



52J07NE8876 63.6178 GREBE LAKE

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A REPORT ON 1992 SAMPLING OPERATIONS,  
KASHAWEOGAMA PROPERTY

RECORDS ORDER  
VALERIE  
TRAINING DIVISION

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November 20, 1992

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### INTRODUCTION

The Kashaweogama (Kash) gold property consists of 37 contiguous, unpatented mining claims located in the Savant Lake area of northwestern Ontario. It is approximately 5 miles west of Highway 599 which runs between Ignace and Pickle Lake. The location of the property is shown in following Figure 1.

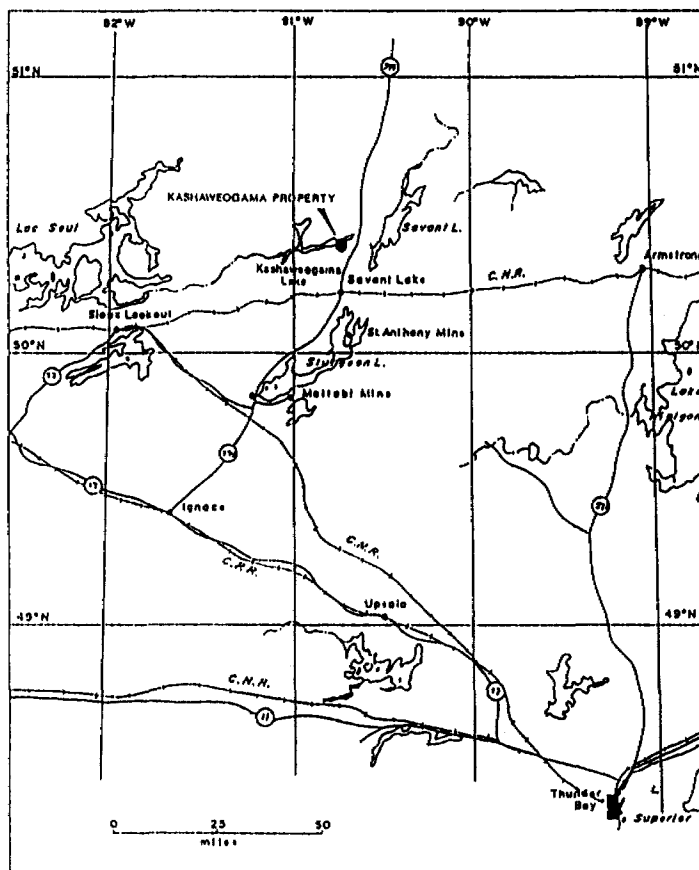


FIGURE 1 - General location of the Kashaweogama Property Area

The purpose of this report is to describe sampling operations carried out in respect to the Kashaweogama property during 1992. Sampling was carried out on the property during the periods June 15 to June 26, 1992 and September 10 to 23, 1992, in conjunction with trenching operations and geological mapping.

All sampling was carried out by the writer during the noted periods, and the writer has also prepared this report. Program costs noted herein do not include the writer's field time, as this will be claimed for assessment work credit in a subsequent report to be prepared in respect to geological mapping. All analyses were done by Chauncey Assay Laboratories of Toronto, Ontario. Mr. J. van Engelen is the manager and chief chemist of this firm.

The ownership of the Kashaweogama gold property is registered in the name of Mr. R.G. Ramsay of Barrie, Ontario. A listing of some sources of information on the property and the surrounding area is included herein as Appendix I.

#### PROPERTY LOCATION, CULTURE

The Kashaweogama property lies approximately 5 miles west of Highway 599, which runs between Savant Lake and Pickle Lake in northwestern Ontario. The property is easily accessible via the waters of Kashaweogama Lake from a boat landing located about  $\frac{1}{2}$  mile west of the Highway. There is also a bush road running west from the boat landing, extending to within one mile of the property area on the south side of Kashaweogama Lake.

The area is wooded with spruce, poplar and pine, with second growth in areas which have been cut in the past. The area exhibits a local relief of about 20 meters, and has moderate outcrop exposure. Overburden is generally composed of poorly sorted glacial till and sand. The land areas drain

into Kashaweogama Lake which covers the central part of the property, this draining west into the Marchington River system and thence northward as part of the Jame Bay watershed.

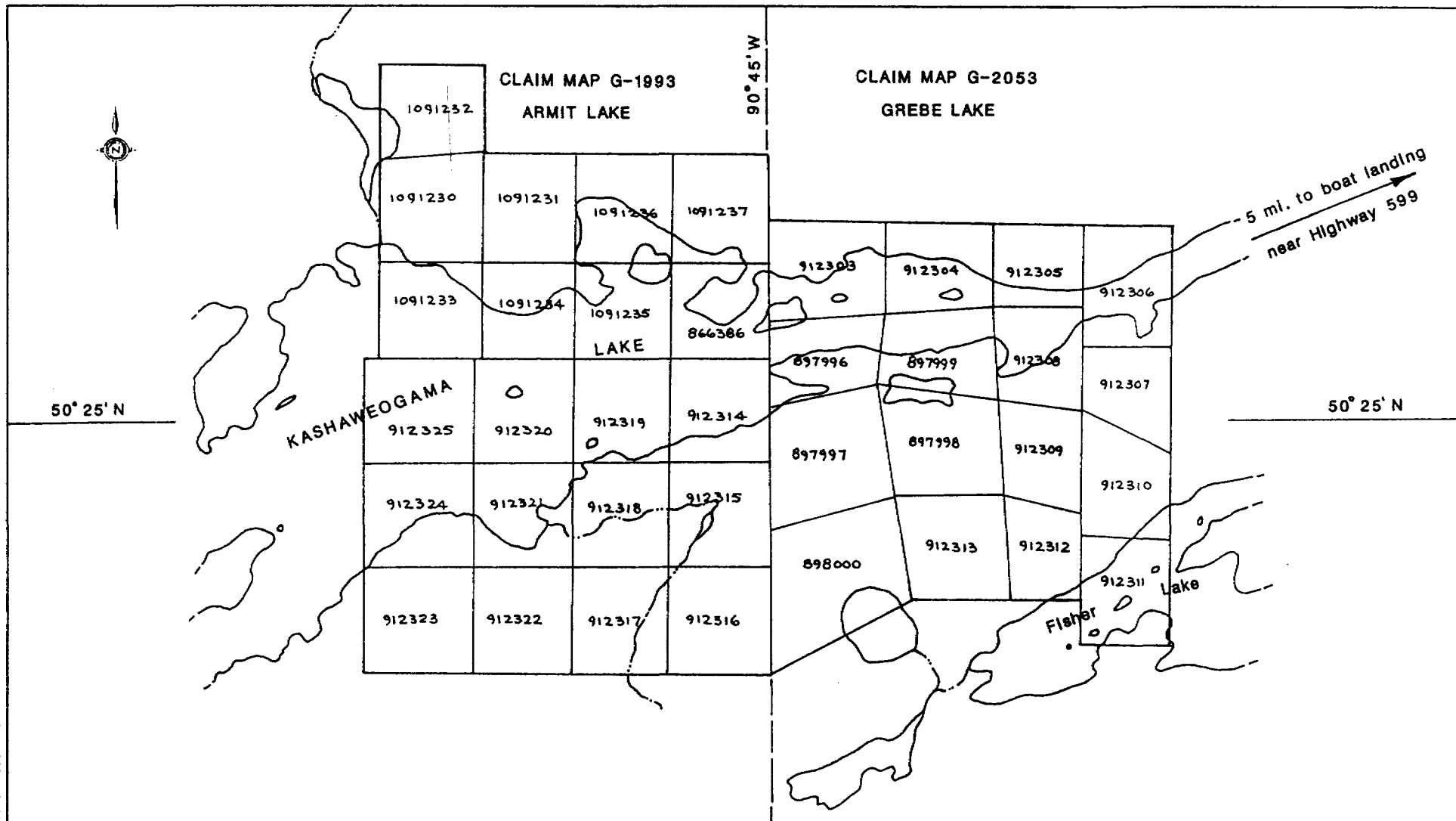
The closest source of electric power is the transmission line bringing power to an indian settlement being constructed near the boat landing five miles miles to the east. Local labour and supplies are available at the town of Savant Lake, about 15 miles to the south. The nearest active mining operations are at the Mattabi mine 40 miles to the south, and the Golden Patricia mine 50 miles to the north.

During late 1991 a reserve area at Kashaweogama Lake was granted to the Saugeen Indian Band by the government of Ontario. The northern boundary of the Kashaweogama property forms part of this reserve boundary. The survey of this new reserve area was completed during the fall of 1992.

CLAIM STATUS, OWNERSHIP

The 37 contiguous unpatented mining claims making up the Kashaweogama property are illustrated in accompanying Figure 2. Claim ownership is registered in the name of Raymond G. Ramsay, who resides at 10 Cook Street, Barrie, Ontario, L4M 4E9. The included claims may be listed as follows:

<u>Claim No.</u>	<u>Recording Date</u>	<u>Status</u>
Pa 866386	July 25, 1986	In good standing
Pa 897996 - 898000 incl.	October 21, 1986	In good standing
Pa 912303 - 912325 incl.	November 21, 1986	In good standing
Pa 1091230 - 1091237 incl.	September 14, 1989	In good standing



CLAIM LOCATION PLAN OF THE KASHAWEOGAMA PROPERTY

FIGURE 2

SCALE : 1 inch = 2,000 feet

The claims lie within the Patricia Mining Division of northwestern Ontario, and records are on file in the office of the Mining Recorder in Sioux Lookout, Ontario.

### SAMPLING OPERATIONS, 1992

#### GENERAL COMMENTS:

As noted, sampling operations during the year were carried out in conjunction with trenching and geological mapping during the June 15-26/92 and September 10-23/92 periods. In total 62 samples were analyzed as part of this program at an assay cost of \$ 1,266.07. Sample descriptions are included herein as Appendix II, copies of the assay certificates are included as Appendix III, and invoices for assay services are shown in Appendix IV.

In Figure 3 the five areas within the Kashaweogama property in which sampling was carried out are indicated. These include locations 1 and 2 in the North Grid Area where trenching and stripping were carried out, and locations 3, 4 and 5 in the South Grid area. In the latter case the bulk of the sampling was done during remapping in these areas. However, some locations considered of particular interest were stripped and blasted to allow more thorough examination and provide better sampling access.

