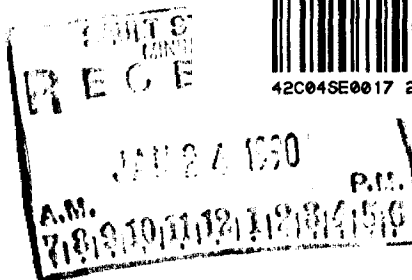


**METCALFE and Associates Ltd.**  
mineral exploration management & consulting services



42C04SE0017 2.13045 CAMP LAKE

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**REPORT OF FIELDWORK**  
**DAVID LAKES PROJECT**  
(MISHIBISHU WEST)  
for  
**DOMINION EXPLORERS INC.**  
(September/October, 1989)

**2.13045**

**RECEIVED**

JAN 26 1990

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SUMMARY AND CONCLUSIONS

Central Crude and Domex equally share three separate groups (Groups A, B, & C) totalling twenty-one claims, in the Davids Lake on the north shore of Lake Superior, in northern Ontario. The claims attach to the northern boundary of their Mishibishu West property just south of the East Pukaskwa River in the west-central portion of the Mishibishu Lake Greenstone Belt. The David Lakes claims are underlain by a roughly east-west striking, moderately dipping sequence of felsic to mafic metavolcanics and iron formations intruded by WNW and ENE trending diabase dykes. Though most of the region has been flown with airborne geophysics, locally there has been little or no serious ground exploration, unless one includes provincial government mapping. Despite the lack of written records, there is scattered field evidence of old pits and trenching around "odd rocks" in the area.

A 4-5 person crew working from helicopter supported base camps carried out a program of geological mapping and soil sampling ("B"horizon) on all three groups over a three week period in the fall of 1989, on behalf of Metcalfe and Associates Ltd., for its client, Dominion Explorers Inc.

Air photos and mosaics provided the main control to geological mapping, prospecting, and post mapping, although flagged crosslines off east-west baselines, cut mainly to facilitate soil sampling, provided additional independent control. The rocks were mapped using essentially OGS nomenclature.

Data is provided in the form of four 1:5,000 scale maps showing separately, geology and soil sampling, for each group of claims (Group A, B&C). A complete list of claims is provided in Appendix I. Program activity statistics are summarized in Appendices I and II.

Generally, the Mishibishu Lake Greenstone Belt is considered quite prospective for gold but the potential for base metals (which have a greater affinity to calc-alkaline magma suites), appears minimal, probably due to the most fundamental evolutionary characteristics of the belt. In both cases (gold and base metals), the best deposits such as "Hemlo" are generally associated with "white rocks". Gold potential relates to its location within so called "major deformation zones", particularly near relatively major volcanic/sedimentary contacts and also to batholith size thermal-metamorphic aureoles. This latter type has little

currently demonstrated geological or economic potential here, or elsewhere in Canada, at least within Archean terrain.

Magnacon and Eagle River, the two most significant gold discoveries in the area, are both stratabound bodies which occur within major deformation zones near relatively major volcanic/sedimentary contacts. The diorite host to the Eagle River deposit is considered incidental but nevertheless diagnostic. The mineralization in both deposits can be characterized as having an easterly "plunge" (rake), possibly a remnant of original bedding.

The greenstone belts are more generally more complex than usually mapped and simple exploration of either deformation zones or unconformities is not adequate. A combined approach is suggested, cognizant of these potential local complexities.

Although there is a mere hint of "shear zone" fabric developed as schist in the extreme southwest corner of claim group "B", and apart from recrystallized pyrite at diabase contacts and local, sparse, finely-disseminated pyrite in iron formation, (both mere curiosities), nothing of potential significance relating to known models was discovered by rock sampling, analytically or otherwise. Particularly absent is any substantial indication of extreme silicification, the form of alteration so apparently essential to gold deposits. The program focussed on too small an area, by itself, to define stratigraphic sequences or major structural features, but will be a useful adjunct to future exploration of the Mishibishu West property.

No genuine soil anomalies were discovered on any of the three claim groups in our opinion. Correlation with arsenic, a useful indicator of hydrothermal activity, was not indicated at any defineable statistical levels. The pattern and magnitude of gold results suggests instead a slight background enrichment in the "B" horizon, attributable merely to the lithologies of both iron formation and diabase dykes in all three areas but which is progressively better developed westward. Even though levels are somewhat suppressed in areas B & C, "careful" sampling of the B soil horizon for gold analyses, appears to be an appropriate technique useful to this region.

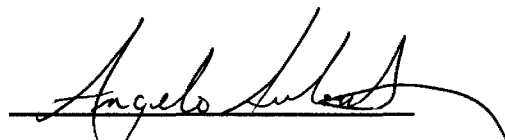
Although little immediate exploration potential can be seen in the results of this preliminary program, specifically within the limited area of these three groups, their loss would likely diminish the value of adjacent landholdings.

A program cost-statement is provided in Appendix VII.

**Reccomendations:**

1. All "spot high" soil anomalies should be rechecked by resampling at 12.5m spacings and intervals. We suggest A<sub>0</sub> horizon sampling may prove more reliable on the finer scale.

2. Future ground geophysical programs planned for Mishibishu West should include these claims and they should be re-evaluated in the context of the results.



