

**EVALUATION REPORT**  
**on the**  
**CEDARTREE LAKE GOLD PROJECT**  
**KENORA MINING DIVISION,**  
**ONTARIO NTS 52F/5**  
**for**  
**HOUSTON LAKE MINING INC.**

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**February 1, 2003**

*R. Ken Germundson*



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- 6 – Sketch Map of the Main Showing of the McLennan Property

### **3: SUMMARY**

Houston Lake Mining Inc. (45%) and Inca Mining Corp. (55%) jointly hold the McClennan group of patented claims. The North Block, Jessie (North) and 3000802 to 3000804 claims are held 100% by the Houston Lake Mining Inc. Little or no work has been undertaken on the five-staked claims. Sylvanite gold Mines Limited carried out physical work, such as trenching and core drilling, on the McLennan Group in 1944-'45. The control for the zone of shearing, and associated drag folding, that hosts the gold mineralization has developed along the western limb of the major Emm Bay-Peninsula Bay Syncline (Figure 3). Splay faults that have developed transversely to the Cameron Lake-Pipestone Lake Fault are also major control features for gold mineralization (Metalore Resources Limited and Nuinsco resources Limited).

The Sylvanite drilling focused on the Main or McClennan Zone, and 9 holes show significant gold-bearing intersections along a strike length of 280 metres (14 holes were drilled along a strike length of 360 metres). Typical intersections along the shear zone and off shoot shears (figure 6) are:

0.20 o/t over 1.2 feet  
0.53 o/t over 18.0 feet  
0.25 o/t over 3.0 feet.  
0.55 o/t over 1.5 feet  
0.54 o/t over 3.5 feet.

Seven metres of continuous surface sampling (6540001 to 650015) returned an average gold content of 2.74 grammes per tonne from the main pit of the McClennan Zone (Inca Mining Corp.).

The alteration of the sheared zone includes carbonatization (ankerite), silicification (as quartz networks, pods and stringers), bleaching (likely not albitization as only low values for sodium have shown up in samples) and iron oxide (rust). Pyrite, locally enriched to 11%, occurs as disseminations and stringers. Chalcopyrite is generally present in small amounts and is thought to represent a suitable indicator element in regard for a geochemical approach for gold-target delineation.

A similar environment is present along the recently re-discovered sheared and altered "New" Zone that subparallels and is 400 metres east of the number 1 zone (claims K10026 and K10029, figure 3, and 4). The host rock is a gabbro sill. Samples 654053 to 654057 assayed between 29.84 and 74.62 grammes per tonne Inca Mining Corp.). Other samples, collected from a road exposure at the southern end of the exposed zone, in which the mafic rocks are markedly iron-stained, returned as much as 2.54 grammes per tonne gold (6006). The rock is carbonated and silicified.

During the present programme assays as high as 44.7 grammes per tonne were returned from sheared and silicified gabbro in the "New" zone.

There is limited knowledge as to the degree and strike length of the shearing in the claims, but altered and mineralized shears in the immediate area are as much as 600 to 700 metres in length.

Numerous gold-bearing deposits have been found in the Cedartree Lake area. The greatest percentage of these have alteration and shear patterns similar to the McLennan regardless of host rock (mafic, intermediate or felsic volcanics; mafic or ultramafic sills; and, for the most part, feldspar porphyries. Unverified tonnages have been estimated for some of the deposits located in the immediate vicinity of the McLennan (Figure 3):

Dogpaw at 59,520 tons grading 0.45 ounces per ton,

Dubenski at 253,000 grading 0.24 ounces per ton.

Metalore Resources Limited with the following significant drill intersections:

M-1 – 8.0 metres of 0.162 with visible gold.

M-2 – 6.40 metres of 0.334.

M-5 – 10.90 metres of 1.237 with visible gold.

M-7 – 10.90 metres of < 0.10.

M-10 – 4.60 metres of 0.128.

M-13 – 7.30 metres of 0.318

There is a high potential for the discovery of additional gold mineralization within the Cedartree Group of Mineral Claims held by Houston Lake Mining Inc.

**EVALUATION REPORT**  
**On The**  
**CEDARTREE LAKE GOLD PROJECT**  
**KENORA MINING DIVISION,**  
**NTS 52F/5 ONTARIO**  
**For**  
**HOUSTON LAKE MINING INC.**

**4: INTRODUCTION AND TERMS OF REFERENCE**

The following report documents work completed on the Dogpaw Lake Gold Properties of Houston Lake Mining Inc. (McLennan, Jesse [North], West Cedartree Lake and North Block claims) by previous mineral exploration companies and from a stripping and sampling programme carried out by the author during June, 2002. Mr. Grayme Anthony, President, Houston Lake Mining Inc. authorized the writer to undertake the project.

The 4 groups of claims comprising a land position of 603.6 hectares = 1,490.9 acres is located in the Kenora Mining Division. Houston Lake Mining Inc. holds a 55% interest in the McClennan property and a 100% interest in the remaining 3. The necessary filing of the paper work for the transferring of the Jesse (North) and the North Block is pending.

The gold bearing zones are: 1) the 300 metre long McClennan zone, and 2) the "New" zone, which has been stripped over a strike length of 120 metres and is open towards the south.

**Definitions**

1. pennyweight (d. w. t.) –  $\frac{1}{20}$  of a troy ounce.
2. troy ounce –  $\frac{1}{12}$  of a pound; used for assays of precious metals (Au, Ag, Pt, Pd, etc).
3. Albitization – The feldspar, albite, which is sodium rich, replaces the more calcic feldspars, which are more calcium rich, in an igneous rock.
4. Sill – The mafic to ultramafic (gabbro) intrusions in the Cedartree Lake Area tend to parallel the trends of volcanic rocks, which have been forced into a near vertical attitude and folded. A sill is generally defined as being a horizontal feature that parallels flat lying bedding. The intrusives in question were likely emplaced prior to the advent of regional compression and therefore were caught up in the episodes of folding. If the intrusives were emplaced after folding, then the term "concordant dykes" would be more appropriate.

**5: DISCLAIMER**

In the opinion of the author of the following evaluation report on the **Cedartree Lake Gold Project for Houston Lake Mining, Inc.**, all of the reference sources, from which information was used, were written by individuals that are qualified to do so.

**7d: Infrastructure**

Part of the Province-wide, Hydro 1 power grid follows the highway 71 corridor. Other than the gravel road, no other infrastructure affects the property.

**7e: Physiography**

Between 30% and 40% of the Cedartree Lake area is covered with water. There is a broad relationship between the shape and distribution of the lakes with major faulting and regional folding of the metavolcanic sequences. Ridges tend to follow particular lithologies especially where regional folding is most apparent. The steep western limb of the Emm Bay-Peninsula Bay Syncline, which has a northeasterly trending, near vertical axis, underlies the property. Distinct topographic trends show the shape of the fold (figure 3 and also see figure 4).

The northwest trending, major Cameron Lake – Pipestone Lake Fault has controlled the “linear” aspects of parts of Dogpaw, Flint and Stephen Lakes.

Many of the mineralized zones, especially in the MacLennan claims, strike slightly east of north, parallel the topography and were caused by volume/space differentials as folding took place. Other mineralized zones, in particular the one drilled by Metalore Resources Inc., are the result of faults splaying off the Cameron Lake-Pipestone Lake Fault.

The relief varies up to 30 to 50 metres in and adjacent to the property.



## **7: ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPY**

### **7a: Accessibility**

The Cedartree Lake Gold properties, located in the Rainy River district of North-western Ontario, are accessible as follows:

1. From Kenora travel on the Trans Canada Highway for 20 kilometres east to the junction with highway 71.
2. Follow highway 71 towards the south for a distance of about 60 kilometres to the Cameron lake private road, which branches eastward.
3. About 300 metres in on the Cameron Lake Road, stop at the sawmill complex. Get directions here as to how to continue as logging trucks may be using the narrow road.
4. At 9 kilometres in on the Cameron Lake Road, a relatively sharp curve to the south is located across the boundary between the Canadian Arrow and the McLennan patented claim groups (figures 3, and 4).

### **7b: Climate**

Winter temperatures may hold at 15 to 25 degrees below Celsius zero for periods of time. Similarly, summer usually includes a range of temperatures that are as high as 25 to 30+ degrees above zero. Lakes are generally completely frozen over by early to mid-January. Major cold weather has its source from the northwest while the fiercest winter storms generate out of Colorado in the United States of America.

### **7c: Local Resources**

A private, gravel road, built jointly by a logging company and Metalore Resources Ltd., crosses the McClelland claims. Logging is now undertaken east of the property. Little tourism reaches the area around the property because of the "restricted access." Highway 71 skirts the eastern edge of the Lake of the Woods, which is a major tourist destination. All necessary supplies for exploration can be obtained along the highway 71 corridor or from Kenora, the major centre in the region.

Elk have been introduced into the area, and periodic checks are made by the Ministry of natural Resources.

## **6: PROPERTY DESCRIPTION AND LOCATION**

The Cedartree Lake Property of Houston Lake Mining, inc. is located in the Kenora Mining Division of northwestern Ontario (NTS 52F/5) (Figures 1 to 4). For further information refer to:

- Department of Energy and Mines, Canada, Caviar Lake Topographic Sheet, NTS 52F/5.
- Cedartree Lake Area, District of Kenora, Ontario Division of Mines Geoscience Report 134 with Geological Map 2319 (figure 4). The coordinates immediately north of the property are: 49° 19' 51" N at 93° 52' 56" W.
- Ontario claims Map G-2613.

The property is made up of the following claim groups (figures 3 and 4) (Grayme Anthony, personal communication).

1: the McLennan Group of 7 Patented Claims, K10024 to K10030, encompasses an area of 139.6 hectares (345 acres). Houston Lake Mining Inc. holds a 45% joint venture interest in the claims with Inca Mining Corp. at 55%. Houston Lake can earn in to the remaining 55% by expending \$200,000 and issuing 75,000 shares to Inca Mining. The agreement is subject to a 1.5% net smelter return for Inca Mining.

2: the Jesse North Claim, 1149862, is composed of 144 hectares = 355.7 acres and abuts the southern boundary of the McLennan and the western boundary of the West Cedartree claim groups. Houston Lake Mining Inc. has earned a 100% interest in the claims, and the filing of the papers transferring the claim from James Willis Hubert to HLM is in progress. The agreement is subject to a 2.5% Net Smelter Royalty.

3: the North Block, 1196649, is now held 100% by Houston Lake Mining, Inc. The transferral of the claims from Timothy J. Twomey is pending. The block contains about 80 acres = 32 hectares.

4: The West Cedartree claims, 3000802, 803 and 804, are 100 % owned by Houston Lake Mining, Inc. The three claims is 288 hectares = 710 acres

The total land area is 603.8 hectares = 1490.9 acres.

## **8: HISTORY**

Refer to figures 3 and 4 (and also the section on “Adjacent Properties” for a description of the work carried out on other properties in the near vicinity). A number of gold deposits were discovered in the general area during the late 1800’s.

### **8A: History Summary of the Immediate Area**

There is evidence that the gold-bearing, Dogpaw deposit (now held by Canadian Arrow and located north of HLM’s McClennan group of patented claims) was first discovered in 1901 during the initial phase of exploration in the area. Messrs. Kenty and Martin for Noranda Mines Limited rediscovered the mineralization during 1944. Noranda completed 9,300 +/- feet of core drilling in 82 holes. A 32 hole (8,790 feet) drill core programme by Canadian Arrow Mines (still registered owner of the claims) in 1960-1961. Nuinsco Resources drilled 7,651 feet during 1988. A 500 ton bulk sample was collected by Larchex Ltd in 1995-96. **Houston Lake Mining Inc.** optioned the property in 1996, and core drilled 4,323 metres in 41 holes; At the same time (1997), **HLM** acquired an option on the Jesse (North), North Block and the McClennan claims.

### **8B: History of the Cedartree Lake Gold Properties**

#### **History of the McClennan Property**

The McClennan group of 7 patented mineral claims (K10024 to K 10030) is now 45% owned and 55% optioned by HLM. The claims were staked by G. E. McLennan in the spring of 1944 and were tied onto claims to the north that were held by Noranda Mines (now the Canadian Arrow Mine’s property).

#### **Sylvanite Gold Mines Limited (1944)**

Sylvanite optioned the claims and found the Main Showing, which is located in the northwest corner of claim K10025. During 1944 and early 1945, a programme of trenching and the drilling of fourteen core holes was completed beneath and along the strike away from the Main Showing (Figure 5 shows the assay results from the trenching and drilling). Sylvanite did no further work and returned the claims to McLennan. The claims were patented. Apparently, little or no other work was done on the property until Inca Mining Corp. took over the ground in the mid 1990’s.

The trend away from the Main showing follows a low ridge that is on the western flank of the Emm Bay- Peninsula Bay Syncline (Figure 4). The ridge is held up by mafic and intermediate metavolcanics in contact with a mafic to ultramafic sill (figures 3).

Drag folding, which cuts across the mineralized zone, occurs along the limb of the Emm Bay-Peninsula Bay Syncline. Both the shearing and the folding were formed in response to spatial adjustments that were made as regional folding proceeded. The sheared rocks became the loci for alteration and gold mineralization. Channel sampling at the main pit assayed as much as 0.53 oz./ton/18 feet.

The Sylvanite drilling focused on the Main Zone (1), and 9 holes show significant gold-bearing intersections along a strike length of 280 metres (14 holes were drilled along a strike length of 360 metres). Typical intersections along the shear zone and off shoot shears (figure 5) are:

0.20 o/t over 1.2 feet

0.53 o/t over 18.0 feet

0.25 o/t over 3.0 feet.

0.55 o/t over 1.5 feet

0.54 o/t over 3.5 feet.

The alteration of the sheared zone includes carbonatization (ankerite), silicification (as quartz networks, pods and stringers), bleaching (likely not albitization as only low values for sodium have shown up in samples) and iron oxide (rust). Pyrite, locally enriched to 11%, occurs as disseminations and stringers. Chalcopyrite is generally present in small amounts and is thought to represent a suitable indicator element in regard to a geochemical approach for gold-target delineation.

A similar environment is present along the more recently re-discovered sheared and altered number 2 zone that parallels and is 400 metres east of the number 1 zone (claims K10026 and K10028) (Figures 3 & 4)

**Inca Mining Corp., 1997.**

Assay results are in the appendix for samples . The samples were analyzed for 31 elements by the ICP method. See figure 4 for sample locations.

**Samples 6003 to 6008**

These samples, located in claim number K10026, are from a road exposure in the gabbro sill, in which the mafic rocks are markedly iron-stained. The rock is carbonated and silicified. Sample 6006 assayed 2.4 grammes per tonne gold. Gold values for the remaining samples ranged between 32 and 453 parts per billion.

