

REPORT

on

Prospecting and Mapping

on

TITTLEY Property

and Surroundings

BURROWS Township

2.16319

District of Sudbury

ONTARIO

RECE!

DEC 23 385

(41P/14NW)

MINING LANDS CHANCE

2.153 19 25/3.

H. Z. Tittley P Eng. Qual. #2.95/3.

Oakville, Ontario October 20, 1995

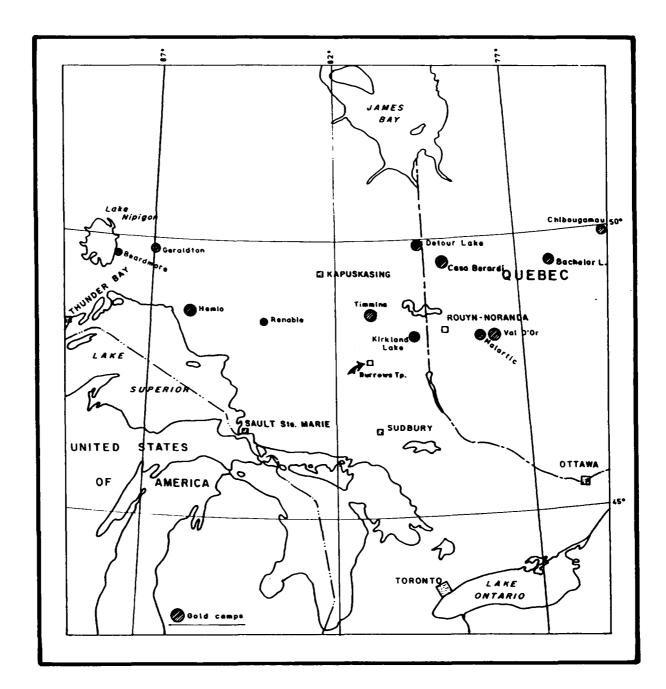




CONTENTS

KEY MAP							
LOCATION MAP							
CLAIM MAP							
INTRODUCTION							
PROPERTY, LOCATION AND ACCESS 2							
PHYSIOGRAPHY							
HISTORY							
GEOLOGY							
ULTRAMAFIC VOLCANIC ROCKS							
STRUCTURE							
METHODS 14 Linecutting 14 Mapping 14 Stripping 15 Trenching 15 RESULTS 15 RECOMMENDATIONS 17 REFERENCES i LIST of SAMPLES							
ASSAY CERTIFICATES							
MAPS							
Plan A (Stripping Sites) in back pocket							
Plan B (Compilation) in back pocket							

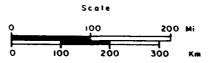
Plan C (Traverses) in back pocket

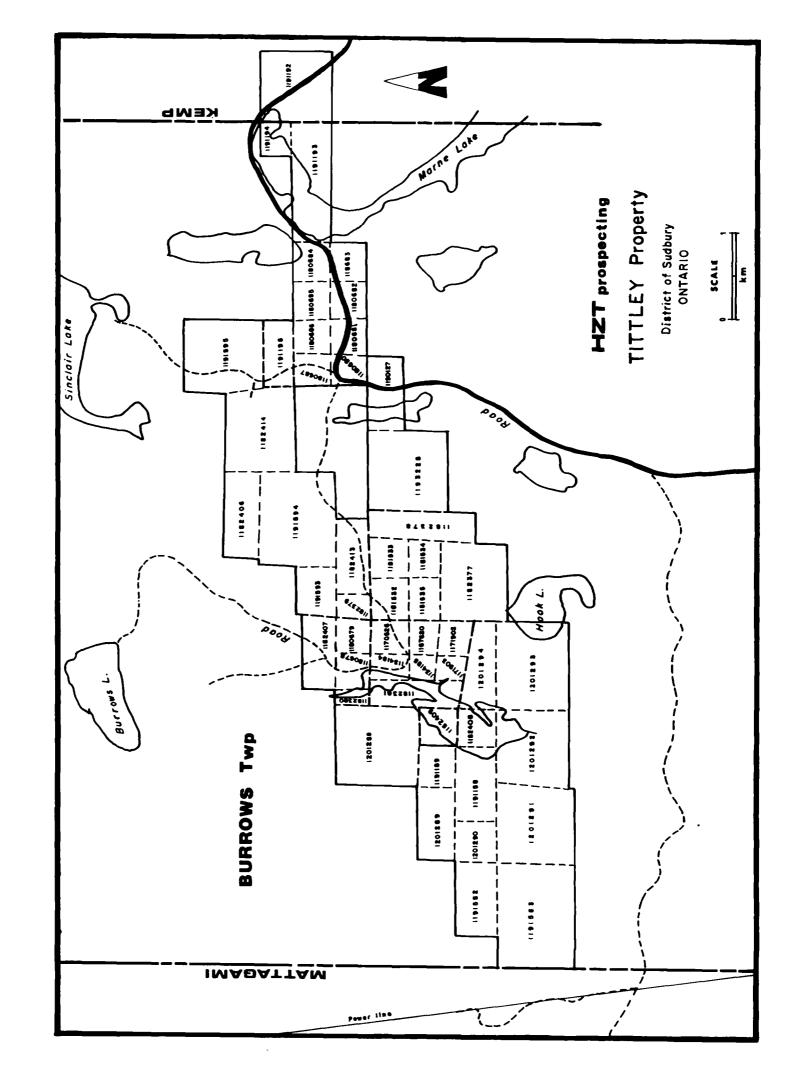


KEY MAP

TITTLEY Property

Burrows Township Larder Lake Mining Division ONTARIO





Prospecting and Mapping TITTLEY Property and Surroundings BURROWS Township ONTARIO

INTRODUCTION

The 1800 hectare Burrows Township property of H.Z. Tittley contains several gold occurrences and very rich gold-bearing floats. Previous mineral exploration on these claims ranges from limited to nil. Because of the paucity of outcrop, exposing, mapping, and sampling more of the bedrock is considered an essential and cost-effective initial phase of mineral exploration. With many low vegetated ridges, the area is particularly suited for this type of work.

The bedrock was exposed by stripping at 21 new locations and mapped and sampled at a total of some 80 sites. Around 85 kilometres of traverses were run with the help of all-terrain vehicles, boats, and snowmobiles. Stripping, drilling, blasting, mapping, and sampling were carried out between late 1993 and the summer, 1994.

Excluding one hole drilled under the North Pond, all remaining 3,300 m of diamond drilling, so far, was carried out within 700 m east of the north end of Jumping Moose Lake. Within this area, 70% of the drilling was done on only 2 hectares in attempts to locate the source of the rich gold floats.

PROPERTY, LOCATION and ACCESS

H. Z. Tittley of Oakville Ontario is the recorded holder of 51 contiguous claims, consisting of 105 units, located in Burrows and Kemp Townships in north-eastern Ontario. The area lies within the District of Sudbury, and the Larder Lake Mining Division. The property forms an irregular block that extends diagonally across the entire central part of Burrows and the adjoining Kemp Township to the east.

Burrows Township is located 24 km northeast of Gogama, 76 km south of Timmins and 150 km north of Sudbury. During most of the year the property can be reached by road from the Watershed on Highway 144, Elk Lake on Highway 560 or from Timmins via the Grassy Lake road. There is good winter access along a system of groomed snowmobile trails, but it is limited to light equipment, and requires crossing Mattagami Lake.

Fixed-wing aircraft, available for charter in Gogama and at Marquette Lake near Highway 144, can light on Jumping Moose Lake, in central Burrows.

PHYSIOGRAPHY

Central Burrows is nearly evenly divided between glacial debris, protruding rocky ridges, and wet lowlands and lakes. Glacial material is mostly sand and gravel in the form of eskers and outwash plains. Except for occasional bare spots, the rocky ridges are, in many places, covered by a veneer of roots and moss. Spruce-larch muskegs and alder-cedar swamps occupy the forested lowlands while the open section are mainly grass and alder meadows. Elevation attaining 65 m above the plain can be found along the rocky ridges as well as the esker ridges.

The area lies at the head of the James Bay watershed. The western part of the property drains north into Mattagami Lake and Mattagami River, while in the eastern part, the waters flow into the Grassy River before reaching the Mattagami, near Timmins.

Except for the open muskegs and grassy meadows, the surface is well forested with a 45 year growth. Good stands of jackpine, white pine, and rarer red pine dominate the sandy areas, while alder, cedar, ash and spruce are mainly confined to swamps.

HISTORY

Reconnaissance geological investigations were conducted by Parks in 1900 and Coleman in 1901. Systematic mapping of Burrows, Kemp, Mond, Cabot, Kelvin, and Natal townships was carried out by F.L. Finlay in 1925 and reported on by T.L. Gledhill in 1926. In 1975, N.W. Carter mapped in Cabot and Kelvin. A final geological report was published in 1986 by the Ontario Geological Survey. The data were later incorporated in a map of the Shining Tree Area at a scale of 1:50,000 and released by the OGS in 1987.

Most of Burrows township is covered by an extensive airborne aeromagnetic/electromagnetic survey flown for the Provincial Government in 1989, and published in the fall 1990.

After the discovery of gold in 1950, the northeast side of Jumping Moose Lake was staked. In 1951, the property was optioned to the Dominion Gulf Co. who carried out geophysical and geological surveys, followed by trenching and 4 diamond drilling holes. At the time of these operations, the property was visited by the Resident Geologist for Kirkland Lake.

In 1971, Canex Aerial Exploration optioned a property from B.D. Sirola. According to their report, they conducted ground magnetic surveys to outline ultramafic units associated with iron-formation.

In 1974, Hollinger Mines optioned certain claims and staked several, to form a rectangular block located northeast of Jumping Moose Lake. The area surrounding the rich gold-floats was geophysically surveyed, and the rest of property was prospected and mapped along widely spaced (518 m) lines. Four drill holes were sunk, in the detail area, in the fall of 1975.

In 1979, the Sirolas and Karvinen acquired 16 claims in the area of the rich floats. The following year, in the hope of locating the source, they carried out detail overburden and bedrock investigations.

Newmont optioned the property in 1981, and added some 125 claims to form a contiguous block extending from the southwest corner of Kemp Township, through central burrows, to the southwest township corner. The initial program of linecutting, ground geophysics, and basal till sampling was followed by a winter program that included lakes and ponds. The work which included I-P, resistivity, and H.E.M. surveys was completed the following summer. Diamond drilling of three holes on the present property was part of a larger program carried out at this time, and completed the next summer, in the southwest corner of the township. Approximately 240 km of grid lines were established of which 25% are on the present group of claims. The grid lines are 100, 200, and rarely 50 m apart.

By 1987, Argentex Resource held 127 claims that covered the northeast side of Jumping Moose Lake. Work, however, was limited to only 4 claims surrounding the main gold floats. It consisted of geological mapping, humus sampling, and the diamond drilling of 10 holes totalling 1227 metres.

In February 1988, an airborne magnetic/electromagnetic survey, covering the northeast part of the present property, was flown for Ingamar Exploration of Connaugt, Ontario.

Ground acquisition for the present property began in the fall 1990. A block of 4 claims was staked in the main gold-float area on the day following their expiry after 11 years of record. Additional claims were staked in late fall, and again in the spring and fall of 1991, and the summers of 1992 and 1993. The northeast part of the property, was staked upon expiry in March 1994. Two claims totalling eight units were also staked at the western end, to extend the property to the west township boundary.

HZT prospecting of Oakville, Ontario was responsible for all phases of exploration. Work has been concentrated mainly around Jumping Moose Lake. The area was photogrametrically mapped in the spring, of 1991, followed by detailed magnetic and geological surveys in the fall. A second grid of lines was established in 1992 and detailed magnetic and induced-polarization surveys were performed to examine the mineralized zones that lie up-ice from the rich gold-floats. These results were used to guide a diamond drill program carried out in the fall, 1993. After ten holes, exploration efforts were diverted to a high-grade quartz vein on the west side of Jumping Moose Lake. This showing, along with two other economic gold occurrences, was examined as part of the present project.

GEOLOGY

Burrows Township lies within the Archean Abitibi Greenstone Belt of the Superior Province of the Canadian Precambrian Shield. The area is at the north end of the Shining Tree Belt and immediately south and east of a 3514 km² granitoid terrain. Late Huronian Supergroup sediments cover the Early Archean rocks in the townships to the east. The supracrustal sequences of volcanic and intrusive rocks are cut by mafic dikes, and all formations are cut by northeast diabase dikes.

The following is a list of lithological units for central Burrows Township

LITHOLOGIES of CENTRAL BURROWS Twp.

PALEOPROTEROZOIC

NIPISSING INTRUSIVE ROCKS Diabase

LATE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS
Diabase, mafic dikes

MIDDLE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS
Diabase, lamprophyre, mafic syenite

EARLY PRECAMBRIAN

FELSIC INTRUSIVE ROCKS
Granite, aplite, felsite, and quartz
Blue quartz-eye porphyry, syenite, lamprophyre

MAFIC INTRUSIVE ROCKS Aphanitic dike, with glassy shards

Lamprophyre, carbonatized lamprophyre Gabbro (mainly interflow)

ULTRAMAFIC INTRUSIVE ROCKS Peridotite

CHEMICAL SEDIMENTARY ROCKS

Silica-rich pyritic iron-formation
Quartz-carbonate-magnetite iron-formation
Sulphide iron-formation

FELSIC EXTRUSIVE ROCKS

Massive rhyolite, felsic pyroclastic, pyroclastic tuff

INTERMEDIATE VOLCANIC ROCKS

Lapilli tuff, dacite tuff
Felsic to intermediated fragmental
Massive amygdaloidal flow

MAFIC VOLCANIC ROCKS

Mafic flows. pillow lava, mafic blue quartz-eye tuff Medium- to coarse-grained gabbroic flows (hypabyssal) Basalt

ULTRAMAFIC VOLCANIC ROCKS

Peridotite, flow breccia Komatiite The following is a summary of the rock formations encountered on the TITTLEY property and surrounding area.

ULTRAMAFIC VOLCANIC ROCKS

Komatiitic rocks are reported in diamond drill holes sunk by previous operators. There is surface evidence for such rocks in a trench behind the upper campsite on Jumping Moose Lake. The spinifex-textured talc-chlorite schist is thought to be an altered ultramafic flow.

In 1981 Newmont Exploration mapped "komatiitic metavolcanic rocks" across a width of 500 m and an open strike length of 1600 m, within 1500 m southeast of the present property. Because of the equivocalness shown by the widely conflicting strikes between the ultramafics and the volcanic stratigraphy, there is a strong possibility that the formation is an altered peridotite.

MAFIC VOLCANIC ROCKS

Though no basaltic rocks were recognized during the field work, Newmont identified calc-alkalic basalts through their 1982 analytical work.

Rocks of andesitic composition occur as massive, foliated, regionally altered, amphibolitized, and interflows, in central Burrows. The more massive and least altered of these rocks are mostly present inside the fold structure east of Jumping Mouse Lake. Green foliated rocks occur primarily between, and adjacent to, the bands of iron-formation. Somewhat paradoxically, the foliation is usually vertical and can be seen only in broken rock or on a cliff face. In contrast, the regionally altered basic rocks have strong surface lineations suggestive of interbedding. The composition appears more dacitic where consecutive paler beds have formed. These rocks are confined to the area immediately south of the east-west fault that separates the two major bands of iron-formation. Amphibolitized volcanics is just a term that identifies a group of coarse-textured rocks that are derived from mafic flows. Epidotitic sections are common. Where they are feldspathized, the colours vary from reddishpink to deep bottle-green. Most of these rocks were found towards the granodiorite contact to the north, and may have been reworked by the effects of the intrusion. Hypabyssal flows are pervasive in central Burrows. These grey-green medium- to coarse-grained rock are identified as gabbros by many searchers. They are characteristically fresh in appearance, massive, non-magnetic, unmineralized, and only occur in non silicic volcanic rocks.