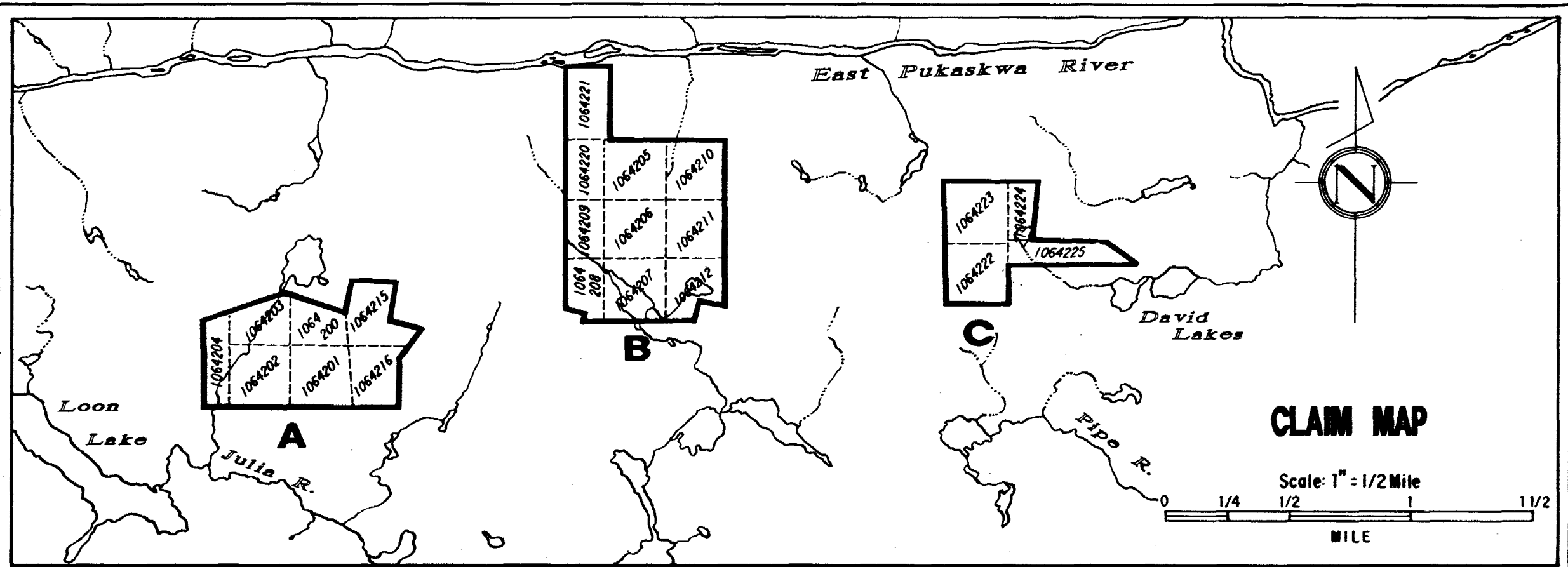
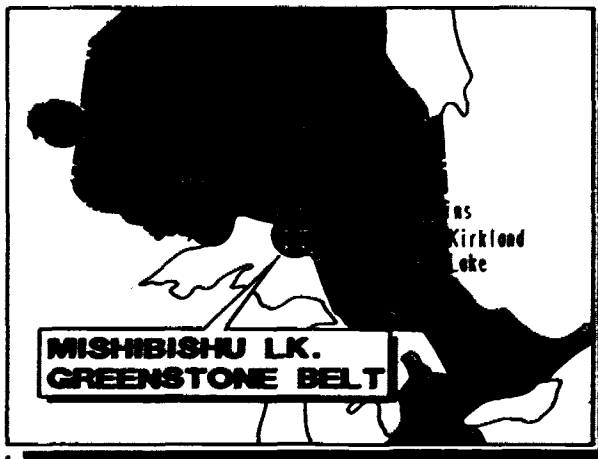
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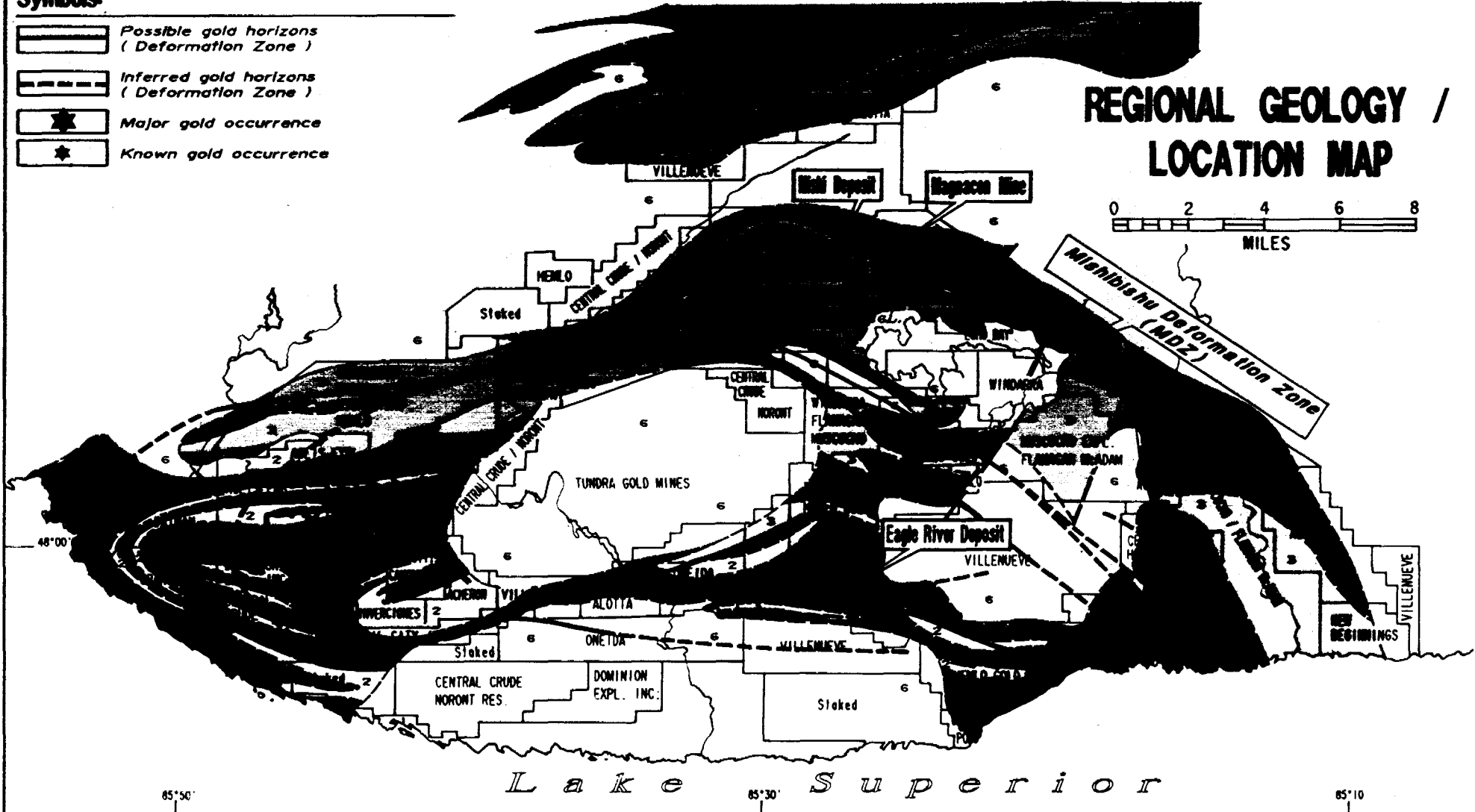


SUMMARY AND CONCLUSIONS



- Legend**
- 7 Late gabbro
  - 6 Granite, syenite, migmatite
  - 5 Diorite, granite, hybrid rocks
  - 4 Metaconglomerate
  - 3 Metagreywacke, metasiltstone, slate, iron formation
  - 2 Felsic to intermediate metavolcanics
  - 1 Mafic to intermediate metavolcanics

- Symbols**
- Possible gold horizons (Deformation Zone)
  - Inferred gold horizons (Deformation Zone)
  - Major gold occurrence
  - Known gold occurrence



**CENTRAL CRUDE LIMITED /  
DOMINION EXPLORERS INC.**

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**DAVID LAKES PROPERTY**  
MISHIBISHU LAKE AREA, ONTARIO

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**Regional Geology / Location / Claim Map**

Work by: R.W. Metcalfe & Associates Ltd. Date: Dec. 1989  
 Drawn by: Rodel E. Ortiz Date: Jan. 1990 Figure No. 1

## 1.0 INTRODUCTION

The three David Lakes claim groups, a portion of the Central Crude/Domex Mishibishu West property, are little explored gold prospects located in the west-central part of the Mishibishu Lake Greenstone Belt. In the autumn of 1989 (September 10th through October 5th), a preliminary exploration program consisting of limited line-cutting and flagging, geological mapping, prospecting, and soil sampling was carried out by Metcalfe and Associates Ltd. on behalf of Domex (Dominion Explorers Inc.), the project operator.

This program was designed to improve the understanding of the local geology on which basis a strategy for further exploration can be developed. This report presents the results of the mapping, prospecting and soil sampling program on the three David Lakes groups of claims.

## 2.0 LANDHOLDINGS

### 2.1 Property Description

Three separate groups of claims comprise the David Lakes landholdings. These are part of the larger Mishibishu West property owned jointly by Central Crude Ltd. (50%), and Dominion Explorers Inc. (50%), registered in Domex's name. The groups, denoted A, B and C, are comprised, respectively, of 7, 10, and 4 contiguous unpatented mining claims (Figure #1). A complete list of claims for each separate group is listed in Appendix #I. The property lies within the mining district of Sault Saint Marie.

