62	0.14	0.15	<0.01
439332	3.11	0.05	11.65	27.3	424	0.16	36.5	3.51	5.68	0.14	0.21	<0.01
439333	1.27	0.05	55.7	24.5	471	0.19	32.5	2.92	6.91	0.12	0.2	<0.01
439334	2.88	0.03	8.26	22.1	260	0.09	49.6	3.04	5.01	0.12	0.13	<0.01
439335	1.86	0.04	7.18	26.9	319	0.1	36.9	4.44	6.37	0.15	0.15	<0.01
439336	2.31	0.05	6.09	15.6	248	0.08	26.6	1.88	4.35	0.1	0.19	<0.01
439337	1.01	0.03	8.61	46.9	340	0.3	27.4	3.85	6.07	0.11	0.2	<0.01
439338	0.94	0.02	21.9	32.9	254	0.48	327	4.8	9.13	0.11	0.29	0.03
439339	1.12	0.03	13.7	17.7	193	0.08	36.8	2.32	4.39	0.06	0.15	<0.01
439340	1.01	0.07	11.3	32.6	368	0.18	24.8	4.55	8.75	0.11	0.21	<0.01
439341	1.3	0.16	4.64	39.1	309	0.18	116	4.25	6.04	0.18	0.17	<0.01
439342	2.22	0.55	4.55	46.8	279	0.46	93.7	4.66	5.29	0.19	0.15	<0.01
439343	0.85	0.03	16.85	17.6	137	0.12	26	2.32	5.55	0.06	0.14	<0.01
439344	1.55	0.02	36.3	21.9	91	0.07	56	3.09	5.49	0.15	0.28	<0.01
439345	2.1	0.06	8.33	9.5	174	0.28	10.6	1.24	4.47	0.14	0.24	<0.01
439346	1.31	0.08	2.33	34.9	138	0.06	85.9	5.91	5.88	0.2	0.21	<0.01

Sample #	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
439324	0.005	0.01	2	12.2	1.81	576	0.23	0.04	0.33	125.5	530	22.4
439325	0.008	0.01	2.4	6.7	1.22	526	0.38	0.03	0.69	169	840	4.8
439326	0.009	0.01	2.2	8.9	1.52	887	0.67	0.02	0.52	226	940	7.1
439327	0.008	0.01	2.6	6.5	1.08	608	0.34	0.03	0.56	80.4	770	3.4
439328	0.007	0.01	4.1	8.3	1.55	803	0.46	0.04	0.44	121	1220	6.1
439329	0.008	0.03	6.1	17.3	2.61	714	0.31	0.02	0.46	135	1000	2.3
439330	0.007	0.03	5	13	1.84	500	0.44	0.03	0.4	83.6	1020	5.4
439331	0.013	0.04	8	19.3	3.59	1065	0.17	0.02	0.35	103	1020	1.7
439332	0.006	0.02	4.8	14.1	2.9	569	0.28	0.02	0.4	165	1360	3.8
439333	0.01	0.08	24.1	15.8	2.94	497	0.13	0.02	0.43	172.5	2190	2.7
439334	0.005	0.01	3.8	9.4	1.84	516	0.22	0.03	0.26	87.6	700	4.2
439335	0.005	0.01	3.3	13.1	2.73	687	0.28	0.03	0.46	102.5	780	1.6
439336	0.006	0.02	2.6	5	0.85	443	0.28	0.02	0.53	70.2	510	4.9
439337	0.006	0.05	3.5	10.4	2.01	645	0.93	0.03	0.49	272	900	2
439338	0.01	0.22	9.7	12.9	2.88	476	1.05	0.02	0.13	152	970	4
439339	0.007	0.09	6.3	9.1	1.75	369	0.24	0.02	0.31	128.5	870	1.9
439340	0.007	0.04	5.2	11.7	2.81	1035	0.26	0.03	0.42	211	900	3.6
439341	0.007	0.02	3.1	8.2	1.98	647	0.46	0.03	0.21	162.5	530	1.4
439342	0.008	0.02	2.1	6.6	1.88	736	0.63	0.03	0.25	532	500	3.9
439343	0.007	0.09	8.5	8	1.63	403	0.31	0.04	0.21	96.5	630	1.8
439344	0.007	0.01	15.1	7.6	1.59	478	0.52	0.04	0.59	63.7	1960	3.7
439345	0.007	0.01	3.6	2	0.36	220	0.25	0.03	0.81	57	590	2.7
439346	0.011	0.01	1	8.8	2.16	945	0.18	0.03	0.19	69.6	210	1.9