Mafic blue quartz-eye tuff

This is a hornblende-rich dark-green, weakly mineralized, and moderately magnetic band hat strikes 67 degrees along the central portion of a felsic pyroclastic unit. The band averages 6 m wide and has been drilled and traced for a distance of 380 m. The results of ground magnetic surveys indicate that it can be traced an additional two km east. In 1983, Argentex intersected the band in six diamond drill holes and reported gold values of .006, .007, .008, .01, .03, .05, .08, .14 and .20 ounces of gold per ton either from the dark band or within 7 m to the south. Argentex examined the unit because it was the postulated source of the rich gold-floats, owing to the presence of tiny opalescent blue quartz-eyes that occur in both, the mafic 'tuff' and the rich floats. The average width of the gold intersections is 1.5 m with the better grades located in the adjoining felsic pyroclastic rocks. Though the strike and dip of the Blue Quartz-eye Band are strataform, the writer feels that it may be intruded. In this context, considerable effort was devoted to stripping Site 16, to determine the relationship between the dark band and the iron-formation. Due to a heavy mound of dirt, the examination was not conclusive. Paradoxically, the iron-formation appears to have intruded the felsic volcanics.

INTERMEDIATE VOLCANIC ROCKS

The rocks that are mapped as dacites, on the property, are mostly identified as such because of a colour contrast. Mainly because of alteration, when a felsic rock darkens, it is usually labelled dacite, and conversely, when a mafic rock becomes paler, it is identified as dacite; yet there no relationship between the two. Most of the outcrops along the shores of Marne Lake, however, consist of fresh unaltered amygdaloidal dacite. This is in great contrast to the usually foliated rocks of central Burrows. There is a definite suggestion of a time difference. The compositional difference of the younger dacites is also expressed through their aeromagnetic signature, and the lack of magnetite within the iron-formations that were observed along the main road to Highway 560, to the south.

FELSIC VOLCANIC ROCKS

Two different felsic volcanic rocks were identified by the field work. The felsic band, which is located east of the mouth of Hook Creek is the most thoroughly tested formation on the property. It was intersected in 13 holes sunk in the search for the source of the rich floats, and to test the Blue Quartz-eye Band. The unit ranges from massive rhyolite to serecitic schist, and coarse fragmental and coarse lapilli, to siliceous siltstone. A similar rock, without the massive and the fragmental sections, occurs along a high steep face in the centre of claim 1191189 west of Jumping Moose Lake. The lapilli tuffs becomes progressively more infused with pyrite, magnetite, and garnet towards the iron-formation; to the point of becoming geophysically indistinguishable from the iron-formation.

Without the benefits of laboratory tests, the second unit of felsic volcanic rocks can be classified as either extrusive or intrusive. The freshly exposed rock is flesh-coloured, usually well foliated, fine-grained but occasionally mildly porphyritic. At Site 30, on the west side of the lake, the formation contains a strataform, finely tapered canoe-size band of a dark-green chloritic material that could be either an interflow or a fragment. At Site 5, on the east side of the lake, a similar unit contains freezer-size fragments of highly magnetic iron-formation.

SEDIMENTARY ROCKS

Greywackes occur in a small outcrop situated on the southwest side of Ottereyes Lake, immediately east of the east property boundary. Hollinger (1975) reported a "graphitic tuff" associated with iron-formation from their first hole near the centre of claim1170526. Well laminated, carbonatized greywacke was exposed at Site 12. The rock is interbedded with coarser green and white sedimentary material. Site 12 is east of Jumping Mouse Creek, along the south boundary of the property.

CHEMICAL SEDIMENTARY ROCKS

The central part of Burrows Township is intersected by a 10 km band of iron-formations that is deflected 42 degrees through the Jumping Moose Lake area. The north arm strikes 23 degrees over a distance of 4 km., while the south arm strikes around 203 degrees for 6 km. The two arms are separated through a tightly folded area east of Jumping Mouse Lake. As this is where the large gold floats rest, it is also the area which has received the most attention.

Several facies of iron-formations are present. The following is a description of the more prominent types, based on field evidence and drill core, including core from previous operators, which is now available for inspection at regional government Core Libraries.

Sulphide iron-formation is easily recognized by a strong geophysical response, especially magnetism associated with conductivity and chargeability. It was intersected in every diamond drill hole directed at a geophysical conductor. The bands are often characterized by a central core of massive pyrrhotite with adjacent bands and seams of pyrite.

Carbonate facies iron-formation occurs in outcrop along the road, south of line 1300N. Brown weathering, probably due to ankerite, is evident as the bedrock was stripped and the rocks have been exposed for several years. The formation lies within the southeast-trending section of the north arm of iron-formations. It is at least 10 m wide and consists of minor random quartz/carbonate veins and wavy, but strataform, bands of magnetite, 1 cm thick.

Highly contorted rich silica beds are exposed on a 70 m² surface located between the two streams south of the 1000N baseline that was established in 1991. The site is referred to as the 'Island Showing' in earlier reports by this author. An early sample of weakly mineralized (chalcopyrite) secondary quartz, assayed 0.34 ounces of gold per ton. Seven metres south, there is flat rock with similar material plus a few bands of magnetite. Blasting clearly demonstrated that the rock was a glacial erratic. Subsequent geophysics do not support the presence of iron-formation in this area. It is concluded that the entire mass, equivalent to 1300 tons, was glacially transported 330 m, exactly down-ice (165° in this area), from the east side of a siliceous outcrop. Here, identical rocks are associated with a long band of drilled and geophysically interpreted I-F.

All magnetic anomalies exceeding 4000 gammas are interpreted as magnetite or oxide facies ironformations. The strongest concentrations of magnetite appear to be along a ridge south of Jumping Moose lake. Newmont surveys recorded up to 35,000 gammas above level during a ground magnetic survey along the south arm of the main belt of iron-formation.

MAFIC INTRUSIVE ROCKS

Except for diabase, there is not much evidence for gabbros the property. Nearly all rocks that are mapped as gabbro are related to the supracrustal volcanics and appear as irregular masses and sills. The material is always characterized by a fresh appearance, lack of foliation, coarser granularity, and lack of mineralization and magnetism.

Gabbro was noted, however, in a short specimen of drill core at the Ministry of Northern Development and Mines Drill Core Library in Kirkland Lake. The sample is reportedly from a 27 m section described as "meta-andesite tuff (chlorite schist)" that was intersected in a Hollinger drill hole. The material that is mapped as gabbro at Site 4 is essentially a non-magnetic mineralized hornblendite, probably a product of metamorphism.

Two hundred and fifty metres southwest of Ottereyes Lake, Newmont mapped a complex outcrop with mafic flows, syenite, diabase and gabbro. The latter material is probably of volcanic affinity, but the generally high magnetic background may indicate a mafic intrusion.

A magnetic anomaly which is located beneath the pond in the central portion of claim 1171902 is thought to represent a mafic intrusion. The magnetic gradient data clearly outlines a body that is 120 m long and 35 m wide with a central plug that is 22 m in diameter.

Lamprophyre occurs in many guises on the property. It was intersect on 58 occasions in 17 of the 30 diamond drill holes sunk in the gold-float area. It averages 30 cm in width. Hollinger's second drill hole cut carbonatized biotite lamprophyre over a distance of 6 m. Similar material was exposed in outcrop, at Site 17, 1400 m to the northeast. Lamprophyric syenite was exposed at the latter stripping site as well as nearby Site 18.

ULTRAMAFIC INTRUSIVE ROCKS

Ultramafic rocks are exposed near the creek, in the southwest corner of claim 1171902. From the small exposure, the rock appears to be intrusive. It is fine-grained and moderately magnetic, with signs of brecciation visible on the weathered surface only. The combined total field and vertical gradient magnetic anomalies indicate that the intrusion is 15 m wide and extends 75 m north of the outcrop. It has not been traced south.

FELSIC INTRUSIVE ROCKS

The felsic intrusive rocks that extend into the northwest section of Burrows Township belong to the granodiorite phase of the Kenogamissi Batholith. Nowhere is the formation exposed on the property. The only available sample of granodiorite was obtained from a pile of large angular boulders located south of Burrows Creek, some 900 m, north of the property boundary. There is a fine grained granite that is in contact with relatively unaltered andesite, at the outlet of Jumping Moose Lake, and also 400 further south. The origin of these granites is probably the same as at Site 14, where a granite plug, 25 m in diameter, intrudes fresh pillow lavas.

Feldspar porphyry, quartz feldspar porphyry, and felsic dikes with an average width of 1 m were intersected on 11 occasions in diamond-drill holes. Grey feldspar porphyry with abundant 5 mm blue quartz-eyes was exposed by stripping behind the camp on Jumping Moose Lake. The contacts are not well exposed, but the intrusion appears to be 3 m wide and strike north-northeast.

The second type of felsic volcanic rock, mentioned above, may well be intrusive. The area Resident Geologist believes that the problem will best be solved through lab work. From certain reports, it would seem that a similar situation existed around Kirkland Lake. In any event, the pink-weathering mildly porphyritic rocks that occur on both sides of Jumping Moose Lake could be sheared feldspar porphyries

Syenite is widely dispersed in central Burrows. The largest exposure is near Ottereyes Lake. It was mapped by Newmont in the south part of a complex 75 m outcrop. Other formations are gabbro, volcanic flows and diabase. In the detailed area, near Jumping Moose Lake, syenite was encountered in four holes over lengths ranging from 75 to 400 cm. During the present program, syenite was exposed at Sites 1, 4 and 17. The search for syenitic rocks was intensified when a sample, of what eventually proved to be a small dike (Site 1) assayed 20.13 grams per tonne.

Mafic dikes of neither diabasic or lamprophyric composition were intersected on 33 occasions during diamond drilling on the property. The dikes average 40 cm in width. One such dike that is exposed on surface, is very glassy and contains tiny glass shards that make quite recognizable. It was cut in three drill-holes and traced for a distance of 150 m along a strike of 165 degrees, which is roughly the direction of many of the diabases.

Diabase dikes of Middle Precambrian age, that strike between 150 and 170 degrees, occur regularly at intervals of hundreds of metres across the property. These Matachewan dikes were intruded in two stages. Certain dikes, with a porphyritic texture due to up to egg-size saussuratized feldspar clots, are quite common in the Gogama Area. Other dikes have all the same characteristics except for the presence of green clots.

The most easterly claim consists of 4 claim units situated at the northeast end of Marne Lake, in Kemp Township. This claim is almost entire covered by conglomerates of the Coleman Member of the Cobalt Group of the Huronian Supergroup.

The diabase dike that strikes 50 degrees across the northwest corner of the township is probably the youngest formation in the area. It is one of two Nippissing dikes that have been traced some 300 km from the Matheson area to the north, to the Elliot Lake Area. Based on government compilation maps, the more southerly dike, which is through Burrows, has the greater sulphide association.

STUCTURE

The geology of central Burrows, in which the claims lie, is complicated by a system of parallel faults that truncate a variety of randomly oriented formations. The main stratigraphic trend is 65 degrees which is the direction of the major structure and the probable strike of the granite contact. This trend is also collinear with the Kirkland Lake Break. By intriguing coincidence, the Hollinger-McIntyre gold zone, to the north, and the long axis of the Sudbury Basin, to the south also strike 65 degrees. These three important mining camps are located 110, 76, and 130 km from Burrows Township, respectively.

MINERALIZATION

The property's greatest potential is for gold which occurs invisibly with silver-tellurium mineralization. Large glacial boulders that assay up to 37 ounces of gold, 22 ounces of silver and 0.22 percent tellurium contain the same type of alteration package as some widely scattered quartz veins that occur west of Jumping Moose Lake. The nearest vein is 700 metres west of the floats. Because of easy access, it has received the most attention. A sample from this vein gave 2.6 ounces Au per ton, 22 ounces Ag per ton, and .05 per cent Te. This type of mineralization is found in young epithermal deposits. The nearest relative in Archean rocks happens to be the Kirkland Lake Break which is on strike, to the northeast.

High geochem gold, ranging up to 6,800 parts per million occur in association with a dark mafic
 blue quartz-eye "tuff" that has been traced for 300 m near Jumping Moose Lake and another two kilometres east, from ground magnetic. Whether the feature compares with the gold-bearing tuffs of the Madsen and Strallatt-Olsen mines of the Red Lake Area remains to be determined.

Gold values of 0.56 and 0.10 oz/t Au were obtained from a narrow syenite dike and mineralized quartz respectively. In the latter case, no additional mineralized quartz was found and no additional significant gold assays were obtained.

SURFICIAL GEOLOGY

The central part of the property consists of glaciolacrustine and organic deposits with interspersed with bedrock-drift complexes and ridges of ice-contact statisfied drift. In the western part of the property, up to the township boundary, the Recent deposits form a till veneer of bedrock-drift. On the east side, the northwest side of Marne Lake is an outwash plain of sand and gravel.

In the Jumping Moose Lake Area, the glacial striations strike between 150 and 211 degrees with a strong preference for 165-to 180 degree strikes. Near the large floats, the 165° strike of some deep grooves need not necessary represent the last ice-advance. Deep striae were probably carved when there was pressure from one kilometre of ice. Most of the rich gold-floats are believed to have been derived from a single 400 T boulder that disintegrated as a result of the weathering sulphides. Large floats, exceeding 5 tonnes, that surround the main the gold-floats are found only in a small area east of Jumping Moose Lake. As mentioned above, concerning a band of iron-formation, most floats can be traced to a source on the property. The author calculated the average transport of these larger boulders to be around 250 m. After digging some 50 trenches, in 1981, Dr. Karvinen established the distance of transport at 400 to 500 m.

METHODS

HZT prospecting of Oakville Ontario is responsible for all phases exploration in central Burrows. This report is the result of field investigations carried out in 1993 and 1994, and their study and compilation in 1995.

Linecutting:

Most of the work around Jumping Moose Lake is tied to the principal grid that was established at 75° in 1991. It was extended easterly in 1993 and westerly across the ice on Jumping Moose Lake, in March of 1994. During the past summer, 2 km of grid lines were established on the west side of the lake and one kilometre was established on the east side, to provide control for the present mapping. Base lines and turn-offs were made with a transit. The main 1300N baseline was extended across a high outcrop ridge to 240W.

Mapping

The Burrows Township program of exploration carried out by HZT prospecting began in the spring of 1991 by mapping and plotting the geology on an enlarged air-photo base. Power stripping, blasting, and sampling were was carried out in the fall of the year. The west side of Jumping Moose Lake was reconnoitred during the summer, 1992 as were certain areas north, and south of Jumping Moose Lake.

The present project was carried out in three stages. The area from Jumping Moose Lake, westerly to the power line, was examined by running same-day traverses in the fall of 1993. Under favourable snowmobiling conditions, in March 1994, isolated rock exposures were visited, from Mattagami Lake to Sinclair Lake, including Nursey Township. The Burrows-Mattagami township boundary was established and the many steep outcrop faces were mapped and sampled. Traverses were run along the new claim lines and most ridges were checked for possible outcrops. The power line, which is a groomed snowmobile trail, was followed for a distance of 12 km into central Cabot Township. The return trip was down Mattagami Lake. Most of the rocks noted along the way were granites, related granitoids, and diabase. During the following summer, an intensive program of stripping, blasting, trenching, and sampling was carried out between 2300 m east of Jumping Moose Lake to 200 m west of the lake. These sites are numbered 1 to 36 on the accompanying maps. In mid-July, a boat was put on Marne Lake and all bedrock exposures along the shoreline were examined, and sampled where necessary. All the work was performed by D. Baird of Toronto, Ontario, and H.Z. Tittley of Oakville, Ontario.