### 2.2 Location/Access/Infrastructure

The David Lakes project area is located along the north shore of Lake Superior, approximately 70 km west of the town of Wawa, Ontario., and just south of the East Pukaskwa River (Figure #1). The properties are centered on 48° 01' N latitude and 85° 44' 35" W longitude. All three properties lie entirely within NTS sheet 42C/4.

Vehicular travel is currently restricted to a single main access road off highway #17, but will undoubtedly improve as the three gold deposits (Mishi, Magnicon, and Eagle River) discovered in this area, are developed. Access to most of the region as a result, is currently limited to air charter, mainly helicopter, due to the small size of most lakes.



For the purposes of this program, access to these properties was by helicopter directly from the town of Wawa or more commonly, from a helicopter basecamp setup on the Macassa Creek road, 16 km from Noranda's Cameron Lake camp.

### 2.3 Topography/Climate/Vegetation

The topography is characterized by steep sided hills and ridges rising from 30 metres to as much as 120 metres from the valley floor. The East Pukaskwa River, located north of the three properties occupies a deeply incised valley roughly 120 metres deep. Away from the rivers relief is less extreme, typified by rolling hills and ridges normally less than 40 metres high. Outcrop exposure averages 10-15% here.

Drainage is relatively good and is largely bedrock-structure controlled. The runoff water flows southward into Lake Superior through the East Pukaskwa River.

Overburden cover is generally thin, even in low lying areas. Lichen and moss cover most outcrops and soil development is immature. Swamps and bogs tend to parallel the rock foliation or structures.

Climate here is strongly affected by the influence of Lake Superior. Anomalous rain and snow is due to "lake affect". Unpredictable wet weather and fog frequent the summer and fall seriously hampering field work and interrupting radio communications.

The dominant species of forest trees are black spruce, balsam fir, jack pine, birch and maple. Tag alder vegetation, tamarack and cedar grow in poorly drained swampy areas.

## 3.0 REGIONAL GEOLOGY

### 3.1 General Geology

The David Lakes area is located in the west-central portion of a major greenstone belt, the Mishibishu Lake Belt, of the Superior Structural Province. The regional geology of the area is presented as Figure #1 and the stratigraphic column, adapted from Bennett and Thurston(1977), is summarized as Table I. The OGS mapped the belt in 1968(pub.1977), and again later in 1985. The latter exercise is published as four preliminary maps(P 2970,2968,2971,2972). The results of still more intense mapping in 1986 is yet to be published.

The belt is typically a mixture of mafic/felsic metavolcanics and clastic/chemical metasedimentary rocks, cut by mafic/felsic dykes and sills and bounded by granitic plutons and batholiths, all Archean in age, except for the predominantly northwest striking diabase dykes, some late diatremes and a single restricted basalt flow in one part of the belt which are Proterozoic in age. Metavolcanic rocks predominate in the south and central areas, while metasedimentary rocks are dominant to the north. The belt is elliptical in shape with the long axis (33 miles) oriented east-west. Atypical perhaps, is the unusual number of diabase dykes and the less than 10% felsic volcanic component.

The metavolcanics range from pillowed and massive tholeiitic basaltic flows to intermediate and felsic flows, tuffs, and pyroclastic breccias of calc-alkaline affinity. Mafic tuffs and breccias are rare. Komatiites are absent from the volcanic suite. The intermediate and felsic rocks are intercalated with and overlie the tholeiitic basalts (Bowen et al., 1986).

Metasedimentary rocks form about one third of the belt. These principally consist of interbedded and interlaminated greywacke, siltstone, argillite and conglomerate. Interbedded arkose are found at or near the top of major sedimentary sections (Bennett and Thurston, 1977). Greywackes are commonly interbedded with metavolcanics along the boundaries of the large metasedimentary units. Iron formations constitute a volumetrically minor rock type. Oxide-facies iron formation is predominant over carbonate-facies and consists of finely interbedded chert (or jasper) and magnetite-hematite forming discontinuous units. A zone of iron formation lies approximately one mile south of the East Pukaskwa River and extends from Loon Lake eastward beyond David Lakes where it is truncated by a granitic stock (the Central Pluton).

The supracrustal rocks of the belt have been intruded by several large granitoid intrusives. The largest being the South and the North Batholiths which mark the southern and northern boundaries of the belt respectively. These are described by Bowen (1986) as foliated to gneissic biotite-tonalites to diorites. Extensive migmatite zones extend along the southern edge of the North Batholith. The Bowman Lake Batholith located in the east-central portion of the belt is largely granodioritic, while westward the Mishibishu Lake Stock and the Central Pluton, considered as high level intrusives, are chiefly monzonitic to granitic in composition. The western limit of the Central Pluton lies approximately one mile east of David Lakes.

Diabase dykes, commonly 30 metres or more in width, are widespread and cross-cut all rock types in the area. Northwest and north-northeast trending quartz-bearing sets occur in the area and show cross-cutting relationships which imply intrusion in more than one stage. An older north-south set, including gabbro, is olivine rich.

Regional metamorphism is greenschist to amphibolite grade, the latter restricted to the contact metamorphic aureoles of the intrusive margins. Alteration assemblages are characterized by iron carbonate, chlorite, biotite, sericite and quartz development in greenschist rocks while garnet, andalusite and cordierite (aluminous minerals) typify alteration in amphibolite domains.

Pleistocene gravel, sand, and clays is present as overburden over much of the belt.

TABLE I. Table of Formations

<u>AGE</u>	<u>LITHOLOGIES</u>
EARLY TO LATE PRECAMBRIAN	LATE MAFIC INTRUSIVE ROCKS diabase,olivine diabase,quartz diabase, gabbro
EARLY PRECAMBRIAN (Archean)	INTERMEDIATE TO FELSIC INTRUSIVE ROCKS KABENUNG LATE STOCK & MISHIBISHU LAKE STOCK porphyritic monzonite,porphyritic quartz monzonite,porphyritic quartz-bearing monzonite  BATHOLITHIC GRANITIC ROCKS biotite quartz monzonite,biotite trondjemite,quartz monzonite,hornblende trondjemite,hornblende-quartz monzonite, porphyritic granite,hybrid granite,migmatite pegmatitic muscovite granite, pegmatite, aplite,hornblende diorite gneiss
***** INTRUSIVE CONTACT *****	
	METASEDIMENTS conglomerate, polymictic conglomerate, grey- wacke, arkose, sandstone arkose, argillite slate, iron formation, ferruginous sandstone
	METAVOLCANICS  -FELSIC TO INTERMEDIATE dacite/rhyolite flows, felsic/intermediate tuffs, volcanic breccia, felsic/intermediate agglomerate, porphyritic dacite, quartz-feldsp porphyry(flows and sills)  -MAFIC TO INTERMEDIATE METAVOLCANICS AND RELATED INTRUSIVE ROCKS basalt, andesite, amygdaloidal basalt, pillow basalt to andesite, porphyritic basalt, gneissic amphibolite, amphibolite, chlorite schist, chlorite-biotite schist, gabbro, porphyritic gabbro
	IRON FORMATION Michipicoten type: oxide, sulphide, silicate & carbonate facies

### 3.2 Structure and Stratigraphy

Although the gross structure and stratigraphy of the belt is poorly defined at present, the major definitive structure appears to be a single, broad, east-trending, eastward plunging synform which bisects the supracrustal sequence, the axial plane of which is inclined southward. That syncline-anticline pairs are developed subparallel to the main fold is indicated by the repetition of supracrustal stratigraphy (Kearney, 1988). She also states that although top indicators are not common, north of Mishibishu Lake flows are north dipping and south facing and plagioclase-phyric basalt flows are useful as marker horizons.