Sample #	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
439324	0.7	<0.001	0.09	0.06	4	0.3	0.3	41.1	<0.01	0.03	0.3	0.259
439325	0.9	<0.001	0.05	0.1	2.8	0.4	0.2	71.1	0.01	0.01	0.4	0.355
439326	1.5	<0.001	0.1	0.1	3.2	0.4	0.2	60	0.01	0.03	0.3	0.349
439327	0.7	<0.001	0.01	0.07	3.2	0.3	0.2	38.9	0.01	0.01	0.4	0.303
439328	1.3	<0.001	0.03	0.08	2.4	0.3	0.2	53.7	0.01	0.01	0.5	0.285
439329	2.2	<0.001	<0.01	0.09	3.2	0.2	0.2	70.6	<0.01	0.01	0.6	0.277
439330	1.5	<0.001	<0.01	0.11	2.6	0.3	0.2	77.6	<0.01	0.01	0.7	0.3
439331	2.8	<0.001	<0.01	0.05	4.6	0.3	0.2	56.2	0.01	0.01	0.8	0.327
439332	1.1	<0.001	<0.01	0.08	2.5	0.3	<0.2	90.7	0.01	0.01	0.7	0.252
439333	4.7	<0.001	<0.01	0.08	3.4	0.2	0.2	111	<0.01	0.01	2.3	0.209
439334	0.7	<0.001	<0.01	0.07	2.4	0.2	<0.2	60	<0.01	0.01	0.5	0.231
439335	0.7	<0.001	<0.01	0.08	2.7	0.3	<0.2	49.3	<0.01	<0.01	0.4	0.357
439336	1.2	<0.001	<0.01	0.16	2.7	0.2	<0.2	64.1	<0.01	0.01	0.3	0.231
439337	4.6	0.002	0.04	0.1	2.9	0.3	0.2	45.7	<0.01	0.03	0.5	0.275
439338	11.2	<0.001	1.01	0.07	3	0.8	<0.2	19.6	<0.01	2.19	1	0.116
439339	4.5	<0.001	<0.01	0.1	2.2	0.2	<0.2	128.5	<0.01	0.01	0.8	0.228
439340	2.9	<0.001	<0.01	0.05	3.3	0.2	0.2	42.6	<0.01	0.03	0.9	0.27
439341	1.3	0.001	0.04	0.13	3.6	0.4	<0.2	44	<0.01	0.01	0.2	0.317
439342	3.9	0.003	0.61	0.19	3.1	1.4	<0.2	52.9	<0.01	0.14	0.3	0.254
439343	4.1	<0.001	<0.01	0.12	2.4	0.2	<0.2	98.4	<0.01	0.03	1.2	0.192
439344	0.6	<0.001	0.15	0.1	2	0.4	0.3	80.5	<0.01	0.04	1.7	0.253
439345	1.5	<0.001	<0.01	0.13	2.9	0.2	0.2	62.7	<0.01	0.01	0.4	0.225
439346	0.4	0.001	<0.01	0.05	5.3	0.3	0.2	20	<0.01	0.01	<0.2	0.289

Sample #	Tl	U	V	W	Y	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
439324	<0.02	0.06	55	0.16	2.29	61	6.4
439325	0.02	0.07	39	0.16	3.32	43	7
439326	0.03	0.06	44	0.1	3.3	74	5.8
439327	<0.02	0.07	44	0.14	3.62	54	8.6
439328	0.02	0.08	51	0.11	2.84	77	5.6
439329	0.02	0.08	46	0.35	3.77	88	3.5
439330	0.02	0.1	46	0.14	2.72	63	9.5
439331	0.02	0.09	80	0.14	6.18	81	3.7
439332	<0.02	0.08	46	0.12	2.87	63	7.3
439333	0.03	0.28	52	0.1	5.52	49	10.9
439334	<0.02	0.05	48	0.1	2.71	48	3.5
439335	<0.02	0.05	66	0.11	2.54	73	3.6
439336	<0.02	0.07	34	0.12	2.36	36	7.2
439337	0.03	0.08	62	0.46	3.04	80	6
439338	0.07	0.12	67	18.55	2.84	78	10
439339	0.03	0.12	28	0.25	2.86	40	4.5
439340	0.02	0.09	62	0.6	3.46	95	5.4
439341	0.02	<0.05	71	0.23	2.4	79	4
439342	0.03	0.05	64	0.15	2	121	3.3
439343	0.02	0.12	30	0.27	2.2	52	5.4
439344	<0.02	0.17	45	0.5	4.81	53	10.9
439345	<0.02	0.09	27	0.13	2.28	14	9.2
439346	<0.02	<0.05	109	0.07	3.79	74	4.4

Grab Samples - Surface Exploration Program  
 MXI-SL (Shabumeni Lake)  
 Fall 2007