1. As appears to be usual for mineralized zones in the property, there is depletion for both sodium and potassium with their ranges being from 0.01 to 0.02 percent.
2. Samples 6002 to 6005 contain 1.13% to 2.01% magnesium, and samples 6006 to 6008 contain 4.31% to 6.63%.
3. Calcium content is also variable but not in the same sequences as for magnesium. The range is from 0.35% to 5.45%. Scandium varies in concentration from 4.6 to 14.2 ppm and follows calcium variations.
4. Chromium has levels ranging from 351ppm to 841ppm, which are well-elevated above the values for the other rock types underlying the property.
5. Manganese analyses vary between 186ppm and 1480ppm with sample 6006 at 1220ppm.
6. Nickel and copper are distributed in a similar pattern to magnesium and calcium. Samples 6002 to 6005 average 74 ppm nickel and 4.4ppm copper, and samples 6006 to 6008 average 225ppm nickel and 18ppm copper
7. Silver is present in sample 6006 at a concentration of 2.3g/t (with the gold). The average silver content in the other five samples is 0.38g/t.

Overall, samples 6002 to 6005 were collected from a less altered part of the zone of structure (shearing). Although the copper and nickel values are relatively low, they do indicate a possible association with gold.

**Samples 6009 to 6012**

The four samples were collected from claim K10028 at or close to the southward projection of mineralized zone number 2. Gold values in the samples assayed between 4ppb and 103 parts per billion.

- Calcium and magnesium are concentrated in inverse proportions. Samples 609 and 6010 have averages of 7.0%/5.2% of Ca/Mg, and samples 6011 and 6012 have averages of 2.3%/9.45 of Ca/Mg.
- Chromium values are elevated in the range of 634ppm to 824ppm, which is typical of the gabbro.
- Nickel is notably anomalous at values between 166ppm and 341ppm. Copper values, although more subdued than the ones for nickel, range from 17.3ppm to 42.4ppm.
- Arsenic and silver are at sub anomalous levels.

#### **Sample 6013**

The sample was collected from the vicinity of the southern extension of the McLennan gold-bearing zone (mineralized zone number 1) in mafic metavolcanics, claim K10029. Gold assayed at 12 parts per billion. Copper (69.1ppm) and zinc (85.9ppm) are borderline anomalous.

#### **7Abiv: Samples 6014 and 6015**

These samples are from the mafic metavolcanics near the southward projection of the McLennan zone, claim K10029. Low gold values of 12ppb and 11ppb respectively are not of interest. Copper values are significant in the 0.12% and 0.17% range, whereas nickel has dropped off (away from the mafic sill) to 54ppm and 51ppm.

Soil geochemistry, keyed to copper, may be an exploration tool that would help to define the presence of mineralized zones beneath overburden, especially over the meta-volcanic suites.

#### **7Abv: Sample 6002**

The sample is from claim K10025 and is located just to the west of the McLennan zone. Gold at 0.45 grammes per tonne is of moderate interest. Ca: .45%; Fe: 7.2 %.

[For the following results for samples 654001 to 654015 and 654041 to 654066, testing was by Intertek Testing Services (Bondar clegg), Val d'Or, Quebec, and include analyses for 34 elements. The results, along with lithologic descriptions, are in the appendix.]

### **Samples 654001 to 654015**

Fifteen samples were collected across 7 metres in mafic metavolcanics near the contact with a gabbro sill in claim K10025 of the McLennan property (from the main pit). The alteration in the showing consists of moderate to strong silicification, ankeritization, and hematization along with up to 5% pyrite as disseminations and fracture fillings. With each sample being about 0.50 metres in length, the average gold content for the 7 metres is 2.74 grammes per tonne. The gold content varies between 78 and 6515 (6.5 grammes or parts per million) parts per billion.

- Copper content ranges from 72 to 582 parts per million and averages 220 ppm. Copper is a potentially valuable indicator element for gold.
- Lead content is markedly anomalous over about 3 metres (samples 654010 to 654015), and it varies between 38 and 343 ppm with an average of 99 ppm. The 343 ppm lead does not correlate with the 582 ppm copper.
- Arsenic analyses range from 67 to 652 ppm with an average of 262 ppm.
- Iron is abundant in the mineralized zone and varies between 5.37% and 8.23%.
- Calcium is not definitively anomalous, but it's content is from 0.90% to 4.97%.
- The sodium and potassium contents are on the low side and are generally less than 0.10 %.

### **Samples 654041 to 654066**

This sequence of samples is from trench B in the gabbro sill in claim K10026 of the McLennan property. There is consistent ankeritisation and silicification along with magnetite and a trace of pyrite in the samples. Fuchsite (a bright green variety of the mica, muscovite, that contains up to 5% chromium oxide [ $\text{Cr}_2\text{O}_3$ ]) occurs in the samples.

Samples 654053 to 654057 assayed between 29.84 and 74.62 grammes per tonne gold. Except for a two sample shoulder on either side of the high gold-bearing samples, the gold content for the remainder of the samples ranges between >5 and 183 ppb.

There are some marked differences in the geochemistry of this sample sequence as compared to all of the other samples that are part of the batch:

1. The amount of chromium has increased markedly in all but three of the samples to a range of 256 to 896 parts per million. Compare this with a chromium range of

2. 42 to 119 ppm for samples 654001 to 654015. The increase in the chromium content is related to the presence of fuchsite.
3. There is a correlative increase in the nickel content from 133 to 372 ppm (excluding five lower values). Two of the lower values correspond to the gold-bearing zone. Copper shows a marginal increase in concentration to 203 ppm in the gold-bearing zone.
4. Manganese and iron actually show a decrease in value in at least 2 of the five gold-bearing samples (Fe/Mn = 1.39%/375 ppm and 1.55%/427ppm).

#### **Placer Dome Canada, 1997**

Assay results are in the appendix and were completed by Chemex Ltd. See figure 4 for the locations of the samples. There is difficulty locating some of the samples, and these are not indicated on the figure.

A number of significant gold values were obtained from samples collected during a field examination of the McLennan property by Placer Dome Canada during October, 1997. Results were received in November. At the time, Placer Dome chose not to participate further in exploration programmes on the claims. All of the samples except one are apparently from pits in the McClennan zone, but the exact locations are not certain.

Four samples, collected from a pit 30 metres from the road on the McLennan property ( BO7656 to BO7659 in trench number 4), and ranging in length between 1.0 and 1.6 metres, returned an average grade of approximately 10 grammes per tonne over 4.8m. The samples are not continuous across the strike, but each one parallels the shear trend and is separated from adjacent samples. The basalt is variably carbonated and silicified and contains 1% to 5% disseminated pyrite.

Samples BO7663 to BO7667 are from the "main pit," which is in claim K10025). A 30cm sample (BO7666) contains 12.75 grammes per tonne gold, and the adjacent 40cm sample (BO7667) assayed 1400g/t. Each sample was collected parallel to the foliation trend so that there is no continuity of sampling from one sample to the next.

A 21.12 g/t sample was assayed from a road outcrop located 400 metres east of the above MacLennan pit (= "New" zone) (sample BO 7660).



**Claim 3000802**

E. M. Robertson and Company worked the area in 1944 (figure 4). Minor drilling and trenching was completed. Gold results were not encouraging. No further work on the claim has been documented.

**Jesse (North) and North Block Claims**

No known work has been carried out.

## **9: GEOLOGICAL SETTING**

The oldest rocks underlying the Cedartree Lake area are composed of a series of mafic metavolcanics that are overlain by a composite of various intermediate and felsic metavolcanics, all of Archean age. Mafic and ultramafic bodies, including sills, have intruded all of the metavolcanic sequences. The entire rock section has been tightly folded with near vertical axial planes (see also section **6e: Physiography**). Younger intrusions include Algonian granite and granodiorite stocks and batholiths, a diorite stock and quartz and feldspar porphyry dykes.

Most of the western and northern parts of the map area are underlain by the mafic metavolcanics. The greatest part of the felsic and intermediate metavolcanics are in the southeastern quadrant of the map area, which also includes the largest diorite stock and most of the gabbro-ultramafic sills. The contact between the mafic and felsic to intermediate metavolcanics is separated by a sill along the western part of the sequences. The northern contact is, in part, undisrupted by sill-like intrusions.

Pyroclastic sequences, composed of ash to boulder tuffs to a size of over a metre, are interlensed with the basalts, andesites and, to a lesser extent, rhyolites and inter-flow sediments. Many of the clasts are made up of rhyolite enclosed in a darker but compositionally similar matrix. There are local concentrations of chloritic bombs.

The youngest rocks in the area, comprising gabbroic and dioritic, north-west trending dykes, vary from 15 to 60 metres wide. They were emplaced along tensional fractures that are related to the relaxing of compressional forces that formed the folded and up-turned volcanic pile. As well, there are a number of linear fracture systems and faults that cross the area, which commonly parallel or sub-parallel the limb of the syncline.

The Dogpaw property is located along the north-western or western limb of the the Emm Bay – Peninsula Bay Syncline. (Figure \*\*). All of the major rock types, including mafic, intermediate and felsic metavolcanics as well as the mafic to ultramafic sills, are represented in the syncline. Mineralized shear zones either parallel the trend of the limb or can be aligned in an east-west direction. In both cases, gold may form part of the mineral suite.

**Table 1: Lithologic units for Cedartree Lake area – from Geoscience report 134  
(Geological Map 2319), Ontario division of Mines, District of Kenora.**

**By: J. C. Davies and J. A. Morin**

**PHANEROZOIC**

**Cenozoic**

**Quaternary**

Recent – Swamp and stream deposits.

Pleistocene – Sand, gravel, boulders, clay.

*Unconformity*

**PRECAMBRIAN**

**Middle to Late Precambrian (Proterozoic)**

**Mafic intrusive rocks – Diabase.**

*Intrusive Contact*

**Early Precambrian (Archean)**

Late mafic dikes – gabbro, diorite, lamprophyre.

*Intrusive contact*

**Felsic Intrusive Rocks**

**Late felsic intrusive rocks**

Foliated and massive granodiorite, massive diorite contaminated diorite.

*Intrusive Contact*

**Early felsic intrusive rocks**

Granodiorite, feldspar porphyry, quartz porphyry, quartz-feldspar porphyry, fine-grained granodiorite and aplite.

**Mafic And Ultramafic Intrusive Rocks**

Gabbro, diorite, quartz gabbro, anorthositic gabbro, pyroxenite, peridotite, orthopyroxenite.

*Intrusive Contact*

**Metavolcanics And Metasediments**

**Metasediments** - Volcanic sandstone, volcanic conglomerate, argillite, chert.

**Felsic to intermediate metavolcanics** – Dacite, porphyritic dacite, rhyodacite, tuff breccia, lapilli-tuff, tuff ignimbrite, spherulitic ash flows.

**Mafic to intermediate metavolcanics**

Andesite, basalt, coarse-grained basalt, tuff breccia, lapilli-tuff, tuff, flow breccia, pillow breccia, porphyritic andesite, pillow lava.

## **10: DEPOSIT TYPES**

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The gold deposits that are located in the Cedartree Lake Property are structurally controlled and are found in shear zones that are located along and parallel to the northwest (west) limb of the Emm-Bay-Peninsula Bay Syncline. The shear zones have developed in response to adjustments in the rock masses as folding progressed. Differences in rock competency are a factor in shear development. The felsic to intermediate metavolcanics and pegmatite dikes are also mineralized in the area of the Emm Bay – Peninsula Bay Syncline. At least some of the better mineralization has been found both in the mafic to intermediate metavolcanics and the mafic to ultramafic sills quite close to contacts. Whitish-altered rock that occurs within the shear zones has been variously referred to as albitization (Geoscience Report 134); however, the generally subanomalous amount of sodium in the system, as shown in the 34 element analyses, more or less precludes this assumption

## **11: MINERALIZATION**

Gold is the only mineral known to occur in potentially economic quantities within the boundaries of the property.

Pyrite, in concentrations as high as 12%, is present in disseminated and veinlet form in all of the gold-bearing shears. Iron is also associated with carbonatization as ankerite. Silicification, as quartz stringers and thin vein networks, is an ubiquitous component of the mineralized zones. Copper is notably present in the northern part of the McLennan Zone; anomalous amounts of manganese and lead, for instance, are also present.

Samples 654041 to 654066 are from the gabbro sill in the McLennan claims. There is a persistent amount of fuchsite and an accompanying increase in chromium content in and adjacent to this gold-bearing showing.

**12: EXPLORATION**

Davies and Morin (1976, p. 40) refer to a northerly striking shear zone located in the central part of claim K10026. They note that gold is reported to occur here but that "little work has been done." Inca Mining "re-discovered" the zone and carried out sampling in 1997 (see area of stripping, 1997, Figure 5 and section 8: HISTORY).

The "New" mineralized shear zone was stripped and sampled during the field programme. The shear zone has a north-south strike, is approximately vertical, and is in contact with a fresh, unaltered mafic intrusive (sill) along its eastern margin. A steep to cliff drop-off is present along the western and northern margins of the shear. The shear system is not exposed south of the road, however there is a physiographic trend that continues in that direction.

The dimensions of the "New" zone are about 120 metres in a N-S direction and up to 20 metres wide (E-W). The sheared sections contain varying amounts of pyrite and are iron carbonate-rich.

Assay results are shown in Figure 5. The samples with high values in N 618932 and N 618935 contain quartz. Further, sample N 618935 is likely associated with an east-west trending shear (Inca in 8: HISTORY also sampled this quartz-rich zone). The zone of gold mineralization that was drilled by Metalore resources Ltd (see 17: ADJACENT PROPERTIES and figure 3) trends slightly north of east (Personal communication with Mr. George Chilean, President).

During the exploration programme, the McClennan zone was traced towards the south as far as an east-west trending and steep-sided gully (Figure 2).

**13: DRILLING**

No drilling of any type was carried out during this phase of exploration.

**14: SAMPLE METHOD AND APPROACH**

Channels were prepared with a rock (tile) cutting saw. The depth of the cut varied between 2.5 and 5 cm. The samples were collected with the aid of a chisel and hammer. All of the samples were one metre in length.

**15: SAMPLE PREPARATION, ANALYSES AND SECURITY**

All samples were crushed, and a portion of each was pulverized. Gold values were ascertained by fire assay.

As the samples were collected in the field, they were transferred to a van that was kept locked. Transportation of the samples was to the ALS Chemex preparation facilities in Thunder Bay. Assays were determined in Mississauga.

**16: DATA VERIFICATION**

All of the pulps were sent to XRAL Laboratories and were re-assayed by fire assay. The table for both the Chemex and XRAL results are in Figure 5.

There was a major discrepancy with sample N 618935 with Chemex showing 1,920 parts per billion and XRAL at 14.8 grammes per tonne. Chemex re-ran the sample by first splitting the remaining material that was stored in Thunder Bay. The duplicated assays were reported as 15.07 and 15.89 grammes per tonne.

## **17: ADJACENT PROPERTIES**

21

Refer to figures 3 and 4 for the following discussions.

**The information that is presented for “Adjacent Properties” has not been verified by the author of this report. The information is not necessarily indicative of the mineralization on the subject property of Houston Lake Mining Inc. It can be fairly stated that gold mineralization in the Cedartree Lake area is commonly associated with zones containing lentic shearing and varying amounts of quartz.**

### **Metalore Resources Limited**

According to the “Metalore Resources Limited, Six Month Progress Report,” which was released on November 25, 2002 at 19:48 EST, funding for the company’s mining exploration comes from cash flow derived from natural gas operations.