According to some, the stratigraphy is comprised of three separate volcanic/sediment sequences (perhaps derived from a single centre), the top of each marked by chemical sediments. The OGS currently considers the sequence a single, continuous volcanic cycle ranging from magnesian-tholeiite through iron-tholeiite to calc-alkalic in composition. The debate may be resolved in time.

Major deformation zones such as the Mishibishu Deformation Zone (up to 500m wide) are shown on the regional geology map (Figure #1). These consist of a number of discrete subparallel (strata-parallel) zones of highly sheared and variably altered rock sequences separated by less deformed rock. A strong chlorite-sericite-quartz compositional layering interpreted as a "shear foliation" characterizes these rocks (Kearney, 1988).

### 3.3 Mineral Deposits

Gold was initially discovered in the Mishibishu during the 1890's. The region saw renewed gold exploration in 1937/8 and again in the 1945-51, as did much of the Canadian Shield during these same periods. Activity here, however, could not be compared to the major "gold rushes" recorded in numerous texts and novels. Intensive exploration by mainly, mainly junior companies, over the last five years has firmly established the Mishibishu as a "gold camp" of considerable potential.

The northern limb of the belt hosts the Magnacon (Muschocho / Echo Bay / Flanagan-McAdam) and the Mishi (Granges / MacMillan) gold deposits. Reported reserves of 1.4 m tons at a grade of 0.245 opt gold (with a core of 413,000 tons at .39) saw Magnacon go into production early in 1989. The adjacent Mishi deposit has a 'main zone' of

1.1m tons at a grade of 0.166 opt gold(1988)and apparently many similar zones along its 24 kilometre strike length. A decline is in progress for Mishi.

The southern limb of the belt hosts the Eagle River gold deposit (Central Crude / Noranda). The #8 Zone, one of more than fifteen mineralized horizons, hosts over 1 million tons of gold ore at a grade of 0.27 opt(cut). Noranda chose to drive a decline on this basis and has substantially increased proven reserves and grade as a result.

Numerous recent gold occurrences are reported throughout the belt (even from within the granites), as a result of the substantial exploration activity through 1987,88 and 89 by these and other companies inspired by the results of these initial discoveries.

All of the occurrences purportedly lie within major deformation zones and are associated with intense local alteration. Both Magnicon and Eagle River occur near relatively major volcanic/sedimentary contacts. The mineralization at Eagle River occurs within a sheared (subvolcanic) diorite, also common to many gold deposits in this setting, throughout the Canadian Shield. The host to the Magnicon deposit is a quartz-sericite schist. The presence or absence of sulphides is not critical, although arsenopyrite, pyrite, galena, and to a lesser extent chalcopyrite and pyrrhotite are reported. Quartz-carbonate-hematite and locally sericitic (potassium) alteration characterizes the Eagle River deposit.

#### 4.0 WORK PROGRAMS

##### 4.1 Previous Work

W.E. Logan's (1863) reconnoitre of the north shore of Lake Superior was the earliest geological observation in the region. During the latter part of the 19<sup>th</sup> century and first part of the 20<sup>th</sup> century, reconnaissance surveys by the Ontario Bureau of Mines extended to the north and east-west of the map area. In the summer of 1904, J.M. Bell (1905) mapped an area of about 4,100 km<sup>2</sup>, including the areas of the present survey as well as much of the Wawa area. E.L. Evans (1940) mapped much of the area between Mishibishu Lake and the East Pukaskwa River.

In 1968, a large-scale helicopter supported reconnaissance mapping survey was conducted by the Ontario Department of Mines. It covered the Mishibishu Lake area, and the Kabenung Lake area to the north (Bennett et al., 1977). In the summer of 1985, a similar mapping program was undertaken by the Ontario Geological Survey (Bowen et al., 1985; Heather, 1985).

An airborne geophysical survey which covered most of the belt was flown by Asamera in 1972 and more recently (early 80's), others have flown smaller surveys throughout the region. Domex had Aerodat fly the area with VLF-EM, magnetics, and EM in December/1988. The survey covered their Mishibishu West property but not much of the subsequently acquired "David Lakes" claims. JVX, under contract to Domex, compiled these results, incorporating an SLR (synthetic aperture radar) lineament study derived from satellite photos of the area. Though these claims are generally not covered, extrapolation of the results proved useful.

There is little written record of mineral exploration in the David Lakes area though evidence of limited trenching within the iron formation was noted during this program.

#### 4.2 Current Work

##### 4.2.1 *program logistics:*

Due to the relative unavailability of helicopter support on a daily basis, a field basecamp was set up to accommodate a 5-man crew. A basecamp move was required during the mapping program. Servicing of the camp was accomplished through periodic trips to Wawa by camp personnel, using the vehicle stationed at Macassa Creek. Only a short helicopter flight was required between the camp and the Macassa site. Dominion's field equipment and vehicle were used on this project. A total of 15.4 hours helicopter time was used (Canadian/Viking).

Domex has cut a 400m square control grid, oriented east-west and north-south, on their main properties in the area. For this reason it was considered appropriate to attempt to maintain this grid orientation, irrespective of the local rock foliation.

Mapping and soil sampling were conducted along north-south flagged lines using pace and compass methods, spaced at 100m intervals off a cut baseline. Two east-west baselines, chained every 25m were used for control. Surveyed reference coordinates do not exist on the properties. The baseline on group "A" is aberrant due to magnetic interference from the numerous diabase dykes crossing the property. Though the deviation was discovered prior to sampling, it was too late to make a correction and not considered particularly serious in any case.

Prospecting off the lines was done by both geologists doing regular mapping and prospectors who were also mapping claim posts and lines. A photomosaic at a scale of 1:10,000, and air photographs at a scale of 1:15,840 were used for traverse planning and mapping control. Sixty-five (65), grab samples, 3 off the property, were collected in the field and analyzed for gold and/or base metals (copper, zinc and silver) at the Wawa Assay Laboratories Ltd. of Wawa, Ontario. A combination fire assay/AA (atomic absorption) method was used on the -250 mesh sieve fraction to determine if geochemically anomalous levels of gold may be present and also by the AA method to detect the geochemical levels of copper, zinc and silver (Appendix V). The results are plotted on Figures 2 & 3.

Where developed, B-horizon soil samples were taken at intervals of 50m (30m, area "A") on north-south flagged lines 100m apart, by a two-man crew using either an auger or grubhoes. Due to the misalignment of the grid the normal collection pattern of 25m sample interval/200m line spacing was abandoned in favour of one which would produce a statistically "unbiased" square grid with respect to local geology. A total of 799 sample sites were visited. 72 samples proved to be "off property". 85 of the remaining sites were either outcrop or swamp where sample material was unavailable. The B-horizon soil was generally developed between 6 and 10 inches from the surface. Samples were collected and stored in individual soil bags that were then hung to allow air drying. The samples were sent to the Wawa Assay Laboratories to be analyzed for both gold(ppb) and arsenic(ppm) using fire assay preparation followed by atomic absorption metal determination. Seven hundred and twenty-one B-horizon soil samples were analyzed (Appendix VI). The results are plotted on Figures 4 & 5.

Appendix I summarizes cutting, flagging and sampling data for each claim. A total of 4.024 km of baseline was cut. 28.35 Km of crosslines were flagged, some of it off the claims. Crew activity statistics are summarized in Appendix II.