Stripping

Potential stripping areas were first identified from local topography and vegetation. After encountering bedrock, by sounding with a grub hoe, the site was cleared. Bedrock was usually exposed by rolling back a carpet of interwoven moss and roots. Smaller trees were pulled out by hand while larger ones were uprooted with the help of a rope slung up the trunk. The outcrop was swept with corn broom s and, where necessary, it was washed using the water jet from a forestry back pump. It was then mapped and sampled. Some 48 locations at 36 site along 27 outcrop ridges were thus examined.

Where the rocks were either sulphide-stained, which made them interesting, or glacially polished which made sampling difficult, short holes were drilled with an Atlas Copco percussion drill and then loaded with dynamite. Twenty two blasts were set at 15 of the stripping sites. Because of the plugger's deteriorating performance, no holes were drilled on the west side of Jumping Moose Lake.

Trenching

Trenching was done at Site 33 only. After clearing the trees in an area of some 350 m², the gold-bearing vein was stripped of roots and soil. Approximately 2 m below the vein, on the north side of the ridge, a considerable amount of weakly mineralized quartz were seen. Several cubic metres of rubble had to be trenched before the in-situ nature of the quartz could be established. It was found a very irregular mass with occasional highly carbonatized wall rock sections.

RESULTS

The results of the present geological investigations in Central Burrows are plotted on accompanying plans **A** and **B**, entitled 'Stripping Sites' and 'Geology', respectively. Plan **A** is a collage of geological sketches map scales of 1:100, 1:200, 1:500 or 1:1000 for respective sites. The locations of the 36 stripping sites are shown on plan **B** at a scale of 1:10,000. Plan **C** shows the traverses on the same base as the geological map.

Much of the geological interpretation is based on geophysical data. Both total field and first vertical derivative of government aeromagnetic data were widely used. Posted Newmont magnetic, VLF electromagnetic, induced-polarization chargeability and resistivity as well as limited HEM electromagnetic data were taken from Assessment Files and imputed to a computer software program. From these, the Metal Factor for the I-P data, was calculated and plotted, and the Fraser Filter was applied to the VLF data before plotting. The plotted data was then contoured using computer software.

The nature of the carbonatization at Site 18 and the complexity of the syenite and carbonatized lamprophyric inclusions at Site 17 indicate an altered zone. Base on magnetic data, the altered stratum can be trace 4 km easterly. Combined with the mafic Blue Quartz-Eye horizon and the and the area of quartz veins west of the lake, the overall belt of gold mineralization and propitious rocks, is 7 km long. A second suitable environment for the emplacement of gold lies 900 m to the north. It is a parallel structure that extends over a distance of 5 km. The zone is probably composed of softer rocks because the area is mostly lower ground and the rocks are nowhere exposed.

Several quartz veins were found during the reconnaissance prospecting of the area between Jumping Moose Lake and the electric power transmission line in Mattagami Township. Of particular interest is a highly altered zone with multiple cross-cutting quartz veins. It is located one kilometre west of the lake and the characteristic pyritized and carbonatized wall rock alteration found in the ore-grade vein, near the lake, and the in the rich gold-floats. The ridge is referred to as the Gem Knoll.

No new quartz veins were found during these investigations. The most encouraging results are from a series of mineralized calcite veins uncovered at Site 9. They occur in a zone that is 1.2 m wide, strikes east and dips 45 degrees south. Anomalous gold values ranging up to 160 ppb were obtained from samples of heavier sulphides.

Felsic rocks found at Sites 3 and 5 are most interesting. They lie immediately south of a major ENE fault, as postulated from Ingamar Exploration's 1988 aeromagnetic survey. The presence of large iron-formation fragments, at Site 5, indicates late tectonic activity.

Highly carbonatized mafic volcanics were located at Site 15. At Site 18, there is a 12 m-wide band of rusty-weathering iron carbonates. Intense carbonatization at Site 17 is mostly confined to the lamprophyric units.

Several days of stripping around the high-grade vein, on the west side of the lake (Site 33), exposed the vein over a distance of 21 m. There is a couple of attendant veins, and the whole system is associated with combined magnetic, S-P and VLF anomalies that form a 140 m arcuate band. It describes an east-facing chevron fold.

RECOMMENDATIONS

In order to pursue the evaluation of the entire property, a continued program of stripping and prospecting should be carried out between Jumping Moose Lake and the west township boundary.

The present grid should be extended to cover the entire 7 km of favourable host lithologies and structures with lines no more than 40 m apart. A detail magnetic survey should be conducted along the grid lines, followed by a self-potential survey which is cheap and rapid. Anomalous areas should the be examined by self potential methods.

The initial prospecting, linecutting, mapping and geophysics would cost around \$150,000. It should be followed by a program of diamond drilling at a cost of \$500,000.

Respectfully submitted,

H. Z. Tittheren for over the submitted of the sub

*

REFERENCES

Abraham, E.M.

1953 GEOLOGY OF SOTHAM TOWNSHIP

Ontario Department of Mines Annual Report Vol 62, part 6

Alexander, D.R.

1975 PROPOSED EXPLORATION ON BURROWS #1 GROUP

Ontario Geological Survey Assessment File 63.3377, Toronto

Bateman, P.

1975 Diamond Drill Logs (Hollinger 4)

Ontario Geological Survey

Assessment File Burrows #?, Toronto

Bowen, R.P.

1982 REPORT ON THE SIROLA-KARVINEN CLAIM GROUP

Burrows Township, Ontario Ontario Geological Survey Assessment File 4.4647, Toronto

1982 GEOLOGICAL REPORT ON THE SIROLA-KARVINEN CLAIM GROUP

Burrows Township, Ontario Ontario Geological Survey Assessment File 2.5106, Toronto

1982 REPORT ON INDUCED POLARIZATION SURVEY

Burrows Township, Ontario Ontario Geological Survey Assessment File 2.5144, Toronto

1982 REPORT ON RESISTIVITY SURVEY

Burrows Township, Ontario Ontario Geological Survey Assessment File 5.5145, Toronto.

1982 REPORT ON GEOLOGICAL SURVEY

Burrows Township, Ontario Ontario Geological Survey Assessment File 2.5146, Toronto

1982 REPORT ON MAGNETIC SURVEY

Burrows Township, Ontario Ontario Geological Survey Assessment File 2.5147, Toronto. Bowen, R.P.

1982 REPORT ON MAXMIN HEM SURVEY

Burrows Township, Ontario Ontario Geological Survey Assessment File 2.5150, Toronto.

1982 REPORT ON ROCK GEOCHEMISTRY

Burrows Township, Ontario Ontario Geological Survey Assessment File 2.5902, Toronto.

1982 Diamond Drill Logs (Newmont 2)
Ontario Geological Survey
Assessment File Burrows #?, Toronto.

Boyle, R.W.

1979 THE GEOCHEMISTRY OF GOLD AND ITS DEPOSITS

Geological Survey of Canada, Bulletin 280

1976 MINERALIZATION PROCESSES IN ARCHEAN GREENSTONE AND SEDIMENTARY BELTS

Geological Survey of Canada, Paper 75-15

Carter, M.W.

1987 GEOLOGY OF THE SHINNING TREE AREA

Sudbury and Temiskaming Districts Ontario Geological Survey, Report 240

1986 GEOLOGY OF CABOT AND KELVIN TOWNSHIPS

District of Sudbury Ontario Geological Survey, Report 249

Coad, P.R.

1979 Nickel Sulphide Deposits.....

Ontario Geological Survey, Study 20

Gledhill, T.L.

1926 GRASSY RIVER AREA

Ontario Department of Mines Annual Report, Vol. 35, part 6

Hurd, G.T.

1951 Diamond Drill Logs (Dominion Gulf 4) Ontario Geological Survey

Cobalt files.

Karvinen, W.O.

1981 GEOLOGY REPORT ON THE SIROLA-KARVINEN PROPERTY

Burrows Township, Ontario Ontario Geological Survey Assessment File 2.3773, Toronto Karvinen, W.O.
1982 REPORT ON BASAL TILL SAMPLING AND SURFICIAL
GEOLOGY

Burrows Township, Ontario Ontario Geological Survey Assessment File 2.5138, Toronto

Pyke,D.R 1978 GEOLOGY OF THE PETERLONG LAKE AREA

Districts of Temiskaming and Sudbury Ontario Geological Survey, Report 71

Rickaby,H.C.
1932 BANNOCKBURN GOLD AREA
Ontario Department of Mines
Annual Report, Vol 41, Pt 2

Rock, D.I. et al 1989 Gold, Lamprophyres and Porphyries: What Does This Association Mean? Economic Geology, Monograph 6, p. 605-625

Savage, W.S.
1952 **DOMINION GULF OPTION**Ontario Geological Survey
Cobalt files.

Wyman, D. and Kerrich, R.
1989 Archean Shoshonic Lamprophyres Associated
With Superior Province Gold Deposits
Economic Geology, Monograph 6, p. 651-667

MAPS

1991 BEDROCK GEOLOGY OF ONTARIO

East-Central Sheet Ontario Geological Survey Map 2543, Scale 1:1,000,000

1990 SHINING TREE AREA

Airborne Electromagnetic/Total Intensity Magnetic Survey Ontario Geological Survey Map 8141, Scale 1:20,000 Geoterrex

1987 SHINING TREE AREA

Precambrian Geology, Districts of Sudbury and Temiskaming Ontario Geological Survey Map 2510, Scale 1:50,000, M.W. Carter

1986 CABOT AND KELVIN TOWNSHIPS

District of Sudbury Ontario Geological Survey Map 2470. Scale 1:31,680, M.V. Carter

1983 ABITIBI SUBPROVINCE

Lithostratigraphic Map Ont. Geol. Survey / Minis. Energie Ress., Quebec Map 2484 (Ont), DV 83-16 (Que), Scale 1:500,000 P.C. Thurston / A. Franconi

1978 GEOLOGY OF THE PETERLONG LAKE AREA

Ontario Geological Survey Map 2375, Scale 1:50,000, D.R. Pyke

1977 BURROWS TOWNSHIP

Ontario Geological Survey, Preliminary Series Map P-1218, Scale 1:15,840, H.L Lovell et al.

1973 TIMMINS-KIRKLAND LAKE

Ontario Division of Mines Map 2205, Scale 1:253,440 D.R. Pyke et al.

1926 GRASSY RIVER AREA

Ontario Department of Mines / Report Vol. 35, part 6 Map 35j, Scale, 1:31,680, Gledhill, T.L

	91 Gnd			•	A
No	-	Vorth	DESCRIPTION	•	Au ppb
93-A			126m NNW of #4 1191188		ppu
			Wkly schistase intermed intrusive rock which	•	
			in hand sample, J. Ireland compares to the	•	
			metamorphosed volcanics of the Champagne/	•	
			Bennewiss area. Should be compared to the	•	
			diorites S of Sindair L.	•	
				•	
93-B	_	_	- 30m N of #3 1191188	•	
			Dk to blk wkly shr'd mafic volcanic. Non-mag	•	
			no visible sulphides. Second speamen is	•	
			more massive	•	
				*	
93-1	245	1367	Same location as 92-57(N TP qv) Weathered	*	89318
			sample /9mm qv in bluish-grey float-like	*	
			schist Mass sulp one end, mainly py cubes	•	
			77.	*	
93-2	245	1367	Same location as 92-57 & 93-1 above.	•	
			Boudinaged gv with float-like pinkish	•	
			inclusions & occ sulp, mainly as fine cubes	•	
			One minor cp splash Wallrock is float-like	•	
			grey- bluish-grey schist with fine py cubes	•	
			Enveloping characteristics also present	•	
			· ·	•	
93-3	245	1367	Same location as above 2 samples.	•	
			35mm qv with 15mm of grey- bluish-grey	*	
			wallrock Fine py cubes in wirck, larger	•	
			larger cubes, splashes '& other sulp in qtz.	•	
				•	
93-4	1640	1500	Massive fig. mafic vol. Clinkstone outcrop	*	
			contains some schistose material, poss pillow	*	
			selvages Non mag	*	
				*	
93-5	1970	1500	Dk-grey mafic vol with shiny-grey schistose	*	
			biotite face, not too unlike main gold-floats.	•	
			1 1 cm seam with scattered sulphides, but no	*	
			cubes Non-mag	•	
				•	
93-6	245	1367	Twin Peaks, Nivein	-	
			Qtz/carb vein with well carbonatized walrock.	•	
			Good bluish-grey hematite slips	•	
				•	
93-7	245	1367	Twin Peaks, Nivein	•	
			Highly carbontz'd grey-gm chloritic walrock	*	
			material with irregular qtz/carb vein 1% sulp	•	
			mainly in grn schist	•	
				•	
93-8	245	1367	Twin Peaks, Nivern - Mixture of qtz vein,	•	120
			actino rosette imparting greenish tinge to	=	
			much of rock, with Jiny py cubes throughout.	•	
			with 1 bleb of more triangular sulphide min	•	
			7 mm of grey wall with fine py and a 1.5 mm	*	

	91 Gnd			*	Au
No.	East	North	DESCRIPTION		ppb
			bleb of branzy-bm sulphide.	*	
93-9	245	1367	Twin Peaks, Nivein	•	56202
				*	
93-10	245	1367	Twin Peaks, Nivein	•	
93-11	-18	1160	Twin Peaks, 70m W of 1191189 #2 Same		
			area as 92-55 above.	•	
				•	
93-12	-18	1160	Twin Peaks, 70m W of 1191189 #2 Same	•	
			area as 92-55 above. Fair carbonatization.	-	
93-14	245	1367	Twin Peaks, Nivein.	•	
			Highly carbonatized typicall walrock material	•	
			1% pyrite cubes.	•	
93-15			Clm 1201289, 260m W of 1191188 #3 & 60m N	-	47.000
			of clm line. F.g. foliated granitoid with section with good evenly distrib fine by cubes	-	
			Weakly carbonatized.	-	
			•		
93-16	_		Gem Knoll SW	*	7
			F.g. granitoid with minor sulp. Poss wkly		
			foliated aplite dike.	-	
93-17			Gem Knoll NW	-	
			NW comer of knoll facing wet lowland. Vein	•	
			extends over 25m across o/c. To SW it is	•	
			only 1 cm wide in 20cm alteration package		
			At NE end, alteration is at least 2m wide and the veins, though mineralz'd are more	-	
			randomly oriented.	•	
				•	
93-17a			Gem Knoll SW	*	6
			NE pt of vein which occurs as laminations in	*	
			a wkly mineralz'd zone. Un float-like wallrock.	•	
93-17b			Gem Knoll SW	•	6
00 1.0			NW pt of vein - dl-grey wallrock with 2% 1mm	*	_
			py cubes.	•	
				•	
93-18	_		Gem Knoll centre	•	57
			Broad undefined area of altr'd (occ pinkish) rock with profusion of random qtz veins of	-	
			varying dimensions. Most carry <1% py cubes &	•	
			very finely diss py. SAMPLE is qtz with 1%	•	
			py as 1-2mm cubes & very fine disseminations.	•	
				*	
93-19			Gem Knoll SW	•	
			App 20m W of 93-16. Hematiz'n & epidotiz'n present in this outcrop.	-	
			prosent in any outdop.		