Metalore Resources Limited acquired the property (area of A on properties map) from Avalon Ventures Limited, who had completed several geotechnical surveys, and proceeded directly to a drill programme during the Autumn of 2002. Seventeen drill holes were completed that were located along a shear system, which strikes slightly north of east. The following are typical results in ounces per ton from some of the holes. All of the holes contained intersections with greater than 0.100 ounces per ton of gold.

M-1 – 8.0 metres of 0.162 with visible gold.

M-2 – 6.40 metres of 0.334.

M-5 – 10.90 metres of 1.237 with visible gold.

M-7 – 10.90 metres of < 0.10.

M-10 – 4.60 metres of 0.128.

M-13 – 7.30 metres of 0.318.

M-16 – 5.72 metres of 0.518.

**The author does not know the strike length of the shear system tested by drilling.** However, the results show the potential for a significant resource, and, within the model definition, all shear system as in the Dogpaw Lake Properties are prospective.



## Dubenski Property

22

Drilling has been undertaken in recent years on the Dubenski claims. An unqualified tonnage of 253,000 grading 0.24 ounces per ton has been calculated.

## Flint Lake "Mine"

The Flint Lake "Mine," located about one half mile northeast of Flint Lake, was worked during 1901. Gold-bearing quartz veins are present in carbonatized basalt. Pyrite and chalcopyrite are reported to be associated with the gold. Although two shallow shafts and some trenches were developed on the property, there is no record of production.

## Canadian Arrow Mines Ltd.

There is evidence that the gold-bearing deposit in claim K9992 (now held by Canadian Arrow and located north of HLM's McClennan group of patented claims) was first discovered in 1901 during the initial phase of exploration in the area. Messrs. Kenty and Martin for Noranda Mines Limited rediscovered the mineralization during 1944. Noranda completed 9,300 +/- feet of core drilling in 82 holes and estimated reserves at 59,520 short tons grading 0.45 ounces per ton. A 32 hole (8,790 feet) drill core programme by Canadian Arrow Mines in 1960-1961 resulted in a resource estimate of 96,650 tons grading 0.43 ounces per ton. Nuinsco Resources drilled 7,651 feet during 1988 and estimated reserves, which could be mined by open-pit at 18,229 tons grading 0.26 ounces per ton to a depth of 150 feet. A 500 ton bulk sample was collected by Larchex Ltd in 1995-96; the sample was processed at the Noranda Horne smelter and returned 0.21 ounces per ton. **Houston Lake Mining Inc.** optioned the property in 1996, and core drilled 4,323 metres in 41 holes; there was little or no change calculated for the overall tonnage and gold grade as a result of the work. At the same time (1996) **HLM acquired an option on the Jesse (North) and the McClennan claims.**

**18: MINERAL PROCESSING AND METALLURGICAL TESTING**

The property is in the early stages of evaluation, and no mineral processing or metallurgical testing is anticipated at this time.

**19: MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES**

There is not enough information from “historical exploration” such as drilling to make any resource or reserve estimates. Gold-bearing shear systems are present on the property.

**20: OTHER RELEVANT DATA AND INFORMATION**

No other relevant information or data is known from earlier than the June, 2002 programme on the Cedartree Lake Property.

## **21: INTERPRETATION AND CONCLUSIONS**

24

Factors that have influenced the location of depositional sites for gold in the Dogpaw Lake area are structurally related to the Cameron Lake-Pipestone Lake Regional Fault, and the splay faults that have branched off from it, and volume and slippage adjustments developed during the formation of the Emm Bay-Peninsula Bay Syncline.

The Cameron Lake deposit of Nuinsco Mines contains proven, possible and probable reserves of 3,160,148 tons grading 0.169 ounces per ton in an east-west geological setting. The deposit is located about 10 kilometres east of the Houston Lake property adjacent to the Cameron-Lake-Pipestone Bay Fault.

Metalore Resources Ltd. (Figures 2 & 3) has recently drilled significant gold-bearing intersections on what may be an east-west splay from the Cameron Lake-Pipestone Bay Fault (17:ADJACENT PROPERTIES). The Dubenski (355,286 tonnes at 6.32 g/t Au and the Canadian Arrow, Dogpaw deposit at 96,650 tons at 0.43 opt have been defined, and the tonnage/grade factors are historical values that have not been corroborated according to the definitions in Instrument 43-101.

Sylvanite Gold Mines (1944-45) drilled along a 1,000 foot strike length of the McClennan zone and showed the zone to be significantly gold bearing (8: HISTORY).

Typical drill intersections returned the following gold values:

1. 0.20 ounces per ton over 1.2 feet.
2. 0.53 ounces per ton over 18 feet
3. 0.25 ounces per ton over 3.0 feet
4. 0.55 ounces per ton over 1.5 feet
5. 0.54 ounces per ton over 3.5 feet (corrected assay from figure 5, Geoscience Report 134)

The "New" gold-bearing shear zone in claim K10026, which was stripped and sampled by Houston Lake Mining Inc. during the present study, has also returned significant surface results: 45.9 grammes per tonne over 1 metre and 15.1 grammes per tonne over 1 metre from rock saw cut, channel samples.

- An uncomplicated model that is structurally related to shears, some of which are quartz bearing, and that likely contain pyrite with some chalcopyrite, has been

- interpreted from information known from the Dogpaw Lake area to date. Gold can occur in the shears with or without quartz.
- Little work has been done on the “New” shear zone. The zone, as exposed during the present programme, is well developed but was never properly studied until Inca Mines sampled it in 1997 and the 2002 sampling by Houston Lake Mining Inc. Apparently, little systematic or persistent geological and prospective work has been carried out over the Houston Lake Mines Ltd. claims since the early drilling and trenching by Sylvannite Gold Mines Ltd in 1944-45.
- The newly added West Cedartree Lake claims were staked in order to cover any southward trending extensions of known shearing and other gold occurrences as noted on Geological Map 2319.

## **22: RECOMMENDATIONS AND ESIMATED EXPENDITURES**

26

An exploration programme is recommended for the Dogpaw Lake Gold Properties of Houston Lake Mining Inc. in order to further define the existing gold-bearing structures and to identify other favourable gold targets within the claims as follows:

1. Surface exploration to consist of grid preparation, geophysical surveying, geological mapping, prospecting, stripping, trenching, rock sampling and assaying. Soil samples, to be assayed for copper, could be collected from selected areas.
2. Exploration diamond drilling to test the lateral and depth aspects of the McClennan and "New" gold-bearing trends as well as to test any other gold occurrences as warranted.

### **Phase 1 – Surface Exploration**

Line cutting – 70km @ 400/km	\$	28,000
Geophysical surveying (IP + Magnetometer)		14,000
Geological mapping – 35 days @ \$700/day		24,500
Mechanical trenching and stripping – 10 days @ \$1,000/day		10,000
Washing stripped areas – 8 days @ \$500/day		4,000
Detailed mapping and prospecting – 20 days @ \$700/day		14,000
Channel sampling – 6 days @ \$500/day		3,000
Assaying 300 samples @ \$30/sample		9,000
Drafting and reporting		6,500
Field supplies, truck, ATV, room and board		11,000
Miscellaneous and contingencies at 15 per cent		<u>26,000</u>
<b>Total phase 1</b>	<b>\$</b>	<b>200,000</b>

### **Phase 2 – Diamond Drilling**

Diamond drilling – 3000m @ \$70/metre	\$	210,000
Assaying 2000 samples @ \$31/sample		62,000
Assaying (whole rock and ICP analyses)		2,000
Field supplies, truck, ATV, room and board		20,800
Drafting and reporting		17,000
Miscellaneous and contingencies @ 15%		<u>38,200</u>
<b>Total phase 2</b>	<b>\$</b>	<b>350,000</b>
<b>TOTAL PHASE 1 AND 2</b>	<b>\$</b>	<b>550,000</b>

**23: REFERENCES**

Davies, J. C. and Morin, J. A.: Geology of the Cedartree Lake Area, District of Kenora,  
1976 Ministry of Natural Resources, Geoscience Report 134, Geological Map  
2319.

Gaudreault, D.: Houston lake Mining Inc., Evaluation Report, on the Gold Potential of the  
Oct. 30. 1997 Dogpaw Lake Property, District of Kenora; in-house report by Geological  
International.

Houston Lake Mining Inc.: News Releases since 1997.

Metalore Resources Limited.: Six Month Progress report, News Release.  
Nov. 25. 2002

Ontario Ministry of Northern Development and Mines, Web Site - continually up-dated-  
[www.mci.mndm.gov.on.ca](http://www.mci.mndm.gov.on.ca)

**24: CERTIFICATE**

I, Robert Kenneth Germundson, of 110 Hyland Drive, Sudbury, Ontario P3E 1R6, do hereby declare that I . . .

am a practising Professional Geoscientist (designation 0674) as a member of the Association of Professional Geoscientists of Ontario.

am a "qualified person" for the purposes of Instrument 43-101.

have been active in mineral exploration in Canada, The United States of America, Africa and Mongolia since 1965.

personally supervised and actively participated in the field programme of stripping and sampling in the McClennan Patented Claims, Dogpaw Lake Gold Properties for Houston lake Mining Inc., which took place between June 4 and June 19, 2002.

am responsible for the entire report that is herein affected by this certificate.

am not aware of any other information (material facts or material changes) that may make this technical report misleading.

am an independent consultant/contractor and have had no interest nor any intention of acquiring an interest in Houston Lake Mining Inc.

made a casual 1-day visit was made to the property during the summer of 2000.

fully believe that this report has been written in compliance with Instrument 43-101 and Form 43-101F1, and all aspects of the Instrument and Form have been read.

  
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Robert Kenneth Germundson

February 1, 2003

Houston Lake Mining - Dogpaw property exam			
Sample	Au (ppb*)	Width (cm)	Description
BO7653	1360		Trench, 100 m W of road. Basalt, mod. silic. weakly foliated with carbonate stringers. 2-3% fine grained pyrite along foliation.
BO7654	910		Trench #2, ≈ 100 m W of road. Basalt, moderately silic. with Fe-carbonate stringers along weak foliation. 2-3% disseminated pyrite.
BO7655	215		Trench #3, ≈ 75 m W of road. Silicified carbonate zone with angular wallrock fragments. 75% Fe-carbonate with 20% quartz stringers and ≈ 1% disseminated very fine grained pyrite.
BO7656	43.78 g/t	100	Trench #4, ≈ 30 m W of road. Basalt, moderate to strong carb alteration, silicification. 3-5% disseminated pyrite. See sample map of trench face.
BO7657	875	100	Trench #4, ≈ 30 m W of road. Basalt, strong silicification, carb alteration. 5-8% disseminated pyrite. See sample map of trench face.
BO7658	1320	120	Trench #4, ≈ 30 m W of road. Basalt, strong carb alteration, moderate silicification. 2-3% disseminated pyrite. See sample map of trench face.
BO7659	1070	160	Trench #4, ≈ 30 m W of road. Basalt, weak silicification, moderate carbonate alteration. 1-3% very fine grained disseminated pyrite. See sample map of trench face.
BO7660	21.12 g/t	100	Roadside outcrop, 400 m E of Maclean, and parallel to it. Shear zone in gabbro with ≈ 5% disseminated pyrite, strong Fe-carb alteration, moderate silicification, and q/c stringers along the foliation.
BO7661	5040	12	9+00 W, 10+60N. Q/C vein with 10% pyrite, in magnetite-bearing coarse grained gabbro.
BO7662	1080		North-east IP outcrop. Basalt breccia with q/c matrix, strongly silicified. Trends 40°. 5-10% disseminated pyrite. Mineralization in a pod-like section ≤ 1 m in a fault.
BO7663	920	100	Main pit face. Moderate to strongly Fe-carbonate altered chlorite-sericite schist with occasional veinlets and 1% disseminated pyrite. See sample map of pit face.
BO7664	90	100	Main pit face. Moderate to strongly Fe-carbonate altered chlorite-sericite schist with occasional veinlets and 1% disseminated pyrite. See sample map of pit face.
BO7665	30	20	Main pit face. Moderate to strongly foliated and silicified gabbro with 2-4% disseminated pyrite. See sample map of pit face.
BO7666	12.75 g/t	30	Main pit face. Glassy, smokey quartz vein with 30% Fe-carb. and 5% disseminated and wisp pyrite. Vein narrows upwards, to 15 cm. See sample map of pit face.
BO7667	1400	40	Main pit face. Moderate to strongly foliated and silicified gabbro with 2-4% disseminated pyrite. See sample map of pit face.
BO7668	55	100	Outcrop immediately north of the main pit, on E-W trending deformation zone. Massive to weakly foliated gabbro. Tr. to 1% disseminated pyrite. See sample map.
BO7669	<5	100	Outcrop immediately north of the main pit, on E-W trending deformation zone. Chloritic, sericitic schist, with 1-2% disseminated pyrite and minor carbonate and quartz stringers. See sample map.
BO7670	175	100	Outcrop immediately north of the main pit, on E-W trending deformation zone. Chloritic, sericitic schist, with 1-2% disseminated pyrite and ≈ 5% carbonate and quartz stringers. See sample map.
BO7671	300	100	Outcrop immediately north of the main pit, on E-W trending deformation zone. Chloritic, sericitic schist, with 1-2% disseminated pyrite and ≈ 5% carbonate and quartz stringers. See sample map.
BO7672	250	100	Outcrop immediately north of the main pit, on E-W trending deformation zone. Chloritic, sericitic schist, with 1-2% disseminated pyrite and minor carbonate and quartz stringers. See sample map.
BO7673	1860		Stripped outcrop immediately E of the main pit. Strongly silicified and carbonate altered quartz porphyry at gabbro - porphyry contact. 7-10% disseminated pyrite.
BO7674	1270		Central portion of the main pit, E wall. Quartz vein with 10% wispy pyrite, 10% carbonate, in 30° trending shear zone in gabbro with coarse grained magnetite.
BQ7675	20	75	Sample from wallrocks to BO7674. Moderate carbonate alteration, strongly foliated magnetite-bearing gabbro with 2-4% disseminated pyrite.

10 g/t / 4.5m

\* Unless otherwise noted.