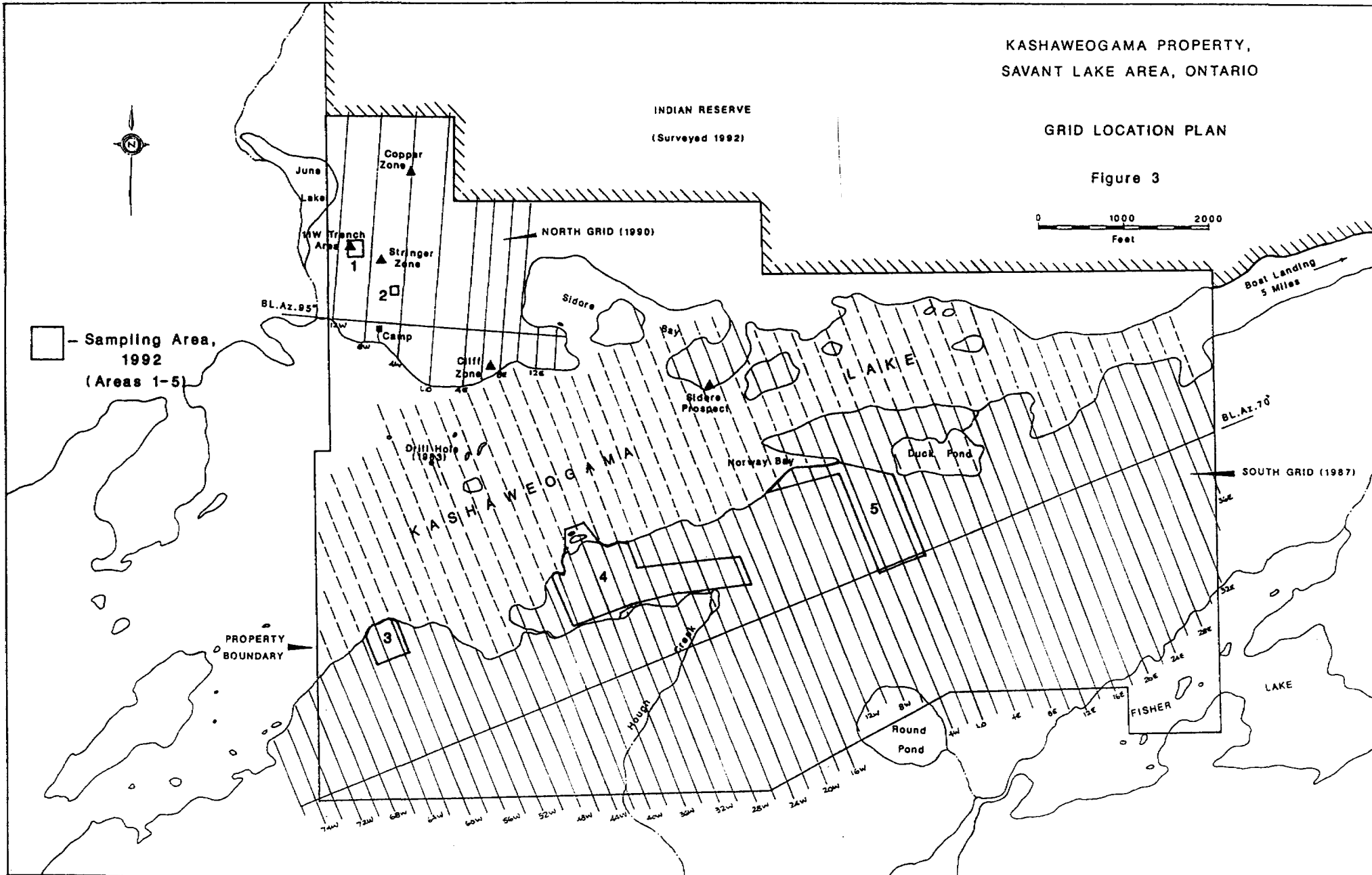
All sampling was carried out by the writer, G.M. Hogg of 28 Thompson Avenue, Toronto, Ontario, M8Z 3T3, and all assaying was done by Chauncey Assay Laboratories, 33 Chauncey Avenue, Toronto, Ontario, M8Z 2Z2.

As has been noted, the writer's field time and related expense have not been considered applicable to the Sampling Program costs for purposes of assessment work credit. These costs will be considered in a subsequent report on geological mapping.

KASHAWEOGAMA PROPERTY,  
SAVANT LAKE AREA, ONTARIO

GRID LOCATION PLAN

Figure 3



□ - Sampling Area,  
1992  
(Areas 1-5)

PROPERTY  
BOUNDARY

SOUTH GRID (1987)

INDIAN RESERVE  
(Surveyed 1992)

NORTH GRID (1990)

Boat Landing  
5 Miles

BL.Az.70

KASHAWEOGAMA

LAKE

LAKE

FISHER

Round  
Pond

Duck  
Pond

Norway Bay

Sidere  
Bay

Sidere  
Prospect

Cliff  
Zone

Ditch Hole  
(1988)

Camp

NW Trench  
Area

Stringer  
Zone

Copper  
Zone

June  
Lake



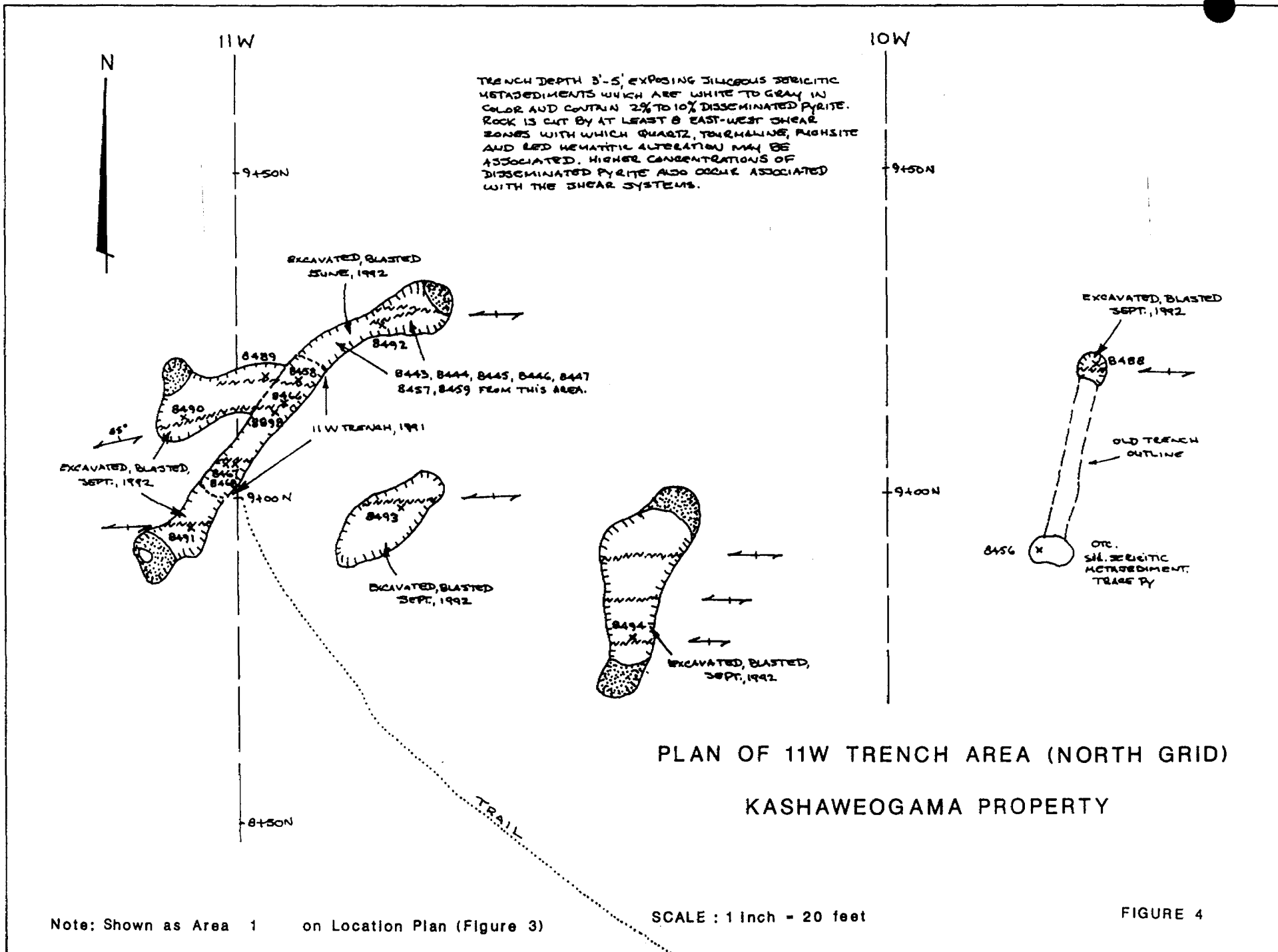
SAMPLING, AREA 1:

As shown in Figure 4, considerable additional trenching was carried out in the 11W Trench area during 1992. All new openings exposed highly sheared siliceous sericitic metasediments containing fine disseminated pyrite. Minor fault zones in this locality proved more common than previously recognized, numbering at least eight. These strike at about Az. 90°, are steeply dipping, and are in general more strongly mineralized than the containing rocks.

Twenty samples were taken from this area, nineteen of these reporting from 19 to 444 ppb Au with the usual high background of Cu, Pb, Zn and Ag (see Sample Listing, Appendix II). The one additional mineralized sample (8467) was crushed and panned, yielding a pyritic concentrate estimated at about 20% of sample volume. This concentrated material reported a value of 0.15 oz.Au/ton on assaying, while the unconcentrated source material (8468) reported at 290 ppb Au. It is of note that megascopic examination of the concentrated material revealed some minute flakes of a yellow metallic on some pyrite crystal faces, and in view of the assay value obtained this is probably gold. It is not known how extensive this pyrite-gold intergrowth may be.

As a general rule in this area that smaller samples tend to report higher gold values. This is probably because smaller, more selective samples likely contain a higher than average portion of auriferous pyrite, thereby increasing the probability of its presence in the portion of the sample actually analyzed.

Sample 8898 was a 450 gm. sample of mineralized material from the trenched area. It was treated with a cyanide leach solution in an effort to determine its total gold content. The rather low value of 40 ppb Au reported in this cyanide leach test correlates quite closely with the value obtained



Note: Shown as Area 1 on Location Plan (Figure 3)

FIGURE 4

in the normal atomic absorption assay of the same material. As it may be (1) that the sample actually has a low gold content, or (2) that contained gold is in crystal intergrowth with pyrite (and hence unavailable to the leaching solution), the results of this test must be considered indeterminate.

#### SAMPLING, AREA 2:

Stripping was carried out in the vicinity of 4+50W, 3+00N in the North Grid area to allow examination of a poorly exposed quartz vein which had yielded a value of 543 ppb Au in previous sampling. The resulting stripped area and 1992 sampling locations are shown in Figure 5.

Sheared mafic volcanics and metasediments similar to those occurring in the Stringer Zone 400 feet to the northwest were noted in this location. Silicified material and a quartz vein containing traces of pyrite mineralization were sampled, reporting values of 18 ppb Au and 19 ppb Au respectively (see Samples 8448 and 8449, Appendix II).