#### 4.2.2 claim posts:

Considerable effort was made while prospecting and mapping, to identify and map all claim posts and to verify tag information as correct. The results are plotted on all 1:5,000 scale maps. Posts shown as solid squares on the map were actually located and mapped using pace and compass techniques. Posts shown as open squares were not found.



These are plotted in their presumed locations. Internal claim lines are shown on the soil sampling maps but not on the geological maps.

#### 4.2.3 mapping/prospecting:

Rocks in all three areas consist of mainly intermediate to mafic, with minor felsic volcanics, iron formation (mainly oxide facies) and numerous diabase dykes. Locally, subvolcanic intrusives occur along some contacts. The iron formation ranges from several to tens of metres wide and can be mapped almost continuously across all three claim groups. The iron formation consists of alternating beds and lamellae of magnetite-rich layers, chert and sugary, recrystallized quartz forming units from 0.3-10cm thick. The chert layers are typically light grey or red jasper, the magnetite-rich layers are dark grey to black. The sugary quartz layers are characterized by a yellowish-orange staining. Where they are exposed the contacts of the iron formations with the underlying rocks are sharp. Volcanic rocks with a visual content of mafic minerals greater than 35% were classified as intermediate (andesitic) to mafic (basaltic), while those with less than 35% were classified as intermediate (dacitic) to felsic (rhyolitic), in accordance with OGS specifications for the area. Amygdaloidal, porphyritic, pillowed mafic flows and flow breccias were all observed in the field. The felsic to intermediate volcanic rocks observed in outcrop consist mainly of cryptocrystalline, crudely (colour) banded tuffs. The rhyolites are moderately sericitized and always in close proximity to the iron formation. No petrography was done on these rocks as a part of this program. Extrapolation of airborne magnetics survey data from Domex's property to the south facilitated correlation of diabase and iron formation outcrop. Hand specimen locations and descriptions with analytical results are detailed in Appendix IV as well as plotted on geological maps (Figure #2 & 3).

The regional metamorphic grade in the David Lakes area is in the low to middle greenschist facies characterized by the co-existence of chlorite-sericite-carbonate +/- albite and epidote in the felsic, intermediate and mafic metavolcanic rocks. It was noted that some rocks in this area have undergone contact metamorphism under the hornblende-hornfels facies conditions caused by the intrusion of NNE and NW trending diabase dykes. Amphibolitic and garnitiferous metavolcanics are present on all three properties mapped.

**Group A (Figure #2):** The stratigraphy in this area strikes roughly east-west and dips moderately toward the north ( $34-42^{\circ}$ ), although local variations are present. The parallel growth of platy minerals such as chlorite and biotite during regional metamorphism has imparted a foliation to much of the metavolcanic assemblage. No major folds were observed in the field but the minor crenulations observed suggest the primary foliation is an axial planar cleavage.

A quartz-diorite outcrops at two localities in the southwest corner. The rocks are dark green, coarse grained and comprised of approximately 50% chloritized mafic minerals, 40% saussuritized yellowish-green feldspar and 10% blue opalescent quartz eyes. Minor inclusions of amphibolite were noted. Two samples (#11049,50), with 2% pyrite returned values of 3 and 14 ppb.

A two metre thick aplite vein with accessory black tourmaline occurs in the southeast corner of claim #1064204 returned a value of 3ppb gold (#11039).

Minor metasediments, consisting of moderately well-sorted arenites, occur in the southeast corner of the claim group. Heavy minerals bands dip  $28^{\circ}$  east along a strike of  $340^{\circ}$ , perhaps approximating original bedding. Numerous NW-SE diabase dykes, with minor NE-SW offshoots crisscross the group. Small quartz-calcite veins, with minor fine disseminated pyrite in some cases, occur within the mafic volcanics just beyond the chilled margins to these dykes.

The intersection of the iron formation with a diabase dyke along the creek near the centre of claim #1064203, is heavily pyritized. One sample (#11058) assayed 9 ppb gold. Further east, along the strike of the iron formation, within claim #1064215, a one metre wide quartz vein containing minor fine, disseminated pyrite lies parallel to the regional foliation adjacent to the iron formation. Sampling of the quartz vein and the adjacent volcanics returned gold values of 8ppb and 10ppb respectively.

**Group B (Figure #3):** The sequence grades from felsic/mafic volcanics in the southwest corner to intermediate/mafic volcanics in the northeast corner. Iron formation, in sharp contact with felsic volcanics, trends east-west through the middle of the claim group. The sequence is cut by several thick NW-SE trending diabase dykes which exhibit the same contact metamorphic features (incl. quartz veins) at their margins as discovered on group A.

Here, the average foliation trends  $280^{\circ}$  and dips  $36^{\circ}$  NNE. Approximate bedding, measured on heavy mineral bands in the metasediments (quartz-arenite) located centrally

within claim #1064206, is  $360^{\circ}$  with a dip  $70^{\circ}$  east. Pillow structures were observed on the west side of claim #1064220. Lava flow tops were determined as being north.

An extremely fissile chlorite-sericite schist with kink banding, indicates more intense deformation in the extreme southwest corner of the claim group. Mica, malachite and sulphides (incl. molybdenite), were found here. Sampling of this material (#11011,12) assayed 16 and 7 ppb gold (184 ppm copper, #11012). A 10 metre long trench (trending  $165^{\circ}$  was discovered within the nearby iron formation on claim #1064208. Resampling gave only 2 ppb (#11013).

A hypersthene-bearing gabbro was mapped in the field, at three localities. The gabbro trends through the middle of the lake across the southwest corner of the claim group. The fresh surfaces of the gabbro are black whereas the weathered surface display brown (hypersthene) spots. The gabbro is medium grained and strongly magnetic. A sample of quartz vein (#11001) from within the adjacent mafic volcanics on the southeast corner of claim #1064207 returned a value of 38ppb gold. Another sample of mafic volcanic (#11006) at the margin of the gabbro, with rusty magnetite veins (2 cm) and numerous 1-10mm size pink garnets, on the north corner of the lake returned a value of 27ppb gold.

Three samples (#11003,4,5) from the southwest corner of claim #1064207, which were taken across an iron formation with felsic volcanics on either side, analyzed 25,34, and 28 ppb gold respectively.

Two glacial striae were measured in the north-central part of property B. Striae directions measured  $220^{\circ}$  and  $228^{\circ}$ . These correspond to one of the known regional directions of glacial movement.

**Group C (Figure #3):** Numerous diabase dykes intrude a sequence of volcanics grading from mafic in the northeast to mafic/intermediate in the southwest with some minor felsic volcanics in the southeast corner and associated with the iron formations. The average foliation orientation is  $265^{\circ}/42^{\circ}$  NNW, parallel to the strike and dip of bedding.

Minor shear foliation textures are developed marginal to the dyke on claim #1064224, at the southern tip of the lake. Sample # 11064 (69ppb, gold) was taken from an area of local quartz stringer veining and 2-3% disseminated pyrite within the carbonatized mafic volcanics.

On claim #1064225, east of the lake three old pits on a large outcrop of iron formation were resampled (5 & 37ppb gold from samples # 11059,60). Near this, to the south, sampling a mafic volcanic containing small pyrite cubes and veinlets returned values of 114ppb and 50ppb gold (#11061,62). To the east, a quartz vein with margins enriched in biotite, at the contact of mafic and felsic

volcanics assayed 126ppb gold (#11063). To the west, multiple samples (#11029 to 36) of iron formation and host rocks at the dyke margin returned lower gold values.