Tableau de Localisation d'échantillons  
 Projet Dogpaw  
 Phase 2

No d'échantillon	Secteur	Estant	Nordant	Description	Au(ppb)
654001	McLennan	435223	5464159	V3B, silicification forte, ankérisation forte 3-5% Py fine disséminée et en amas	6515
654002	McLennan	435223	5464159	V3B, silicification modérée, ankérisation forte 2-3% Py fine disséminée et en amas	2560
654003	McLennan	435223	5464159	V3B, silicification forte, ankérisation forte 2-3% Py fine disséminée et en amas	1710
654004	McLennan	435223	5464159	V3B, silicification forte, ankérisation forte hématisation Tr., 1-2% Py fine disséminée et en amas	2748
654005	McLennan	435223	5464159	V3B, silicification extrême, ankérisation faible hématisation faible, contient VQTZ 5cm à 5% Py fine disséminée, 3-5% Py fine disséminée et en amas	2032
654006	McLennan	435223	5464159	V3B, silicification extrême, ankérisation faible hématisation faible, 3-5% Py fine disséminée et en amas	3366
654007	McLennan	435223	5464159	V3B, silicification extrême, ankérisation faible 5% Py fine disséminée et en amas, Tr. Cp.	4135
654008	McLennan	435223	5464159	V3B, silicification forte, ankérisation modérée 2-3% Py fine disséminée et en amas, Tr. Cp.	745
654009	McLennan	435223	5464159	V3B, silicification forte, ankérisation modérée 2-3% Py fine disséminée et en amas, Tr. Cp.	1444
654010	McLennan	435223	5464159	V3B, silicification forte, ankérisation modérée 2-3% Py fine disséminée et en amas, Tr. Cp.	1906
654011	McLennan	435223	5464159	V3B, silicification faible, ankérisation modérée 5-7% Py en amas	78
654012	McLennan	435223	5464159	V3B, silicification forte, ankérisation modérée 5% Py fine disséminée, en amas et veinules	2546
654013	McLennan	435223	5464159	V3B, silicification forte, ankérisation modérée 5% Py fine disséminée, en amas et veinules	5218
654014	McLennan	435223	5464159	V3B, ankérisation extrême, silicification modérée 2-3% Py fine disséminée et en amas	4625
654015	McLennan	435223	5464159	V3B, ankérisation extrême, silicification modérée 2-3% Py fine disséminée et en amas	1404
No d'échantillon	Secteur	Ligne	Station	Description	Au(ppb)
654016	Grille D.P.	L6+00W	BL 10+00N	V3B, silicification forte, ankérisation forte, séricitisation modérée, très cisailé, Tr. Py	11
654017	Grille D.P.	L6+00W	BL 10+00N	V3B, silicification forte, ankérisation forte, séricitisation modérée, très cisailé, Tr. Py	10
654018	Grille D.P.	L6+00W	BL 10+00N	V3B, silicification forte, ankérisation forte, très cisailé, contenant VQTZ de 2cm, Tr. Py	13
654019	Grille D.P.	L6+00W	BL 10+00N	V3B, ankérisation forte, silicification modérée séricitisation modérée, très cisailé, Tr. Py	<5
654020	Grille D.P.	L6+00W	BL 10+00N	V3B, ankérisation modérée, silicification faible séricitisation faible, très cisailé, Tr. Py	<5
654021	Grille D.P.	L6+00W	BL 10+00N	V3B, ankérisation modérée, silicification faible Tr.-1% Py +Cp disseminée	33
654022	Grille D.P.	L6+00W	BL 10+00N	V3B, ankérisation modérée, silicification modérée contient VQTZ 1mm+ 1% Py fine aux épontes	128
654023	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte contient VQTZ 2cm+ 2-3% Py disséminée ds veine et épontes, Tr.Cp.	982
654024	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte 2-3% Py disséminée, Tr.Cp.	2762
654025	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte 2-3% Py disséminée, Tr.Cp.	1024
654026	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte 2-3% Py disséminée, Tr.Cp.	666
654027	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation modérée 10-12% Py disséminée, en amas et veine, Tr.Fuschite	2016
654028	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation modérée 10-12% Py disséminée, en amas et veine, Tr.Fuschite	1208
654029	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation modérée	1697

654030	Grille D.P.	L9+00W	10+50N	10-12% Py disséminée, en amas et veine, Tr.Fuschite I3A à magnétite, silicification forte, ankérisation forte très cisailé, 1-2%. Py disséminée	455
654031	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte très cisailé, 5%. Py disséminée et en amas	420
654032	Grille D.P.	L9+00W	10+50N	I3A, silicification forte, ankérisation modérée très cisailé, 5%. Py disséminée et en amas, Tr. Cp.	254
654033	Grille D.P.	L9+00W	10+50N	I3A, silicification forte, ankérisation modérée très cisailé, 5%. Py disséminée et en amas, Tr. Cp.	342
654034	Grille D.P.	L9+00W	10+50N	I3A, silicification modérée, ankérisation modérée 3-5% Py disséminée et en amas	480
654035	Grille D.P.	L9+00W	10+50N	I3A, silicification modérée, ankérisation modérée 3-5% Py disséminée et en amas	329
654036	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte très cisailé, 5-7%. Py disséminée et en amas	316
654037	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte très cisailé, 5-7%. Py disséminée et en amas	5975
654038	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte très cisailé, 3-5%. Py disséminée et en amas	1853
654039	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte très cisailé, 3-5%. Py disséminée et en amas	1758
654040	Grille D.P.	L9+00W	10+50N	I3A à magnétite, silicification forte, ankérisation forte Tr.-1% Py disséminée, Tr. Po	76

No d'échantillon	Secteur	Estant	Nordant	Description	Au(ppb)
654041	Tranchée B	435560	54644073	I3A à magnétite, ankérisation modérée, silicification faible Tr. Py, Tr. Fuschite	10
654042	Tranchée B	435560	54644073	I3A à magnétite, ankérisation modérée, silicification faible Tr.-1% Py, Tr. Fuschite	18
654043	Tranchée B	435560	54644073	I3A à magnétite, ankérisation modérée, silicification modérée, 1-2% Py disséminée, Tr. Fuschite	35
654044	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation forte Tr. Py, 5% Fuschite	36
654045	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation forte Tr. Py, 2-3% Fuschite	17
654046	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation forte Tr. Py, Tr. Fuschite	183
654047	Tranchée B	435560	54644073	I3A à magnétite, ankérisation modérée, silicification, faible 2-3% Py disséminée, Tr. Fuschite	35
654048	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée hématisation faible, Tr-1%. Py, 5% Fuschite	19
654049	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée 3-5% Py disséminée, 3-5% Fuschite	11
654050	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée 2-3% Py disséminée, 1-2% Fuschite	50
654051	Tranchée B	435560	54644073	I3A à magnétite, ankérisation modérée, silicification faible, Tr. Py, 5-7% Fuschite	514
654052	Tranchée B	435560	54644073	I3A à magnétite, ankérisation modérée, silicification modérée, 2-3% Py disséminée, 15% Fuschite	638
654053	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée très cisailé Tr.-1%. Py, 5% Fuschite	74621
654054	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée très cisailé Tr.-1%. Py, 5% Fuschite	40863
654055	Tranchée B	435560	54644073	I3A à magnétite, ankérisation modérée, silicification faible, très cisailé Tr. Py, 5% Fuschite	29840
654056	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée Tr. Py, 2-3% Fuschite	41554
654057	Tranchée B	435560	54644073	VQTZ 5cm aux épontes de I3A, Tr. Py, Tr. Fuschite	36942
654058	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée Tr. Py, 2-3% Fuschite	104
654059	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée Tr. Py, Tr.-1% Fuschite	103
654060	Tranchée B	435560	54644073	VQTZ 5cm aux épontes de I3A, silicification forte, ankérisation modérée, hématisation faible Tr. Py	33
654061	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée hématisation faible Tr. Py	47

654062	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation modérée hématisation faible Tr.Py	74
654063	Tranchée B	435560	54644073	I3A à magnétite, silicification extrême, ankérisation modérée, Tr. Py	12
654064	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation forte hématisation faible, 2-3%Py disséminée, Tr.Fuschite	10
654065	Tranchée B	435560	54644073	I3A à magnétite, silicification forte, ankérisation forte hématisation faible, 1-2%Py disséminée, 1-2%Fuschite	5
654066	Tranchée B	435560	54644073	I3A à magnétite, ankérisation faible, silicification faible, Tr. Py, 15% Fuschite	<5



Intertek Testing Services  
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*Inca's original  
original. still is HSY*

Rapport Lab Geochimie  
Geochemical Lab Report

INCA MINING CORP.  
GILLES LANTHIER  
1351-E, KELLY LAKE RD.  
UNIT 4  
SUDBURY, ONT. P3E 5P5

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# Intertek Testing Services

## Chimitec Bondar Clegg

# Rapport Lab Geochimie

## Geochemical Lab Report

CLIENT: INCA MINING CORP.  
 REPORT: T97-57825.0 ( COMPLETE )

PROJECT: D.PAW  
 DATE RECEIVED: 28-OCT-97 DATE PRINTED: 10-NOV-97 PAGE 1 OF 6

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	AuGrav G/T	AuRew G/T	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
654001	6515				1.9	90	7	26	9	21	33	0.4	<5	652	<5	7.02	874	<10	19	87	17	<20	<20	4	0.22	0.16	0.90	0.05	0.06	10	2	<2	<1	<1	5	<10	<.01	5
654002	2560				0.7	124	6	68	2	21	19	0.6	<5	209	<5	7.37	1293	<10	25	49	71	<20	<20	3	1.14	1.96	4.97	0.03	0.11	70	4	6	6	<1	9	<10	0.02	4
654003	1710				0.9	72	5	56	2	30	30	0.4	5	242	<5	7.85	1048	<10	25	83	66	<20	<20	7	0.99	0.92	0.81	0.05	0.08	19	3	3	5	<1	10	<10	0.03	6
654004	2748				1.0	436	5	58	1	26	40	<0.2	6	136	<5	7.77	761	<10	24	69	77	<20	<20	5	1.29	1.81	3.01	0.04	0.12	56	3	6	7	<1	7	<10	0.03	4
654005	2032				0.7	222	6	40	5	20	28	0.3	<5	210	<5	6.62	831	<10	18	68	43	<20	<20	<1	0.59	1.74	3.80	0.03	0.08	66	3	<2	3	<1	7	<10	0.01	3
654006	3366				1.1	212	5	40	6	25	36	0.3	5	508	<5	7.92	800	<10	19	60	38	<20	<20	<1	0.61	1.77	3.70	0.03	0.10	63	3	<2	3	<1	7	<10	<.01	3
654007	4135				1.1	195	6	41	3	21	29	<0.2	<5	252	<5	6.99	715	<10	17	72	48	<20	<20	<1	0.77	1.67	3.10	0.04	0.08	56	2	<2	3	<1	7	<10	0.03	4
654008	745				0.4	221	8	74	<1	20	18	<0.2	<5	67	<5	6.58	834	<10	17	63	88	<20	<20	3	1.46	1.91	3.48	0.04	0.08	64	3	5	6	<1	10	<10	0.04	3
654009	1444				0.6	198	13	48	4	21	28	<0.2	<5	122	<5	6.48	740	<10	14	69	40	<20	<20	<1	0.64	1.67	3.37	0.04	0.07	61	2	2	3	<1	7	<10	0.02	3
654010	1906				0.9	225	38	88	3	26	24	0.6	<5	183	<5	7.20	1187	<10	11	48	77	<20	<20	<1	0.86	2.10	4.93	0.04	0.05	99	3	4	4	<1	10	<10	0.03	3
654011	78				1.5	582	5	121	2	30	42	0.8	8	80	<5	8.23	1025	<10	17	55	122	<20	<20	7	1.79	2.11	2.61	0.04	0.08	51	4	8	7	<1	11	<10	0.05	3
654012	2546				1.1	189	36	144	5	22	29	2.5	<5	322	<5	7.08	1008	<10	10	65	39	<20	<20	2	0.30	1.84	3.67	0.05	0.05	81	2	2	2	<1	10	<10	<.01	3
654013	5218				1.6	125	343	486	3	23	24	10.3	6	386	<5	7.70	1134	<10	11	44	49	<20	<20	4	0.53	1.93	4.18	0.05	0.05	87	3	4	4	<1	11	<10	<.01	5
654014	4625				0.9	80	58	154	4	19	18	3.9	<5	481	<5	5.37	820	<10	7	119	20	<20	<20	<1	0.33	0.77	1.80	0.06	0.01	28	2	<2	3	<1	7	<10	<.01	3
654015	1404				0.9	324	114	165	2	22	25	1.6	7	76	<5	8.71	1116	<10	6	75	153	<20	<20	9	2.74	2.29	1.35	0.03	<.01	15	4	6	12	<1	20	<10	0.05	3
654016	11				<0.2	3	2	7	<1	15	6	<0.2	<5	<5	<5	1.60	423	<10	25	85	8	<20	<20	4	0.77	0.57	2.07	0.11	0.12	46	2	<2	3	1	<5	<10	<.01	5
654017	10				<0.2	2	<2	8	<1	15	6	<0.2	<5	<5	<5	1.70	437	<10	23	71	8	<20	<20	4	0.79	0.79	2.46	0.10	0.11	49	2	<2	3	1	<5	<10	<.01	5
654018	13				<0.2	3	<2	17	1	30	14	<0.2	6	<5	<5	5.00	1415	<10	9	33	11	<20	<20	5	0.57	4.56	>10.00	0.04	0.03	109	5	<2	5	4	<5	<10	<.01	<1
654019	<5				<0.2	4	2	6	<1	14	5	<0.2	<5	<5	<5	1.60	417	<10	25	73	7	<20	<20	6	0.80	0.58	1.85	0.12	0.12	47	2	<2	3	1	<5	<10	<.01	7
654020	<5				<0.2	3	<2	10	1	15	6	<0.2	<5	<5	<5	1.12	240	<10	31	93	8	<20	<20	7	0.89	0.32	0.56	0.12	0.13	40	2	3	3	<1	<5	<10	<.01	6
654021	33				0.3	20	3	29	<1	96	38	<0.2	7	39	<5	>10.00	1260	17	13	31	61	<20	<20	32	2.35	2.47	5.93	<.01	<.01	154	2	12	7	<1	5	<10	<.01	5
654022	128				0.5	39	4	33	<1	227	123	<0.2	7	58	<5	>10.00	1455	14	6	38	65	<20	<20	26	2.52	2.39	5.78	<.01	<.01	133	3	14	10	<1	6	<10	<.01	5
654023	982				0.3	17	8	30	19	3	25	0.2	<5	315	<5	6.31	1037	<10	22	77	37	<20	<20	3	0.40	0.27	1.54	0.07	0.05	22	4	<2	2	<1	10	<10	0.02	7
654024	2762				0.4	10	7	30	4	5	29	<0.2	6	261	<5	7.53	1333	<10	18	47	32	<20	<20	2	0.27	0.96	3.76	0.07	0.05	60	3	<2	1	<1	13	<10	0.03	6
654025	1024				0.3	18	6	32	13	6	24	0.3	8	219	<5	7.71	1639	<10	9	80	20	<20	<20	4	0.25	0.05	0.16	0.06	0.02	6	2	<2	<1	<1	10	<10	<.01	2
654026	666				0.2	19	4	34	6	5	21	<0.2	8	186	<5	7.15	1697	<10	10	98	22	<20	<20	4	0.19	0.11	0.66	0.06	0.01	12	2	<2	<1	<1	11	<10	<.01	3
654027	2016				0.6	27	7	26	2	25	<0.2	<5	321	<5	6.64	1128	<10	11	75	36	<20	<20	<1	0.38	0.95	2.72	0.06	0.06	48	2	<2	2	<1	9	<10	0.03	4	
654028	1209				0.7	12	13	23	57	3	26	<0.2	6	356	<5	6.89	1039	<10	6	84	12	<20	<20	2	0.13	0.54	1.92	0.06	0.03	30	2	<2	<1	<1	7	<10	<.01	4
654029	1697				1.1	18	18	41	266	5	29	0.3	9	415	<5	7.32	836	<10	8	90	13	<20	<20	2	0.17	0.54	1.81	0.05	0.06	29	2	<2	<1	<1	7	<10	<.01	5
654030	455				0.2	18	9	134	29	5	30	0.7	<5	157	6	7.81	1398	<10	50	62	19	<20	<20	11	0.76	0.18	0.48	0.03	0.24	8	6	3	3	1	8	<10	0.04	9