Sample #	Sampler	UTM (E)	UTM (N)	Rock type	Texture	Structure	Sulphides	Comments	Au_ppb
439301	c	L7+00E	9+400N	mv	fg		nv		5
439302	c	L8+00E	9+400N	mv	fg	shr'd	nv	95% sheared mv, 5% qtz flooding	5
439303	c	526348	5686024	iv	fg		1% diss py	20% qv, sulphides within iv	5
439304	c	526357	5686042	iv	fg		2% diss py	strong perv sil	5
439305	c	526355	5686042	iv	fg		2% diss py	strong perv sil	16
439306	c	526375	5686053	iv	fg		2% diss py	60% iv, 40% qv. Sulphides dominantly within iv	709
439307	c	526381	5686086	iv	fg		3% finely diss/banded py		27
439308	c	526369	5686118	qv			6% diss py		73600
439309	c	526262	5685928	qv			1% diss py	local brown alt'd angular mafic schards within qv	61
439310	c	526519	5686116	qv			1% diss py	50% qv, 50% iv, sulphides within iv	279
439311	c	526504	5686150	iv	fg	fol'd	2% diss py	minor qtz veining	5
439312	c	526517	5686154	qv			nv	85% qv, 15% iv	11
439313	c	526392	5686127	qv			tr diss py	75% qv, 25% iv	621
439314	c	526400	5686112	mv	fg		1% diss py	20% qtz+carb veinlets, strong perv chl	5
439315	c	526234	5685891	iv	fg		1% diss py	amygdular iv, py within matrix and qtz filled amygdules, strong epi+carb veining	5
439316	c	526318	5686025	qv			1% diss + euhedral py	50% qv, 50% iv, sulphides within qv, local rusty patches	263
439317	c	526174	5685935	qv			2% diss py	strong perv sil of iv, strong qtz+carb veining (60%)	5
439318	c	528550	5688726	iv			tr diss py	50% quartz+carb+siderite? Veining with tr diss py hosted within iv	44
439319	c	528594	5688730	iv			tr diss py	30% qv, 70% iv, tr diss py within matrix	415
439320	c	528532	5688708	mv			20% diss/banded py	mod to strong per chl	39
439321	c	523454	5683991	gab	mg, mass		2%py, 0.5%cp, 1% mt	magnetite-bearing gabbro boulder	293
439322	c	523435	5683884	iv?	mg		3% finely diss/banded py	boulder, rusty coated fractures	6
439323	c	526153	5685745	qv			1% diss cp	90% qtz vein, 10% chloritic bands & mv, sulphides within mv, local malachite staining	2970
439347		526011	5686070						5
439401	j	526368	5686053	qv		qv @ 060	1% diss + euhedral py	30% mv, 70% qv, sulphides within qv (clap zone)	5
439402	j	526014	5686064	qv			6% diss + blby py+cp	local malachite staining along fractures	5
439403	j	526671	5686636	qv			2% diss py+cp	qtz stringers and veinlets w 20% mv angular xenoliths	509
439404	j	526284	5685930	qv			nv	65% qtz veinlets, 35% mv	909
439405	j	526427	5686099	qv			0.5% diss py	qtz+epi veinlets	2790
439406	j	526418	5686134	iv			1% diss+ff py	sulphides within qtz+carb veinlets, qtz amygdules, strong per chl	20
439407	c	527485	5687653	iv			1% diss py		6



**APPENDIX II**  
**ASSAY CERTIFICATES**



# ALS Chemex

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ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **MERREX GOLD INC.**  
**1650 BEDFORD HIGHWAY**  
**SUITE 802 - SUN TOWER**  
**BEDFORD NS B4A 1E6**

Page: 1  
Finalized Date: 6-DEC-2007  
This copy reported on 8-JAN-2008  
Account: **MRXGLD**

## CERTIFICATE TB07124104

Project: Shab  
P.O. No.:  
This report is for 15 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 24-OCT-2007.  
The following have access to data associated with this certificate:

C. J. CLARK ASSAYS MERCATOR	MICHAEL CULLEN PAUL TENIERE	GREG ISENER LAURIE VAUGHAN
--------------------------------	--------------------------------	-------------------------------

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

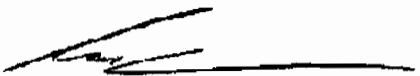
## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS

To: **MERREX GOLD INC.**  
**ATTN: C. J. CLARK**  
**1000 ALLOY DRIVE**  
**THUNDER BAY ON P7B 6A5**

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Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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 Finalized Date: 6-DEC-2007  
 Account: MRXGLD

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124104**

Sample Description	Method Analyte Units LOR	WEI-21	AU-AA23
		Recvd Wt. kg	Au ppm
		0.02	0.005
439347		0.62	0.373
439530		1.61	<0.005
439601		0.50	0.011
439602		0.62	<0.005
439603		0.91	0.023
439604		0.72	<0.005
439605		1.11	0.496
439606		0.92	2.38
439607		0.52	4.12
439608		0.92	0.453
439651		1.18	0.098
439652		0.36	<0.005
439653		1.05	<0.005
439654		0.47	<0.005
439655		0.51	0.005



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This copy reported on 20-DEC-2007  
Account: MRXGLD

## CERTIFICATE TB07124105

Project: Shab

P.O. No.:

This report is for 38 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 24-OCT-2007.