4.2.4 soil survey:

The soil sampling results were statistically analyzed. Results, mean and standard deviation for both gold and arsenic, are shown as Table II. No correlation between gold and arsenic was discernable in the data. Correlation would have suggested a probable hydrothermal source to any anomalies, had it been positive. Plotting of gold data on log-probability graph paper (not shown) suggests appropriate contour intervals as shown in Table II. The method produces a series of straight line segments with deflection points which if used as contour intervals for the soil results will usually produce a discernable pattern in the data often indicative of the source of any anomalies.

It became apparent in initial processing of the data that results from groups B and C were statistically different from that of group A. "B" horizon samples were collected in both cases but the device used for groups B and C was a soil augur. Either significant dilution of the sample occurred through poor sampling procedures using the augur, or "B" horizon soil development is poor eastwards through groups B & C. Both factors probably contribute to this problem. Separate statistical treatment of the data for Groups B & C at least partially compensates for this inadequacy.

TABLE II

soil sampling statistics

	<u>MEAN</u>	<u>STANDARD DEVIATION</u>
<u>GOLD</u>	(A) 11.1	+/- 13.1
(ppb)	(B & C) 4.8	+/- 5.2
<u>ARSENIC</u>	(A) 3.2	+/- 2.7
(ppm)	(B & C) 1.8	+/- 2.2

contour intervals(gold):

group "A"	0 - 22 ppb
	23 - 70 ppb (possible)
	> 70 ppb (probable)

groups "B & C"    0 - 12 ppb  
                  13 - 19 ppb (possible)  
                  > 19 ppb (probable)

Statistically, although a number of individual sample results fall into the "probable" class, none are considered definite anomalies worthy of follow-up on this basis alone. One definite conclusion that can be drawn, is that "careful" soil sampling of the B horizon appears to be an appropriate gold exploration technique in this region although locally arsenic analyses are probably unnecessary.

**Group A(Figure #4):** Here, a combined lithological source "off property" is suggested for the slightly elevated gold values( from 23-70 ppb, with peaks in the 80 ppb range) in the soil through the northeast corner of the group A. The pattern appears to reflect drainage direction and not necessarily a single point source. In the southeast corner a statistical anomaly of similar magnitude occurs at the intersection between a diabase dyke and an iron formation.

**Group B & C(Figure #5):** Although somewhat suppressed, gold values in soil reflect lithology here, particularly diabase.

## 5.0 EXPLORATION POTENTIAL

Greenstone belts such as the Mishibishu are potential hosts to both base metal and/or gold deposits in a variety of local settings based on a number of factors including the fundamental evolution of the basin, magma chemistry and so on. Many of these factors are indefinable at present but common empirical observations nevertheless lead to the successful exploration.

There is little empirical evidence to suggest that this belt is prospective for base metal mineralization, particularly the more attractive volcanogenic base metal sulphide deposits. However, discoveries such as the Eagle River and Magnicon deposits, suggest attractive gold potential in this region.

These gold deposits are of a type more similar to those of northeastern Ontario and northwestern Quebec than to those of say Red lake in northwestern Ontario. Deposits in both locales are produced by similar "hydrothermal" processes. The style of mineralization, whether the deposits are found in a ductile(shear) or brittle(vein) structural setting is a function of relative timing of the mineralizing event(s) to the evolution of the basin as a

whole and although the gold mineralization is still clearly epigenetic in origin in both settings, it is also clear that the process is "multistaged". That the actual gold mineralization is universally a late hydrothermal aspect of latest Archean volcanism is not acceptable in my view, even though it may eventually prove to be time-dependent. The deposits themselves are folded, faulted and even sheared by late Archean structural events.

Gold potential is thought mainly to relate to its location within so called "major deformation zones", often apparently strataform zones of highly deformed, sheared, and variably altered rock with a strong chlorite, sericite, quartz compositional layering. These zones are deep seated structures of "crustal magnitude" which persist through various rock types even beyond the margins of the greenstone belt. They do not follow major folds as shown tentatively on Figure #1. How one relates the "Breaks" of northeastern Ontario and northwestern Quebec to the "Deformation Zones" of northwestern Ontario is not clear. Nevertheless, I suspect that although they are indeed different, they are related. In both cases splays off the major zones or breaks are common focus for gold exploration.

This author's experience suggests that simple structural control (competency contrast) alone, is not a uniquely definitive exploration criterion. It is where these deformation zones coincide with major volcanic/sedimentary contacts (unconformities) that most substantial gold potential is offered. Though the genetic relationship to the actual unconformity is not clear, these gold deposits could ultimately prove to be remobilized (preconcentrated) epithermal hot-spring gold mineralization in a resurgent caldera environment and the "plunge" of the deposits, commonly seen on longitudinal projections, may actually be the trace (rake) of original bedding.

Simply exploring unconformities is not an easy matter either. The geological evolution of the belts are more complex than most arguments allow. There are likely to be variations in magma chemistry in both time and space throughout the belt. True, areally extensive, basal unconformities are rare to absent in the Archean of the Canadian Shield making stratigraphic correlation more difficult. Many small (aerially limited) unconformities marked by chemical/clastic interfaces (usually magnetic chert/iron formation or graphitic) are developed, as in most greenstone belts by often profound paleotopographic and rapid facies changes along the strike of the original bedding. This is most often further complicated by subsequent multistage folding producing doubly plunging anticlines and synclines resulting in apparent

discontinuities both along "strike" and along section. The unconformities are also faulted, folded and sheared (in part).

Many mineral explorationists here, focus on 'key structures' rather than 'key stratigraphy'. Apart from speculation as to which approach, if either, is correct, it is clear that certain Archean unconformities are prospective, where they coincide with major deformation zones, and particularly where certain low angle cross structures penetrate the "shear foliation" early, in the still ductile stage of the event.

The deposits generally exhibit moderate to intense silification overprinted on an iron-carbonate alteration system, at least in greenschist facies terrain. Whether associated magnetite or sulphides (pyrite) is produced is a function of local redox conditions. On a finer scale, sericite (potassic alteration) is often closely associated with the actual gold distribution. The gold is usually free, often coarse, but nevertheless rarely visible.

Another type of gold deposit, of perhaps similar provenance, is found within the contact metamorphic aureoles of the major late intrusives, and has some potential here. Mineralization is known to occur even within the granodiorites but in most known examples, grade/tonnage configuration is marginal at the current gold price.

*list of references:*

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- Logan, W.E., 1863. Geology of Canada, Report of progress from its Commencement to 1863, 983p.