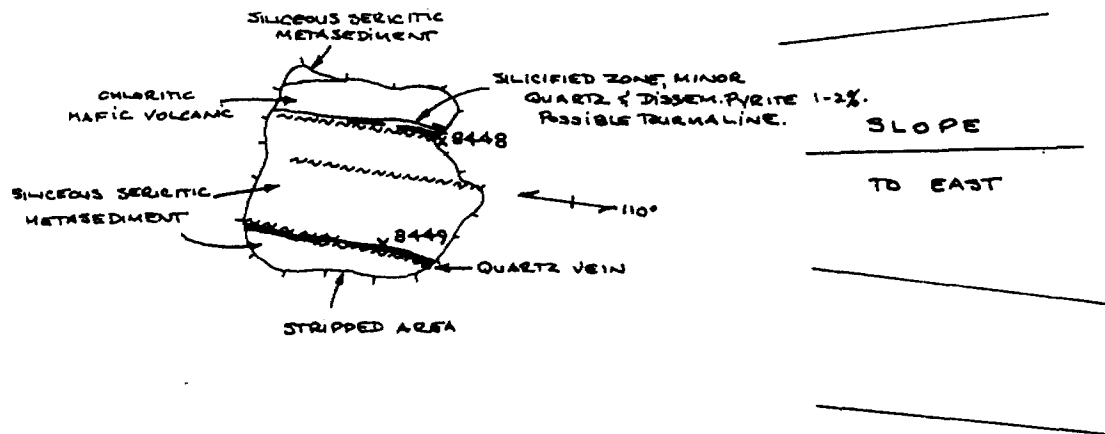
#### SAMPLING, AREA 3:

Re-examination of the geology of the South Grid area on the south shore of Kashaweogama Lake commenced in Area 3 (see detail on Map No. 1, in pocket). The "mafic metavolcanic" previously mapped at the lakeshore on line 62+00W was reclassified as Cherty Amphibole Schist containing disseminations of fine pyrite in the 1-2% range. Initial sample 8450 of this material reported a value of 38 ppb Au with low values in Cu, Pb and Zn (see Sample Listing, Appendix II). A rerun of this sample was requested (reported as 8463), returning a value of 241 ppb Au and similar levels of Cu, Pb and Zn.

Proceeding on the theory that soil geochemical anomalies in this area

4W

Note: Shown as Area 2 on Location Plan (Figure 3)



3+00N

PLAN OF 4+50W STRIPPING AREA (NORTH GRID)

KASHAWEOGAMA PROPERTY

(Claim Pa 1091230)

SCALE : 1 Inch = 10 feet

FIGURE 5

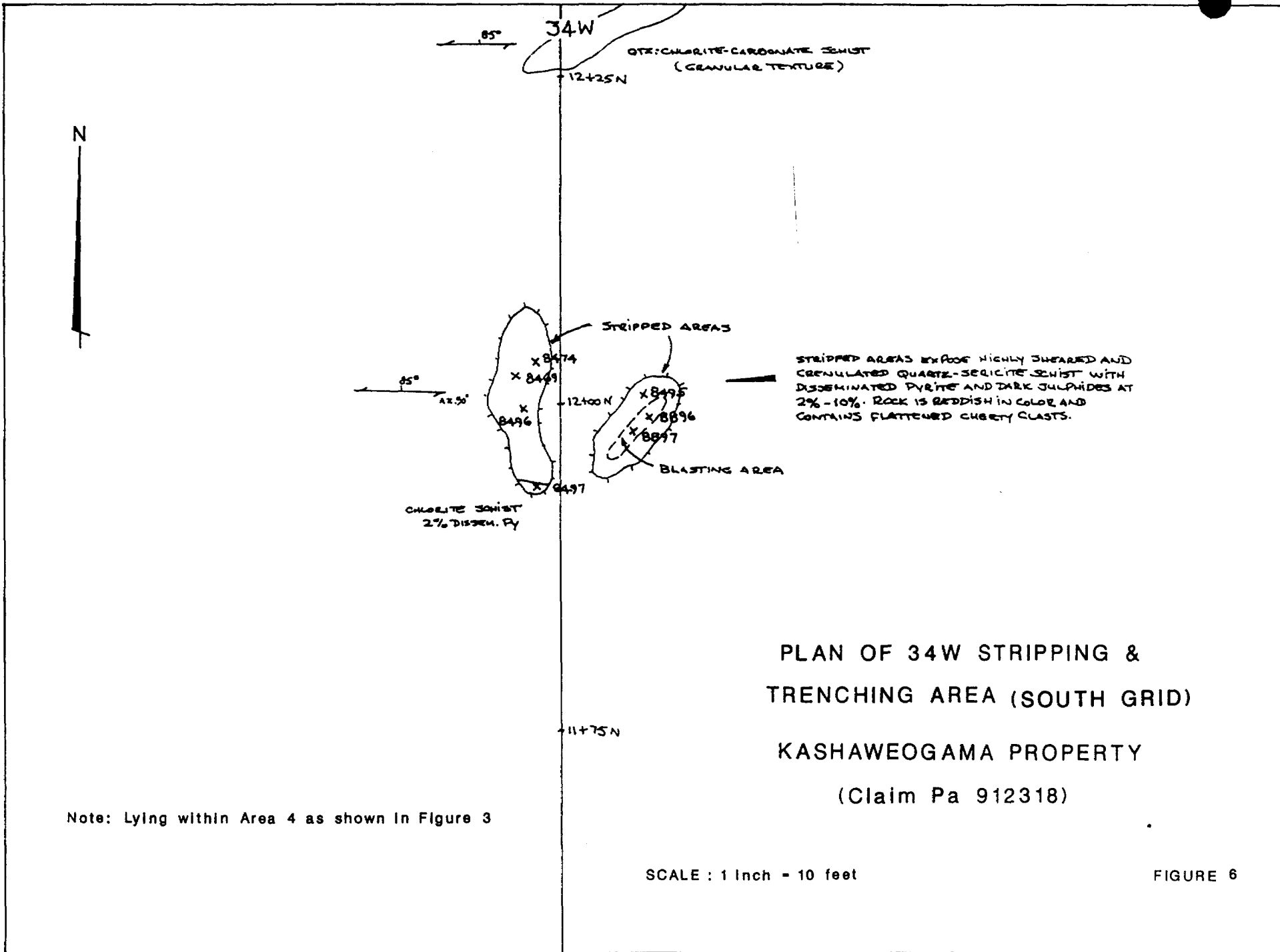
originated from transported material moved south from the lake bed by glacial action, four samples of angular float were taken along the lakeshore in the vicinity of line 62+00W (see Map No. 1, in pocket). These yielded a maximum value of 38 ppb Au, and clearly are not representative of any gold-bearing source to the north.

Two additional bedrock samples were taken in the area to the south, and a maximum value of 90 ppb Au was obtained from a highly sheared locality at 62+00W, 11+60N (sample 8461). This sample location lies in proximity to a 1987 soil geochemical sample which reported at 54 ppb Au.

#### SAMPLING, AREA 4;

The next area within the South Grid to be investigated lay between lines 20+00W and 40+00W south of the lakeshore (see Map No. 1, in pocket). In this area highly folded Cherty Amphibole Schist, Quartz-Chlorite-Carbonate Schist and reddish Quartz Sericite Schist were identified, the latter often containing between 1% and 5% sulphide mineralization which is mainly localized within contained chert clast material. The locations of soil geochemical anomalies detected in 1987 conform closely with such mineralized locations. In the course of this remapping and sampling, it also became apparent that the magnetics over this area afford an effective means of tracing geological structure, and the presence of intense folding and faulting action is indicated.

Twenty-five bedrock samples were taken in this area as shown on Map No. 1. Most of these were from outcrop locations, but some were taken from stripped areas at 34+00W, 12+00N and 32+00W, 11+00N. These stripped areas and sample locations are shown in more detail in Figures 6 and 7 of this report. As shown in Appendix II values ranging from 35 ppb Au to 1,800 ppb Au were obtained from the area. Most assays lie in the 200 to 300 ppb Au range, and



QZ: CHLORITE-CARBONATE SCHIST  
(GRANULAR TEXTURE)

12+25N

N

STRIPPED AREAS

X 8474

X 8449

X 8496

X 8497

12+00N

X 8495

X 8896

X 8897

BLASTING AREA

STRIPPED AREAS EXPOSE HIGHLY SHEARED AND  
CRENULATED QUARTZ-SERICITE SCHIST WITH  
DISSEMINATED PYRITE AND DARK SULPHIDES AT  
2% - 10%. ROCK IS REDDISH IN COLOR AND  
CONTAINS FLATTENED CHESTY CLASTS.

CHLORITE SCHIST  
2% DISSEM. PY

PLAN OF 34W STRIPPING &  
TRENCHING AREA (SOUTH GRID)

KASHAWEOGAMA PROPERTY  
(Claim Pa 912318)

11+75N

Note: Lying within Area 4 as shown in Figure 3

SCALE : 1 Inch = 10 feet

FIGURE 6



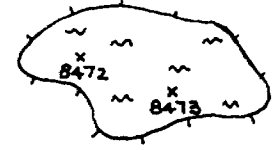
32W

11+25N

Mafic Flow, TP, P<sub>1</sub>, Magnetite

STRIPPED AREAS

85°  
12.90°



STRIPPED AREAS EXPOSE HIGHLY SHEARED  
AND CUMULATED QUARTZ-SERICITE SCHIST.  
ROCK IS DEEPLY WEATHERED AND RUSTY, EST.  
TO HAVE SULPHIDE CONTENT OF 2%-10%.  
SIMILAR TO EXPOSURE #6 ON LINE 34W.

11+00N

10+15N

Note: Lying within Area 4 as shown in Figure 3

PLAN OF 32W STRIPPING AREA(SOUTH GRID)

KASHAWEOGAMA PROPERTY

(Claim Pa 912318)

SCALE : 1 Inch = 10 feet

FIGURE 7

are from exposures of mineralized Quartz Sericite Schist.

In respect to the stripped area at 34+00W, 12+00N (Figure 6), it will be noted that reruns on Sample 8469 reported values ranging from 100 ppb Au to 1,800 ppb Au. As in the case of the previously discussed 11W Trench area, it is believed that this variation reflects the amount of auriferous pyrite present in the portion of the sample actually analyzed. A cyanide leach test was also carried out on two samples from this stripped location, and the results are again considered indeterminate.

SAMPLING, AREA 5:

The South Grid area between lines 0+00 and 4+00W from Norway Bay to the Base Line was also examined, and six samples taken for analysis. This area is underlain mainly by Cherty Amphibole Schist and Quartz-Chlorite-Carbonate Schist (see Map No. 1, in pocket). Significant sampling results are discussed in the following text.

At 0+20W, 7+90N an outcrop of Cherty Amphibole Schist was found to contain a 1" clast of amphibolitic material. Some coarse pyrite occurs around the clast, but the host rock is otherwise unmineralized. Sample 8485 of the clast material returned an assay value of 542 ppb Au. Nearby samples 8501 and 8502, which are of similar rock type and contain some magnetite crystals and only a trace of pyrite, reported only 26 ppb Au and 20 ppb Au.

Sample 8486 was taken from a pink to gray cherty outcrop located at 4+40W, 10+80N. The sample contained only a trace of pyrite and minor quartz veining. It returned a value of 463 ppb Au. Nearby unmineralized sample 8500 reported a value of only 22 ppb Au. Interestingly the rock in this location is very hard and appears silicified.



A dark, finely banded siltstone containing 2-3% pyrite in seams was located at 4+00W, 13+50N. Sample 8487 of this material reported at 595 ppb Au. This location lies just south of Norway Bay through which a substantial fault zone is believed to extend.