			•	
	91 Gnd		•	Au
No.	East North	DESCRIPTION	*	ppb
			•	
93-19a		Gem Knoll SW	*	
		Otz vein with minor carbonates from 15X20cm		
		boudinage. Rare sulp except near thin layer	*	
		of biot/chlor wallrock. Vein is vuggy with	•	
		pinkish splashes.	•	
			•	
93-19b		Gem Knoll SW	•	
		Contaminated qtz/carb vein with 3 good sulp	•	
		splashes. Distinct amphibole xtals in poorly	•	
		mineralized wallrock	•	
			•	
93-19c		Gem Knoll SW	*	
		Bluish-grey wallrock, 15% sulp & 1 cm gtz vein.	*	
		SAMPLE, weathered surface, no witness.	•	
		Co vivi CE, Wednested Sandoe, No Williess.	•	
93-19d	_	Gem Knoll SW		14
33-13G			•	רו
		Well mineralz'd (20%) creamy-beige aftered wallrock. Mineral'n occurs as fine dissemint'd	•	
			_	
		SAMPLE, no witness.	_	
00.10-		0 // -11 01 //	_	_
93-19e		Gem Knoll SW	-	6
		Sugary qtz/carb vein with thin chloritic slips &	•	
		good sulphide bled associated with one slip.	•	
		Heavily mineralz'd wallrock with 1mm py cubes.	•	
		Highly carbonatized wallrock.	•	
			•	
93-20	_	Twin Peaks - Cliff	•	
		Otz vein at top of cliff face. Strike 80* (?)	•	
		Good boudinaged qtz up to 15x30cm in weakly	•	
		sericitized tuff (or sediment?). Very rare	•	
		sulp in qtz. Up to 1% in very shiny	•	
		chlorite/sericite wallrock.	*	
			*	
93-20a		- Twin Peaks - cliff	*	∢ 5
		Massive 6x15cm boudinaged qtz in thin shiny	*	
		chlorite/sericite matrix. No visible sulp.	•	
		·	*	
93-20b	_	Twin Peaks - diff	•	95
		Felsic tuffaceous wallrock with 1-2% finely	•	
		diss py as tiny cubes. Qtz inclusions. Shiny	-	
		chloritic slip faces.	•	
		chorae supraces.	•	
93-21		Esker road, N bdy claim 1182407	•	
33-61			*	
		Very competent dk.f.g. rock along S margin		
		of broad o/c consist mainly of amphibolz'd	== •	
		mafic lavas. Considerable epid, SAMPLE	-	
		contains finely diss sulp & is spottily mag	-	
		(see 92-62)	-	
05.55		0 : 4 700 5 0 70 : 4	*	=
93-22	_	Cruise 1 - 700m E @ 70 deg from power line		6

	91 Gnd		*	Au
No	East N	orth DESCRIPTION		ppb
		Qtz boulder resembling Twin Peak S vein but	•	
		poss more sulp in qtz. Some limonite-stained		
		qtz Boulder in gully between steep o/c of		
		very dk mafi9cia lava to the N and a broad	-	
		exposure area of greener matic lavas to the		
		S 4m S of float bedrock is well mineralz'd	-	
		with poss diverse sulphide. (Next sample)	_	
93-23		Cruico 1 - 700m F @ 70 dog		-6
33-23	_	Cruise 1 - 700m E @ 70 deg	•	ζ.
		Mafic vol with considerable py cubes & poss other sulph. Probably vein wallrock material	•	
		Poss faint BQE	•	
		FUSS WIIL DUE	*	
93-24	_	Cruise 1 - 450m E		
3,724	_	Intermediate porphyry in contact amphibolz'd	•	
		& epidotz'd mafic volcanics Contact @ 38*	•	
		No mineralization	*	
		140 Hillier and and it	•	
93-25	_	Esker road to Jumping Moose Creek		
33.53		Grante, c.q., granulated		
		Graine, c.g., grandated	_	
94-1	_	- Mattagami Lake	•	
37 1		App 600m S of trail to power line. Steep rock	•	
		ridge with red pine - Granite, massive evid	•	
		of jointing in overall o/c	*	
		or joining in overall by c	*	
94-2		Jumping Moose Lake	*	
J7 E		N end of open meadow S of JML. Distinct red-		
		weathering migito c.g., magnetic. Young	•	
		intrusion, poss Nipissing		
		indusion, possinipissing		
94-3		Site 12 - Island along Jumping Mouse Creek		
3.3		Felsic to intermediate frag tuff with up to		8
		12x3cm elongated fragmts Py to 3% in 2cm		Ū
		bands next to 5cm bands of 1% py Strike to	*	
		NE as per Newmont	•	
			•	
94-4	_	- Site 11 - windfall ridge, 40m S of #2 121021	•	
		Windfall o/c ridge, 50x10m, 40m S of 121021	•	
		#2, W of ck Massive to wkly fol gm matic	•	
		flow with blue quartz-eyes. Weakly foliated	*	
		section towards homblende/epidote	*	
94-5	600	1010 Felsic tuff 2mm py cube molds in one sample	*	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	
94-6	600	1010 Massive carbonatized dk-gm matic volcanic.	*	
		wkly sheared, highly mag	•	
		ygyg	•	
			•	
94-7		Twp line - 225m E of twp line, S end 20m o/c	•	
		Small chip, Pink-weathering rock.		

	91 Grid			•	A. .
No.		orth	DESCRIPTION		Au ppb
			ozoo a mon	*	ppb
94-8		_	- Twp line - 270m N of rd, 10m W of twp line	•	
			Nipissing diabase?	*	
				•	
94-9	_		Twp line - 3123m N of rd, 5m E of Twp line	•	
			Matic volcanic sheared @ 34 degrees.	•	
			Calcite veinlets, moderately carbonatized	•	
94-10	_		Twp line - 485m N of rd, 6m W of twp lime	•	
			Edge of long slough @ 34 deg. Syenite in	*	
			moture of granitoids & matic volcanics.	=	
			-	•	
94-11		_	Twp line 650m N of Rd.	•	
			Dk-gm, matic to ultramatic. Kkly carbonatized	•	
				•	
94-12	_	_	200m S of 1191582 # 1	•	
			Lunch area - large bald o/c - M.g. hombind	*	
94-13		_	505m S of 1191582 #1	•	
			Diabasic rocks.	-	
94-14	_		- 1040mW of 1191582 #2	*	
34-14			Sheared felsic to intermediate BQE porphyry.	•	
			oncoded lesse to membraide bar polynyry.	•	
94-15			- 1120m W of 1191582 #2	•	
			O/c ridge @ 33* - hombind to hombind	*	
				•	
94-16			65m NW of 1191583 #3	•	
			Felsic granitic rock.	•	
				•	
94-17	_	_	- 48m E of power line		
			Along trail from N end of small bend in	•	
			power line road.	-	
94-20	255	1269	Site 33	*	< 5
94-20	233	1300	Loose - matic volcanic to HF with 1.5cm		(3
			massive sulp as bleb or seam. Highly mag	•	
			1cm rusty qtz vein.		
			, ,	•	
94-21	247	1382	Site 33	•	< 5
			10m N of vein - F.g. to m.g. granitoid	•	
			towards rhyolite. Pale weathered surface as	*	
			10m NW of 1182409 #3. No witness	•	
				•	
94 -22	260	1390	Site 33	*	
			36m NE of vein - Stripped 4x6m dome of	•	
			massive homogeneous mafic rock of unknown	*	
			origin Greenish, as wkly epidoz'd Poss	*	
			alteration product.	•	
04.04	200	1 200	Other spin spanning from 0 to 25 and Almoster-	-	CE
94-24	200	1 300	Otz vein ranging from 8 to 25cm - No altered	_	65

	91 Gnd			*	A
No	East	North	DESCRIPTION		Au ppb
-110	<u> </u>	140.01	wallrk. Occ sulp stains - SAMPLE is limonite	*	ppo
			-stained with sulp mostly in ganque, some	•	
			grn copper stain. No witness.	•	
				•	
94-26		_	320m E of 1191594#4	•	
			N side of o/c - Granite porphyry with sharp	•	
			irreg contact /soft green mafic vol to S	•	
				•	
94-27	_	_	320m E of 1191594 #4	•	< 5
			Irregular mostly barren qtz vein SAMPLE	•	
			contains good py blebs. No witness	*	
				*	
94-28	824	1104	Site 2	*	6
			2cm to 14 cm qtz vein along contact between		
			BQE & silicafied rhyolite to S. Glassy wht	-	
			qtz with some sulp (py?) ın qtz		
94-29	819	1104	Site 2	_ _	
34723	013	1104	Limonite-stained qtz with mass py bleb,	*	
			poss disintegrated 3cm py cube	•	
			poss distined sempy case	•	
94-30	1850	1973	Site 3	•	
			HF, blk sooty rock with up to 55% sulp,	•	
			mainly py Poss po, magnetic Diabase to W.	•	
			,,,	•	
94-32	1853	1970	Site 3	•	
			Otz vein in syenitic rock within complex of	*	
			4cm saussuritized diabase dikelets X-cutting	•	
			orangy-pnk veinlets. No sulp	•	
				*	
94-33	1851	1871	Site 3	•	
			Saussumized diabase at contact with	•	
			syenite & immediately above HF Magnetic,	•	
			susceptibility of diabase	-	
04.24	1848	1902	Site 4		, c
94-34	1040	1032	Hombind/epid with scattered pnk feldspar	•	< 5
			giving matic syenite appearance. M.g., grey-	•	
			grn, 1/2% evenly diss sulp (py?) Non-maq	•	
			Heavy epidote slips.	•	
			Choday opidate ships:	*	
94-35	1835	1899	Site 4	•	< 5
			Mass pnk syenite or felsite F.g., epidoz'd,	•	
			minor diss py, non-mag, poss sillim laths.	•	
			_	•	
94-36	1843	1890	Site 4	•	6
			HF with 3cm barren qtz vein and 3mm seams	*	
			of mass magnetite on both walls.	*	
				•	
94-37	1087	1075	Site 1	•	
			Upper central pt of stripping Gabbroic	•	

	91 Grid			•	Αu
No.	East	North	DESCRIPTION	•	ppb
		· - · · · · · · · · · · · · · · · · · ·	hypabyssal flow as N of Isld Showing.		
94-38	1083	1078	Site 1	-	< 5
			Below syenite dike. Qtz/carb complex with	•	
			many alteret'n colours as per main float	•	
			wallrock, except BQE & py cubes. SAMPLE is	•	
			20% atz without veining & up to 5% sulp	•	
			as elongated whisps in darker wallrock. Minor	•	
			sulp in the qtz including poss V.G.	*	
				•	
94-39	1083	1078	Site 1	•	< 5
			Dk shiny deep-gm with central 6cm band	•	
			carrying 5% roundish & oval sulphide blebs.	•	
			2cm pnk calc vein with very fine diss sulp.	•	
				*	
94-40	1083	1078	Site 1	•	
			Syenite, grey-purple , towards lamprophyre.	*	
			Fine diss sulp. Glaucophane, carbonatized		
			& wkly magnetic as per sample 94-79 below.	•	
				^	
94-41	1851	1973	Site 3	•	< 5
			Syenite, finely diss sulp, pale-gm Epidotized	•	
			sections, moderatly carbonatized.	•	
				•	
94-42	1852	1973	Site 3	•	7
			Otz/carb rock with x-cutting 1mm veinlets.	*	
			Very minor small py splashes.	•	
				•	
94-43	1850	1973	Site 3	•	18
			HF, up to 1,5cm py band in dk to blk f.g.	•	
			magnetic rock.	*	
				*	
94-44	2317	2137	Site 5	-	< 5
			Well bedded @ 60*, melange of mainly felsic	*	
			rocks with up to 40cm fragments of pale gm	•	
			material of poss vol origin. Similar-size	•	
			fragments of magnetic gametiferous HF as	•	
			in DDH & HF floats. Also blk highly mag	•	
			fragments. Carbonatized sections.	•	
				•	
94-45	2306	2087	Site 6	•	
			Gabbro, massive m.g. coarse-textured with		
			many pinkish inclusions & frag including	*	
			200x50cm blocks of well mineralized highly		
			magnetic I-F. The blocks appear strataform?	•	
			Carbonatized	•	
94-46	2302	2091	Site 6	*	
			Highly mag HF with 30% silica & 4% sulp	*	
			from 200x50cm fragment within a 65 sq m	•	
			exposure of massive differentially weathered	•	

				•	
	91 Gnd			•	Au
No.	East	North	DESCRIPTION		ppb
			gabbro	•	
				•	
94-47	1557	1394	Site 9	•	< 5
			Limonite-stained qtz vein in qtz/carb vein	•	
			complex. Good sulp specks & splashes, some	•	
			as cubes & dodecahedrons.	•	
				•	
94-48	1559	1394	Site 9	•	15
			Lower qtz mass with major sulp splash in	•	
			main qtz/calc vein complex	•	
			, , , , , , , , , , , , , , , , , , ,	•	
94-49	1557	1394	Site 9		160
31 13	1331	.551	Spectacular display of bronzy & shiny	•	100
			silvery sulp in carbonatized am schistose		
			, , <u>, , , , , , , , , , , , , , , , , </u>		
			wallrock next 1 cm vein of bluish-grey qtz no	_	
			unlike Larr's Cree L. Fair cp splashes.	-	
				-	
94-50	1557	1394	Site 9	•	23
			Highly carbonatized matic volcanic with good		
			sulp splashes in 4mm calcite vein that dips	•	
			25 degrees N.	•	
				•	
95-51	1557	1394	Site 9	*	< 5
			Moderatly carbonatized country rock with		
			1x2cm sulp splash.		
				•	
95-52	1557	1394	Site 9		
30 02			Example of calcite veining in centre of	•	
			main calcite vein.	•	
			man cacie vein		
0452	722	2120	Site 13		< 5
94-53	122	2120			(3
			S pt along steeper o/c face - Wkly foliated	_	
			andesite, 4cm qtz/carb vein /respectable sulp	_	
			splashes & occ cube within qtz. Minor cp.	-	
				•	
94-54	1934	1637	Site 7	•	< 5
			Qtz/calc vein with very minor sulp & occ	•	
			tiny bead of unidentified sulp. Much of	•	
			qtz has greenish tinge. Occ typical reddish	*	
			feldspathic splashes also cp.	•	
				•	
94-55	1934	1637	Site 7	•	< 5
			Well foliated rock, probably sheared		
			Wallrock to vein above.	•	
				•	
94-56	1972	1.400	Site 8	*	6
34 30	1312	1433		•	Ü
			Wkly granitized matic vol with 1 cm wide seam		
			ot 60% py	_	
0457			0: 10	-	
94-57	1559	1119	Site 10	-	< 5
			Highly carbonatized pink-purple with 1/2%	•	

	91 Grid			•	Au
No.	_East	North	DESCRIPTION		ppb
			py cubes (?). Foliated, non-magnetic.	•	
0450	*500	****	0. 10	-	
94-58	1560	1119	Site 10		
			Similar 94-57 above but less sulp Highly	_	
			contoited & poss crenulated. Also, more	_	
			pinkish minerals. SAMPLE is from a 25 cm	_	
			band cutting the mafic volcanics near barren	_	
			qtz boss Higly carbonatized		
94-59	1560	1120	Site 10	•	< 5
34.13	1 300	1120		•	(3
			Otz & wallrock, considerable hem slips, Occ	•	
			sulp blebs including in qtz. Pinkish qtz & minor carbonate. No witness		
			minur Carbonate. NO Willess	*	
94-60	1345	1000	Site 14-e	*	35
34 00	1343	1000	Flat-lying randomly-oriented gtz vein with	•	11
			occ sulp flakes 2% sulp in surround'q rocks	•	
			occ sulp nakes 2% sulp in sundana g tocks		
94-61	1330	995	Site 14-c	•	
3101	1330	333	Dk-qm to blk, chloritic, poss wkly sheared	•	
			Dr. giri to bir, dilbinic, poss way shedied	•	
94-62	1330	1010	Site 14	•	< 5
3702	.,,,,		Granite, graphic display of small hombind	•	
			x-xtals Very minor sulp, some epidote.	•	
				*	
94-63	1210	990	Site 15	*	< 5
• • • • • • • • • • • • • • • • • • • •			4cm boudinaged qtz vein in sericite/chlorite	*	-
			shear (alteration) all without sulp. Similar	•	
			main float.	•	
				*	
94-64	1210	990	Site 15	•	
			Highly carbonatized dk greyish-blue &	-	
			serectic Shear with minor diss sulp	•	
			increasing to 2% at one end	-	
			-	*	
9 4-6 5	1210	990	Site 15	•	
			Highly carbntz'd grey wkly serecitic,	•	
			weathering to very flaky dk-bm Poss part	•	
			of shear zone.	•	
				*	
94-66	1129	1134	Site 12	•	< 5
			Felsic to intermediate tuff, lapilli tuff,	*	
			with 1% sulp as blebs & 1mm cubes.	*	
			Highly carbonatized	•	
94-67	1132	1142	Site 16 - Pop 1	*	
			I-F, dk-gm well folit'd gamet schist with	•	
			1cm band of 100% sulp as assiffd py crystals	•	
				•	
94-68	1129	1134	Site 16 - Pop 2	•	< 5
			Gametiferous felsic tuff with minor calcite,	•	