The following have access to data associated with this certificate:

C. J. CLARK

GREG ISENER

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: **MERREX GOLD INC.**  
**ATTN: C. J. CLARK**  
**1000 ALLOY DRIVE**  
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Signature:

Colin Ramshaw, Vancouver Laboratory Manager





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Account: MRXGLD

Project: Shab

## CERTIFICATE OF ANALYSIS TB07124105

Sample Description	Method Analyte Units LOR	WEI-21	AU-AA23	AU-GRA21
		Recvd Wt.	Au	Au
		kg	ppm	ppm
		0.02	0.005	0.05
439301		0.95	<0.005	
439302		0.98	<0.005	
439303		1.87	<0.005	
439304		1.50	<0.005	
439305		1.31	0.016	
439306		0.96	0.709	
439307		1.44	0.027	
439308		1.35	>10.0	73.6
439309		0.99	0.061	
439310		1.10	0.279	
439311		0.95	<0.005	
439312		1.20	0.011	
439313		1.15	0.821	
439314		1.84	<0.005	
439315		1.99	<0.005	
439316		1.53	0.263	
439317		1.02	<0.005	
439318		1.19	0.044	
439319		1.38	0.415	
439320		1.24	0.039	
439321		0.90	0.293	
439322		2.00	0.006	
439323		1.49	2.97	
439401		1.80	0.509	
439402		1.68	0.909	
439403		1.47	2.79	
439404		1.61	0.020	
439405		1.20	0.006	
439406		1.02	0.018	
439407		1.17	0.104	
439408		1.36	<0.005	
439409		1.09	<0.005	
439410		0.77	<0.005	
439411		1.04	0.011	
439412		1.33	<0.005	
439451		2.11	<0.005	
439452		0.79	<0.005	
439453		1.63	<0.005	



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**Account: MRXGLD**

## CERTIFICATE TB07124109

Project: Shab  
P.O. No.:  
This report is for 69 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 24-OCT-2007.  
The following have access to data associated with this certificate:

C. J. CLARK	GREG ISENER
-------------	-------------

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: **MERREX GOLD INC.**  
**ATTN: C. J. CLARK**  
**1000 ALLOY DRIVE**  
**THUNDER BAY ON P7B 6A5**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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 Finalized Date: 27-NOV-2007  
 Account: MRXGLD

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124109**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21
		Recvd Wt. kg	Au ppm	Au ppm
		0.02	0.005	0.05
439101		1.75	0.145	
439102		2.04	8.51	
439103		4.52	0.023	
439104		2.28	>10.0	24.8
439105		2.01	0.447	
439106		3.40	0.148	
439107		1.01	8.78	
439108		1.50	0.065	
439109		4.88	0.114	
439110		0.96	>10.0	20.9
439111		2.59	0.037	
439112		4.08	0.660	
439113		7.10	0.069	
439114		1.90	>10.0	12.05
439115		4.87	0.046	
439116		4.51	0.534	
439117		4.30	0.027	
439118		0.89	0.126	
439119		1.08	4.24	
439120		2.45	0.079	
439121		0.90	4.14	
439122		4.96	0.042	
439123		2.34	1.005	
439124		1.04	0.078	
439126		1.75	0.048	
439127		1.94	2.38	
439128		1.43	0.016	
439129		1.23	0.510	
439130		1.20	0.023	
439131		1.78	0.072	
439132		3.14	0.035	
439133		1.89	0.758	
439134		1.92	<0.005	
439136		1.38	0.029	
439137		0.93	0.054	
439138		2.08	0.283	
439139		1.96	0.121	
439140		1.99	0.122	
439141		1.74	0.069	
439142		2.49	0.086	



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Page: 3 - A  
 Total # Pages: 3 (A)  
 Finalized Date: 27-NOV-2007  
 Account: MR GOLD

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124109**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21
		Recvd Wt. kg	Au ppm	Au ppm
		0.02	0.005	0.05
439143		1.14	0.119	
439144		2.35	1.045	
439146		1.03	0.123	
439147		2.25	0.849	
439148		2.06	0.264	
439149		1.19	3.69	
439150		1.96	1.535	
439151		1.32	>10.0	13.70
439152		1.50	3.97	
439153		2.08	1.640	
439154		2.29	6.99	
439156		2.22	2.11	
439157		1.87	1.950	
439158		2.01	0.494	
439159		3.03	0.093	
439160		1.61	2.31	
439161		1.17	1.285	
439162		1.75	5.41	
439163		4.26	0.045	
439164		3.35	0.421	
439166		4.21	0.052	
439167		4.96	0.067	
439168		3.50	0.284	
439169		4.62	0.054	
439170		4.98	0.051	
439171		3.19	0.603	
439172		5.31	0.016	
439173		6.09	0.186	
439174		4.74	0.040	



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## CERTIFICATE TB07124108

Project: Shab  
P.O. No.:  
This report is for 43 Humus samples submitted to our lab in Thunder Bay, ON, Canada on 24-OCT-2007.  
The following have access to data associated with this certificate:  
C. J. CLARK                      GREG ISENER

## SAMPLE PREPARATION

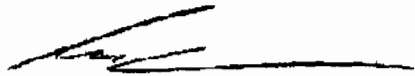
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both
DRY-21	High Temperature Drying

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS

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Signature:   
Colin Ramshaw, Vancouver Laboratory Manager