In this same general area, near 15+00W at the lakeshore, check sample 8465 was taken from a piece of angular float. Previous sampling of this material had returned values in a geochemically high range. Sample 8465, containing only traces of fine pyrite returned a value of 101 ppb Au. The rock type is identified as Cherty Amphibole Schist.

OTHER:

Samples 8462 and 8464 did not originate from the Kashaweogama property, but were submitted to the assaying facility along with samples from the property to check on analytical accuracy. The reported results of 0.44 oz.Au/ton and 80 ppb Au, respectively, were as expected.

DISTRIBUTION OF SAMPLING PROGRAM COSTS

As noted, only the actual assay cost and report preparation cost are considered in this phase of the 1992 program on the Kashaweogama property. As shown in Appendix IV the total assay cost is \$ 1,266.07, and the writer's invoice for report preparation is in the amount of \$ 347.75. The overall total cost of the program is thus calculated as \$ 1,613.82.

The distribution of this cost on a per claim basis is estimated as follows:

Pa 1091230 - 22 samples (including 2 check samples), amounting to 36%  
(Areas 1,2) of the program total of 62 samples.

Value of Work: 36% x \$ 1,613.82 = \$ 581

Pa 912324 - 8 samples, amounting to 13% of the program total of 62 (Area 3) samples.

Value of Work:  $13\% \times \$ 1,613.82 = \$ 210$

Pa 912315 - 6 samples, amounting to 10% of the program total of 62 (Area 4) samples.

Value of Work:  $10\% \times \$ 1,613.82 = \$ 161$

Pa 912318 - 17 samples, amounting to 27% of the program total of 62 (Area 4) samples.

Value of Work:  $27\% \times \$ 1,613.82 = \$ 436$

Pa 912319 - 2 samples, amounting to 3% of the program total of 62 (Area 4) samples.

Value of Work:  $3\% \times \$ 1,613.82 = \$ 48$

Pa 897997 - 7 samples, amounting to 11% of the program total of 62 (Area 5) samples.

Value of Work:  $11\% \times \$ 1,613.82 = \$ 178$

#### SUMMARY & CONCLUSIONS


Work in the North Grid area during 1992 was centered mainly in the 11W Trench area where shearing and pyritic mineralization were found to be more extensive than previously recognized. Sampling and assaying in this area demonstrated that gold is closely associated with pyrite, and could be expected to occur in economically significant quantities with higher levels of pyrite concentration. Such a situation could occur in the conductive area immediately north of the 11W Trench locality.

In the South Grid area gold also appears closely associated with pyritic mineralization. The 1992 geological and sampling work completed in this area indicates that a reddish Quartz Sericite Schist horizon is a particularly promising environment for pyritic concentration, and that it is

likely of wide distribution. It is clearly not the only potential host for auriferous pyrite mineralization however.

Most importantly sampling in the South Grid area during 1992 demonstrated that the rather extensive soil geochemical anomalies in this area reflect metalliferous content in the underlying bedrock. These anomalies are not, as previously supposed, due to glacially transported soils. In respect to gold content, the areas of highest soil geochemical activity lie to the southeast and southwest of Duck Pond.

Respectfully Submitted,

  
G.M. Hogg, P.Eng.



APPENDIX I

Listing Of Some Sources Of Information  
On The Kashaweogama Property

APPENDIX I

Listing Of Some Sources Of Information On the Kashaweogama Area

- |                         |   |
|-------------------------|---|
| Bond, W.D.              | - Houghton Lake-Hough Lake, Thunder Bay District; O.G.S. Geological Map 2424, 1980.   |
| Fernberg, P.A.          | - Geological and Geochemical Survey of the Kashaweogama Property, 1987. Report to Redaurum Red Lake Mines Ltd., April 28, 1988.   |
| GML Minerals Consulting | - Geology, Geochemistry, Geophysics in the Kash Grid Areas, for Stargazer Resources Ltd. Misc. records and reports in Assessment Files of the Ministry of Mines & Northern Development, 1980-83.  |
| Moore, E.S.             | - Savant Lake Gold Area, Thunder Bay District. O.D.M. Map 37J, 1928.  |
| Sanborne-Barrie, M.     | - Miscellaneous Field Records, O.G.S. Mapping Records, 1990.  |
| TexchTerrex Ltd.        | - Geophysical Survey Of The Kashaweogama Property, 1987-88. For Redaurum Red Lake Mines Ltd., April 30, 1988.   |
| Trowell, N.F.           | - Precambrian Geology of the Savant Lake Area. O.G.S. Preliminary Map P.3099, 1988.<br>- Aeromagnetic Map of the Kashaweogama Lake Area. (Ontario Dept. of Lands & Forests) Geophysical Map 1119G.<br>- Airborne Electromagnetic and Magnetic Survey of the Sturgeon lake-Savant Lake Area. O.G.S., 1990. |

APPENDIX II

Sample Listing & Description, 1992

APPENDIX II

(i)

SAMPLE LISTING, KASHAWEOGAMA PROPERTY, 1992

- 8443 - 11W Trench North Extension, North Grid (approx. 11+00W, 9+00N). Siliceous sericitic sediment, light gray with dark patches and streaks. Disseminated pyrite to about 3%
- Au 19 ppb, Cu 33 ppm, Pb 27 ppm, Zn 24 ppm
- 8444 - 11W Trench North Extension, North Grid. Gray metasediment as # 8443. Disseminated Py 2% to 3%.
- Au 21 ppb, Cu 32 ppm, Pb 34 ppm, Zn 15 ppm
- 8445 - 11W Trench North Extension, North Grid. Siliceous sericitic metasediment in narrow shear, kaolinitized. Disseminated Py 2% to 3%.
- Au 29 ppb, Cu 24 ppm, Pb 18 ppm, Zn 26 ppm
- 8446 - 11W Trench North Extension, North Grid. Composite sample of siliceous sericitic material from extension area. Disseminated Py about 2%.
- Au 20 ppb, Cu 17 ppm, Pb 23 ppm, Zn 12 ppm
- 8447 - 11W Trench North Extension, North Grid. Mineralized metasediment from shear zone exposed in trench. Contains fine disseminated pyrite 2-3%.
- Au 24 ppb, Cu 24 ppm, Pb 16 ppm, Zn 31 ppm
- 8448 - 4+50W, 3+00N, North Grid. Stripped area. Siliceous zone near volcanic-sediment contact in folded and sheared area. Dissem. pyrite to about 1%.
- Au 18 ppb, Cu 12ppm, Pb 12 ppm, Zn 12 ppm
- 8449 - 4+50W, 3+00N, North Grid. Stripped area. Quartz vein in sheared and folded siliceous sediment. Trace pyrite.
- Au 19 ppb, Cu 16 ppm, Pb 12 ppm, Zn 10 ppm
- 8450 - 62+00W, 16+00N, South Grid at lakeshore. Cherty amphibolite schist, pitted weathered surface. Pyrite dissem. and on shear planes at 1-2%.
- Au 38 ppb, Cu 53 ppm, Pb 42 ppm, Zn 44 ppm (see rerun # 8463)
- 8451 - 63+00W at lakeshore, South Grid. Angular float of mafic tuff, trace of pyrite.
- Au 31 ppb, Cu 78 ppm, Pb 41 ppm, Zn 51 ppm

8452 - 61+00W, 14+00N, South Grid. Qtz.-Chlorite-Carbonate schist with pink feldspathic interbeds. Trace of pyrite. Stripped and blasted area.

Au 24 ppb, Cu 50 ppm, Pb 43 ppm, Zn 49 ppm

8453 - 61+50W at Lakeshore, South Grid. Angular float of cherty banded schist. Trace of pyrite.

Au 31 ppb, Cu 30 ppm, Pb 34 ppm, Zn 43 ppm

8454 - 61+50W at Lakeshore, South Grid. Angular float of white siliceous rock identified as quartzite. Dissem. pyrite to about 2%.

Au 23 ppb, Cu 28 ppm, Pb 29 ppm, Zn 44 ppm

8455 - 61+75W at Lakeshore, South Grid. Angular float of dense green volcanic rock with trace of pyrite.

Au 15 ppb, Cu 91 ppm, Pb 46 ppm, Zn 24 ppm

8456 - 11W Trench Area, North Grid. Outcrop area about 125 feet east of 11W Trench (9+75W, 8+90N). Pinkish siliceous sericitic metasediment containing traces of pyrite.

Au 19 ppb, Cu 26 ppm, Pb 22 ppm, Zn 12 ppm

8457 - 11W Trench, North Extension. North Grid. Sheared sericitic sediment with dark clots and streaks. Pyrite dissem. 1-2%. About average material exposed in extension area.

Au 27 ppb, Cu 33 ppm, Pb 31 ppm, Zn 32 ppm

8458 - 11W Trench at 25'N, North Grid. Fuchsitic material in sheared section. Pyrite dissem. and on shear planes at 3-4%.

Au 23 ppb, Cu 86 ppm, Pb 18 ppm, Zn 10 ppm

8459 - 11W Trench, North Extension, North Grid. Chip sample of mineralized metasediment with pyrite to about 3%.

Au 19 ppb, Cu 36 ppm, Pb 28 ppm, Zn 30 ppm

8461 - 62+00W, 11+60N, South Grid. Stripped exposure of highly sheared chlorite-carbonate schist with feldspathic interbeds. Sample is about 75% feldspathic material with dissem. sulphide to 1-2%.

Au 90 ppb, Cu 112 ppm, Pb 483 ppm, Zn 20 ppm



8462 - Check sample, pyritic gold ore.

Au 0.44 oz.Au/ton, Cu 54 ppm, Pb 104 ppm, Zn 47 ppm

8463 - 62+00W at Lakeshore, South Grid. Rerun of Sample No. 8450. Material is cherty amphibole schist with low dissem. pyrite.

Au 241 ppb, Cu 42 ppm, Pb 76 ppm, Zn 28 ppm

8464 - Check sample, unmineralized conglomerate from mining area.

Au 80 ppb, Cu 64 ppm, Pb 53 ppm, Zn 45 ppm

8465 - 15+00W, 12+50N, South Grid. Check sample of angular float at lakeshore which returned 351 ppb Au in 1991 sample 8428. Material is cherty amphibole schist with low dissem. pyrite.

Au 101 ppb, Cu 100 ppm, Pb 61 ppm, Zn 44 ppm

8466 - 11W Trench, North Grid. Hematized siliceous metasediment with 1-2% dissem. pyrite. Sample from 10'N in main trench opened in 1991.

Au 49 ppb, Cu 20 ppm, Pb 23 ppm, Zn 10 ppm

8467 - 11W Trench, North Grid. Sample from about 20'N in main trench opened in 1991. It is siliceous metasediment with 3-4% dissem. pyrite. Sample was crushed and panned concentrating pyrite to the 15-20% range. Minute flakes of gold (?) noted adhering to pyrite crystals. This concentrate was assayed.

Au 0.15 oz.Au/ton

8468 - 11W Trench, North Grid. Sample consists of mineralized siliceous sediment from which the panned Sample 8467 was obtained. It contains 2-3% disseminated yellowish pyrite.