				•	
	91 Grid				Au
No.	East	North	DESCRIPTION COLLEGE	-	ppb
			qtz & sulp splashes. Recall pop near DDH 51-2	*	
94-69	1129	1133	Site 16 - Pop 3		9
3103	1123	1133	Darker phase of the felsic tuff with	•	,
			considerable stringers and disseminations of	•	
			py in up to 3mm cubes	*	
			7) 4	•	
94-70	2573	1510	Site 17 - Pop 1	•	6
			Near centre of syenitic inclusion. Dark brick	•	
			red, highly carb, non-mag. Some sections	•	
			display considerable x-cutting catc veining	•	
			over 10cm². Occ py cubes.	•	
				•	
94-71	2573	1510	Site 17 - Pop 1	*	
			Non-carb biotite lamprophyre. Hematite	•	
			slip on one face. Rock borders the syenite	•	
			and appears invaded by it. Elsewhere, it	•	
			appears to intrude the syenite.	•	
				•	
94-72	2573	1510	Site 17 - Pop 1	•	
			SAMPLE shows relationship between syenite &	•	
			lamp; both intruding pillow lava.		
		4505	5: 43 5 6	•	
94-73	2572	1505	Site 17 - Pop 2	-	
			Foliated matic volcanic with minor syenitic	_	
			inclusions Rare sulphides. Modify carbntz'd	•	
94-74	2574	1508	Site 17 - Pop 3	•	8
3777	2377	1300	Syenite wallrock material consisting of	•	·
			of foliated mafic vol, qtz/calcite with marry	•	
			sulp blebs & cubes.	•	
				•	
94-75	2574	1508	Site 17 - Pop 3	•	12
			Highly carbonatized lamprophyric syenite	•	
			with 1/4% diss 1mm py cubes. Dense, massive	•	
			and non-magnetic.	•	
				*	
94-76	2574	1508	Site 17 - Pop 3	•	
			Phase of lamprophyric syenite showing	•	
			degree of calcite veining.	*	
				*	
94-77	2574	1511	Site 17 - Pop 4	*	< 5
			Med-grnd vol with numerous, mainly strataform	*	
			up to 1 cm pinkish veinlets due to syenite	•	
			proximity. Occ cubes & sulp blebs, includg cp		
	æ : =			•	_
94-78	2168	1228	Site 18 - 2nd stripping area	•	< 5
			Greenish-pink massive syenitic rock / fine 1/2	•	
			mm py cubes. Actino rossette, carbnonatized	•	
Q <i>A</i> _70	21.47	1220	Site 18	•	< 5
94-79	2147	1233	Sile 10		₹5

				•	
	91 Gnd			•	Au
No.	East	North	DESCRIPTION		ppb
			Appearance of lamp syenite probably due to	•	
			undeveloped biotite or glaucophane. Pinkish,	•	
			diss small py cubes. Well carbonated &	*	
			wkly magnetic as 94-40 above.	•	
94-80	2152	1253	Site 18	*	13
			Highly carbonatized, well folit'd, pale-gm Occ	•	
			finely diss sulp, poss cp.	•	
94-81	2151	1249	Site 18	_	34
			Well laminated pale-qm to yellowish, wkly	•	
			carb & not too unlike 94-80 above 2 finely	-	
			diss sulp specks. Good cleavage & alternate	•	
			dk band produce distinct sedimentary	•	
			appearance, but its emplacement with pillw'd	•	
			flows preclude such origin.	*	
				•	
94-82	1023	1081	DDH 51-2 & 4	*	
			Highly carbntz'd m.g. to f.g. dk-grey / pinkish		
			tinge. Massive, but weathers to schist	•	
			Unfamiliar rock, poss related to lamprophyre	-	
94-83	1023	1081	DDH 51-2 & 4	•	14
3.03	1023	1001	Qtz vein or flooding in rhyolite tuff. No	•	•
			mineralization	•	
				•	
94-84	1023	1081	DDH 51-2 & 4	•	6
			Meat-red felsic tuff with diss 1mm py cubes	•	
				•	
94-85	1023	1081	DDH 51-2 & 4	•	6
			Highly weathered bm rhyolite tuff, no	*	
			remaining sulp. Browning from unknown source	*	
94-86	719	2145	Site 13	•	13
			N side o/c - Otz flooding with rare sulphide	•	
			specks & one 2cm bleb. From narrow vein	*	
				*	
94-87	1253	1310	Site 19	*	
			Diabase, gm-grey, m.g. to f.g., magnetic.	•	
				*	
9 4 8 8	1136	1328	Site 20		
			Carbonatized mafic dike, towards lamprophyre	-	
94-89	1136	1328	Site 20	•	
3.03	1130	,,,,,	Otz from margin between pillow lava & carb	•	
			lamprophyre.	•	
			, , ,	•	
94-90	1144	1257	Foliated carbntz'd mafic vol with BQE (hard	•	
			to detect)	•	
			0.00	*	
94-91	1119	1207	Site 23	•	

				*	
	91 Gnd			•	Αu
No.	East	North	DESCRIPTION	*	ppb
			Massive grey-gm m.g. hypabyssal flow. Non-	•	
			carbonatized, non-magnetic.	*	
				*	
94-92	1119	1213	Site 23	•	
			Wkly schistose, deep-gm, slightly amphibole	•	
			8 towards main float wallrock. SAMPLE, part	•	
			contains qtz/calc which gives N part o/c a	•	
			gouged appearance.	*	
				•	
94-93	1148	1196	Site 24		< 5
			Laminated I-F band occurring across 12cm in	•	
			melange of gabbroic, hypabyssal & mafic	•	
			flows. Non-mag. Pinkish bands comparable		
			Site 28.		
				•	_
94-94	1167	1200	Site 25		< 5
			I-F, siliceous portion with poss hydrothermal	-	
			qtz vein with py cubes & blebs Limonite-	-	
			stained quartz.	-	
0.4.05	1103	4400	0.00	-	• •
94-95	1167	1198	Site 25	_	14
			Wht & grn cherty section of FF 15% sulp,	-	
			mainly py. No witness.		
94-96	1161	1102	Site 26	•	
34-30	1101	1193		•	
			Diabase from a dike with intruded by 12cm	•	
			non-mag wkly lineated.	•	
94-97	1161	1105	Site 26	•	
37 37	1101	1133	Diabase, magnetic	•	
			Diabase, magnete	•	
94-98	1161	1195	Site 26	*	
3 . 30	,,,,,	1133	Diabase dike. Chill margin with sulp blebs.	•	
			Stronger mag	•	
			S. O. Igo. In C. Ig		
94-99	1162	1195	Site 26	•	
			Wkly folit'd matic volcanic with evenly	•	
			distributed tiny BOE.	•	
			•	*	
94-100	1275	1237	Sute 22a	•	
			Diabase, olivine diabase. Mag, 8cm swing.	*	
			-	*	
94-101	1141	1180	Dense deep-grn wkly tolit'd, non-mag, non-	•	
			carb with BQE	•	
				•	
94- 102			Site 12 - Station 2	•	
			Foliated & contorted grey mafic vol with	*	
			qtz & sulp blebs up to 11cm. Carbonatized	*	
			sections	•	
94-103	_		- Site 12 - Station 2	•	

			•	•	
	91 Grid			•	Αu
No.	East	North	DESCRIPTION	•	ppb
			Well bedded felsic fragmental with 20% sulp,		
			some as tiny cubes.	•	
				*	
94-104	_		Site 12 - Station 3	•	6
			Greywacke with <1/2% diss sulp. Carbontz'd	•	
				•	
94-105	1148	1195	Site 24 - Station 1	•	< 5
			Bedded magnetic chemical sed rock consisting	•	
			of blk & silica beds with app 2% sulphides.	*	
				*	
94-106	1148	1195	Site 24 - Station 2	•	
			Massive gabbroic to hypabyssal flow with	*	
			large sulp clots.	•	
				*	
94-106 b	1148	1195	Site 24 - Station 3	*	
			Massive highly amphibolz'd non-magnetic	•	
			/rare sulp. Progressively more foliated on 3	•	
			exes. BQE & minor cp. Carbontz'd sections	•	
				•	
94-107	_	_	Site 12 - Station 4	•	< 5
			Station 4 - Feldspar porphyry, non-folit'd	•	
			occ sulp speck. Wkly carbonatized.	•	
				•	
94-108	_		Site 12 - Station 5	•	< 5
			Carbontz'd blk slaty sed with 20% shiny py	•	
			Large witness not rep.	•	
				*	_
94-109	720	2129	Site 13 - Station A	-	< 5
			BQE feldspar porphyry (intrusive)	_	
			with occ sulp speck.	_	
04110	721	0150	City 12 Complete D	_	
94-110	731	2152	Site 13 - Station B		< 5
			Barren qtz/carb vein with greenish tinge.	_	
			No wallrock afteration.	_	
94-111	719	2132	Site 13 - Station C		
34-111	713	2132	Fig. granitoid, poss aplite. Occ BQE, minor		
			carb. Evenly distrib uted fine sulphides.		
			Cab. Everily distributed line sulphides.	•	
9 4- 112	719	2132	Site 13 - Station D	*	< 5
34-112	713	2132	Site 15 Site of D	*	13
94-113	-13	1158	Site 28	•	11
37 113	,,,	1130	Massive, granitoid, magnetic with 1% evenly	•	•
			distributed sulphides Qtz/carb /cp specks.	•	
			distributed surprinces degeate top speeces.	_	
94-116	714	2132	Site 13		
3.710	,,,	LIJE	Rusty weatherd well laminated rock from	•	
			contact between BQE porphyry & mafic vol.		
			and are porpriyry a mane too.	•	
94-117	-18	1160	Site 28		
			From contorted top part of siliceous	•	

	91 Gnd			•
No.	East	North	DESCRIPTION	-
			carbonatized vein-like material. Source of	
			original but with mopre sulphides	•
				•
4-118	-19	1165	Site 28	•
			Fresh green mafic volcanic rock with 2cm qtz	*
			vein Hairline carb veinlets and epidote	•
			•	•
4-119	-7	1173	Site 30	•
			Large bold knoll of pnk-weather'g felsic or	*
			silicified well lineated rock. Lineation in o/c	
			not visible in sample. Wkly mindz'd / fine diss	
			py & py cubes Formation contains 20cm-	•
			wide finely tapered unit of dk-gm vol rock	•
			, ,	*
4-120	-3	1190	Site 31	
			Carbonatized pink felsic porphyry of possible	
			intrusive origin <1mm pale-grey qtz-eyes	•
			2 8 2-2-47	•
1-121	-32	1214	Site 32	•
=	- -		Loose, buried under moss but on top bedrock	•
			Rusty, appearance of FF but non-mag, poss	•
			skam 2% sulphides	•
				•
F122	42	1333	Reworked, contorted, well foliated intermed	•
			volcanic rock. Weakly carbonatized.	*
			voicame road. Weally earbonances.	•
-122 a	-31	1215	Site 32	*
	•	12.5	Pnk-weathering wkly foliated felsic to interm	*
			volcanic rock.	*
			Voiceme rook.	*
1-123	241	1380	Site 33	
1163	L 11	1300	Pink-weathr'd telsic rock of probable volcanic	*
			origin Tapered inclusion of matic lava	•
			appears more the result of interbedding than	•
			xenolith Rocck is hard and mineralz'd /fine	•
			sulp includ'q py cubes Minor carb seams.	_
			supmore g by cases miles can seams.	•
1-124	300	1.483	Site 33	•
. ,,,	500	I TUJ	Pink-weathering well foliated grey felsic rock	•
			with occasional opalescent BOE but no sulp	•
			Softer than Sample 123 above, poss sencitz'd	•
			Coner than Campie 123 above, poss settick a	•
1.10E	4	1107	Can 21	
- 125	-4	110/	Site 31	•
			Granitoid brecca as small mass within mafic	-
			& felsic flows in a structural setting near felsic	-
			porphyry. Highly carbonalized	-
4 100	200	1050	04- 22	-
4-126	220	1352	Site 33	-
			M.g. to c.g. mottled interflow gabbroic rock.	-
				-
4-127	249	1346	Site 33	*

				_	
	91 Gnd			•	Αu
No.	East	North	DESCRIPTION	•	ppb
			Otz calc vein material hosted in mafic flow	*	
			with shiny chlorite/sericite face, not unlike	•	
			main floats. Sulp including blebs and cubes	•	
			throughout, but <1%. Magnetic.	-	
94-128	113	5 1332	Dk1-g. schistose . Minor parallel sulphide		
			laminations		



41875.0 (COMPLETE)

DATE PRINTED: 25-APR-94

PROJECT: NONE PAGE 1

SAMPLE	E	LEMENT	Au30
NUMBER		UNITS	PPB
			• •
92-33			>10000
93-12			3487
07-21B			308

All

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170



Certificate of Analysis

REPORT: 094-	41876.4 (CO	MPLETE)			PRINTED: CT: NONE	6-MAY-94	PAGE	1
SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Te PCT					
90-D 93-9 93-1				 				
9/2	1.			 				

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Lab Supervisor



Certificate **Analysis**

REPORT: 094-41875.5 (COMPLETE)

DATE PRINTED: 12-MAY-94

PROJECT: NONE

PAGE 1

SAMPLE

ELEMENT UNITS

92-33

20.13

Bondar-Clegg & Company Ltd. 5420 Canotek Road, Ottawa, Ontario, KIJ 9G2, Canada Tel: (613) 749-2220, Fax: (613) 749-7170



REPORT: 094-			DATE PRINTED: 30-MAY-94 PROJECT: NONE PAGE 1
SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	
		· · · · · · · · · · · · · · · · · · ·	
11ii.			
:::::::::::::::::::::::::::::::::::::::			
9/2			



REPORT: 094-42059.0 (COMPLETE)

DATE PRINTED: 6-JUL-94

PROJECT: NONE

PAGE 1

SAMPLE	ELEMENT	Au30	Ag	
NUMBER	UNITS	PPB	PPM	
94-20		<5		
94-21		<5		
94-24		65		
94-27		<5		
94-28		6		
94-34		<5		
94-35		<5		
94-36		6		
94-38		<5		
94-40		<5		
94-41		<5		
94-42		7		
94-43		18		
94-44		<5		
94-47		< 5		
94-48		15		
94-49		160	0.4	
94-50		23	0.2	
94-51		<5	***	
94-53		<5		
94-54		<5		
94-55		<5		
94-56				
94-56 94-57		6 <5		
94-57 94-59		<5		
		()		
94-60		35		
94-62		<5		
94-63 94-66		<5 <5		

H21.