**METCALFE and Associates Ltd.**

**DAVID LAKES**

**APPENDICES TO REPORT**  
**DAVID LAKES PROJECT**  
**(MISHIBISHU WEST)**  
**for**  
**DOMINION EXPLORERS INC.**  
**(September/October, 1989)**

APPENDIX I: list of claims (including sampling statistics)

<u>License no.</u>	<u>l/cut</u>	<u>l/flag</u>	<u># ROCK</u>	<u># SOIL</u>	<u>l/c geol</u>	<u>soil</u>
	km	km		(sites/samples)	person-days	
<b>GROUP A</b>	<b>1.525</b>	<b>11.05</b>	<b>22</b>	<b>370(338)</b>	<b>8</b>	<b>21 16</b>
SSM 1064200	-	1.100	1	36(35)	-	-- --
SSM 1064201	.325	1.150	3	38(37)	-	-- --
SSM 1064202	-	1.825	1	63(62)	-	-- --
SSM 1064203	.450	1.525	5	48(36)	-	-- --
SSM 1064204	.300	1.650	8	56(55)	-	-- --
SSM 1064215	-	2.050	3	67(62)	-	-- --
SSM 1064216	.450	1.750	1	62(51)	-	-- --
<b>GROUP B</b>	<b>1.174</b>	<b>11.275</b>	<b>21</b>	<b>252(214)</b>	<b>3</b>	<b>34 16</b>
SSM 1064205	-	1.125	-	27(24)	-	-- --
SSM 1064206	.212	1.350	1	43(29)	-	-- --
SSM 1064207	.212	.725	5	20(17)	-	-- --
SSM 1064208	-	.825	4	19(18)	-	-- --
SSM 1064209	.325	.800	1	12(11)	-	-- --
SSM 1064210	-	1.350	2	31(26)	-	-- --
SSM 1064211	-	1.625	-	25(21)	-	-- --
SSM 1064212	.425	.675	5	15(13)	-	-- --
SSM 1064220	-	1.300	1	24(19)	-	-- --
SSM 1064221	-	1.500	2	36(36)	-	-- --
<b>GROUP C</b>	<b>1.325</b>	<b>4.050</b>	<b>18</b>	<b>100(85)</b>	<b>3</b>	<b>11 8</b>
SSM 1064222	-	1.000	3	19(16)	-	-- --
SSM 1064223	.425	2.100	-	49(38)	-	-- --
SSM 1064224	.300	.700	9	23(22)	-	-- --
SSM 1064225	.600	.250	6	9(9)	-	-- --
<b>21 CLAIMS</b>	<b>4.024</b>	<b>26.375</b>	<b>61</b>	<b>722(637)</b>	<b>18</b>	<b>66 39</b>

- all claims registered to Dominion Explorers Inc.  
#916, 111 Richmond St. West  
Toronto, Ontario M5H 2G4

- all claims registered February 7/1989

*APPENDIX II: activity statistics (individuals)*

<u>Name</u>	<u>Function(s)</u>	<u>Dates on property</u>
Jill Marcotte	geologist	Sept.10-Oct.5
Angelo Avlonitis	geologist	Sept.10-Oct.5
R. W. Metcalfe	geologist	Sept.20-Sept.25
Roger Voisine	line-cutter	Sept.12-Sept.21
Mary Cross	soil sampler	Sept.12-Sept.21
Francine Quevillon	soil sampler	Sept.12-Sept.21
Will Brown	linecutter	Sept.24-Oct.5
Dan Brown	soil sampler	Sept.24-Oct.5
Doug Watson	soil sampler	Sept.24-Oct.5

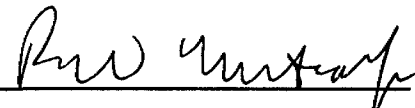
**METCALFE:**

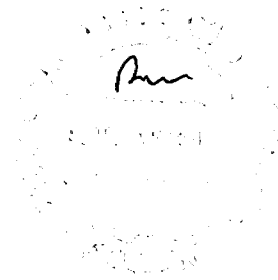
**CERTIFICATE OF QUALIFICATIONS**

As co-author of this report on the mineral properties of Central Crude Ltd. and Noront Resources Ltd., I hereby make the following statements:

1. My name is R. W. Metcalfe and I am an independent geological consultant; my practice is incorporated as an Ontario Corporation under number 6549683 as **METCALFE AND ASSOCIATES LTD.** with a corporate address of 1131 Falgarwood Drive, Oakville, Ontario, L6H 1P1;
2. I have received the following degrees in Geological Sciences;
  - (a) Bachelor of Science (Earth Science), 1971, from the University of Waterloo, Waterloo, Ontario;
  - (b) Master of Science, Applied (Mineral Exploration), 1978, from Queen's University, Kingston, Ontario;
3. I am a Fellow of the Geological Association of Canada;
4. I have been practising as a professional geologist in South Africa and Canada for over 18 years;
5. This report is based on data collected in the field during the months of September and October, 1989 and public documents available from the Ontario Ministry of Northern Development and Mines;
6. I have neither received nor do I expect to receive any interest, direct or indirect, in any of the properties described herein.

Oakville, Ontario  
December, 1989

  
R. W. Metcalfe, M. Sc.  
Consulting Geologist



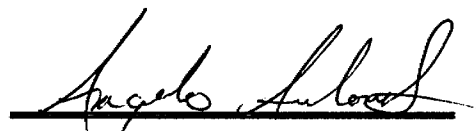
**AVLONITIS:**

**CERTIFICATE OF QUALIFICATIONS**

As co-author of this report on the mineral properties of Central Crude Ltd. and Noront Resources Ltd., I hereby make the following statements:

1. My name is **A. N. Avlonitis** and I am an independent professional geologist; I reside at **1008-41 Speers Road Oakville, Ontario, L6K 3R6;**
2. I have received the following degree in Geological Sciences;  
  
**Bachelor of Science (Earth Sciences), 1989,  
from Dalhousie University in Halifax, Nova  
Scotia;**
4. I have been practising as a **professional geologist** in Canada for one year;
5. This report is based on data personally collected in the field during the months of September and October, 1989 and public documents available from the Ontario Ministry of Northern Development and Mines;
6. I have neither received nor do I expect to receive any interest, direct or indirect, in any of the properties described herein.

Oakville, Ontario  
December, 1989

  
A. N. Avlonitis, B. Sc.  
Contract Geologist

CERTIFICATE

As co-author of this report on the mineral holdings of Central Crude Ltd. and Noront Resources Ltd., I hereby make the following statements:

1. My name is Jill-Annette Marcotte and I am an independant professional geologist. I reside at 165B ave. Perreault, Val d'Or, Quebec, J9P 2H1,
- 2a. I have received the following degree in Geological Sciences;  
B.Sc. (Earth Sciences), 1986- Dalhousie University,  
Halifax, Nova Scotia,
- b. I am a member of the Association of Professional Geologists and Geophysicists of Quebec,
- c. I have been practising as a professional geologist in Canada for 3 years,
3. This report is based on data that was collected in the field between September 10th and October 6th, 1989 on the three David Lakes project claim groups and public documents available from the Ontario Ministry of Northern Development and Mines,
4. I have neither received, nor do I expect to receive any interest, direct or indirect, in any of the properties,

November, 1989  
Val d'Or, Quebec

*Jill Annette Marcotte*  
JILL-ANNETTE MARCOTTE, B.Sc, APGGQ

## APPENDIX IV: hand specimens (geology/prospecting)

<u>Sample</u>	<u>Claim gp.&amp;#</u>	<u>Au (ppb)</u>	<u>Description</u>
11001	B(1064207)	38	milky white quartz vein with minor cubic pyrite
11002	B(1064207)	21	quartz vein, no visible sulphides
11003	B(1064207)	25	cryptocrystalline felsic volcanic covered with orange limonite staining
11004	B(1064207)	34	as above, adjacent to contact with iron formation
11005	B(1064207)	28	magnetite rich section of iron formation, minor sulphides
11006	B(1064207)	27	rusty magnetite rich layer with garnetiferous mafic volcanic host
11007	B(1064221)	23	intermediate metavolcanic rock with 2% disseminated pyrite
11008	B(1064221)	27	mafic metavolcanic with 1% cubic pyrite
11009	B(1064210)	13	intermediate metavolcanic with 3% py+po
11010	B(1064210)	34	rusty mineralized diabase dyke with 2-3% disseminated pyrite
11011	B(1064208)	16	altered and mineralized chlorite-sericite schist with minor py +/- cpy Cu 15ppm/Zn 45ppm/Ag 1ppm
11012	B(1064208))	7	cherty section of iron formation with 5% sulphides