Au 290 ppb

8469 - 34+00W, 12+00N, South Grid. Reddish Quartz Sericite Schist from stripped area. Pyrite and dark sulphides occur mainly disseminated in cherty clasts to 5-6%. Reruns requested on gold content.

Au 100 ppb, Cu 240 ppm, Pb 51 ppm, Zn 101 ppm, Ag 5 ppm  
1800 ppb  
110 ppb  
115 ppb

8470 - 30+00W, 8+20N, South Grid. Quartz Sericite Schist. Greenish shade to clast material with 2-3% dissem. pyrite.

Au 137 ppb

8471 - 32+00W, 11+10N, South Grid. Highly sheared and oxidized Quartz Sericite Schist exposed by stripping. Scattered pseudomorphs after pyrite.

Au 182 ppb

8472 - 32+00W, 9+20N, South Grid. Crenulated Quartz Sericite Schist with dissem. pyrite to about 5%.

Au 220 ppb

8473 - 32+00W, 8+80N, South Grid. Crenulated Quartz Sericite Schist, as 8472. Disseminated pyrite est. at about 2%.

Au 317 ppb

8474 - 34+00W, 12+00N, South Grid. Mineralized Quartz Sericite Schist as Sample No. 8469.

Au 241 ppb

8475 - 35+90W, 7+50N, South Grid. Quartz Chlorite Carbonate Schist wi. siliceous bands and some quartz carbonate veinlets. Low dissem. pyrite.

Au 300 ppb

8476 - 38+30W, 11+80N, South Grid. Quartz Sericite Schist. Dissem. pyrite to about 2%. Small outcrop close to stripped area.

Au 597 ppb

8477 - 40+50W, 13+50N, South Grid. Quartz Sericite Schist wi. low dissem. pyrite. Rock pink in color with possible amphibolitic flakes on shear planes. Area previously stripped and a value of 1680 ppb Au reported from location.

Au 455 ppb

8478 - 36+50W, 17+80N, South Grid. Cherty Amphibole Schist, 2-3% dissem. pyrite. Exposure on small island at lakeshore.

Au 161 ppb

8479 - 36+85W, 11+30N, South Grid. Quartz Sericite Schist wi. dissem. pyrite to about 2%.

Au 297 ppb

- 8480 - 24+50W, 5+50N, South Grid. Quartz Sericite Schist, pinkish in color with low dissem. pyrite.  
Au 383 ppb
- 8481 - 20+00W, 6+00N, South Grid. Quartz Sericite Schist. Highly siliceous with 1-2% dissem. pyrite.  
Au 322 ppb
- 8482 - 22+00W, 6+50N, South Grid. Quartz Sericite Schist, as Sample No. 8481.  
Au 375 ppb
- 8483 - 22+00W, 5+50N, South Grid. Quartz carbonate vein in Quartz Sericite Schist with low dissem. pyrite.  
Au 253 ppb
- 8484 - 22+00W, 5+50N, South Grid. Quartz Sericite Schist from same location as Sample 8483. Rock highly siliceous with traces of fine pyrite.  
Au 303 ppb
- 8485 - 0+20W, 7+90N, South Grid. Cherty Amphibole Schist. Sample includes a 1" amphibolite clast with some coarse pyrite aggregates at margins.  
Au 542 ppb
- 8486 - 4+20W, 10+80N, South Grid. Cherty Amphibole Schist, gray to pink in color with some minor quartz veining. Rock is hard and highly siliceous. Possibly a trace of pyrite.  
Au 463 ppb
- 8487 - 4+00W, 13+50N, South Grid. Dark siliceous Siltstone with some pyrite along bedding planes.  
Au 595 ppb
- 8488 - 11W Trench Area, North Grid (New Trench, 9+70W, 9+30N). Siliceous Sericitic Schist. Rock dark gray in color with pyrite on shear planes at 2-3%.  
Au 444 ppb
- 8489 - 11W Trench Area, North Grid (W Ext. of Main Trench, 10+95W, 9+20N). Siliceous Sericitic Schist, gray-green in color with low dissem. pyrite.  
Au 360 ppb

- 8490 - 11W Trench Area, North Grid (W. Ext. of Main Trench, 11+10W, 9+10N).  
Siliceous Sericitic Schist, greenish in color with dissem. pyrite to 2%.  
Au 245 ppb
- 8491 - 11W Trench Area, North Grid (S. Ext. of Main Trench, 11+07W, 8+95N).  
Siliceous Sericitic Schist, reddish alteration, dissem. pyrite 3-4%.  
Au 200 ppb
- 8492 - 11W Trench Area, North Grid (NE Ext. of Main Trench, 10+75W, 9+25N).  
Siliceous Sericitic Schist, gray with dark clots, pyrite dissem. at 3%.  
Au 183 ppb
- 8493 - 11W Trench Area, North Grid (New trench, 10+75W, 8+95N). Siliceous  
Sericitic Schist, light gray, dissem. pyrite to 2-3%.  
Au 222 ppb
- 8494 - 11W Trench Area, North Grid (New trench, 10+40W, 8+80N). Siliceous  
Sericitic Schist, gray with dark clots, pyrite dissem. to 5%.  
Au 307 ppb
- 8495 - 34+00W, 12+00N, South Grid. Quartz Sericite Schist, pink color, cherty  
clasts. Dissem. pyrite to 3-4%. Stripped area.  
Au 377 ppb
- 8496 - 34+00W, 12+00N, South Grid. Quartz Sericite Schist, greenish clast material  
with dissem. pyrite to about 3%. Stripped area.  
Au 240 ppb
- 8497 - 34+00W, 12+00N, South Grid. Chlorite Schist material with dissem. pyrite  
to 3%. From north contact of the Quartz Sericite Schist in the stripped  
area.  
Au 275 ppb
- 8498 - 39+90W, 7+60N, South Grid. Quartz Sericite Schist with trace of pyrite.  
Au 35 ppb
- 8499 - 3+80W, 13+00N, South Grid. Unmineralized cherty schist, possibly a variant  
of Siltstone.  
Au 31 ppb

8500 - 4+20W, 10+80N, South Grid. Cherty Amphibole Schist, gray, very hard and unmineralized.

Au 22 ppb

8501 - 0+80E, 6+80N, South Grid. Cherty Amphibole Schist. Dissem. magnetite 1-2%.

Au 26 ppb

8502 - 0+30E, 5+80N, South Grid. Cherty Amphibole Schist. Dissem. magnetite to about 2%.

Au 20 ppb

8896 - 34+00W, 12+00N, South Grid. Quartz Sericite Schist with about 2% dissem. pyrite. 458.1 gm. sample was finely crushed and leached in a 1 litre solution of 1% CN and 2% NaOH. The solution was then analyzed.

Au 60 ppb, Cu 4.4 ppm, Pb 1.0 ppm, Zn 1.0 ppm, Ag 0.6 ppm

Normal AA analysis of the same sample material gave the following result:

Au 41 ppb, Cu 24 ppm, Pb 18 ppm, Zn 8 ppm, Ag 2.5 ppm

8897 - 34+00W, 12+00N, South Grid. Quartz Sericite Schist, mainly greenish clast material with 2-3% dissem. pyrite. 465.9 gm. sample was finely crushed and leached in a 1 litre solution of 1% Cn and 2% NaOH. The solution was then analyzed.

Au 41 ppb, Cu 13.6 ppm, Pb 0.6 ppm, Zn 0.4 ppm, Ag 0.2 ppm

Normal AA analysis of the same sample material gave the following result:

Au 39 ppb, Cu 39 ppm, Pb 20 ppm, Zn 3 ppm, Ag 0.8 ppm

8898 - 11W Trench Area, North Grid (10+95W, 9+13N). Siliceous Sericitic Schist with fine dissem. yellow pyrite to about 3%. 449.5 gm. sample was finely crushed and leached in a 1 litre solution of 1% CN and 2% NaOH. The solution was then analyzed.

Au 40 ppb, Cu 3.4 ppm, Pb 0.8 ppm, Zn 0.4 ppm, Ag 0.3 ppm

Normal AA analysis of the same sample material gave the following result:

Au 40 ppb, Cu 23 ppm, Pb 8 ppm, Zn 8 ppm, Ag 0.4 ppm

APPENDIX III

Certificates Of Analysis, 1992

CHAUNCEY ASSAY LABORATORIES LTD.

33 Chauncey Avenue, Toronto, Ontario M8Z 2Z2  
Tel: (416) 239-3527 FAX: (416) 239-4012

CERTIFICATE OF ANALYSIS

*KASHAWDOGAMA PROPERTY  
SAMPLES, JUNE, 1992*

*LM*

SUBMITTED BY: G.M. HOGG & ASSOCIATES LTD

CERTIFICATE NO: HA-31

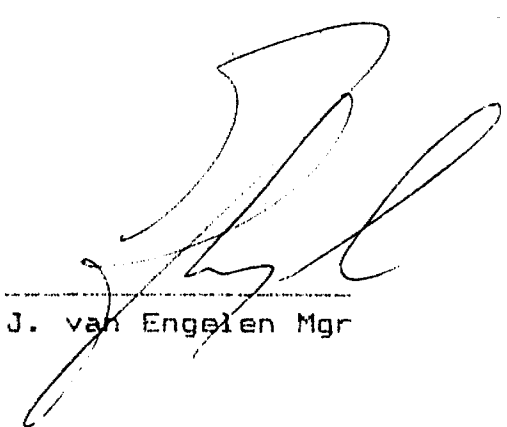
DATE: JUNE 26, 1992

ATTENTION: MR G.M. HOGG

DATE RECEIVED: JUNE 23, 1992

SAMPLES OF: ROCKS

SAMPLE NO:	Au ppb	Cu ppm	Pb ppm	Zn ppm
8443	19	33	27	24
8444	21	32	34	15
8445	29	24	18	26
8446	20	17	23	12
8447	24	24	16	31
8448	18	12	12	12
8449	19	16	12	10
8450	38	53	42	44
8451	31	78	41	51
8452	24	50	43	49
8453	31	30	34	43
8454	23	28	29	44
8455	15	91	46	24
8456	19	26	22	12
8457	27	33	31	32
8458	23	86	18	10
8459	19	36	28	30

  
J. van Engelen Mgr

CHAUNCEY ASSAY LABORATORIES LTD.

33 Chauncey Avenue, Toronto, Ontario M8Z 2Z2  
Tel: (416) 239-3527 FAX: (416) 239-4012

CERTIFICATE OF ANALYSIS

SUBMITTED BY: G.M. HOGG & ASSOCIATES LTD

CERTIFICATE NO: HA-33 DATE: JUNE 30, 1992

ATTENTION: MR G.M. HOGG

DATE RECEIVED: JUNE 29, 1992 SAMPLES OF: ROCKS

SAMPLE NO:	Au ppb	Cu ppm	Pb ppm	Zn ppm
8461	90	112	483	20
8462	.44 oz/ton	54	104	47
8463	241	42	76	28
8464	81	64	53	45
8465	101	100	61	44
8466	49	20	23	10



J. van Engelen Mgr



CHAUNCEY ASSAY LABORATORIES LTD.