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DGG-PAW



# Intertek Testing Services Chimitec Bondar Clegg

## Rapport Lab Geochimie Geochemical Lab Report

CLIENT: INCA MINING CORP.  
REPORT: T97-57825.0 ( COMPLETE )

PROJECT: D.PAW  
DATE RECEIVED: 28-OCT-97 DATE PRINTED: 10-NOV-97 PAGE 2 OF 6

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	AuGrav G/T	AuRew G/T	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
654031		420			0.8	39	10	11	5	3	10	<0.2	6	253	<5	>10.00	183	11	40	73	14	<20	<20	9	0.45	0.02	0.31	0.02	0.29	31	1	<2	<1	<1	5	<10	0.03	15
654032		254			0.9	33	8	21	10	1	29	0.5	5	61	<5	8.78	1006	11	16	51	21	<20	<20	5	0.35	1.02	2.67	0.02	0.22	39	3	<2	1	<1	5	<10	<.01	12
654033		342			1.0	32	9	17	18	2	23	<0.2	7	52	<5	8.99	665	11	13	83	22	<20	<20	6	0.31	0.53	1.52	0.03	0.20	32	2	<2	<1	<1	5	<10	<.01	10
654034		480			0.2	10	10	69	2	3	28	0.3	<5	149	<5	7.77	1454	<10	17	42	94	<20	<20	4	0.53	1.09	3.21	0.05	0.06	50	3	3	2	<1	13	<10	0.06	6
654035		329			0.2	6	8	58	2	2	23	0.2	<5	94	<5	6.78	1448	<10	11	47	68	<20	<20	<1	0.32	1.56	5.16	0.05	0.06	74	3	2	2	<1	12	<10	0.06	6
654036		316			0.5	5	4	12	3	3	8	<0.2	<5	57	<5	4.10	180	<10	5	118	7	<20	<20	5	0.21	<.01	0.13	0.07	0.02	6	3	<2	<1	<1	<5	<10	0.01	28
654037		5975			1.0	15	25	28	4	2	28	<0.2	6	486	<5	7.36	1015	<10	15	52	39	<20	<20	2	0.57	1.01	3.06	0.04	0.09	57	3	2	2	<1	11	<10	0.03	8
654038		1853			0.6	11	60	35	4	1	26	0.3	<5	397	<5	6.17	935	<10	12	75	17	<20	<20	<1	0.20	1.05	3.44	0.04	0.10	61	3	<2	<1	<1	7	<10	<.01	7
654039		1758			0.3	5	28	20	2	2	16	<0.2	<5	193	<5	4.62	993	<10	21	57	36	<20	<20	<1	0.64	1.27	5.20	0.04	0.15	89	4	<2	4	<1	10	<10	0.03	9
654040		76			<0.2	4	25	37	2	3	18	0.2	<5	34	<5	4.80	1105	<10	25	57	13	<20	<20	<1	0.34	1.26	5.05	0.04	0.17	89	4	2	1	<1	7	<10	0.05	8
654041		10			<0.2	24	<2	34	<1	280	60	<0.2	<5	<5	<5	6.43	1016	<10	12	896	76	<20	<20	5	2.70	4.19	2.08	<.01	0.02	24	1	5	10	<1	16	<10	<.01	<1
654042		18			<0.2	47	4	26	1	354	62	<0.2	6	<5	<5	6.26	1149	<10	12	660	52	<20	<20	4	1.25	3.81	2.88	0.03	0.03	42	2	4	16	<1	11	<10	<.01	<1
654043		35			<0.2	48	5	26	1	278	53	0.2	<5	20	<5	5.91	1783	<10	13	622	49	<20	<20	1	1.25	3.79	4.41	0.03	0.02	41	2	5	14	<1	10	<10	<.01	1
654044		36			<0.2	51	3	59	2	350	69	<0.2	<5	16	<5	6.68	1460	<10	10	647	46	<20	<20	4	1.15	4.05	2.76	0.02	0.03	29	1	3	13	<1	11	<10	<.01	<1
654045		17			<0.2	20	4	21	1	372	68	<0.2	<5	<5	<5	6.92	1241	<10	10	526	45	<20	<20	4	0.80	4.13	2.42	0.01	<.01	24	1	2	4	<1	10	<10	<.01	<1
654046		183			<0.2	104	7	14	1	288	60	<0.2	<5	27	<5	6.21	1094	<10	6	410	40	<20	<20	5	0.66	4.28	2.52	0.02	<.01	60	1	<2	4	<1	10	<10	<.01	<1
654047		35			<0.2	25	4	35	2	435	79	<0.2	<5	64	<5	7.35	1228	<10	32	698	60	<20	<20	7	1.96	4.42	1.50	<.01	<.01	29	1	4	8	<1	11	<10	<.01	<1
654048		19			<0.2	27	4	16	1	236	50	<0.2	<5	<5	<5	5.55	1539	<10	88	354	33	<20	<20	1	0.64	4.07	3.34	0.01	<.01	62	1	3	3	<1	8	<10	<.01	<1
654049		11			<0.2	19	4	16	1	356	72	<0.2	6	20	<5	7.38	1233	<10	11	463	43	<20	<20	7	0.77	4.49	1.16	0.02	<.01	29	1	<2	4	<1	12	<10	<.01	<1
654050		50			<0.2	29	<2	29	<1	396	74	<0.2	<5	28	<5	7.04	1119	<10	25	720	62	<20	<20	7	2.04	4.18	1.33	<.01	<.01	29	1	5	6	<1	12	<10	<.01	<1
654051		514			0.3	35	11	20	1	336	70	<0.2	6	35	<5	6.67	1051	<10	9	484	44	<20	<20	5	0.69	4.12	1.87	0.02	<.01	48	1	<2	3	<1	11	<10	<.01	<1
654052		638			0.3	35	10	19	1	355	75	<0.2	<5	35	<5	6.65	975	<10	8	513	45	<20	<20	5	0.74	4.32	1.90	0.02	<.01	47	1	<2	3	<1	12	<10	<.01	<1
654053		72957	74.47	76.46	85.1	203	105	28	2	150	25	0.3	<5	22	5	3.92	1040	54	5	415	35	<20	<20	<1	0.65	3.21	3.08	0.02	<.01	71	1	2	3	<1	8	<10	<.01	<1
654054		43281	40.35	39.09	50.2	147	86	30	1	148	26	<0.2	6	24	<5	4.15	1091	30	5	385	34	<20	<20	<1	0.69	3.54	3.57	0.02	0.01	84	1	3	3	<1	9	<10	<.01	<1
654055		31134	31.92	26.57	15.2	21	28	27	2	133	41	<0.2	<5	24	<5	3.77	809	12	11	360	30	<20	<20	<1	0.49	2.80	1.72	0.02	<.01	44	<1	<2	2	<1	6	<10	<.01	2
654056		45461	39.19	40.01	20.7	65	33	14	1	51	11	<0.2	<5	22	7	1.39	375	10	7	261	13	<20	<20	<1	0.10	1.64	0.89	<.01	<.01	12	<1	<2	<1	<1	<5	<10	<.01	<1
654057		40810	42.45	27.63	21.9	75	24	16	2	51	9	<0.2	<5	28	9	1.55	427	<10	6	256	11	<20	<20	<1	0.07	1.69	0.63	<.01	<.01	10	<1	<2	<1	<1	<5	<10	<.01	<1
654058		104			0.2	43	8	49	2	233	55	<0.2	<5	<5	<5	6.12	1206	<10	26	300	55	<20	<20	4	0.45	3.52	3.42	0.07	0.04	46	3	<2	3	<1	12	<10	<.01	4
654059		103			<0.2	70	6	59	1	30	20	<0.2	<5	<5	<5	4.72	858	<10	37	24	61	<20	<20	12	0.58	3.03	2.03	0.14	0.06	58	5	<2	2	<1	5	<10	<.01	3
654060		33			<0.2	17	10	65	2	47	24	0.5	<5	6	<5	4.77	878	<10	59	35	55	<20	<20	6	0.53	2.92	3.28	0.14	0.06	79	5	<2	2	<1	6	<10	<.01	4

DGS PAW

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Rapport Lab Geochimie  
Geochemical Lab Report

PROJECT: D.PAW

CLIENT: INCA MINING CORP.  
REPORT: T97-57825.0 ( COMPLETE )

DATE RECEIVED: 28-OCT-97 DATE PRINTED: 10-NOV-97 PAGE 3 OF 6

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	AuGrav G/T	AuRew G/T	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
654061		47			<0.2	26	7	18	1	294	54	<0.2	<5	10	<5	6.21	1193	<10	12	490	39	<20	<20	4	0.53	3.89	2.99	0.07	0.03	80	2	<2	4	<1	11	<10	<.01	1
654062		74			<0.2	139	8	32	<1	72	26	<0.2	<5	5	<5	4.28	953	<10	17	83	38	<20	<20	2	0.44	3.02	4.35	0.11	0.05	141	5	<2	1	<1	7	<10	<.01	4
654063		12			<0.2	43	4	20	2	301	60	<0.2	<5	15	<5	6.16	837	<10	21	710	45	<20	<20	5	1.27	4.28	2.00	0.04	0.03	43	1	2	14	<1	12	<10	<.01	<1
654064		10			<0.2	38	6	34	16	205	49	<0.2	<5	<5	<5	5.64	1020	<10	11	465	51	<20	<20	3	1.10	3.69	3.57	0.06	0.02	97	2	2	8	<1	11	<10	<.01	7
654065		5			<0.2	29	3	21	2	315	65	<0.2	5	<5	<5	6.73	1215	<10	37	541	43	<20	<20	5	0.87	3.81	1.80	0.03	0.05	31	1	<2	10	<1	11	<10	<.01	<1
654066		<5			<0.2	10	6	35	1	255	50	<0.2	7	<5	<5	5.87	1138	<10	19	346	42	<20	<20	2	0.44	4.01	3.28	0.05	0.04	39	2	<2	4	<1	10	<10	<.01	<1

RELEMAN

*ms*



# Intertek Testing Services

## Chimitec Bondar Clegg

# Rapport Lab Geochimie

## Geochemical Lab Report

CLIENT: INCA MINING CORP.  
 REPORT: T97-57825.0 ( COMPLETE )

PROJECT: D.PAW  
 DATE RECEIVED: 28-OCT-97 DATE PRINTED: 10-NOV-97 PAGE 4 OF 6

STANDARD NAME	ELEMENT UNITS	Au30 PPB	AuGrav G/T	AuRew G/T	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM			
ANALYTICAL BLANK		<5	-	-	<0.2	<1	<2	<1	<1	<1	<1	<0.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
ANALYTICAL BLANK		<5	-	-	<0.2	<1	<2	2	<1	<1	<1	<0.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ANALYTICAL BLANK		<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		3	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		3	-	-	0.1	0.5	1	1	0.5	0.5	0.5	0.1	3	3	3	0.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	.005	0.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5			
Standard Deviation		-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value		5	0.005	0.005	0.2	1	2	1	1	1	1	1.0	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<0.1	<0.1	<.0001	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01		
Gannet Standard	2261	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mean Value	2261	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value	2450	2.45	2.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BCC GEOCHEM STD 5	-	-	-	0.7	89	8	69	1	32	15	<0.2	<5	7	<5	4.05	699	<10	170	47	106	<20	<20	7	2.87	1.90	0.95	0.05	0.28	34	6	8	22	<1	8	<10	0.19	11				
Number of Analyses	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mean Value	-	-	-	0.7	89	8	69	1	32	15	0.1	3	7	3	4.05	699	5	170	47	106	10	10	7	2.87	1.90	0.95	0.05	0.28	34	6	8	22	0.5	8	5	0.19	11				
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Accepted Value	-	-	-	0.7	90	11	80	2	40	18	0.1	1	8	1	4.74	720	0.2	200	54	133	4	1	5	3.09	1.83	1.08	0.06	0.32	39	9	-	-	1	18	1	-	9				
Gannet Standard	989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mean Value	989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value	1050	1.05	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Gannet Standard	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Number of Analyses	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mean Value	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Accepted Value	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			





# Intertek Testing Services

## Chimitec Bondar Clegg

# Rapport Lab Geochimie

## Geochemical Lab Report

CLIENT: INCA MINING CORP.  
 REPORT: T97-57825.0 ( COMPLETE )

PROJECT: D.PAW  
 DATE RECEIVED: 28-OCT-97 DATE PRINTED: 10-NOV-97 PAGE 5 OF 6

STANDARD NAME	ELEMENT UNITS	Au30 PPB	AuGrav G/T	AuRew G/T	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	
BCC GEOCHEM STD 4		-	-	-	1.1	256	32	237	3	42	9	0.7	<5	24	<5	2.52	579	<10	54	113	8	<20	<20	3	0.76	1.54	1.37	0.05	0.14	36	3	3	5	<1	<5	<10	<.01	9	
Number of Analyses		-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	1.1	256	32	237	3	42	9	0.7	3	24	3	2.52	579	5	54	113	8	10	10	3	0.76	1.54	1.37	0.05	0.14	36	3	3	5	0.5	3	5	.005	9	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	-	-	0.5	290	33	255	4	42	9	0.8	1	30	1	2.60	600	0.1	55	80	9	1	1	4	0.77	1.34	1.43	0.04	0.14	39	4	2	7	1	12	1	0.01	8	
Garnet Standard		-	13.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		-	13.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	13.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CERT. AU STANDARD		-	-	16.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		-	-	16.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		-	17.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Garnet Standard		1556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mean Value		1556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Accepted Value		1585	1.58	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		



**Intertek Testing Services**  
Chimitec Bondar Clegg

**Rapport Lab Geochimie**  
**Geochemical Lab Report**

CLIENT: INCA MINING CORP.  
REPORT: 197-57825.0 ( COMPLETE )