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 Account: MRXGLD

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124108**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23
		Recvd Wt. kg 0.02	Au ppm 0.005
439201		0.16	0.006
439202		0.23	<0.005
439203		0.18	0.006
439204		0.09	NSS
439205		0.35	<0.005
439206		0.27	<0.005
439207		0.33	<0.005
439208		0.24	<0.005
439209		0.26	<0.005
439210		0.33	0.020
439211		0.37	<0.005
439212		0.42	<0.005
439213		0.38	<0.005
439214		0.45	<0.005
439215		0.54	<0.005
439216		0.51	0.006
439217		0.50	<0.005
439218		0.30	<0.005
439219		0.80	<0.005
439220		0.34	0.013
439221		0.56	0.005
439222		0.40	0.006
439223		0.43	<0.005
439224		0.42	0.048
439225		0.54	<0.005
439226		0.45	0.007
439227		0.47	<0.005
439228		0.33	<0.005
439229		0.48	<0.005
439230		0.35	<0.005
439231		0.46	<0.005
439232		0.47	<0.005
439233		0.49	<0.005
439234		0.32	<0.005
439235		0.41	<0.005
439236		0.34	<0.005
439237		0.53	<0.005
439238		0.40	<0.005
439239		0.39	<0.005
439240		0.45	<0.005

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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Finalized Date: 23-NOV-2007  
Account: MRXGLD

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124108**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23
		Recvd WL kg	Au ppm
		0.02	0.005
439241		0.55	<0.005
439242		0.44	<0.005
439243		0.37	<0.005

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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**CERTIFICATE OF ANALYSIS TB07124108**

<b>Method</b>	<b>CERTIFICATE COMMENTS</b>
ALL METHODS	NSS is non-sufficient sample.





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## CERTIFICATE TB07124107

Project: Shab

P.O. No.:

This report is for 44 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 24-OCT-2007.

The following have access to data associated with this certificate:

C. J. CLARK

GREG ISENER

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
DRY-21	High Temperature Drying

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS

To: **MERREX GOLD INC.**  
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Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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 Account: **MRXGLD**

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124107**

Sample Description	Method Analyte Units LOR	WEI-Z1	AU-AA23
		Recvd Wt. kg	Au ppm
		0.02	0.005
439176		5.43	0.031
439177		3.02	0.613
439178		4.39	0.033
439179		5.53	0.353
439180		1.95	1.165
439181		4.55	0.046
439182		4.60	0.203
439183		1.54	2.77
439184		4.83	0.147
439186		3.98	0.040
439187		4.32	0.384
439188		1.61	2.38
439189		4.24	0.123
439190		5.11	0.058
439191		4.36	0.039
439192		1.56	2.64
439193		2.17	0.195
439194		1.76	1.495
439501		2.11	2.31
439502		3.03	0.779
439503		1.65	0.132
439504		3.83	0.015
439506		4.36	0.153
439507		2.49	1.245
439508		3.42	0.018
439509		3.08	0.019
439510		3.93	0.074
439511		1.76	0.869
439512		2.61	0.015
439513		3.40	2.19
439514		3.80	0.050
439516		1.69	0.291
439517		4.29	<0.005
439518		1.68	1.320
439519		4.40	0.006
439520		2.61	2.03
439521		3.10	0.007
439522		2.66	0.684
439523		3.44	0.020
439524		3.22	0.649



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Account: MRXGLD

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124107**

Sample Description	Method Analyte Units LOR	WEI-21	AU-AA23
		Recvd Wt.	Au
		kg	ppm
		0.02	0.005
439526		3.14	0.014
439527		3.32	0.049
439528		3.63	0.015
439529		3.53	0.129



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## CERTIFICATE TB07124106

Project: Shab

P.O. No.:

This report is for 23 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 24-OCT-2007.

The following have access to data associated with this certificate:

C. J. CLARK

GREG ISENER

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41	51 anal. aqua regia ICPMS

To: **MERREX GOLD INC.**  
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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: Shab