33 Chauncey Avenue, Toronto, Ontario M8Z 2Z2  
Tel: (416) 239-3527 FAX: (416) 239-4012

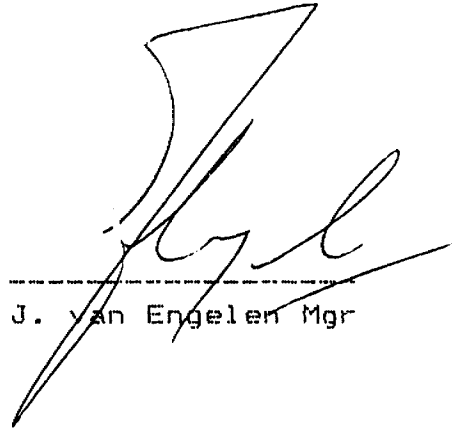
CERTIFICATE OF ANALYSIS

CERTIFICATE NO. HA-34 DATE: AUGUST 27, 1992  
SUBMITTED BY: HOGG AND ASSOCIATES LTD  
ATTENTION: MR. HOGG  
DATE RECE AUGUST 25, 1992 SAMPLES OF: ROCKS

SAMPLE NO. : Au

8467 .15 oz/ton

8468 290 ppb

  
-----  
J. van Engelen Mgr

CHAUNCEY ASSAY LABORATORIES LTD.

33 Chauncey Avenue, Toronto, Ontario M8Z 2Z2  
Tel: (416) 239-3527 FAX: (416) 239-4012

CERTIFICATE OF ANALYSIS

SUBMITTED BY: G.M. HOGG + ASSOCIATES LTD

CERTIFICATE NO: HA-35 DATE: SEPTEMBER 29, 1992

ATTENTION: MR. HOGG

DATE RECEIVED: SEPTEMBER 23, 1992 SAMPLES OF: ROCK

SAMPLE NO. : 8469

Au ppb \*\*  
100  
1800  
110  
115

Ag ppm 5 ppm

Cu ppm 240 ppm

Pb ppm 51 ppm

Zn ppm 101 ppm

\*\* SPORATIC Au EXPECTED



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J. van Engelen Mgr

CHAUNCEY ASSAY LABORATORIES LTD.

33 Chauncey Avenue, Toronto, Ontario M8Z 2Z2

Tel: (416) 239-3527

FAX: (416) 239-4012

CERTIFICATE OF ANALYSIS

SUBMITTED BY: GLEN M. HOGG. & ASSOCIATES

CERTIFICATE NO: HA-37

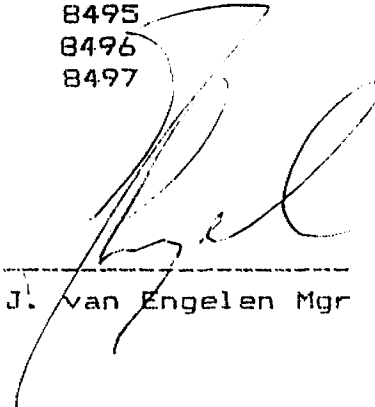
DATE: OCTOBER 02, 1992

ATTENTION: MR GLEN M. HOGG

DATE RECEIVED: SEPTEMBER 30, 1992

SAMPLES OF: ROCKS

SAMPLE NO:	Au ppb	SAMPLE NO:	Au ppb
8470	137	8484	303
8471	182	8485	542
8472	220	8486	463
8473	317	8487	595
8474	241	8488	444
8475	300	8489	360
8476	597	8490	245
8477	455	8491	200
8478	161	8492	183
8479	297	8493	222
8480	383	8494	307
8481	322	8495	377
8482	375	8496	240
8483	253	8497	275



J. van Engelen Mgr

CHAUNCEY ASSAY LABORATORIES LTD.

33 Chauncey Avenue, Toronto, Ontario M8Z 2Z2  
Tel: (416) 239-3527 FAX: (416) 239-4012

CERTIFICATE OF ANALYSIS

SUBMITTED BY: G.M. HOGG + ASSOCIATES LTD  
CERTIFICATE NO: HA-36 DATE: OCTOBER 5, 1992  
ATTENTION: MR. HOGG  
DATE RECEIVED: SEPTEMBER 30, 1992 SAMPLES OF: ROCKS

CN- LEACH  
-----

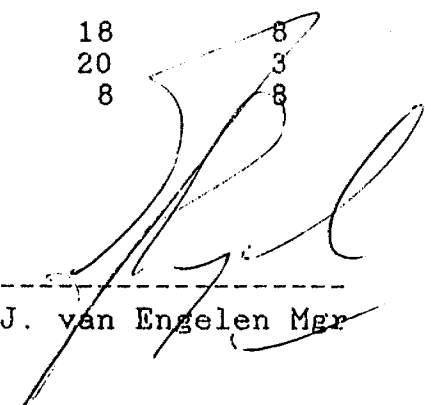
8896 458.1 GM IN 1 LITRE SOLUTION 1% CN, 2% NaOH  
8897 465.9 GM " "  
8898 449.5 GM " "

ANALYSIS - LEACH SOLUTIONS  
-----

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
8896	60	.6	4.4	1.0	1.0
8897	41	.2	13.6	.6	.4
8898	40	.3	3.4	.8	.4

ANALYSIS - AQUA REGIA  
-----

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
8896	41	2.5	24	18	8
8897	39	.8	39	20	3
8898	40	.4	23	8	8

  
-----  
J. van Engelen Mgr

CHAUNCEY ASSAY LABORATORIES LTD.

33 Chauncey Avenue, Toronto, Ontario M8Z 2Z2  
Tel: (416) 239-3527 FAX: (416) 239-4012

CERTIFICATE OF ANALYSIS

SUBMITTED BY: G.M. HOGG + ASSOCIATES LTD

CERTIFICATE NO: HA-38

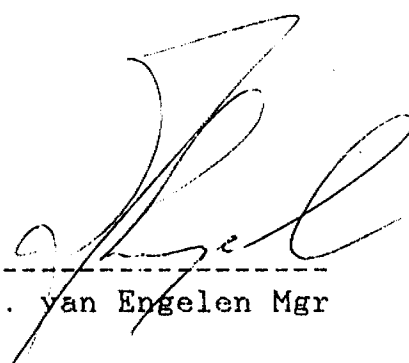
DATE: OCTOBER 7, 1992

ATTENTION: MR. HOGG

DATE RECEIVED: OCTOBER 5, 1992

SAMPLES OF: ROCK

SAMPLE NO.:	Au ppb
8498	35
8499	31
8500	22
8501	26
8502	20



-----  
J. van Engelen Mgr

APPENDIX IV

Analytical Invoices, 1992

INVOICE  
A 3118



33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2  
TELEPHONE (416) 230-3827 • FAX (416) 230-4012

DATE: 26 06 92

SOLD TO: G.M. Hogg + Associates Ltd  
28 Thompson Avenue  
Toronto, Ontario  
M8Z 3T3  
Att'n: Mr. G. Hogg.

DUE UPON RECEIPT

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
17	Assays Au on Rocks	\$ 8.75	\$148.75
17	Assay Cu on Rocks	\$ 4.50	\$ 76.50
17	Assays Pb, Zn on Rocks	\$ 7.00	\$119.00
17	Assay Prep	\$ 3.75	\$ 63.75
Cert. NO. HA-31 Jun. 25, 92.			
SAMPLES: 8443 to 8459. <i>K. H. S. J. 1992</i>			
Thank You!		Subtotal:	\$408.00
GST NO.: R123217001		GST @ 7%:	28.56
		***Total:	\$436.56

MINING - METALLURGICAL - ENVIRONMENTAL - I.C.P. MULTI-ELEMENT ANALYSIS

\*\*\* PLEASE KINDLY MAKE PAYABLE TO: CHAUNCEY ASSAY LABORATORIES LTD

INVOICE  
A 3135



33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2  
TELEPHONE (416) 230-3827 • FAX (416) 230-4012

DATE: 30 06 92

SOLD TO: G.M. Hogg + Associates Ltd  
28 Thompson Avenue  
Toronto, Ontario  
M8Z 3T3  
Att'n: Mr. G.M. Hogg.

DUE UPON RECEIPT

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
6	Assays Au on Rocks	\$ 8.75	\$ 52.50
6	Assays Cu on Rocks	\$ 4.50	\$ 27.00
6	Assays Pb, Zn on Rocks <i>Kashawogama Samples</i>	\$ 7.00	\$ 42.00
6	Sample Prep <i>P. J. July 31/92</i>	\$ 3.75	\$ 22.50
1	Assay Graphitic Carbon on Fractions <i>l.c.s.</i>	\$ 45.00	\$ 45.00
Cert. No. HA-33 JUN. 30, 92. HA-32.			
SAMPLES: 8461-8466, 8460.		Subtotal:	\$189.00
GST NO.: R123717001		GST @ 7%:	13.23
		***Total:	\$ 202.23

MINING - METALLURGICAL - ENVIRONMENTAL - I.C.P. MULTI-ELEMENT ANALYSIS

\*\*\* PLEASE KINDLY MAKE PAYABLE TO: CHAUNCEY ASSAY LABORATORIES LTD

\* - SAMPLE NOT FROM KASHAWOGAMA PROPERTY. BILLING REDUCED BY \$48.15 (COST \$45.00 + GST \$3.15) TO \$154.08

A3251



33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

**SOLD TO**

G. M. Hogg + Associates Ltd  
 28 Thompson Avenue  
 Toronto, Ontario  
 M8Z 3T3.  
 Att'n: Mr. G.M. Hogg.

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DATE: AUGUST 27, 1992

DUE UPON RECEIPT

DATE	SHIPPED VIA	FED. LICENSE NO.	PROV. LICENSE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS	SALES REP.
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
2	Assays Au on rocks					\$ 8.75	\$ 17.50
2	Sample Prep on Rocks					\$ 3.75	\$ 7.50
Cert. No. HA-34 Aug. 27.92.							
SAMPLES: 8467,8468.							
Thank You! <i>Pd. Aug 31/92</i>							
						Subtotal:	\$ 25.00
GST NO.: R123717001						GST @ 7%:	1.75
						*** Total:	\$ 26.75
*** PLEASE KINDLY MAKE PAYABLE TO: CHAUNCEY ASSAY LABORATORIES LTD							

INVOICE

A3327



33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

**SOLD TO**

G.M. HOGG + ASSOCIATES LTD  
 28 Thompson Avenue  
 Toronto, Ontario  
 M8Z 3T3

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DATE: SEPTEMBER 30, 1992

DUE UPON RECEIPT

DATE	SHIPPED VIA	FED. LICENSE NO.	PROV. LICENSE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS	SALES REP.
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
1	Assay Free Au on Rock					\$ 25.00	\$ 25.00
1	Assay Ag on Rock					\$ 4.50	\$ 4.50
1	Assay Cu,Pb,Zn on Rock					\$ 10.50	\$ 10.50
1	Sample Prep					\$ 3.75	\$ 3.75
Cert. No. HA-35							
SAMPLE: 8469							
						Subtotal:	\$ 43.75
GST NO.: R123717001						GST @ 7%:	3.06
						*** Total:	\$ 46.81
*** PLEASE KINDLY MAKE PAYABLE TO: CHAUNCEY ASSAY LABORATORIES LTD							