PROJECT: D.PAW  
DATE RECEIVED: 28-OCT-97 DATE PRINTED: 10-NOV-97 PAGE 6 OF 6

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	AuGrav G/T	AuRew G/T	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
654006	3366				1.1	212	5	40	6	25	36	0.3	5	508	<5	7.92	800	<10	19	60	38	<20	<20	<1	0.61	1.77	3.70	0.03	0.10	63	3	<2	3	<1	7	<10	<.01	3
Duplicate	3848				1.4	215	7	42	6	24	38	<0.2	8	525	<5	8.15	820	<10	19	60	38	<20	<20	<1	0.62	1.81	3.80	0.03	0.10	63	3	2	3	<1	7	<10	<.01	3
654015	1404				0.9	324	114	165	2	22	25	1.6	7	76	<5	8.71	1116	<10	6	75	153	<20	<20	9	2.74	2.29	1.35	0.03	<.01	15	4	6	12	<1	20	<10	0.05	3
Prep Duplicate	1528				1.1	304	118	162	2	24	26	1.6	<5	69	<5	8.94	1139	<10	6	72	150	<20	<20	8	2.64	2.32	1.42	0.02	<.01	15	4	5	12	1	20	<10	0.05	3
654023	982				0.3	17	8	30	19	3	25	0.2	<5	315	<5	6.31	1037	<10	22	77	37	<20	<20	3	0.40	0.27	1.54	0.07	0.05	22	4	<2	2	<1	10	<10	0.02	7
Duplicate					0.3	16	7	28	18	4	25	0.3	<5	300	<5	6.22	1006	<10	21	73	35	<20	<20	2	0.38	0.26	1.51	0.07	0.05	21	3	<2	2	<1	9	<10	0.02	6
654028	1209				0.7	12	13	23	57	3	26	<0.2	6	356	<5	6.89	1039	<10	6	84	12	<20	<20	2	0.13	0.54	1.92	0.06	0.03	30	2	<2	<1	<1	7	<10	<.01	4
Duplicate	1092																																					
654042	18				<0.2	47	4	26	1	354	62	<0.2	6	<5	<5	6.26	1149	<10	12	660	52	<20	<20	4	1.25	3.81	2.88	0.03	0.03	42	2	4	16	<1	11	<10	<.01	<1
Duplicate					<0.2	48	3	27	1	357	63	<0.2	<5	6	<5	6.28	1156	<10	12	666	52	<20	<20	5	1.26	3.96	2.88	0.03	0.03	42	2	3	17	<1	11	<10	<.01	<1
654049	11				<0.2	19	4	16	1	356	72	<0.2	6	20	<5	7.38	1233	<10	11	463	43	<20	<20	7	0.77	4.49	1.16	0.02	<.01	29	1	<2	4	<1	12	<10	<.01	<1
Duplicate	13																																					
654059	103				<0.2	70	6	59	1	30	20	<0.2	<5	<5	<5	4.72	858	<10	37	24	61	<20	<20	12	0.58	3.03	2.03	0.14	0.06	58	5	<2	2	<1	5	<10	<.01	3
Duplicate					<0.2	72	7	62	1	29	20	<0.2	<5	<5	<5	4.77	868	<10	38	25	63	<20	<20	12	0.60	3.02	2.06	0.15	0.07	60	5	<2	2	<1	5	<10	<.01	4
654060	33				<0.2	17	10	65	2	47	24	0.5	<5	6	<5	4.77	878	<10	59	35	55	<20	<20	6	0.53	2.92	3.28	0.14	0.06	79	5	<2	2	<1	6	<10	<.01	4
Prep Duplicate	11				<0.2	17	10	66	1	47	24	0.6	5	5	<5	4.71	864	<10	52	30	55	<20	<20	6	0.53	2.88	3.25	0.14	0.06	78	5	<2	2	<1	6	<10	<.01	4



# ALS Chemex

Anova Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 6175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-824-2100 FAX: 905-824-8163

To: HOUSTON LAKE MINING INC.

2802 WHITE ST,  
 VAL CARON, ON  
 P3N 1H2

Project: McLENNAN  
 Comments: ATTN: GRAYME ANTHONY

Page Number : 1  
 Total Pages : 1  
 Certificate Date: 10-JUN-2002  
 Invoice No. : 10218352  
 P.O. Number :  
 Account : 0111

## CERTIFICATE OF ANALYSIS A0218352

SAMPLE	PREP CODE	Weight Kg	Au ppb FA+AA	Au FA g/t									
618921	266 277	5.80	20	-----									
618922	266 277	4.20	40	-----									
618923	266 277	4.40	90	-----									
618924	266 277	5.50	15	-----									
618925	266 277	4.90	45	-----									
618926	266 277	4.10	230	-----									
618927	266 277	4.90	285	-----									
618928	266 277	5.40	2200	-----									
618929	266 277	5.10	1095	-----									
618930	266 277	5.30	15	-----									
618931	266 277	3.90	15	-----									
618932	266 277	5.40	>10000	47.1									
618933	266 277	4.20	160	-----									
618934	266 277	5.70	20	-----									
618935	266 277	2.90	1920	-----									
618936	266 277	6.70	685	-----									
618937	266 277	6.90	35	-----									
618938	266 277	4.80	20	-----									
618939	266 277	6.20	135	-----									
618940	266 277	6.00	10	-----									
618941	266 277	5.20	10	-----									
618942	266 277	5.10	35	-----									
618943	266 277	5.60	< 5	-----									
618944	266 277	5.90	< 5	-----									
618945	266 277	5.10	< 5	-----									
618946	266 277	5.10	10	-----									
618947	266 277	6.40	30	-----									
618948	266 277	5.80	< 5	-----									
618949	266 277	4.40	10	-----									
618950	266 277	6.50	5	-----									

CERTIFICATION

*Laurence G.*

01/21/2003 13:23 7858377812 HOUSTON LAKE PAGE 01



**XRAL Laboratories**  
A Division of SGS Canada Inc.

Work Order: 068611

Date: 12/07/02

**PRELIMINARY**

Page 1 of 2

Element, Method, Det.Lim, Units.	Au FA301 1 ppb
618921	22
618922	68
618923	90
618924	18
618925	41
618926	175
618927	235
618928	2130
618929	710
618930	24
618931	11
618932	> 10000
618933	123
618934	42
618935	> 10000
618936	659
618937	71
618938	31
618939	144
618940	28
618941	24
618942	74
618943	18
618944	10
618945	13
618946	17
*Blk BLANK	2
*Std OXE20	568
618947	36
618948	7
618949	18
618950	9
*Dup 618921	25
*Dup 618933	123
*Dup 618945	16
*Blk BLANK	< 1
*Std OXE20	568

JUL-12-2002 FRI 11:42 AM XRAL LABS

FAX NO. 4164454152

P. 03



**XRAL Laboratories**  
A Division of SGS Canada Inc.

Work Order: 065611

Date: 12/07/02

**PRELIMINARY**

Page 2 of 2

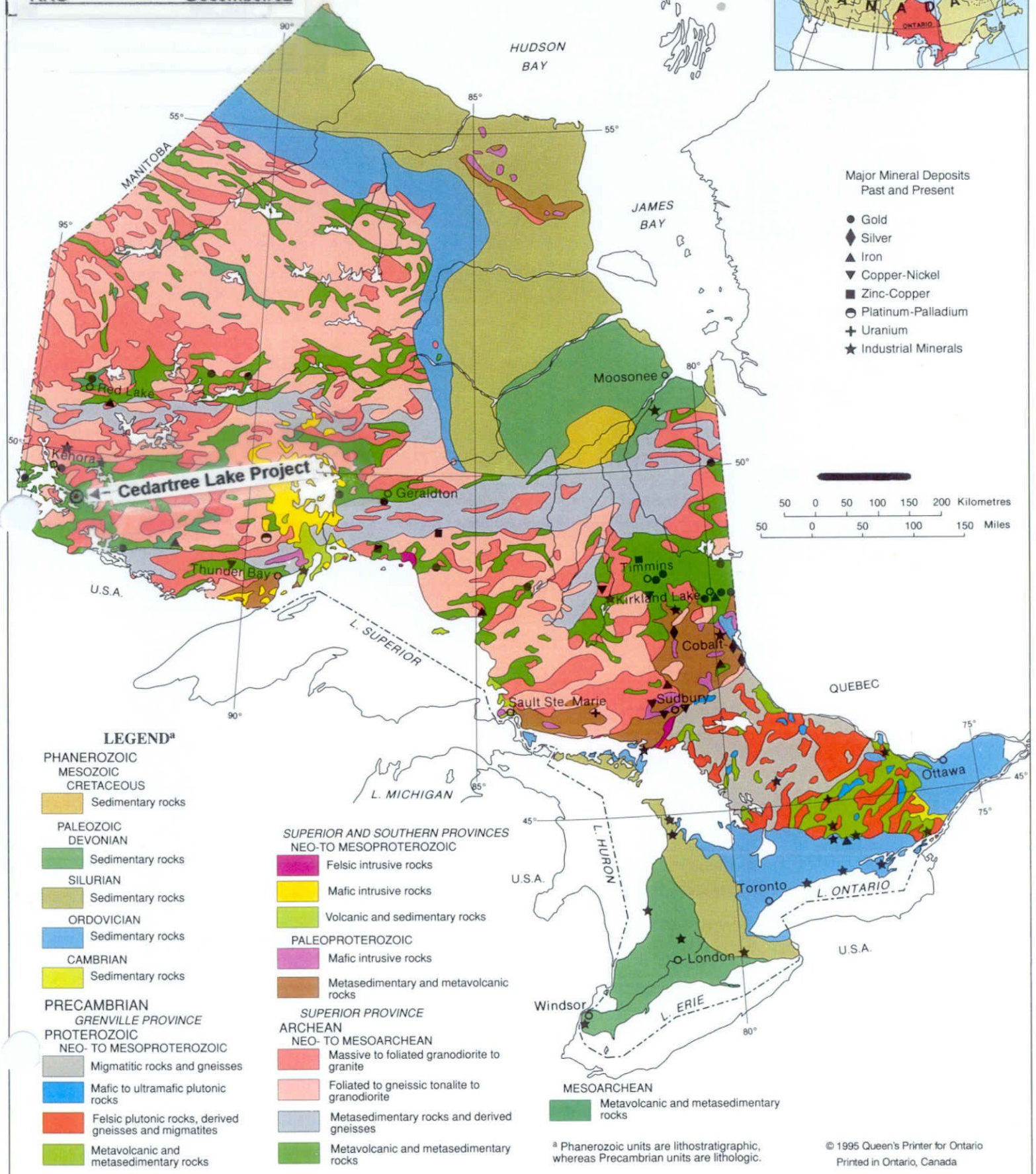
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618927	n.a.
618928	n.a.
618929	n.a.
618930	n.a.
618931	n.a.
618932	44.7
618933	n.a.
618934	n.a.
618935	14.5
618936	n.a.
618937	n.a.
618938	n.a.
618939	n.a.
618940	n.a.
618941	n.a.
618942	n.a.
618943	n.a.
618944	n.a.
618945	n.a.
618946	n.a.
618947	n.a.
618948	n.a.
618949	n.a.
618950	n.a.
*Dup 618921	n.a.
*Dup 618933	n.a.
*Dup 618945	n.a.

Figure 1

Houston Lake Mining Inc.  
Cedartree Lake Project  
Kenora Mining Division  
Ontario NTS 52F/5  
Location: Ontario Geological Map  
RKG December/02

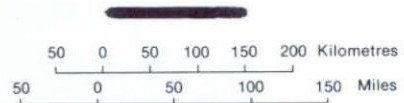
# GEOLOGY AND PRINCIPAL MINERALS OF ONTARIO

2



### Major Mineral Deposits Past and Present

- Gold
- ◆ Silver
- ▲ Iron
- ▼ Copper-Nickel
- Zinc-Copper
- Platinum-Palladium
- + Uranium
- ★ Industrial Minerals



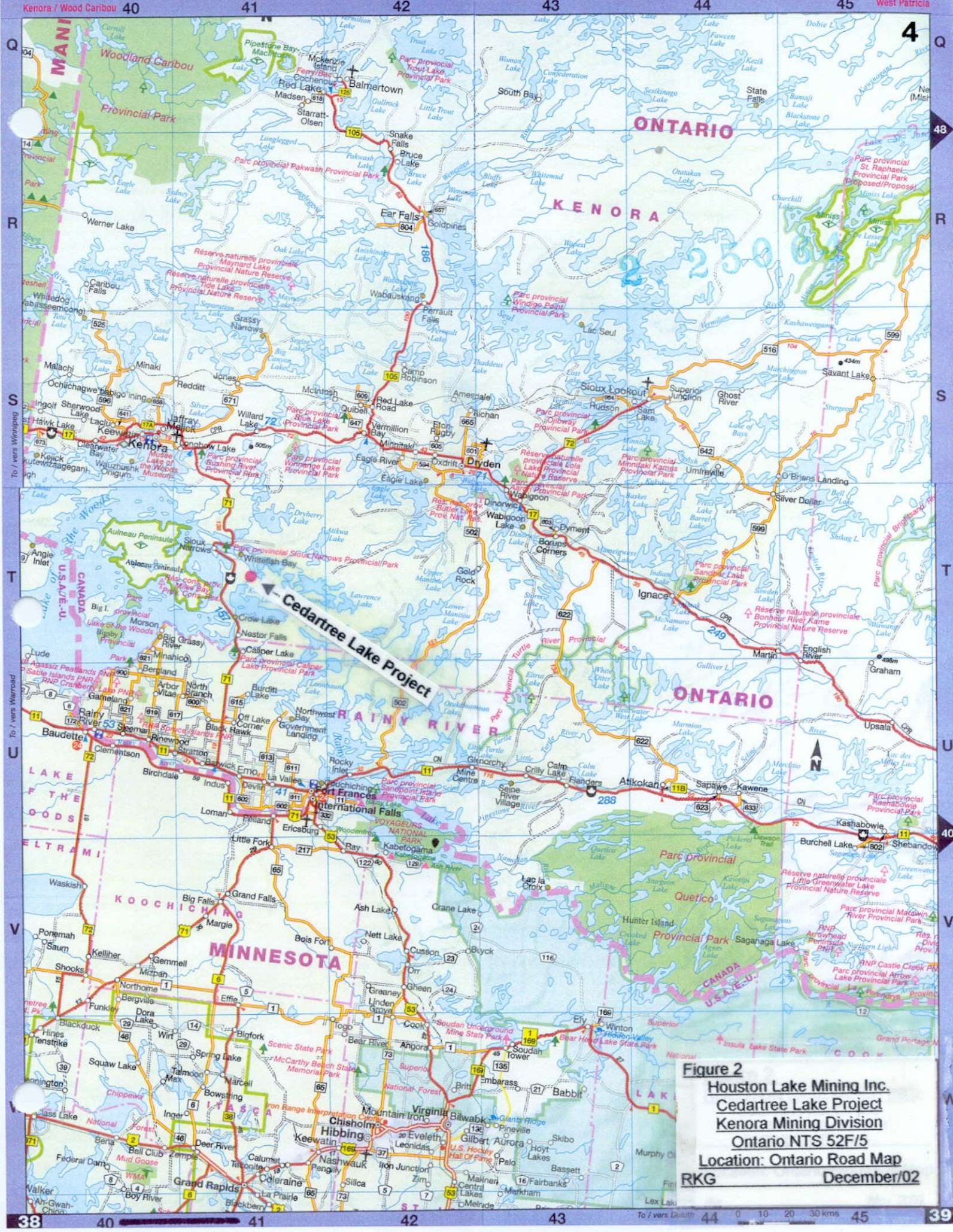
### LEGEND<sup>a</sup>

- PHANEROZOIC**
- MESOZOIC**
- CRETACEOUS**
- Sedimentary rocks
- PALEOZOIC**
- DEVONIAN**
- Sedimentary rocks
- SILURIAN**
- Sedimentary rocks
- ORDOVICIAN**
- Sedimentary rocks
- CAMBRIAN**
- Sedimentary rocks
- PRECAMBRIAN**
- GRENVILLE PROVINCE**
- PROTEROZOIC**
- NEO- TO MESOPROTEROZOIC**
- Migmatitic rocks and gneisses
  - Mafic to ultramafic plutonic rocks
  - Felsic plutonic rocks, derived gneisses and migmatites
  - Metavolcanic and metasedimentary rocks

- SUPERIOR AND SOUTHERN PROVINCES**
- NEO- TO MESOPROTEROZOIC**
- Felsic intrusive rocks
  - Mafic intrusive rocks
  - Volcanic and sedimentary rocks
- PALEOPROTEROZOIC**
- Mafic intrusive rocks
  - Metasedimentary and metavolcanic rocks
- SUPERIOR PROVINCE**
- ARCHEAN**
- NEO- TO MESOARCHEAN**
- Massive to foliated granodiorite to granite
  - Foliated to gneissic tonalite to granodiorite
  - Metasedimentary rocks and derived gneisses
  - Metavolcanic and metasedimentary rocks
- MESOARCHEAN**
- Metavolcanic and metasedimentary rocks

<sup>a</sup> Phanerozoic units are lithostratigraphic, whereas Precambrian units are lithologic.