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170



PROJECT: NONE PAGE 1	ELEMENT Au30 UNITS PPB <5 9 6	SAMPLE NUMBER 94-68
	UNITS PPB <5 9	
	<5 9	94-68
	9	
	· _	0/ /0
	6	94-69
		94-70
	8	94-74
	12	94-75
	-ড -ড	94-77 94-78
		94-78
	13	94-19
	34	94-81
	14	94-83
	6	94-84
	6	94-85
	13	94-86
	6	94-85

MI

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ottario, KIJ 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170



REPORT: 094-	42126.0 (COM	PLETE)		DATE PRINTED: 20 PROJECT: NONE	PAGE 1
SAMPLE	ELEMENT	Au30			
NUMBER	UNITS	PPB	 		
94-93 94-94		<5 <5			
94-94		14			
94-104		6			
94 - 105		< 5			
94-107		<5			
34-101					
94-107		<5			
		<5 <5			
94-108		-			
94-108 94-109		<5			
94-108 94-109 94-110 94-112		<5 <5 <5			
94-108 94-109 94-110 94-112		<5 <5 <5			
94-108 94-109 94-110 94-112		<5 <5 <5			······································

9/2

Bondar-Clegg & Company Ltd. 5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada Tel: (613) 749-2220, Fax: (613) 749-7170



#93-1

Certificate of Analysis

Inchcape Testing Services

DATE PRINTED: 1-NOV-93 REPORT: 093-42483.4 (COMPLETE)

PROJECT: JMG

PAGE 1

SAMPLE ELEMENT Te NUMBER UNITS OPT PCT

23.13

0.06

020

2.16319

Bondar-Clegg & Company Ltd. 5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada Tel: (613) 749-2220, Fax: (613) 749-7170



Inchcape Testing Services

			 					15-oct-				
REPORT: 093-4	42483.0 (COM	PLETE)				PROJEC	T: JMG			PAGE		
				-		 						
SAMPLE Number	ELEMENT UNITS	Au PPB										
93-1		10000	000	Pre)		 						
93-2		7189										
93-3		9821										
		,	 			 						
			 			 		•••••••				
•••••••••••	•••••••••••									•••••		
												· • • • • •
			 			 				• • • • • • • • • • • • • • • • • • • •		
			 			 ••••••					*************	
			 			 	•••••					
												_
	••••••••		 	*****************	· · · · · · · · · · · · · · · · · · ·	 	***************************************		••••••	···········		



Certificate of Analysis

				DATE PRINTED:	6-NAY-94		
REPORT: 094-4	1876.4 (COMPLETE)			PROJECT: NONE	•	PAGE 1	
SAMPLE	ELEMENT Au	Te					
NUMBER	UNITS OPT	PCT					
90-D	36.613	0.22		•••••			· · · · · · · · · · · · · · · · · · ·
93-9	1.653	0.03					
93-1	2.627						
			•••••				
	,	•••••••••••••••••••••••••••••••••••••••					••••••
		•	•••••••••••••••••••••••••••••••••••				
		••••••					
······································			••••••				

		***************************************	•••••	***************************************			
		····					
							-
				······································			



- 111C	meape res	ting Services	·	Report
REPORT: 094-4	11970.0 (COMPLETE)		DATE PRINTED: 30-MAY-9 PROJECT: NONE	PAGE 1
SAMPLE NUMBER	ELEMENT AU30 UNITS PPB			
94-3	8	.,		
BU-62	8			
93-8	120			



Inchcape Testing Services

					DATE PRINTED:	11-NOV-93		•••
REPORT: 093-	42593.0 (COM	PLETE)			PROJECT: T.P.		PAGE 1	
CAMPLE	EI ENEUT							
SAMPLE NUMBER	ELEMENT	Au PPB						
MATEL N								
93-15		47						
93-16		7						
93-17A		6						
93-17B		6						
93-18		57			••••••			
93-19A		7		•••••		••••••		
93-198		<5						
93-19C		25						
93-190		14						
93-19E								
93-20A		<5						
93-208		95						
93-22		6						
93-23		<5						
					•••••			
						· · · · · · · · · · · · · · · · · · ·		
			•••••••••••••••••••••••••••••••					
						•••••••••••		•••••
			•••••••••••••••••••••••••••••••••••••••					



REPORT: 094-4	REPORT: 094-41875.0 (COMPLETE)			DATE PRII PROJECT:			: 25-APR-94	PAGE	PAGE 1	
SAMPLE Number	ELEMENT UNITS	Au30 PPB							·-	
92-33 93-12 93-218		>10000 3487 398								
									······································	



			DATE PRINTED: 20-JUL-94					4			
REPORT: 094-4	2126.0 (COM	PLETE)				PROJECT: NO	ONE	PAG	E 1		
SAMPLE	ELEMENT	Au30									
NUMBER	UNITS	PPB									
							·····				
94-93		<5									
94-94 94-95		<5 14									
94-104		6									
94-105		<5									
		· · · · · · · · · · · · · · · · · · ·						•••••	•••••		
94-107		<\$.e								:	
94-108		<5 .e									
94-109 94-110		<5 <5									
94-110		<5									
74-112											
94-113		11									
94-114		< 5									
94-115		78									
										1	
										i	
				· · · · · · · · · · · · · · · · · · ·							



REPORT: 094-42080.0 (COMPLETE)		LETE)	DATE PRINTED: 12-JUL-94 PROJECT: NONE	PAGE 1
SAMPLE	ELEMENT	Au30		
NUMBER	UNITS	PPB		
94-68		<5		
94-69		9		
94-70		6		
94-74		8		
94-75		12		
94-77		<5		
94-78		< 5		
94-79		< 5		
94-80		13		
94-81		34		
94-83		14		
94-84		6		
94-85		6		
94-86		13		



REPORT: 094-42059.0 (COMPLETE)			PROJECT: I	TED: 6-JUL-94	PAGE 1	
SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM			
94-20		<5				
94-21		< 5				
94-24		65				
94-27		<5				
94-28		6				
94-34		<5	······································			
94-35		<5				
94-36		6				
94-38		<5				
94-40		<5				
94-41		<5			***	
94-42		7				
94-43		18				
94-44		<5				
94-47		<5				
94-48		15				
94-49		160	0.4			
94-50		23	0.2			
94-51		<5				
94-53		<5				
94-54		<5				
94-55		<5				
94-56		6				
94-57		< 5				
94-59		<5				
94-60		35				
94-62		<5				
94-63		<5				
94-66		<5				



REPORT: 094-42080.0 (COMPLETE)		PLETE)	DATE PRINTED: 12 PROJECT: NONE	PAGE 1
SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB		
94-68		<5		
94-69		9		
94-70		6		
94-74		8		
94-75		12		
94-77		<5		······
94-78		<5		
94-79		<5		
94-80		13		
94-81		34		
94-83		14		
94-84		6		
94-85		6		
94-86		13		



Report of Work Conducted After Recording Claim

416 047 F141 (ENG.N) No. - 04 W 9580 · 00 708

longeryl information appeared on this form is obtained under the authority of the parties should be directed to the Provincial Manager, Mining Lands, Rydiury, Criselin, PSE 646, seleptons (706) 670-7894.



- restructions: Places type or print and submit in duplicate.
 Refer to the Mining Act and Regulations for .
 Recorder.

2.16319

900

. A separate copy of this form must be completed for each Work Group.

- Testwicel reports and maps must accompany this form in duplicate.

· A skeld	रा, झांक्सबचु यम असा।	the motif it standard to turn	describibly man court	
LEP 19 AL	WZ. 7	TTAT	202200	
		_	ONTARIO 205 847	3/41
ARDER	4	BURROWS TW	IN at 6 her lat.	
The second second		10, 1993 TE	NEVENBER 2,1	505
	k One Work Group C		THE TAIL	ماميا
West Group	N ON THOSE COUP C	Тур	1	
Gestschnissi Survey	Resupe	O BANGAYE,	TARING & SOM	
Physical Work, including Chilling				
Rehabilitation		[an got b		
Other Authorized Work	1	ese change and qual	4	
Arrey4		appro 46		
Astignment from Reserve				H27
al Assessment Work	Claimed on the Atte	ched Statement of Costs 5	40.660-14	1306.
D. BAIR	0	145 DUNN AV	ENVE TORONTO O.	9110
				
lash a periodicia if sec				
	••	Note No. 1 on reverse side		•
parily that at the Gray See	work was parlenged, the a surroug holder's same or hol	laborate annual by this make [Cities	2, 95	7
riffication of Work	Report		,	
	and imputedge of the feet	e ant forth in this Work report, heving	purformed the work or witnessed same Quite	dega tyn
The ball Address of French	Curaying	772 See 20 D	- PAKULLE O.	
Andre	The Allera	Ourther I	The Oskynia Cu	Carle.
•	SMI NOVE	/		
r Office Lies Only Year Visit of Mathematic	Data Recorded	ACTING MENING RECOR	OFR PECENTED	 -
1. 1.	95.7/N	6 Kanglisto	MINING DIVISION	
ppled	96 F-L	700	NOV 6 1995	
Perme	COM HARLE HE ATMEND	i lin		
-106			1	

HERMANN_TITTLEY

416 847 8141

Credits you are deliming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (>) one of the following:

- 1. Credits are to be out back starting with the claim field last, working backwards
- 2. Credite are to be out back equally over all claims contained in this report of work.
- 3.
 ☐ Credits are to be cut back as priorized on the attached appendix.

in the event that you have not specified your choice of priority, option one will be implemented.

Note 2: If work has been performed on paramed or leased land, please complete the following:

	I confly that the recorded holder had a beneficial interest in the perented- or loased land at the time the work was perferred,	Signature Date	
ı	l	<u> </u>	

416 847 3141

P. 82 1201274 1201293 1201291 Chief Parket COL 2 P 7 STATE OF THE PARTY 0 9 0 800 1600 7600 A CANAL VALUE Q 3660 0 0 0

Credits you are claiming in this report may be out back, in order to minimize the adverse effects of such detections, please indicate from which claims you wish to priorize the detects of credits. Please mark (ν) one of the following:

- 1. Credits are to be out back starting with the claim flated last, working backwards.
- 2. Credits are to be cut back equally over all claims contained in this report of work.
- 3. Credits are to be cut beck as priorized on the attached appendix.

in the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining stalms.

Note 2: If work has been performed on petersted or lessed land, pieces complete the following:

I confly that the recorded hatder had a baneficial incurred in the patented or leased land at the sine the work was perfermed.	Signature	Dess
		l l





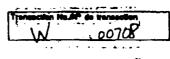
Ministry of Northern Development and Mines

Ministère du Dévoloppement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Lot sur les mines



W 9580.00708

sonal information collected on this form is obtained under the authority he littining Act. This information will be used to meinteln a record and joing status of the strining claim(s). Questions about this collection should directed to the Provincial Manager, Minings Lands, Ministry of Northern propriets and Mines, 4th Floor, 188 Ceder Street, Budbury, Orderto 2 8AS, Lelephone (705) 670-7284.

Les renseignements personnel recuellits en vertu de la Lel sur it des concessions minières. Admirensignements au étaif provi Développement du Nord et des (Ontario) PSE 8AS, 1646phone (7

eant pletre ces i du bury

Direct Costs/Coûts directs

Туре	Description	Amount Monient	Totals Total global
ages sistres	Labour Main-d'oeuvre	/338	
	Fleid Supervision Supervision our le terrain	2813	4151
ontractor's ad Consultant's	DAAFTING	2328	
roits de Intropreneur	INTERRETATION	2134	
de l'experi- mesti	REPORT	1164	5626
ipplies Used iumitures	ASSAYS	852	
Modes	DRAFTINCHIME	470	
			/322
julpment intel	"ATV	485	
stárici	SNOBILE	485 504	
			989
	Yolal Di Yolal des co	rect Costa Na directa	12089

2. Indirect Costs/Coûts Indirects

Note; When claiming Rehebilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les cobts indirects na sont pas admissibles en tent que travaux s'éveluation.

Тура	Description	Amount Montant	Totals Total global
Transportation Transport	CASOLINE	650	
	WAGES/TO AVEL	846	
	TRAVEL OPFICE	184	
	RENTALS	97	
			1777
Food and Ladging Hoursture at historyement	GROCERIES &	427	427
Mobilization and Demobilization Mobilization at démobilization	WAGES	262	262
	Sub Total of indi Total partiel des coût		2466
	inst greater than 20% of Di (n'expident pas 29 % des		24/8
Total Value of Assi (Total of Direct and a Indirect conta)		rie de prielle 18 18 de seule	14,506

:e: 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 works all or past of the assessment work submitted.

Note : La titulaire enregitaré sera tenu de vérifier les dépenses demendées dans le présent état des coûts dans les 30 jours suivent une domande à cet effet. Si la vérification n'est pas effectués, le ministre pout rejetor tout ou une partie des traveux d'évaluation présentés.

ng Discounts

J点: U INC

Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

Work filed three, lour or five years after combilition is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

al Value of Assessment Credit Total Assessment Claimed × 0.50 =

- Les traveux déposés dans les deut ans seirent leur achèvement sont remboursés à 100 % de la veleur totale susmentionnée du crédit d'évaluation.
- Les traveux déposés trols, quatre ou cinq ave après leur achévement sont remboursés à 50 % de la valeur intele du crédit d'évaluation susmentionné. Voir les calculs ci-desens.

Valour totale du ordidit d'évaluation Bratuation totale démandée × 0,50 =

rtification Verifying Statement of Costs

reby certify:

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

Las RECORDED HILDER I am authorized

Allestation de l'état des coûts

J'atteste par la présente :

que les montants indiqués sont le plus exect possible et que ces dépenses ont été engagées pour effectuer les traveux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

El qu'à titre de places arregions, représenters, poète accept dans le compagnet

nake this certification

à faire cette allesjation.

De 22 75



HERHANN_TITTLEY
Report of Work Conducted After Recording Claim

THE MEMBER! NO. - 84 W 9580 · 00708

leternal information sufficient on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions the calledies should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Consequent and Manager, Fourth Finne, 196 Queler Street. Retainly, Counts, PSE 64.5, telephone (706) 670-7884.

natruetiens: - Please type or print and submit in duplicate.

- 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. 2.16319
- A separate copy of this form must be completed for each Work Group.

- Testinical reports and maps must accompany this form in duplicats.

- A sketch, showing the claims the work is sasigned to, must accompany this form.