INVOICE



**A3349**

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

**SOLD TO**G.M. Hogg + Associates  
28 Thompson Avenue  
Toronto, Ontario  
M8Z 3T3  
Att'n: Mr. G.M. HoggS  
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ODATE: OCTOBER 5, 1992  
DUE UPON RECEIPT

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALES REP.
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
28	Assays Au on Rocks					\$ 8.75	\$245.00
28	Sample Prep on Rocks					\$ 3.75	\$105.00
	Cert. No. HA-37						
	SAMPLES: 8470 TO 8497.						
	Thank You!						
						Subtotal:	\$350.00
	GST NO. R123717001					GST @ 7%:	24.50
						*** Total:	\$374.50
*** PLEASE KINDLY MAKE PAYABLE TO: CHAUNCEY ASSAY LABORATORIES LTD							

INVOICE

**A3350**

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

**SOLD TO**G.M. HOGG + Associates Ltd  
28 Thompson Avenue  
Toronto, Ontario  
M8Z 3T3  
Att'n: Mr. G.M. Hogg.S  
H  
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ODATE: OCTOBER 6, 1992  
DUE UPON RECEIPT

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALES REP.
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
3	Cyanide Leaches and Assays					\$ 50.00	\$150.00
	Cert. No. HA-36						
	SAMPLES: 8896, 8897, 8898.						
	Thank You!						
						Subtotal:	\$ 150.00
	GST NO. L R123717001					GST @ 7%:	10.50
						*** Total:	\$ 160.50
*** PLEASE KINDLY MAKE PAYABLE TO: CHAUNCEY ASSAY LABORATORIES LTD							

INVOICE

ANANYTICAL CHEMISTS . ASSAYING . CONSULTING . ORE DRESSING . REPRESENTATION



A3356

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 . TELEPHONE (416) 239-3527

SOLO TO

G.M. Hogg + Associates Ltd  
28 Thompson Avenue  
Toronto, Ontario  
M8Z 3T3  
Att'n: Mr. G.M. Hogg.

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DATE: OCTOBER 7, 1992

DUE UPON RECEIPT

DATE	SHIPPED VIA	FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORD.		
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT
5	Assays Au on Rocks					\$ 8.75	\$ 43.75
5	Sample Prep on Rocks					\$ 3.75	\$ 18.75
	Cert. No. HA-38						
	SAMPLES: 8499 TO 8502.						
	Thank You!						
	Subtotal:						\$ 62.50
	GST NO.: R123717001					GST @ 7%:	4.37
	*** Total:						\$ 66.87

*P. Oct 13 1992  
C.H. = GST  
M.H.*

\*\*\* PLEASE KINDLY MAKE PAYABLE TO: CHAUNCEY ASSAY LABORATORIES LTD

INVOICE

**Report of Work Conducted After Recording Claim**

Transaction Number  
**W9230 - 00059**

Mining Act



900

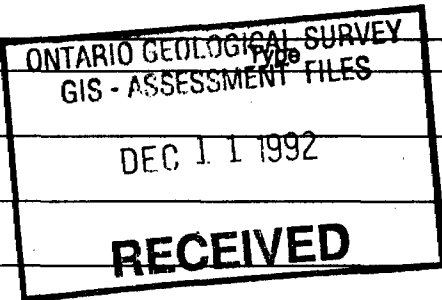
Personal information collected on this form is obtained under the authority of the this collection should be directed to the Provincial Manager, Mining Lands, N Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <b>RAYMOND G. RAMSAY</b>	Client No. <b>185660</b>
Address <b>10 COOK STREET, BARRIE, ONT. L4M 4E9</b>	Telephone No. <b>705-726-8722</b>
Mining Division	Township/Area <b>ARMIT LAKE AREA, GREBE LAKE &amp; McCUBBIN TWP.</b>
Dates Work Performed From: <b>JUNE 15, 1992</b>	To: <b>SEPTEMBER 23, 1992</b>
M or G Plan No. <b>G-1933, G-2053</b>	

**Work Performed (Check One Work Group Only)**

Work Group	
<input type="checkbox"/> Geotechnical Survey	
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input checked="" type="checkbox"/> Assays	<b>SAMPLING AND ASSAYING - TRENCH AREAS AND OUTCROP AREAS (W50)</b>
<input type="checkbox"/> Assignment from Reserve	



MINING RECORDER  
 PATRICIA  
 MINING DIVISION  
 2 DEC 7 4 9: 31

Total Assessment Work Claimed on the Attached Statement of Costs \$ 1613.82 (1614)

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

**Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)**

Name	Address
<b>GLEN M. HOGG</b>	<b>28 THOMPSON AVENUE., TORONTO, ONT. M8Z 3T3</b>

(attach a schedule if necessary)

**Certification of Beneficial Interest \* See Note No. 1 on reverse side**

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <b>Nov 30, 1992</b>	Recorded Holder or Agent (Signature) <b>Raymond Ramsay</b>
--	-----------------------------	---

**Certification of Work Report**

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <b>R.G. RAMSAY, 10 COOK STREET, BARRIE, ONT L4M 4E9</b>		
Telephone No. <b>705-726-8722</b>	Date <b>Nov. 30, 1992</b>	Certified By (Signature) <b>Raymond G. Ramsay</b>

**For Office Use Only**

Total Value Cr. Recorded <b>\$ 1614</b>	Date Recorded <b>07 DEC 92</b>	Mining Recorder <b>R. Myles</b>	Received Stamp <b>RECORDED DEC 07 1992 Receipt 5K</b>
	Deemed Approval Date <b>07 MAR 93</b>	Date Approved <b>07 MAR 93</b>	
	Date Notice for Amendments Sent		



SCHEDULE A

It is requested that assessment work credit claimed be distributed as follows:

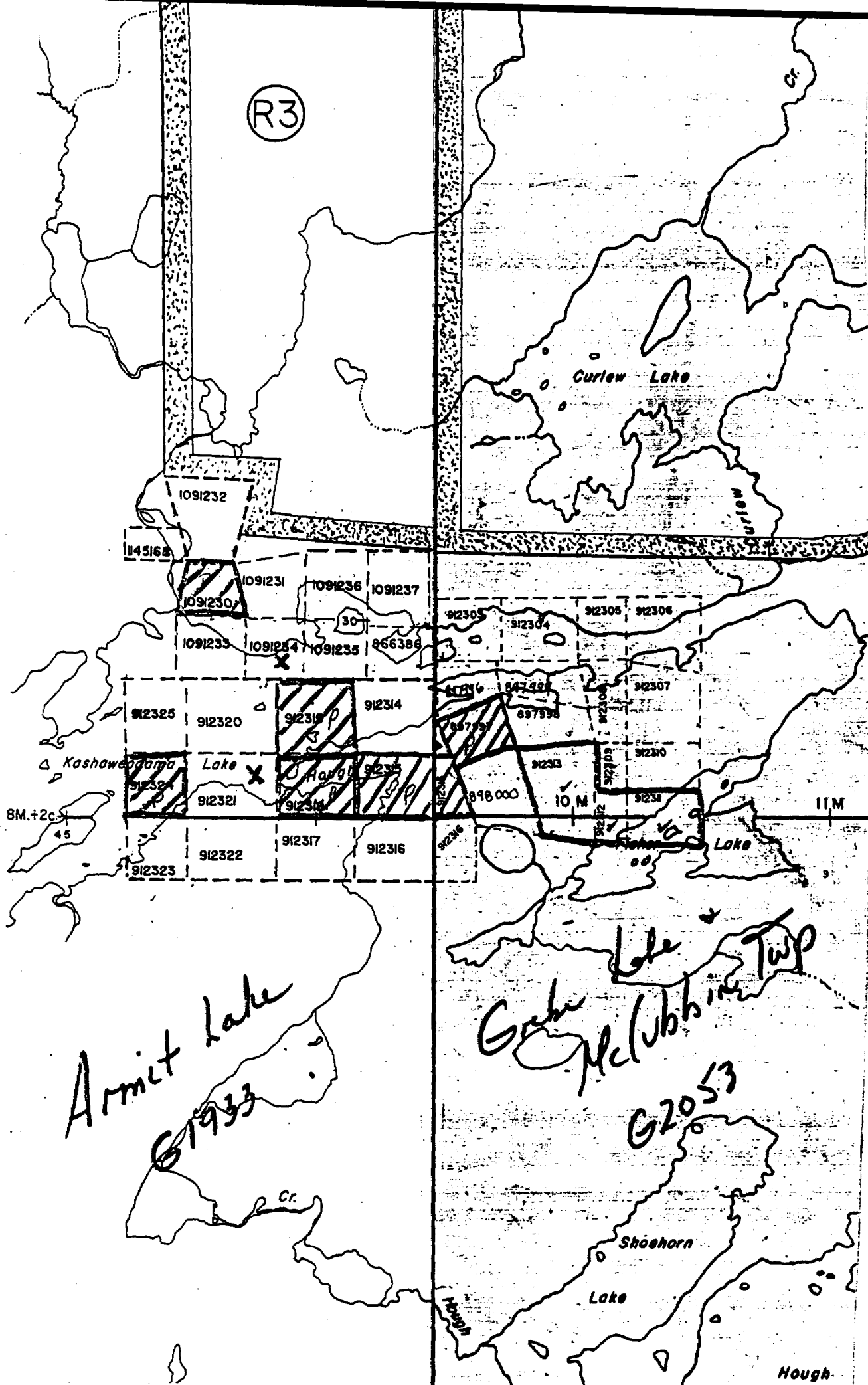
<u>From Claim</u>	<u>To Claim</u>	<u>Amount</u>	<u>Reserve (to be banked)</u>
Pa 1091230 (\$ 581)	Pa 912311	\$ 400	\$ 181
Pa 912324 (\$ 210)	-	-	\$ 210
Pa 912315 (\$ 161)	Pa 912313	\$ 161	-
Pa 912318 (\$ 436)	Pa 912312	\$ 400	\$ 36
Pa 912319 (\$ 48)	-	-	\$ 48
Pa 897997 (\$ 178)	Pa 912313	\$ 164	\$ 14
<hr/>		<hr/>	<hr/>
		\$ 1125	\$ 489

The object of this requested distribution is to bring assessment work on record for claims Pa, 912311, Pa 912312 and Pa 912313 to a level sufficient to meet full requirements until their due date of November 21st in the year 1995.