**Figure 2**  
**Houston Lake Mining Inc.**  
**Cedartree Lake Project**  
**Kenora Mining Division**  
**Ontario NTS 52F/5**  
**Location: Ontario Road Map**  
**RKG**  
**December/02**



**Figure 3**

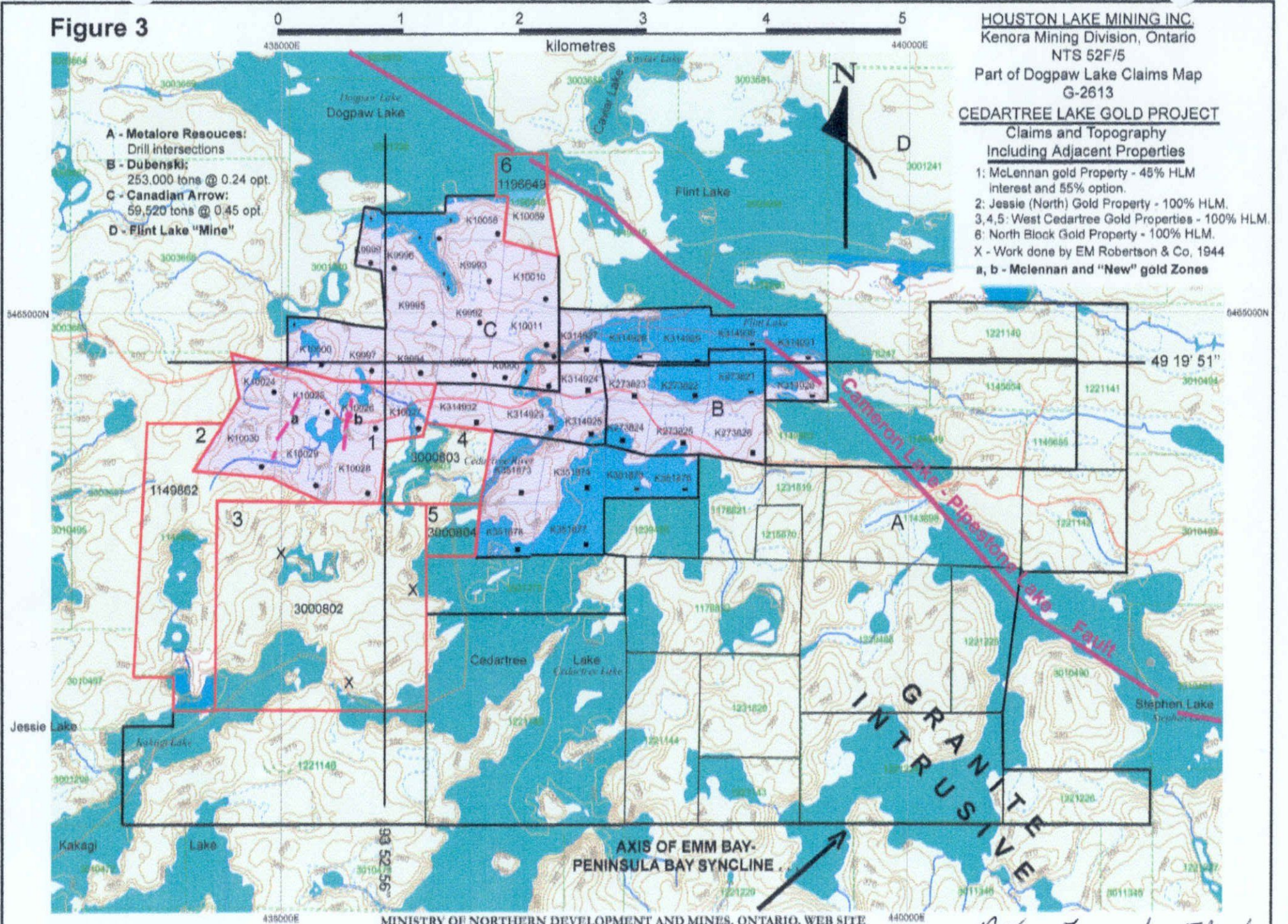
0 1 2 3 4 5  
 438000E kilometres 448000E

**HOUSTON LAKE MINING INC.**  
 Kenora Mining Division, Ontario  
 NTS 52F/5  
 Part of Dogpaw Lake Claims Map  
 G-2613

**CEDARTREE LAKE GOLD PROJECT**  
 Claims and Topography  
 Including Adjacent Properties

- 1: McLennan gold Property - 45% HLM interest and 55% option.
- 2: Jessie (North) Gold Property - 100% HLM.
- 3,4,5: West Cedartree Gold Properties - 100% HLM.
- 6: North Block Gold Property - 100% HLM.
- X - Work done by EM Robertson & Co, 1944
- a, b - McLennan and "New" gold Zones

- A - Metalore Resources:**  
 Drill intersections
- B - Dubenski:**  
 253,000 tons @ 0.24 opt.
- C - Canadian Arrow:**  
 59,520 tons @ 0.45 opt.
- D - Flint Lake "Mine"**



UTM Zone 15  
 5000m grid

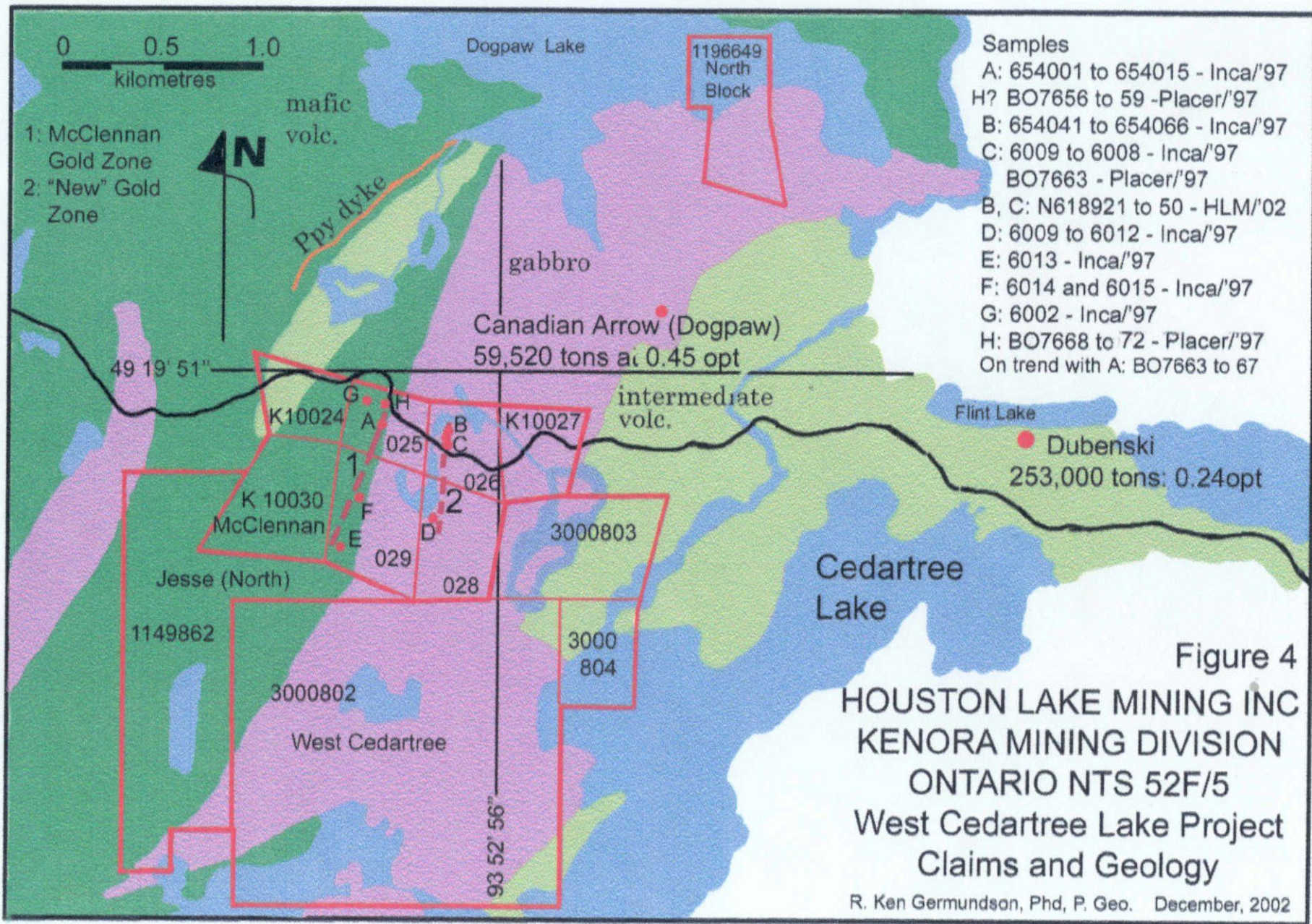
MINISTRY OF NORTHERN DEVELOPMENT AND MINES, ONTARIO, WEB SITE

R. Ken Germundson PhD, P. Geo

January, 2003

*R. Ken Germundson Feb/03*

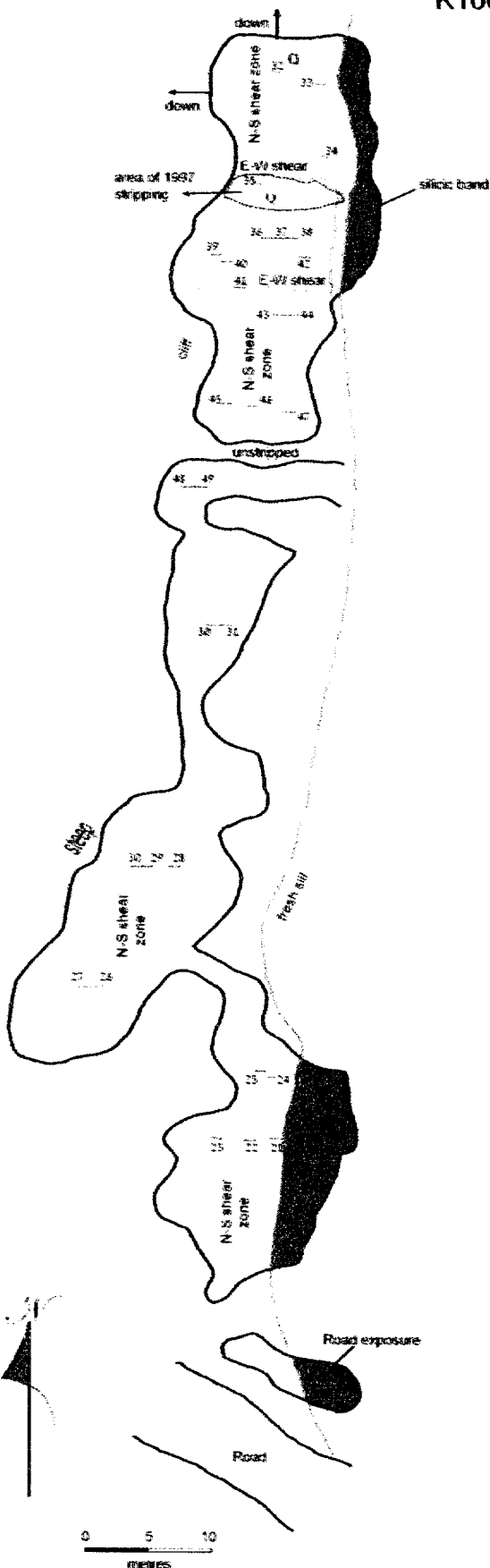




*R. Ken Germundson February 1, 2003*



K10026



Sample number prefix - N 6189  
 Sample No. GoldAssay ppb  
 CHEMEX XRAL

21	30	22
22	40	68
23	90	90
24	15	18
25	45	41
26	230	173
27	255	233
28	2200	2130
29	1095	710
30	15	24
31	15	11
32	47.1 g/t	44.7 g/t
33	123	160
34	20	43
35	15.5 g/t**	14.8 g/t
36	685	659
37	35	71
38	20	31
39	135	144
40	10	28
41	10	24
42	35	74
43	<5	18
44	<5	10
45	<5	13
46	10	17
47	30	36
48	<5	7
49	10	18
50	5	9

\*\* See 16: DATA VERIFICATION

Figure 5  
 HOUSTON LAKE MINING INC.  
 West Cedartree Gold Properties  
 Kenora Mining Division  
 Ontario NTS 52F/5  
 Stripping, Trenching, Sampling  
 Claim K10026  
 Claim Map G-2613

*R. Ken Germundson*

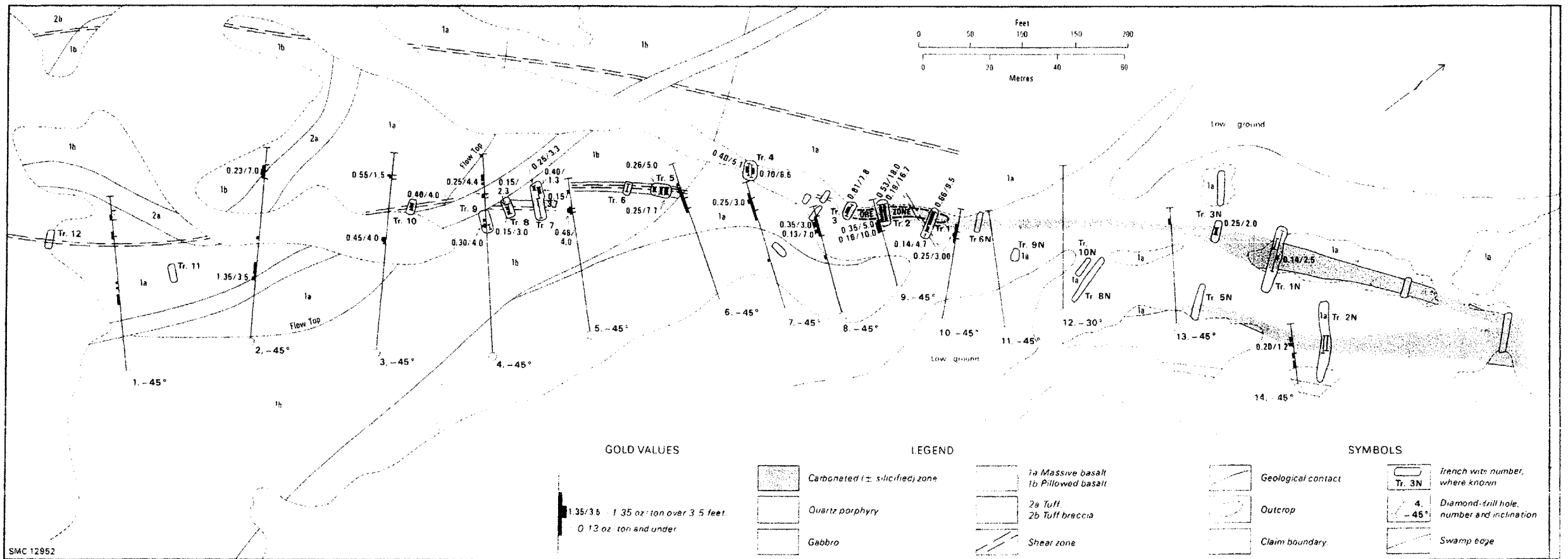


Fig. 6 Sketch of Main Showing of McLennan Property

## Work Report Summary

**Transaction No:** W0310.00306 **Status:** APPROVED  
**Recording Date:** 2003-FEB-21 **Work Done from:** 2002-JUN-04  
**Approval Date:** 2003-MAY-12 **to:** 2002-JUN-19