ALDER LAKE BURNET TOP. ALDER LAKE BURNET TOP. GENERAL TO					College Mo.	 }
ARDER LAKE BURNET TOP. G-957 From November 10, 1993 To November 2, 1395 Forth Performed (Otheck One Work Group Only) Well Stroup Geological Review Geological Review Geological Review Replaced Work From November 10, 1993 To November 2, 1395 Replaced Work Assignment from Review Assign	TO THE REAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS O				Totalinado No.	<u></u>
ARDER LAKE BURDENS TOP G-957 Total Performed (Check One Work Group Only) With Broup Gestochnical Rurvey Gestoc	273 SNOT	VOEN Res.	DAKVILL	E ONTARIO	905 847-	3/4/
The Service of Chapter Ones Work Group Only) Gestachnies Runny Gestachnies Runny Gestachnies Runny Figural Work Figural Work Figural Work Including Office Coffer Authorized Work Asseys As					6-959	
Gestocheleal Runner Physical Work Including Drifting Rectard Work Coher Authorized Other Authorized Assessment Work Claimed on the Attached Statement of Ocata Assessment Work Claimed on the Attached Statement of Ocata Stati Assessment Work Claimed on the Attached Statement of Ocata Stati Assessment Work Claimed on the Attached Statement of Ocata Stati Assessment work cannot work y expenditures celebrad in the statement of Ocata Stati Assessment work submitted if the response holder cannot work y expenditures celebrad in the statement of ocata within 30 days of a requiset for verificalism. Browns Browns Whene H. Z. Trought 273	Promi	SOVE 1785A	10, 1993	Ta NIVE	78ER 2,1	725
Generacinities Review Principal Voors, Including Driffing Principal Voors, Including Driffing Principal Voors, Including Driffing Assignment from Control April Principal Control		k One Work Group O	nty)			dest
Physical Work Including Drilling Perspatification Other Authorized Work Assessment Work Claimed on the Attached Statement of Costs Assessment Work Claimed on the Attached Statement of Costs The Milester may reject for assessment work credit all or part of the assessment work authoritied if the responsed holder sennet verify expenditures claimed in the observant of costs within 30 days of a request for verification. Actives History History April History History April History History April History History April History April History History April History History April History		Ra A . A	4- 2 m		e ch	SOYING
stal Assessment Work Claimed on the Attached Statement of Oosta 6 prior: The Minister may reject for assessment work credit all or part of the assessment work submitted if the respected holder earned verify expenditures claimed in the obstantent of costs within 30 days of a request for verification. Assessment work (Give Name and Address of Author of Report) Reme		HALLAND	TENTAL.	, 77 A 19/A	6 7 444	
otel Assessment Work Claimed on the Attached Statement of Oosta 6 pier: The Minister may reject for assessment work credit all or part of the assessment work submitted if the respected holder cannot verify expenditures claimed in the obstantent of costs within 30 days of a request for verification. areons and Survey Georgany Who Performed the Work (Give Name and Address of Author of Report) Name	Including Criting		- A	re		
stal Assessment Work Claimed on the Attached Statement of Oosta 6 prior: The Minister may reject for assessment work credit all or part of the assessment work submitted if the respected holder earned verify expenditures claimed in the obstantent of costs within 30 days of a request for verification. Assessment work (Give Name and Address of Author of Report) Reme			Jan 92			
otel Assessment Work Claimed on the Attached Statement of Oosta 6 gits: The Minister may reject for assessment work credit all or part of the assessment work automitted if the respected holder connect workly expenditures claimed in the obstantent of costs within 30 days of a request for varification. areons and Survey Georpany Who Performed the Work (Givo Name and Address of Author of Report) Name		1	ese wed all	2107		
otel Assessment Work Claimed on the Attached Statement of Oosta 6 gits: The Minister may reject for assessment work credit all or part of the assessment work automitted if the respected holder connect workly expenditures claimed in the obstantent of costs within 30 days of a request for varification. areons and Survey Georpany Who Performed the Work (Givo Name and Address of Author of Report) Name			am			
otel Assessment Work Claimed on the Attached Statement of Oosta 6 pier: The Minister may reject for assessment work credit all or part of the assessment work submitted if the respected holder cannot verify expenditures claimed in the obstantent of costs within 30 days of a request for verification. areons and Survey Georgany Who Performed the Work (Give Name and Address of Author of Report) Name			· · · · · · · · · · · · · · · · · · ·			
Noticer connect verify expensibles a climad in the electricity of costs within 30 days of a request for verificalism. Address and Survey Georgeany Who Performed the Work (Give Name and Address of Austror of Report) Rame Address Addre	xal Assessment Work				1660-14	-306.
Have Address of Author of Report Have Address of Author of Report 1-2-7-7-2-1-1 D. BAIRD 145 DUNIN AVENUE TOZONTO- CLASTILL Distribution of Beneficial Interest * See Note No. 1 on reverse side 1-45 DUNIN AVENUE TOZONTO- CLASTILL Sectification of Beneficial Interest * See Note No. 1 on reverse side 1-45 DUNIN AVENUE TOZONTO- CLASTILL Section has at the time the sure was performed, the element covered in this work I seekly has at the time the sure was performed, the element covered in the surest hoteler's minus or hold under a beneficial interest I seekly that I have a personnal introducing of the floor set forth in the Work report, having performed the work or witnessed some disting sodier at the considered and present more in true. The TITLEY 273 SNIW DEN ROLD ONKYLLE CUTTOLL GETTING THE MARKET BECOMER THE SECTION DESCRIPTION AND THE CONTROL OF THE PROCESS OF THE CONTROL OF THE PROCESS OF THE CONTROL OF THE C	ste: The Minister m	sy reject for assessme	int work credit all or part			
H. Z. TITCLEY 273 SNOWBY ROLD ONKYLLE GUTS D. BAIDD 145 DUNN AVENUE TORONTO. ONED 11 Service and the service of the servic	halder eennet v	arily expenditures del	imed in the abdoment of o	costs within 30 days	of a request for veri	Aesten.
H. 2. TITTLEY 273 SNOWAN ROAD CIKYLLE GUTSE D. BAIDD 145 DWW AVENUE TO OATO. CHORE DISTRIBUTION OF BENEFICIAL Interest.* See Note No. 1 on reverse side Foodly that at the time the work was performed, the deliver accounted in this work. The service reserved in the extreme lightler's works or held under a beneficial interest. NOV 2, 95 ACTUAL MANUAL STATES AND PARALLES OF THE STATES OF THE STA			med the Work (Give Nam		ethor of Report)	
D. BAIDD 145 DUNN AVENUE TO CONTO. ONE 11 Description of Beneficial Interest. "See Note No. 1 on reverse side 1 seeks that at the time the tour's tree performed, the element appeared in this work manual tree seeks in the comment function's name or hald under a banaddel interest. 1 perfly that I have a permanal functioning of the feath and forth in this Work report. Neving performed the work or witnessed states and servine devices and states and forth in the Work report. Neving performed the work or witnessed states and servine devices of the feath and forth in the Work report. Neving performed the work or witnessed states and servine devices of the feath and forth in the Work report. Neving performed the work or witnessed states as a consistent and generated input in true. 1000 day Address of Prescot Cordying 100	. /	···				
Itself a schoolule if measurery) pertification of Beneficial Interest. "See Note No. 1 on reverse side pertification of the screen by the soft was performed, the cluster covered in this work report was performed by the custom aborescale interest. NOV. 2, 95 pertification of Work Report pertification of Work Report pertification and expressed report in true. Interesting the surround true for the facts and forth in this Work report, having purformed the work or witnessed come during specific at the recognition and expressed report in true. Interesting the surround true for the facts and forth in this work report, having purformed the work or witnessed come during specific at the recognition and expressed report in true. Interesting the surround true for the facts and forth in this work report, having purformed the work or witnessed come during specific at the recognition to the facts and surround true. Interesting the surround true for the facts and the fac						
partification of Beneficial Interest. * See Note No. 1 on reverse side seeby that at the time the work was periorited, the eletine asserted in this work seeby that at the time the work was periorited, the eletine asserted in this work seeby the seedy technique of the feel set forth in this Work report. Heaving performed the work or witnessed some disting ending all its scenarious and proposed report in true. seeby their I have a personal incoverage of the feels set forth in this Work report. Heaving performed the work or witnessed some disting ending all its scenarious or research Cordinal See Note that Work Report See Note that the work or witnessed some disting ending all its scenarious or research Cordinal See Note that work is the work of witnessed some disting ending all the scenarious or research to true. See Note that the work or witnessed some disting ending all the scenarious or research to true.	D. BALD	2	145 DUNN	AVENUE 7	DONTO OA	9110
partification of Beneficial Interest. * See Note No. 1 on reverse side seeby that at the time the work was periorited, the eletine asserted in this work seeby that at the time the work was periorited, the eletine asserted in this work seeby the seedy technique of the feel set forth in this Work report. Heaving performed the work or witnessed some disting ending all its scenarious and proposed report in true. seeby their I have a personal incoverage of the feels set forth in this Work report. Heaving performed the work or witnessed some disting ending all its scenarious or research Cordinal See Note that Work Report See Note that the work or witnessed some disting ending all its scenarious or research Cordinal See Note that work is the work of witnessed some disting ending all the scenarious or research to true. See Note that the work or witnessed some disting ending all the scenarious or research to true.					·	
partification of Beneficial Interest. * See Note No. 1 on reverse side seekly that at the time the work was performed, the elabora asserted in this work seekly that at the time the work was performed, the elabora asserted in this work seekly that is the servent indicated a serve of hald wider a beneficial interest seekly that I have a personal interestage of the feeth and forth in this Work report. Heaving performed the work or witnessed some desiring and/or at seekly that I have a personal interestage of the feeth and forth in this Work report. Heaving performed the work or witnessed some desiring and/or at seekly that I have a personal interestage of the feeth and forth in this Work report. Heaving or witnessed some desiring and/or at seekly that I have a personal interest in true. seekly that I have a personal interest in the feeth in this Work report. Heaving or witnessed some desiring and/or at seekly that I have a personal interest in the work or witnessed some desiring and/or at seekly that I have a personal interest interest in the work or witnessed some desiring and/or at seekly that I have a personal interest in						
possibly that as the time the work was performed, the claims accorded in this work many respected in the current hotcher's warre or hold water a beneficial interest. NOV 2, 95 Artification of Work Report Sportly that I have a personal increasing of the faces and forth in this Work report. Having purformed the work or witnessed some disting and/or all the surgicial and exceeded report in true. The TITTLEY 273 NOW DEN ROLD ONKWILLE GUTTALL Southing No. 1007 1	ltoth a actodule if nec	nonary)				
regard wave reported in the extreme function's warran or hold wader a banefolds interest. NOV 2, 95 Artification of Work Report Serify that I have a parametrial backwarding of the food and forth in this Work report, having partormed the work or witnessed some diving and/or at its surplation and generated report in true. His my hadrons of Power Configure H. Z. TITTLEY 273 SNOW DEN ROLD ON CONTROL GUITANT Outside No. Outside	ertification of Monoff	cial interest " See !	Note No, 1 on reverse si	de		
artification of Work Report serify that I have a personal inneredge of the fees set forth in this Work report, having performed the work or witnessed some desing endlor at the screphilds and exceeds impart in true. Serify that I have a personal innered to true.			since covered in this work	Recon		7
I sertly that I have a permonal torontedge of the feom and forth in this Work report, heating performed the work or witnessed some disting and/or at the somethides and general report in true. Sets and Authority of Presch Cordising H. Z., TITTLEY 273 SNEW DEN ROLD ON ROLD ON ROLD OF THE CONTROL OF THE CO			[N	002, 95		
THE OFFICE CONSTITUTE OF PRODUCT OF THE NOTION OF MANY CONTROL OF THE NOTION OF THE PRODUCT OF THE NOTION OF THE N	artification of Work	Report		·	· · · · · · · · · · · · · · · · · · ·	
H. Z. TITTLEY 273 SNOW DEN ROLD ONKYLLE GUTTALIS 905 847-3/4/ NOVEMBER 2, 1995 STREET	h		est forth in this Work report, he	rving purformed the wor	or witnessed some dirie	g endor after
915 547-3/4/ November 2, 1995 Office Use Only The Office Use Only ACTING MORE RECORDER ACTING MORE OF THE PROPERTY OF THE	Mile and Address of Possis	Certifying	73 Cas	0 045		
THE OFFICE CO. PROPERTY DATE PROPERTY CO. O. O. O. PROPERTY CO. O. O. O. O. O. PROPERTY CO. O. O. O. PROPERTY CO. O. O	H. L. 117		Certa	WARY	ILLE (W)	TALLA.
Treat vising Cr. Principles Date Percodus	915 847-	3MI NOVE	1850 2, 1995	$\mathcal{Y}Z$	Total -	
Treat Visit Cr. Middleton Date Recorded	or Office Lies Only		ACTIVE NOTICE FO	CONCER	בבתבו/יבט	1
Mining Division	Year Velice Cr. Reserve	Outs Purcoded OF 10-1	6	200	ANDER LAKE]
	applied	Comment Approved Date	The series	71027		
96 Feb 04 NOV 0 1995	9 15959	96 Fet 0	14 00		MDA @ 1842	
Keone	Kenne	COM THESE SE AMERICAN	ा व्यक्त			
		L				

HERMANN_TITTLEY 416 847 8141 P. 82 Ĭ 赵 ব Claim Number (see Note 2) W S ≫ 6/ Signal Signal Walte of Agency mand Work Dose on the Cute 18 E THE Q Pleasere: Work to be Claimed at Future Date e claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from our wish to priorize the deletion of credits. Please mark (>) one of the following: 2. Credits are to be cut back equally over all claims contained in this report of work. Credits are to be cut back as priorized on the atlached appendix.

Note 1: Examples of baneficial interest are unrecorded transfers, option agreements, memorandum of agreements, sto., with respect

Note 2: If work has been performed on patented or leased land, places complete the following:

In the event that you have not specified your choice of priority, option one will be implemented.

I certify that the recorded holder had a beneficial interest in the parented- or lossed land at the time the work was perferred.	Squature	Dale
	1 	





Ministry of Northern Development and Mines

Ministère du Dévriopprennet du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Lot sur les mines

_ a. a. s	
Transaction	No./Nº de transaction
IN	00708
	a estes la las este d

W 9580.00708

sonal information collected on this form is obtained under the authority he Mining Act. This information will be used to aphtein a record and poing attains of the mining claim(s). Questions about the collection should directed to the Provincial Manager, Minings Lands, Ministry of Northern and Minos, 4th Ploor, 188 Cadar Street, Budbury, Ontario

8 AS, Islaphone (705) 870-7264.

Direct Costs/Coûts directs

Туре	Description	Amount Montent	Totals Total globel
ogee Johns	Labour Main-d'oeuvre	/338	
	Fleid Supervision Supervision sur le terrain	2813	4151
ontractor's ad Consultani's	DAAFTING	2328	
olte de Intrepreneur	INTERRETATION	2134	
de l'expert- neeli	REPORT	1164	5626
appiles Used	ASSAYS	852	
Maées	DRAFTINCHIME	470	
			/322
julpment intel	ATV	485	
rcation de atériei	SNJBILE	485 504	
			989
	Total Di Total des co	rect Costs Dis directs	12009

2. Indirect Costs/Coûts Indirects

** Note; When claiming Rehebilitation work indirect costs are not allowable as essessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pes admissibles en lant que traveux d'évaluation.

Тура	Description	Amount Montant	Totals Total global
Transportation Transport	CASOLINE	650	
	WAGES/TRAVEL	846	
	TRAVELOFFICE	184	
	RENTALS	97	
			7777
Food and Ladging Nouriture et hébergement	GROCERIES &	1/27	427
Mebilization and Demobilization Mebilization et démobilization	WARES	262	262
	Sub Total of Indi		1411

Total partiel des coûts indirects Amount Allowable (not greater then 20% of Direct Costs)

Montant admissible (a'excédent pas 29 % des coûts directs
Total Value of Assessment Credit
(Total et Direct and Allewable
Indirect casts)

(Total des coûts directs

14,506

:e: The recorded holder will be required to verify expenditures claimed in this statement of coets 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 les présent état des coûts dans les 30 jours suivent une domande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentée.

ng Discounts

نَا بِإِفِلَ

Remises pour dépôt

Work fited within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

Work filed three, lour or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

al Velue of Assessment Credit Yotal Assessment Claimed × 0.50 =

- Les travaux déposés dans les deux ans suivant leur achévement sont remboursés à 100 % de la valeur juisée ausmentionnée du crédit d'évaluetion.
- Les traveux dóposés trois, quetre ou cinq ens après leur achèvement sont rembouraée à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calcuts ci-dessous.

Valour totale du crédit d'évaluation

Evaluation totale démandée

× 0.50 =

rtification Verifying Statement of Costs

sreby certify:

I the amounts shown are as accurate as possible and these costs is incurred white conducting assessment work on the lands shown the accompanying Report of Work form.