PAJING RECORDER  
PATRICIA  
PAJING DIVISION

02 DEC 7 09:31

R3



Armit Lake  
61933

Gosh McLibbin Twp  
62053

Hough



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des mines

**Statement of Costs  
for Assessment Credit**

**État des coûts aux fins  
du crédit d'évaluation**

**Mining Act/Loi sur les mines**

Transaction No./N° de transaction  
**W9230-00059**

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente déclaration sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

**1. Direct Costs/Coûts directs**

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type ASSAYING	\$ 1,266.07	
	REPORT PREPARATION	\$ 347.75	
			\$ 1,613.82
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>			<b>\$ 1,613.82</b>

(1614)

**2. Indirect Costs/Coûts indirects**

\*\* Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>		<b>Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)</b>	<b>\$ 1,613.82</b>

(1614)

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

**Filing Discounts**

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	× 0.50 =

**Remises pour dépôt**

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	× 0,50 =

**Certification Verifying Statement of Costs**

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as RECORDED HOLDER I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

**Attestation de l'état des coûts**

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature \_\_\_\_\_ Date Nov. 30, 1992  
Raymond B. Ramsey

G. M. HOGG & ASSOCIATES LTD.

28 THOMPSON AVENUE,  
TORONTO, CANADA M8Z 3T3

TELEPHONE:  
(416) 233-3255

INVOICE

November 20, 1992

Mr. R.G. Ramsay,  
10 Cook Street,  
Barrie, Ontario  
L4M 4E9

STATEMENT OF ACCOUNT

RE: Preparation of Sampling Report, Kashaweogama Property, November, 1992

Professional Fees:

Report Preparation (Nov. 18-20/92), 3 Days @ \$100/day....\$ 300.00

Disbursements:

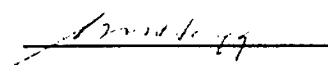
Printing, Xerox Copies, Supplies.....\$ 25.00

Subtotal.....\$ 325.00

G.S.T. @ 7%..... 22.75

Total.....\$ 347.75

Respectfully Submitted,

  
G.M. Hogg, P.Eng.

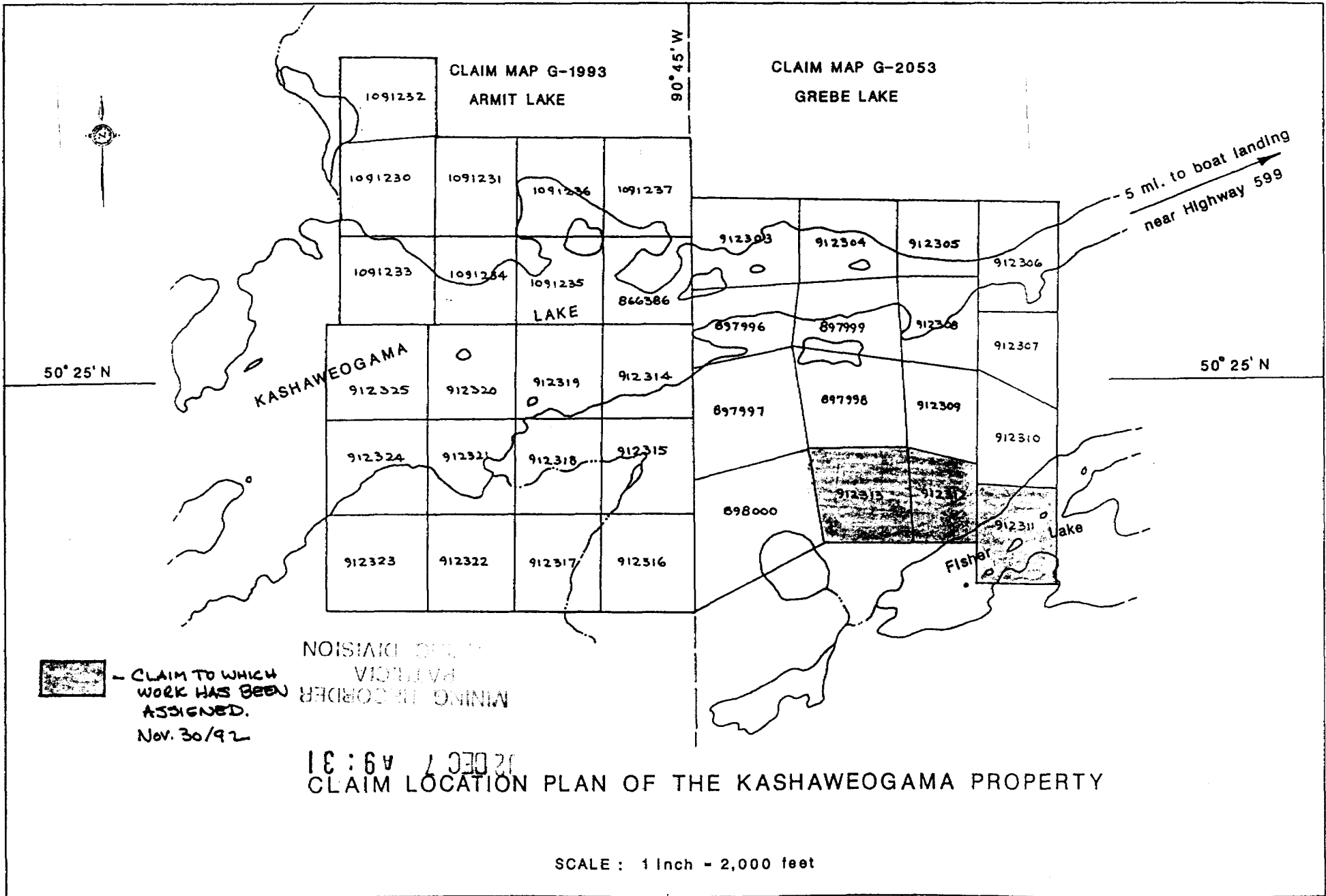
MINING RECORDER  
PATRICIA  
MINING DIVISION

92 DEC 7 19:31

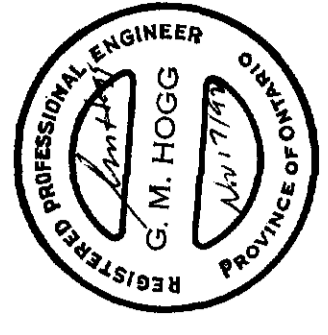
G.S.T. Reg. No. R-102126554

W 9230 - 00059





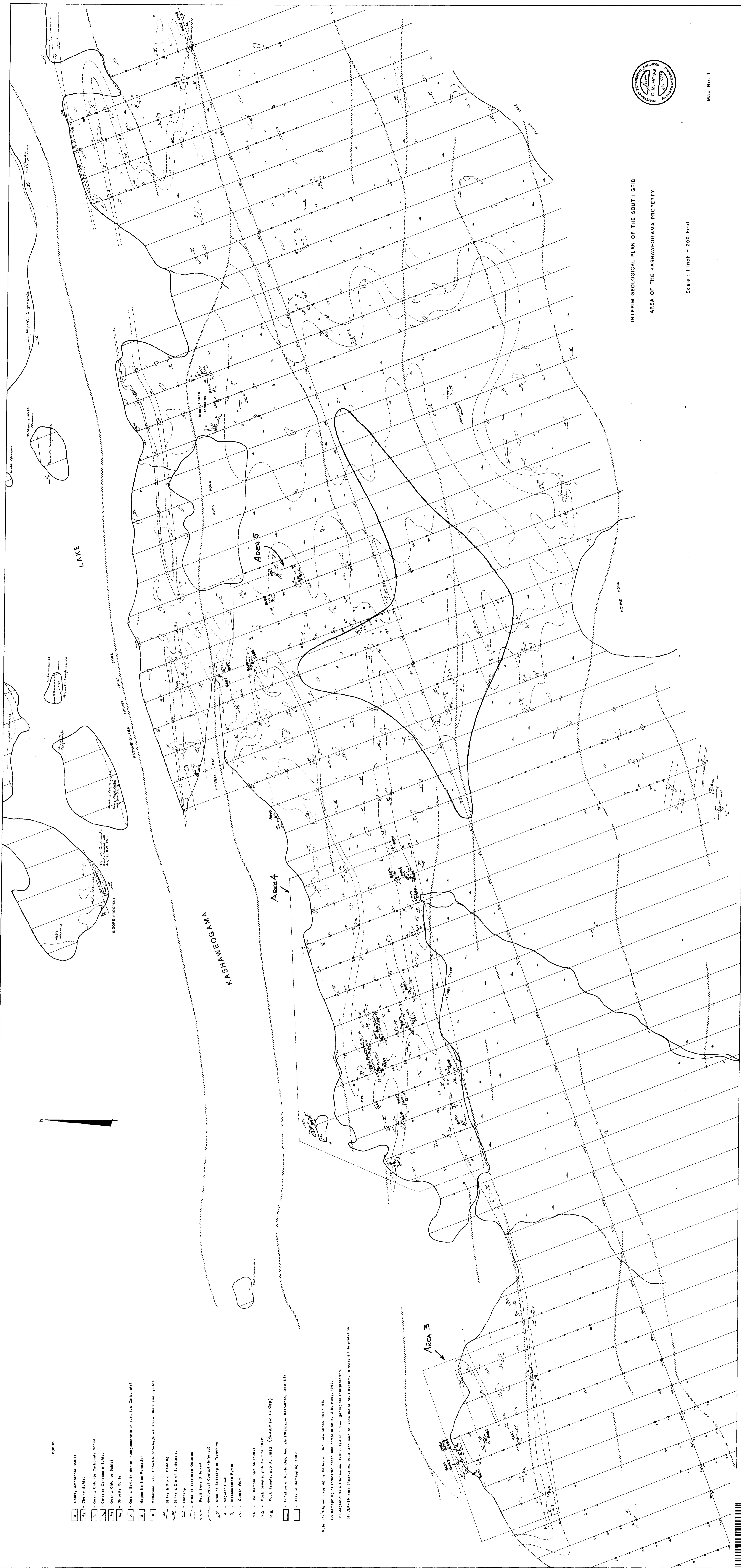
G.M. HOOG & ASSOCIATES LTD.



Map No. 1

INTERIM GEOLOGICAL PLAN OF THE SOUTH GRID  
AREA OF THE KASHAWEGAMA PROPERTY

Scale : 1 inch = 200 Feet



LEGEND

- 1. - Cherty Amphibole Schist
- 2. - Cherty Schist
- 3. - Quartz Chert Carbonate Schist
- 4. - Chert Carbonate Schist
- 5. - Chert Schist
- 6. - Quartz Sericite Schist (Complementary in part, low Carbonate)
- 7. - Magnetite Iron Formation
- 8. - Mudstone (var. Chertic interbeds w/ some Chert and Pyrite)
- 9. - Strike & Dip of Bedding
- 10. - Strike & Dip of Schistosity
- 11. - Outcrop
- 12. - Area of scattered Outcrop
- 13. - Fault Zone (Inferred)
- 14. - Geological Contact (Inferred)
- 15. - Area of Slipping or Tranching
- 16. - Angular Fluct
- 17. - Disconformity Pyrite
- 18. - Quartz Vein

19. - Soil Sample, 1987 Au (1987)  
 20. A. - Rock Sample, 1987 Au (1987)  
 21. A. - Rock Sample, 1987 Au (1987) (Check No. in 1987)  
 22. - Location of Public Gold Anomaly (Separate Resources, 1980-83)  
 23. - Area of Remapping, 1982

Note: (1) Original mapping by Resour. Reg. Lake Mines, 1987-88.  
 (2) Remapping of indicated area and completion by G.M. Hogg, 1992.  
 (3) Magnetic data (Resour., 1988) used in current geological interpretation.  
 (4) N.E.-S.W. data (Resour., 1988) assumed to trace major fault systems in current interpretation.



200

63.6178