**Client(s):**  
 299675 WALKER, REGINALD FRANK  
 301804 HOUSTON LAKE MINING INC.

**Survey Type(s):**  
 ASSAY                      PSTRIP                      PTRNCH

**Work Report Details:**

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
G 1010009	\$10,000	\$10,000	\$0	\$0	\$10,000	10,000	\$0	\$0	
G 1010010	\$4,508	\$4,508	\$0	\$0	\$4,508	4,508	\$0	\$0	
K 1149862	\$0	\$0	\$14,508	\$14,508	\$0	0	\$0	\$0	2007-APR-10
	<u>\$14,508</u>	<u>\$14,508</u>	<u>\$14,508</u>	<u>\$14,508</u>	<u>\$14,508</u>	<u>\$14,508</u>	<u>\$0</u>	<u>\$0</u>	

**External Credits:** \$0

**Reserve:** \$0 Reserve of Work Report#: W0310.00306

\$0 Total Remaining

Status of claim is based on information currently on record.



52F05SW2014 2.25064 DOGPAW LAKE

900

Date: 2003-MAY-12

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

REGINALD FRANK WALKER  
2679 WHITSON LK. DR.  
VAL CARON, ONTARIO  
P3N 1S6 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.25064  
**Transaction Number(s):** W0310.00306

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

Thank you for your prompt response to the 45 Day Notice dated April 30, 2003. The deficiencies outlined in the Notice have been corrected.

Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form that accompanied this submission.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by phone at (705) 670-5855.

Yours Sincerely,



Ron Gashinski  
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

Reginald Frank Walker  
(Claim Holder)

Houston Lake Mining Inc.  
(Agent)

Assessment File Library

Reginald Frank Walker  
(Assessment Office)

Houston Lake Mining Inc.  
(Claim Holder)

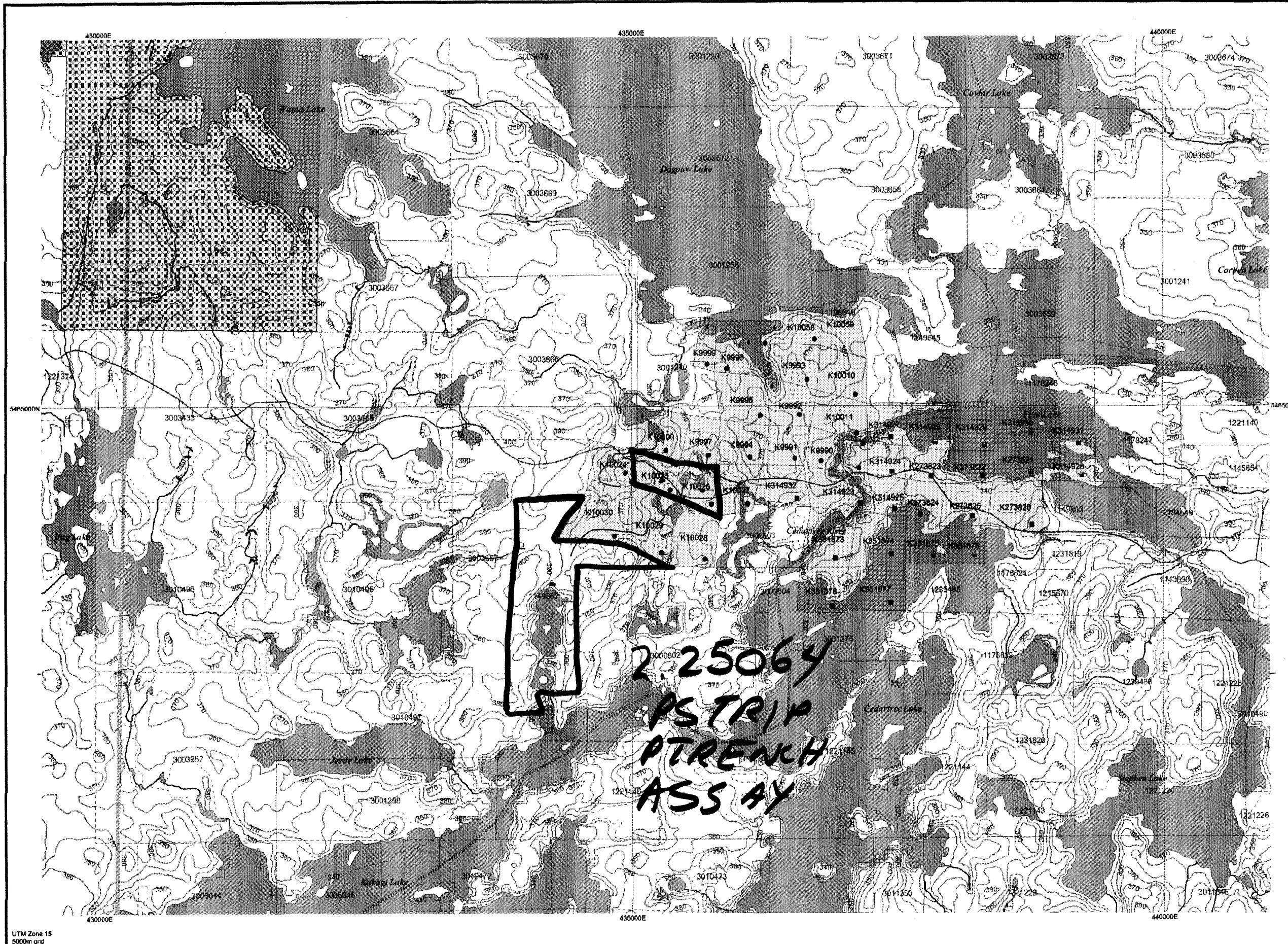
Date / Time of Issue: Mon May 12 15:31:08 EDT 2003

**TOWNSHIP / AREA**  
**DOGPAW LAKE ARE**

**PLAN**  
**G-2613**

**ADMINISTRATIVE DISTRICTS / DIVISIONS**

Mining Division: Kenora  
Land Titles/Registry Division: KENORA  
Ministry of Natural Resources District: KENORA

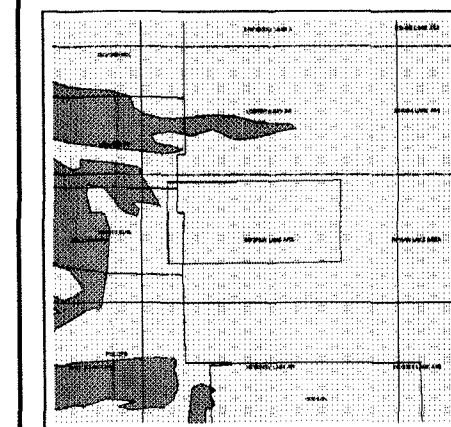


**TOPOGRAPHIC**

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shaft
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

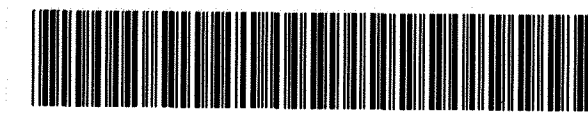
**Land Tenure**

- Freehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation**
  - Uses Not Specified
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Land Use Permit**
- Order In Council (Not open for staking)**
- Water Power Lease Agreement**
- Mining Claim**
- Filed Only Mining Claims**
- LAND TENURE WITHDRAWALS**
  - 1254 Areas Withdrawn from Disposition
  - Mining Acts Withdrawal Types
    - Wsm Surface And Mining Rights Withdrawn
    - Ws Surface Rights Only Withdrawn
    - Wm Mining Rights Only Withdrawn
  - Order In Council Withdrawal Types
    - Wsm Surface And Mining Rights Withdrawn
    - Ws Surface Rights Only Withdrawn
    - Wm Mining Rights Only Withdrawn
- IMPORTANT NOTICES**



**LAND TENURE WITHDRAWAL DESCRIPTIONS**

Identifier	Type	Date	Description
WLL-C2386	Wsm	Aug 29, 2002	<a href="http://www.mdm.gov.on.ca/INDM/MINES/LANDS/liv/eg/forwes/2002.cst">



52F05SW2014 2.25064 DOGPAW LAKE

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

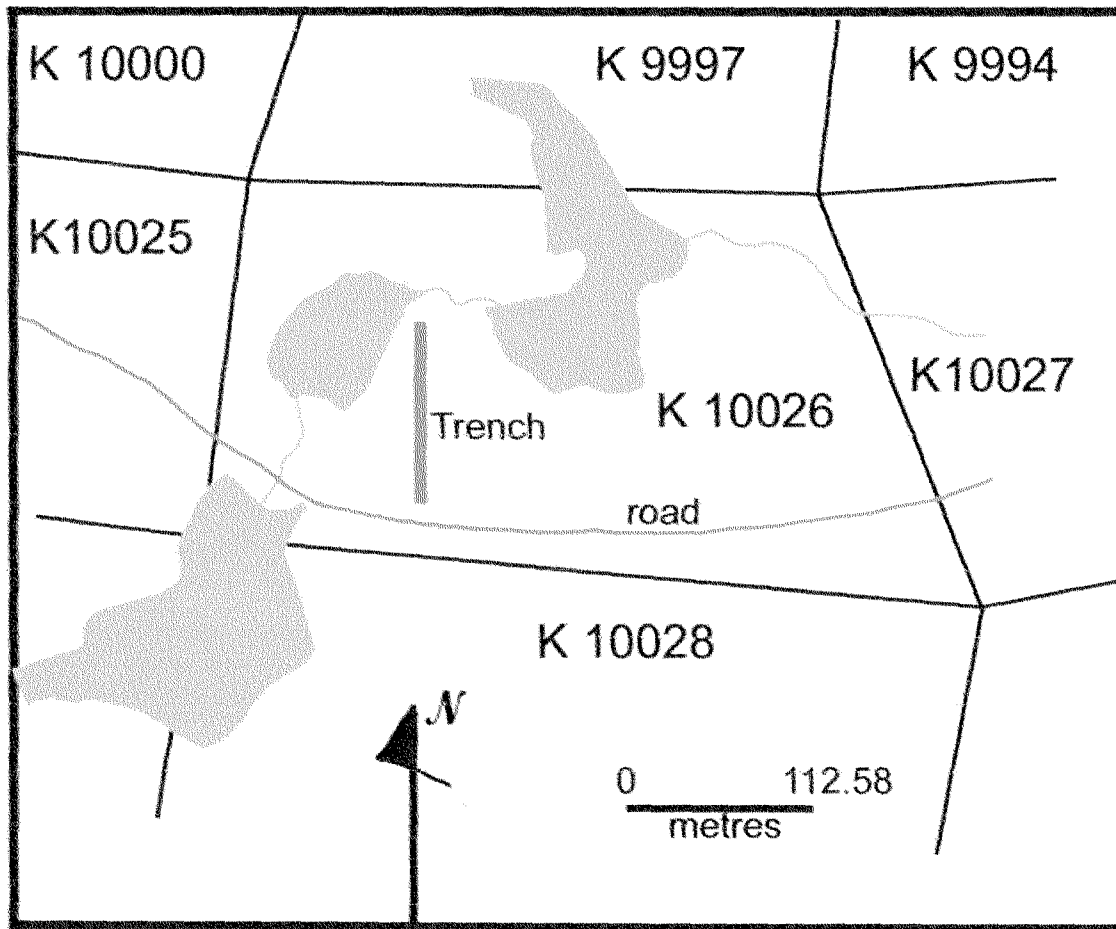
**General Information and Limitations**

Contact Information:  
Provincial Mining Recorders' Office  
Willet Green Miller Centre 933 Ramsey Lake Road  
Sudbury ON P3E 6B5  
Home Page: [www.mdm.gov.on.ca/INDM/MINES/LANDS/mis/mnpps.htm](http://www.mdm.gov.on.ca/INDM/MINES/LANDS/mis/mnpps.htm)

Toll Free  
Tel: 1 (888) 415-9845 ext 577  
Fax: 1 (877) 670-1444  
Map Datum: NAD 83  
Projection: UTM (8 degree)  
Topographic Data Source: Land Information Ontario  
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of way, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

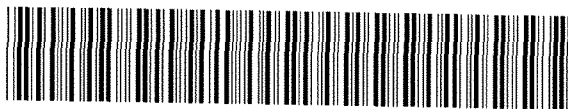


HOUSTON LAKE MINING INC  
 WEST CEDARTREE GOLD PROPERTIES  
 KENORA MINING DIVISION  
 ONTARIO  
 Location of figure 5 on claim K 10026  
 Claim Map G-2613

R. Ken Germundson

May 6, 2003

From: MNDM Ontario Web Site

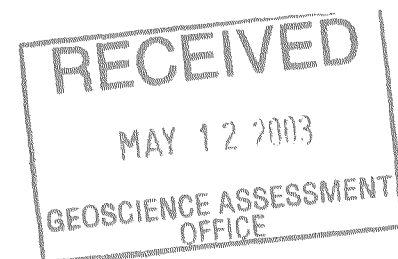


52F05SW2014 2.25064

DOGPAW LAKE

210

**2.25064**





K10026

**RECEIVED**  
 MAY 12 2003  
 GEOSCIENCE ASSESSMENT  
 OFFICE

**2.25064**

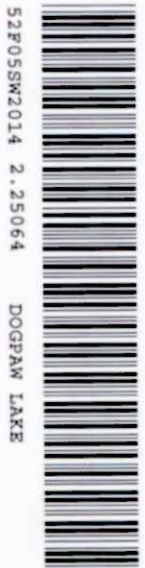
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 CHEMEX XRAL

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50	5	9

\*\* See 16: DATA VERIFICATION

**Figure 5**  
 HOUSTON LAKE MINING INC.  
 West Cedartree Gold Properties  
 Kenora Mining Division  
 Ontario NTS 52F/5  
 Stripping, Trenching, Sampling  
 Claim K10026  
 Claim Map G-2613



220