RECORDED HILDER I am authorized

Attestation de l'état des coûts

J'atteste par la présente :

que les montants indiqués sont le plus exact possible et que ces <u>dé</u>penses 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 (Guiste anregisté, représentars, poète accupé dans le compagnie)

nake this certification

à faire cette allesjation

The Da 22 95

TEL: 705 567 5621

11111EWUED

HODGE STOWN OF HOGE After Recording Claim

Making Act

reflected on the form is calabled under the suburby of the lifting Act. This information will be used for approximate the Approximate Act to the Proximital Manager, Mining Lands, Mining of Northern Development and Mines, Result Floor, 150 Goder Mines, and Lands, Independent Crisis (170-7264).

- restions: Pieses type or print and submit in duplicate.
 Refer to the Mining Act and Regulations for requirements of tiling 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 seeigned to, must accompany this form.

2.16319

				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
LE 1 W	LNN Z.	TITZEY		262200
			ILLE OFTAR	
HE THERE IS NOT THE PARTY OF TH	=	Townson In Co.	ws Two.	6-9C
	November 1	<del>-</del>	NOVE	118ER 2 / 995=
rk Performed (Che	sk One Work Group O	(India	Туре	
Gastesfuled Survey			14.40	de Carrier
Singles Work,	String	A	renghing	1
Rehelitation		109-	111111111111111111111111111111111111111	
Other Authorized Work		TIPLE DE	L 960104	1.1
Asseys	CARREC	1114 11 1		401
Andgrenant fram Reports		المال		\$ 24.954
or in the managed Au	k Claimed on the Attac	hed Statement of Co	uts 1	
Act The Minister M	my reject for encessme	ini work eredit all or	part of the segmenters	work submitted If the recorded
THE PART - MILESTON	and extransmission on	INOU III VIO OCERNIGI	CA COSCS MIGHT SC SE	re of a rectuest for varification.
	Sompony Who Perform	med the Work (Give	Name and Address of	Author of Report)
				0144412
4.2. Tirn				OIKVILLE BUTILLE
D. B. A. 1. R. A.	? <u>.                                    </u>	145 DUN	N AVENUE	Terente ONTARIA
	,, <del></del>	<u> </u>		
lack a schodule II no	cuttory)		· ——	
riffication of Bones	fatul Interest * See 1	Note No. 1 on rever	ee side	
	work was parlermed, the ch surport holder's name or held		Date Tubi	OHO II
the series recorded in			Nov 2, 95	//- FEE
riffeetion of Work	Report		•	
eatily that I have a part	and increaded of the facts	set forth in this West rep	ort, having performed the WC	rk or witnessed serve during entitier titler
M AND AND A PROPERTY OF THE PERSON OF THE PE	of report in brise.		^	
LERMANN	L. LITTLE	× 223 Sau	ween Kuld B	WANTE CAMPOIL
905 147-	VY/ Neven	•	7/	left-
/ Office Use Only	ه مایند. است. این مورد سیده سید.	, ,		HEGGE
AN ASSESSMENT	Date Mecerdal	No.	(X p	AND PARTY OF THE P
applied	957/00	6 Kary	UM	MINING DIVISION
15999	96 40%	~4 \ <del>\</del>	]	NEW 6 1995
Reserve	THE WAS IN THE PARTY.	T Com	······································	
1955				

Note 1: Examples of boneficial interest are unrecorded transfers, option agreements, momentum of ogreements, etc., with respect to the mining stalms.

Natio St. If work has been purfusmed an patented or leased land, please complete the followings

I comity that the recorded holder had a bandfuld interest in the patented	Signature	Date	
or traced land at the time the work was performed.		<u> </u>	



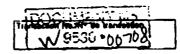


Ministry of Northern Development and Mines

Ministère du Dévoloppement du Nord et des mines

## Statement of Costs for Assessment Credit

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



W9580.00709

#### Mining Act/Loi sur les mines

record information collected on this form is obtained under the authority the Mining Act, This information will be used to maintain a record and going status of the mining claimty). Questions about this collection should directed to the Provincial Manager, Minings Lands, Ministry of Northern velopment and Mines, 4th Phorr, 156 Cedar Street, Budbury, Ontario E SAS, telephone (705) 870-7284.

#### Direct Costs/Coûts directs

Туре	Description	Amount Montant	Totals Total global
inges alaires	Labour Main-d'oeuvre	2678	
	Field Supervision Supervision sur le terrain	5630	8309
ontractor's nd Consultant's	DAAFTING	4465	
ees roits de antraproneur	INTERPRETATION	328	
t de l'experi- ensell	REPIRT	2330	7184
upplies Used purnitures	FIELD & FUELS	77/	
gietes	EXPLOSIVES	408	
	DRAFTING POFFICE	472	
			1650
quipment lemai	TTV	1498	
ocation de salériai	PLUCEBR, BAT SAWS. ETC	2155	
			365
	Total Di Total des co	rect Costs Ote directs	20,725

#### 2. Indirect Costs/Coûts Indirects

* Prote: When claiming Rehabilitation work indirect costs are not allowable as assessment work. Pour le rempoursement des insvers de nihebilitation, les coûts indirects ne sont pas admissibles en tent que insveux d'évaluation.

Туре	Description	Amount Montant	Totale Total global
Transportation Transport	CASOLINE	15/8	
	WAGES /TRIVEL	1976	
	TRAVEL	426	
	RENTALS	243	
			4/64
Food and Lodging Nourriture of	GROLERIES	10.11	
hébergement	FIBLS	1010	1010
Mobilization and Domobifization Mobilization et dismobilization	WACES	595	575
	Sub Total of Indi Total partial des coût		5768
	(not greater then 20% of Di I (n'excédent pet 20 % des		4159
Total Value of Ass (Total of Direct and		do do cridil M	24,954

- ste: 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 secessificant work all or part of the senesament work automated.
- Note: Le Blutairs enregistré sers tenu de vérifier les dépenses demendées dens le présent état des coûts dans les 30 jours suivent une demende à cet effet. Si le vérification n'est pes effectuée, le ministre peut rejeter tout ou une partie des traveux d'évaluation présentée.

1. Les travaux déposés dans les dout une suivant leur achévement sont

2. Les travaux déposés trois, quaire ou cinq ans après leur achèvement

remboursés à 100 % de la veleur totale ausmentionnée du crédit d'évaluation.

sont remboursée à 50 % de la valeur totale du crédit d'évaluation

#### .ting Discounts

Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

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

old Value of Assessment Crack

Youth Assessment Claimed

X 0.60 a

**A** 

Valour totale du crédit d'évaluation Evaluation

susmentionné. Yoir les calcuts di-dessous.

× 0,50 •

#### ertification Verifying Statement of Costs

#### nereby certify:

at the amounts shown are as accurate as possible and these costs are incurred white conducting assessment work on the lands shown the accompanying Report of Work form.

al so <u>RECARDED HOLDED</u> i em authorizad

## make this certification

### Atteniation de l'état des coûts

#### J'alieste par la présente :

Remises pour dépôt

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 di-joint.

Et qu'à titre de je suie autorisé (titulaire erregieré, représentant, posis eccupé dans le compagnie)

#### à faire cette attestation.

9/2/M Dei 22 95

TEL: 705 567 5621

AMENDED

## HODOR BY WALL COMMENS After Recording Claim

Mining Ast

editated on the form is catalized under the authority of the Mining Act. This information will be used for entrepsendence. Questions about add be directed to the Provincial Manager, Mining Lands, Ministry of Markers Development and Minos, Fuesth Floor, 139 Gader Wrest, is, April 6AS, falsphone (708) 670-7284.

restione: - Please type or print and autimit in duplicate.
- Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.

F

- A separate copy of this form must be completed for each Work Group.

- Yashintee reports and maps must accompany this term in duplicate.

- A sketch, showing the claims the work is seeigned to, must accompany this form.

2.16319

SEMBLES OF THE SECOND			~	Tolland No.
WELN	LNN Z.	TITTLEY		202200
			ILLE ONTREIS	905 847-3144
Matthew A A D A	ED / ALE	Tombal Age	WS TWP.	6-959
			To 11-11-11	SER 2. 1995=
	NOVEMBER 1		NOVE	SEX 3, / TNIII
rk Performed (Ghe)	sk Ons Work Group O	nty)	Туре	<del></del>
Chalestrated Survey	A Campa Baran	(4)		b-Carrer to
Structure Wart.	C	, <u> </u>	•	
Including Orlling	Stripp	ing 4 Tr	enching	<u> </u>
Rehebilhation				
Other Authorized Work	_	ار الكالمال	960104	1
Assaye	CARREC	NI TO DE TO	, 10	407
Assignment from		W. Ark		E OU BEIT
Mesons			··	
· · · · · · · · · · · · · · · · · · ·	Cisimed on the Attac		-,	
n teknese neblet	May be reported to the comments of the comment	wa work break as or p med in the statement	of costs within 30 days	ork automitted If the recorded of a request for verification.
	- •			·
rooms and Survey (		med the Work (Give I	Name and Address of A	(fixer of Report)
				44.44.45
4.2. Tirzz	&-t	273 JAIN	DEN KONO C	AKVILLE ENTALE
D. BAIRS		145 DUN	V AVENUE	TERRITO ONTRALA
			- ,	
tack v achadule If no	suppory)	<u> </u>		<del></del>
riification of Monet	istal Interest * See 1	Vete No. 1 on severe	a elda	
hardly that of the time the	work was performed. Use ob	ins covered in Wis work	TAKE T	THE PROPERTY OF
in the factories intercaped per facily mand secondary in the c state of many and the con-	rappet helder's name er høld i		Nov2, 95	417 9
A May describe today and			<del></del>	
riffication of Work	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		······	
	goef transledge of the faces of report to trace.	eet forth in this Work repor	i, having performed the work	or witnessed same duting archir citus
WIND WAR	Continue		0 . 4	dance of Comme
LERMANY	6.11772	y 273 Jam	HOW KUI SA	MANTE CAMBOIO
405 147-	141 Novan	222 2 ac	71/1	offy
/ Office Use Only	A. S.A. JANAY Y. C.Y.	<del>-x</del>	- Je pen for	HEGGED
AND CHARACTER OF THE PARTY OF T	Dale Recorded	ACTING	MINING PROCOPORTS	AND DESTRUCTION OF THE PARTY OF
applead	95 Dov	6 Kaul	1	MINING DIVISION
15999	Deliver reports but	(1)		NOV 6 1993
0.	96 Tel	7		1
reserve_		<del></del> 11	} '	



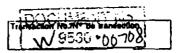


Ministry of Northern Devolopment and Mines

Ministère du (Monicipinasmi) du Nord et des misses

## Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation



W9580.00709

#### Mining Act/Loi eur les mines

reanal information collected on this form is obtained under the authority the Mining Act, This information will be used to maintain a record and going status of the mining statin(s). Questions about this collection should directed to the Provincial Manager, Minings Lands, Ministry of Northern velopment and Mines, 4th Floor, 156 Ceder Street, Sudbury, Ontario E 6A5, usephone (705) 670-7284.

Les rensolgnements perso sulle sont requelles en vertu de la Loi : en registre des concessions minières. renseignements au chef péveloppement du Nord et (Ontario) PSE SAS, (dééphone (705) 670-7264.

#### Direct Costs/Coûts directs

Тура	Description	Amount Montani	Totals Total global
/ages eleires	Labour Main-d'oeuvre	2678	
	Field Supervision Supervision sur le terrain	5630	8309
ontractor's nd Consultant's	DAAFTING	4465	
entrapronour ontrapronour	INTERPRETATION	328	
l de l'expert- oncell	REPIRT	2330	7184
upplies Used ournitures	FIELD & FUELS	77/	
titledes	EXPLOSIVES	408	
	DRAFTING POFFICE	472	
			1650
quipment lental	ATV	1498	
ocation de salériei	PLUCEER, WAT SAWS. FTC	2155	
			365
	Total Di Total des co	rect Costs Its directs	20,795

•	Indirect	Costs/Coûté	Indirecte

** Note: When claiming Rehabilitation work indirect costs are not sillowable as essessment work. Pour le remboursement des travaux de réhabilitation, les

Pour le remboursement des treveux de réhabilitation, les coûts indirecte ne sont pas admiselbles en tent que travaux d'évaluation.

Type	Description	Amount Montant	Totale Total global
Transportation Transport	CASOLINE	15/8	
	WAGES TRAVEL	1976	
	TRAVEL OFFICE	426	
	RENTALS	243	
	ĺ		4/64
Food and Lodging	GROLERIES &	40.40	
Mourriure et hébergement	FUBLS	1010	1010
Mobilization and Damobilization Mobilisation et démobilisation	WACES	575	595
	5768		
Amount Allowable Montant admissible	4159		
Total Value of Assi (Total of Direct and Indirect costs)	24,954		

ste: The recorded holder will be required to verify expenditures claimed in this absencent of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for essections work all or part of the deseasment work submitted. Note: Le Bluteire enregieuré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivent une domande à cet effet. Si le vérification n'est pes effectuée, le ministre peut rejeter tout ou une partie des traveux d'évalueiton présentés.

of Indicasts education

#### .ting Discounts

Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

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

Glaf Value of Assessment Crack Youth Assessment Claimed × 0.50 =

#### Remises pour dépôt

- Les traveux déposés dans les deux ans sulvant leur achèvement nont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation ausmentionné. Votr les calculs di-dessous.

Visiour totale du crédit d'évaluation : Eveluation totale demaratée : x 0,50 = :

#### ertification Verifying Statement of Costs

#### nereby certify:

at the amounts shown are as accurate as possible and these costs are incurred while conducting assessment work on the lands shown the accompanying Report of Work form.

at as <u>RECORDED HOLDER</u> I am authorized Procedul Notice, Agent, Position in Company)

#### aur les

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 tilre de ______ je suis sutorisé (ibutire enregisté, représentant, posté accepé dere le compagnie)

make this certification

à laire cette attestation.

J'alteste par la présente :

Attestation de l'état des coûts

gradure III of Dec 22 95

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (705) 670-5853 Fax: (705) 670-5863

July 19, 1996

Our File: 2.16319
Transaction #: W9580.00708

Mining Recorder
Ministry of Northern Development & Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Mr. Spooner:

SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S) 1167620 (ET AL.) IN BURROWS TOWNSHIP (AREA)

Assessment work credit has been approved as outlined on the amended report of work form. The credit has been approved under Section 12 Geology, of the Assessment Work Regulation.

The approval date is July 18, 1996. Please indicate this approval on the claim record.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5861.

Yours Sincerely, ORIGINAL SIGNED BY:

Ron Cook A.

Ron C. Gashinski Senior Manager, Mining Lands Section Mines and Minerals Division

SBB/jf

ין קטטכ

cc: Resident Geologist Cobalt, Ontario Assessment Files Library Sudbury, Ontario



Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (705) 670-5853 Fax: (705) 670-5863

June 14, 1996

Our File: 2.16319
Transaction #: W9580.00709

Mining Recorder
Ministry of Northern Development & Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Mr. Spooner:

SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S) 1167620 et al. IN BURROWS TOWNSHIP

All deficiencies associated with this work report have been corrected. Accordingly, assessment work credit has been approved as outlined on the Report of Work Form. The credit has been approved under Section 10 (Physical Work) of the Assessment Work Regulation.

The approval date is March 11, 1996. Please indicate this approval on the claim record.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5861.

Yours sincerely, ORIGINAL SIGNED BY:

Lon Cookers.

Ron C. Gashinski Senior Manager, Mining Lands Section Mines and Minerals Division

SBB/cc

cc: Resident Geologist Cobalt, Ontario Assessment Files Library Sudbury, Ontario