<b>CERTIFICATE OF ANALYSIS TB07124106</b>
---

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd WL kg	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ce %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
439324		0.79	0.07	2.25	7	<0.2	<10	10	0.13	0.05	3.47	0.05	4.96	28.1	657	0.08
439325		0.98	0.08	1.74	0.8	<0.2	<10	10	0.19	0.03	3.12	0.05	5.82	26.4	351	0.13
439326		0.78	0.08	2.31	4	<0.2	<10	20	0.29	0.04	1.84	0.12	5.46	34.7	389	0.24
439327		0.71	0.05	1.67	2.6	<0.2	<10	10	0.19	0.02	1.73	0.09	6.4	20.2	280	0.1
439328		0.82	0.07	2.22	<0.1	<0.2	<10	10	0.2	0.02	2.85	0.12	9.4	21.7	261	0.14
439329		0.66	0.03	2.9	4.7	<0.2	<10	20	0.15	0.01	0.99	0.09	13.45	30.7	222	0.11
439330		0.89	0.02	2.27	4.2	<0.2	<10	10	0.22	0.04	1.05	0.02	11.35	20.5	159	0.08
439331		0.73	0.02	3.67	0.3	<0.2	<10	20	0.16	0.01	2.03	0.06	17.4	30.7	287	0.18
439332		0.84	0.02	2.82	0.8	<0.2	<10	10	0.18	0.02	3.11	0.05	11.65	27.3	424	0.16
439333		0.47	0.03	2.6	2.1	<0.2	<10	20	0.21	0.04	1.27	0.05	55.7	24.5	471	0.19
439334		0.83	0.02	2.1	6.4	<0.2	<10	10	0.12	0.02	2.88	0.03	8.26	22.1	260	0.09
439335		0.84	0.03	3	0.4	<0.2	<10	10	0.15	0.01	1.86	0.04	7.18	26.9	319	0.1
439336		1.19	0.04	1.44	0.6	<0.2	<10	10	0.16	0.02	2.31	0.05	6.09	15.6	248	0.08
439337		0.87	0.05	2.36	3.1	<0.2	<10	10	0.12	0.02	1.01	0.03	8.61	46.9	340	0.3
439338		1.15	3.48	2.9	0.7	2.3	<10	50	0.16	0.12	0.94	0.02	21.9	32.9	254	0.48
439339		1.12	0.07	2.08	<0.1	<0.2	<10	30	0.15	0.02	1.12	0.03	13.7	17.7	193	0.08
439340		1.04	0.05	3.16	0.6	<0.2	<10	20	0.1	0.02	1.01	0.07	11.3	32.6	368	0.18
439341		1.00	0.12	2.58	0.2	<0.2	<10	30	0.15	0.02	1.3	0.16	4.64	39.1	309	0.18
439342		1.25	0.16	2.56	9	<0.2	<10	30	0.09	0.08	2.22	0.55	4.55	46.8	279	0.46
439343		1.12	0.06	1.9	0.4	<0.2	<10	30	0.13	0.02	0.85	0.03	16.85	17.6	137	0.12
439344		1.17	0.07	1.95	4.5	<0.2	<10	10	0.14	0.06	1.55	0.02	36.3	21.9	91	0.07
439345		0.63	0.02	1.11	1.9	<0.2	<10	10	0.19	0.02	2.1	0.06	8.33	9.5	174	0.28
439346		1.06	0.04	3.32	0.6	<0.2	<10	10	0.06	0.01	1.31	0.08	2.33	34.9	138	0.06

\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*



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Project: Shab

**CERTIFICATE OF ANALYSIS TB07124106**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cu	Fe	Ge	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
439324		41.9	3.28	5.22	0.13	0.24	<0.01	0.005	0.01	2	12.2	1.81	576	0.23	0.04	0.33
439325		43.1	2.6	4.05	0.15	0.18	<0.01	0.008	0.01	2.4	8.7	1.22	526	0.38	0.03	0.69
439326		56.8	4.01	4.59	0.19	0.23	<0.01	0.009	0.01	2.2	8.9	1.52	887	0.67	0.02	0.52
439327		47.6	2.76	4.27	0.15	0.24	<0.01	0.008	0.01	2.6	6.5	1.08	608	0.34	0.03	0.56
439328		48.9	3.59	5.07	0.14	0.19	<0.01	0.007	0.01	4.1	8.3	1.55	803	0.46	0.04	0.44
439329		30	4.03	6.75	0.12	0.15	<0.01	0.008	0.03	6.1	17.3	2.61	714	0.31	0.02	0.46
439330		45	3.26	5.17	0.12	0.28	<0.01	0.007	0.03	5	13	1.84	500	0.44	0.03	0.4
439331		47.7	5.06	9.62	0.14	0.15	<0.01	0.013	0.04	8	19.3	3.59	1065	0.17	0.02	0.35
439332		36.5	3.51	5.68	0.14	0.21	<0.01	0.008	0.02	4.8	14.1	2.9	569	0.28	0.02	0.4
439333		32.5	2.92	6.91	0.12	0.2	<0.01	0.01	0.08	24.1	15.8	2.94	497	0.13	0.02	0.43
439334		49.6	3.04	5.01	0.12	0.13	<0.01	0.005	0.01	3.8	9.4	1.84	516	0.22	0.03	0.26
439335		36.9	4.44	6.37	0.15	0.15	<0.01	0.005	0.01	3.3	13.1	2.73	687	0.28	0.03	0.46
439336		26.6	1.88	4.35	0.1	0.19	<0.01	0.006	0.02	2.6	5	0.85	443	0.28	0.02	0.53
439337		27.4	3.85	6.07	0.11	0.2	<0.01	0.006	0.05	3.5	10.4	2.01	645	0.93	0.03	0.49
439338		327	4.8	9.13	0.11	0.29	0.03	0.01	0.22	9.7	12.9	2.88	476	1.05	0.02	0.13
439339		36.8	2.32	4.39	0.06	0.15	<0.01	0.007	0.09	6.3	9.1	1.75	369	0.24	0.02	0.31
439340		24.8	4.55	6.75	0.11	0.21	<0.01	0.007	0.04	5.2	11.7	2.81	1035	0.26	0.03	0.42
439341		116	4.25	6.04	0.18	0.17	<0.01	0.007	0.02	3.1	8.2	1.98	647	0.46	0.03	0.21
439342		93.7	4.66	5.29	0.19	0.15	<0.01	0.008	0.02	2.1	6.6	1.88	736	0.63	0.03	0.25
439343		26	2.32	5.55	0.06	0.14	<0.01	0.007	0.09	8.5	8	1.63	403	0.31	0.04	0.21
439344		56	3.09	5.49	0.15	0.28	<0.01	0.007	0.01	15.1	7.6	1.59	478	0.52	0.04	0.59
439345		10.6	1.24	4.47	0.14	0.24	<0.01	0.007	0.01	3.6	2	0.36	220	0.25	0.03	0.81
439346		85.9	5.91	5.88	0.2	0.21	<0.01	0.011	0.01	1	8.8	2.16	945	0.18	0.03	0.19

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 Plus Appendix Pages  
 Finalized Date: 18-NOV-2007  
 Account: MRXGLD

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124106**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41		
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.2	0.01	0.01	0.2	0.005
439324		125.5	530	22.4	0.7	<0.001	0.09	0.06	4	0.3	0.3	41.1	<0.01	0.03	0.3	0.259	
439325		169	840	4.8	0.9	<0.001	0.05	0.1	2.8	0.4	0.2	71.1	0.01	0.01	0.4	0.355	
439326		226	940	7.1	1.5	<0.001	0.1	0.1	3.2	0.4	0.2	60	0.01	0.03	0.3	0.349	
439327		80.4	770	3.4	0.7	<0.001	0.01	0.07	3.2	0.3	0.2	38.9	0.01	0.01	0.4	0.303	
439328		121	1220	6.1	1.3	<0.001	0.03	0.08	2.4	0.3	0.2	53.7	0.01	0.01	0.5	0.285	
439329		135	1000	2.3	2.2	<0.001	<0.01	0.09	3.2	0.2	0.2	70.6	<0.01	0.01	0.6	0.277	
439330		83.6	1020	5.4	1.5	<0.001	<0.01	0.11	2.6	0.3	0.2	77.6	<0.01	0.01	0.7	0.3	
439331		103	1020	1.7	2.8	<0.001	<0.01	0.05	4.6	0.3	0.2	56.2	0.01	0.01	0.8	0.327	
439332		165	1360	3.8	1.1	<0.001	<0.01	0.08	2.5	0.3	<0.2	90.7	0.01	0.01	0.7	0.252	
439333		172.5	2190	2.7	4.7	<0.001	<0.01	0.08	3.4	0.2	0.2	111	<0.01	0.01	2.3	0.209	
439334		87.6	700	4.2	0.7	<0.001	<0.01	0.07	2.4	0.2	<0.2	60	<0.01	0.01	0.5	0.231	
439335		102.5	780	1.6	0.7	<0.001	<0.01	0.08	2.7	0.3	<0.2	49.3	<0.01	<0.01	0.4	0.357	
439336		70.2	510	4.9	1.2	<0.001	<0.01	0.16	2.7	0.2	<0.2	64.1	<0.01	0.01	0.3	0.231	
439337		272	900	2	4.6	0.002	0.04	0.1	2.9	0.3	0.2	45.7	<0.01	0.03	0.5	0.275	
439338		152	970	4	11.2	<0.001	1.01	0.07	3	0.8	<0.2	19.6	<0.01	2.19	1	0.116	
439339		128.5	870	1.9	4.5	<0.001	<0.01	0.1	2.2	0.2	<0.2	128.5	<0.01	0.01	0.8	0.228	
439340		211	900	3.6	2.9	<0.001	<0.01	0.05	3.3	0.2	0.2	42.6	<0.01	0.03	0.9	0.27	
439341		162.5	530	1.4	1.3	0.001	0.04	0.13	3.6	0.4	<0.2	44	<0.01	0.01	0.2	0.317	
439342		532	500	3.9	3.9	0.003	0.61	0.19	3.1	1.4	<0.2	52.9	<0.01	0.14	0.3	0.254	
439343		96.5	630	1.8	4.1	<0.001	<0.01	0.12	2.4	0.2	<0.2	98.4	<0.01	0.03	1.2	0.192	
439344		63.7	1960	3.7	0.6	<0.001	0.15	0.1	2	0.4	0.3	80.5	<0.01	0.04	1.7	0.253	
439345		57	590	2.7	1.5	<0.001	<0.01	0.13	2.9	0.2	0.2	62.7	<0.01	0.01	0.4	0.225	
439346		69.6	210	1.9	0.4	0.001	<0.01	0.05	5.3	0.3	0.2	20	<0.01	0.01	<0.2	0.289	

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



**ALS Chemex**  
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**BEDFORD NS B4A 1E6**

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 Account: MRXGLD

Project: Shab

**CERTIFICATE OF ANALYSIS TB07124106**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Tl	U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5
439324		<0.02	0.06	55	0.16	2.29	61	6.4
439325		0.02	0.07	39	0.16	3.32	43	7
439326		0.03	0.06	44	0.1	3.3	74	5.8
439327		<0.02	0.07	44	0.14	3.62	54	8.6
439328		0.02	0.08	51	0.11	2.84	77	5.6
439329		0.02	0.08	46	0.35	3.77	88	3.5
439330		0.02	0.1	46	0.14	2.72	63	9.5
439331		0.02	0.09	80	0.14	6.18	81	3.7
439332		<0.02	0.08	46	0.12	2.87	63	7.3
439333		0.03	0.28	52	0.1	5.52	49	10.9
439334		<0.02	0.05	48	0.1	2.71	48	3.5
439335		<0.02	0.05	66	0.11	2.54	73	3.6
439336		<0.02	0.07	34	0.12	2.36	36	7.2
439337		0.03	0.08	62	0.46	3.04	80	6
439338		0.07	0.12	67	18.55	2.84	78	10
439339		0.03	0.12	28	0.25	2.86	40	4.5
439340		0.02	0.09	62	0.6	3.46	95	5.4
439341		0.02	<0.05	71	0.23	2.4	79	4
439342		0.03	0.05	64	0.15	2	121	3.3
439343		0.02	0.12	30	0.27	2.2	52	5.4
439344		<0.02	0.17	45	0.5	4.81	53	10.9
439345		<0.02	0.09	27	0.13	2.28	14	9.2
439346		<0.02	<0.05	109	0.07	3.79	74	4.4

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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Project: Shab

**CERTIFICATE OF ANALYSIS TB07124106**

<b>Method</b>	<b>CERTIFICATE COMMENTS</b>
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

**APPENDIX III**

**WORK LOG**

Work Log - Surface Exploration Program  
 MXI-SL (Shabumeni Lake)  
 Fall 2007

J=Joerg  
 D=Dan  
 R=Regan  
 C=Chuck  
 B=Brendan  
 A=Aaron  
 H=Hutch  
 T=Todd  
 G=Gerald (Cook)  
 Ja=Jake

Date	Personnel	Claim	Comments
20-Sep	CBAHTGJa		Mob to Red Lake
21-Sep	CBAHTGJa		Unloaded camp weather out -no flying
22-Sep	TJa		Load planes
22-Sep	CBAHG		Fly into camp-Dock and camp set-up
23-Sep	CBAHTGJa		Fly in-Camp setup Jake drives home
24-Sep	CBAHTG		Camp setup
25-Sep	CBAHTG		Camp setup- Joerg,Dan and Regan fly in
26-Sep	JRD	1247895	Prospecting & Mapping
26-Sep	HTABC	1247895	Camp Setup
27-Sep	JRDC	4211605	Prospecting & Mapping
27-Sep	HTAB	1247895	Trenching - Main Showing
28-Sep	JRD	1247895	Prospecting & Mapping
28-Sep	THA	1247895	Trenching - Main Showing
28-Sep	CB	4211605	Prospecting
29-Sep	HAT	1247895	Trenching - Main Showing
29-Sep	CB	4211605	Prospecting
29-Sep	JRD	4211605	Prospecting & Mapping
30-Sep	HAT	1247895	Trenching - Main Showing
30-Sep	CB	4211605	Prospecting
30-Sep	JRD	1247895	Prospecting & Mapping
1-Oct	HAT	1247895	Trenching - Main Showing
1-Oct	CB	4211605	Prospecting
1-Oct	JRD	4211605	Prospecting & Mapping
2-Oct	HBT	1247895	Trenching - Snake Showing
2-Oct	CARD	4219846	Prospecting
2-Oct	J	1247895	Trench Mapping - Main Showing
3-Oct	TBH	1247895	Trench Sampling & Cutting - Main & Snake
3-Oct	JRD	1247895	Sampling of Showing, Sample description, etc.
3-Oct	CA	1248665	Prospecting
4-Oct	RD	1247895	Soil Sampling (Humus)
4-Oct	TBH	1247895/4211605	Finished cutting Snake, moved over to Iceberg Showing
4-Oct	CA	4211605	Mapping, Prospecting
4-Oct	J	4211605, 1247895	Mapped L0 and 1E, and mapped Snake Showing
5-Oct	RD	1247895	Sample description at Snake & Iceberg

5-Oct	TBH	4211605	Trench Sampling & Cutting - Iceberg
5-Oct	J	1247895	Sampling ICP
5-Oct	CA	1247895	Prospecting
6-Oct	DHB	4211605	Trenching
6-Oct	CA	4219846	Prospecting
6-Oct	JR	4219876	Mapping, Prospecting
7-Oct	JA	1247895/4219846	Trench Mapping - Iceberg / Mapping
7-Oct	HB	1247895	Prospecting
8-Oct	CDR		Fly out
8-Oct	J		Drafting
8-Oct	BA	4219846	Prospecting
9-Oct	HBCEJ	1247895	Rain day - firewood, camp chores, data entry, etc.
10-Oct	J		Fly out
10-Oct	TABH	4211605	Prospecting
11-Oct	TABH	4211605	Channel Sampling
11-Oct	TABH	1248663/4207408 4219848/4219855	Prospecting
12-Oct	TAB	4211607/1248665 1248666	Prospecting
12-Oct	H		Camp breakdown
13-Oct	TABHG		Camp breakdown
13-Oct	AHG		Fly out
13-Oct	TB		Swain Post - arrange for boat
14-Oct	TB	4219850/4219879	Prospecting
15-Oct	TB	4219879/1248661	Prospecting
16-Oct	TB		Fly out
16-Oct	Ja		Drive to Red Lake
17-Oct	TBJa		Drive to Thunder Bay