			parallel bedding; rusty Cu 184ppm/Zn 87ppm/Ag 2ppm
11013	B(1064208)	2	iron formation, limonite covered, no visible sulphides
11014	B(1064212)	5	reddish-brown alternating magnetite layers and sugary quartz stained orange, minor pyrite
11015	B(1064212)	6	magnetite-jasper layers of iron formation, no visible sulphides
11016	B(1064212)	6	orange stained sugary quartz with trace pyrite from iron formation
11017	B(1064212)	19	magnetite-rich layer with trace sulphides
11018	B(1064212)	7	reddish cherty layer with 2-3% pyrite throughout
11019	B(1064208)	11	magnetite-rich layer with 1-2% pyrite, minor malachite
11020	B(1064209)	7	rhyolite with 1-2% disse- minated pyrite
11021	B(1064220)	2	as above
11022	C(1064224)	7	6" quartz vein with trace py and cpy
11023	C(1064222)	8	chlorite schist with 3% disseminated py parallel to foliation
11024	C(1064222)	12	diabase, 2% sulphides; fracture-coating py
11025	C(1064222)	11	mafic dyke? 2% rusted cubic py throughout
11026	C-26+50E 4+75S (off)	6	felsic volcanic; rhyolite? 1-2% disseminated py



11027	C-30+50E 0+50N (1064225)	11	rusty quartz vein in contact with iron formation, 5-7% disseminated py
11028	C-26+50E 3+00S (off)	13	rusty brown quartz vein with 5% chlorite inclusions, minor disseminated py
11029	C-28+75E 0+50N (1064224)	7	BIF, alternating sugary quartz and cherty sections, 3% coarse cubic py with rusty halos
11030	C-28+75E 0+50N (1064224)	14	rusty iron formation, fairly felsic, sulphide specks
11031	C-28+75E 0+50N (1064224)	12	sheared, cherty, rusty iron formation with minor py specks
11032	C-28+75E 0+50N (1064224)	8	sheared, rusty BIF, chloritized up to 1-2% partially weathered out sulphides
11033	C-28+75E 0+50N (1064224)	15	sheared, rusty BIF with cherty sections, minor chlorite, few py specks
11034	C-28+75E 0+50N (1064224)	10	sheared, rusty, brecciated iron formation, up to 1% py
11035	C-28+75E 0+50N (1064224)	14	alternating chert and sugary quartz with few py specks
11036	C-28+75E 0+50N (1064224)	26	sheared cherty iron formation with chloritic bands, py specks
11037	A(1064201)	6	smoky quartz vein with 3% blackish-silvery mineral
11038	A(1064201)	5	host rock, foliated intermediate metavolcanic, no sulphides
11039	A(1064202)	3	aplite dyke, 20-25% tourmaline, no visible sulphides
11040	A(1064204)	6	alternating layers of magnetite,

			orange stained sugary quartz minor sulphides (BIF)
11041	A(1064204)	4	BIF; alternating chert and magnetite layers, chloritized with minor py parallel bedding
11042	A(1064204)	<1	sugary quartz and red jasper layers with minor sulphides (BIF)
11043	A(1064204)	5	alternating magnetite and chert layers, 1% sulphides (BIF)
11044	A(1064204)	5	BIF, minor visible sulphides
11045	A(1064203)	5	quartz-albite vein with minor chlorite inclusions, no visible sulphides
11046	A(1064203)	14	quartz vein 2% py, minor cpy
11047	A(1064203)	13	host rock to qv, minor py cubes
11048	A(1064203)	4	amphibolitized mafic rock, trace py
11049	A(1064204)	3	quartz diorite, 5-7% blue opalescent quartz eyes, minor py
11050	A(1064204)	14	quartz diorite, 2% disseminated py
11051	A(1064204)	7	sheared andesite, 1% pyrite
11052	A(1064201)	<1	BIF, minor py parallel bedding
11053	A(1064216)	6	quartz-albite-muscovite vein with chloritic inclusions, minor py
11054	A(1064215)	10	host rock to qv, 1% py-cpy along contact with qv
11055	A(1064215)	2	quartz vein with brown-yellowish mica and chlorite inclusions, trace sulphides
11056	A(1064215)	8	diabase with 1% disseminated py

11057	A(1064200)	8	quartz vein with chlorite inclusions, trace py
11058	A(1064203)	9	mafic diabase, 3-4% disseminated py near contact with basalt
11059	C(1064225)	5	BIF, chert from test pit with minor py
11060	C(1064225)	37	rusted IF with 5-7% magnetite crystals overgrowing bedding, trace disseminated py
11061	C(1064225)	114	mafic volcanic with 2% py occurring as veinlets, cubes with reddish halos and disseminated
11062	C(1064225)	50	mafic volcanic, 3% cubic py
11063	C(1064225)	126	felsic to intermediate volcanic with biotite overgrowing foliation and 5% py throughout
11064	C(1064224)	69	sheared mafic volcanic with 2-3% py

**METCALFE and Associates Ltd.**

**DAVID LAKES  
APPENDIX V**

**ANALYTICAL CERTIFICATES**  
**(ROCK)**



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 1919

No. 5880

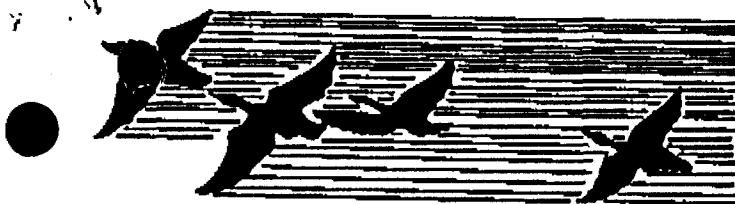
CLIENT: DOMINION EXPLORERS  
David Lake

DATE: September 21, 1989

SAMPLE No.		Au ppb
11001		38
11002		21
11003		25
11004		34
11004	check no chrg	25
11005		28
11006		27
11007		23
11008		27
11009		13
11010		34

Samples, Pulps and rejects discarded after two months.

Assayed:



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 203


No. 5942

CLIENT: DOMINION EXPLORERS  
Project DLP#2

DATE: September 29, 1989

SAMPLE No.	Au ppb	Ag ppm	Cu ppm	Zn ppm
11011	16	1	15	45
11012	7	2	184	87
11013	2			
11014	5			
11015	6			
11016	6			
11017	19			
11018	7			
11019	11			
11020	7			
11021	2			

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2802

## CERTIFICATE OF ANALYSIS

NO. 220

No. 8056

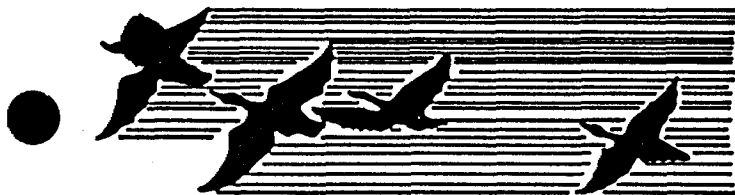
CLIENT: DOMINION EXPLORERS INC.  
David Lake

DATE: October 6, 1989

SAMPLE No.	Au ppb
11022	7
11023	8
11024	12
11025	11
11026	6
11027	11
11028	13
11029	7
11030	14
11031	12
11032	8
11033	15
11034	10
11035	14
11036	26

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0532

No. 6137

CLIENT: DOMINION EXPLORERS  
David Lake Project

DATE: October 20, 1989

SAMPLE No.	Au ppb
11037	6
11038	5
11039	3
11040	6
11041	4
11042	<1
11043	<1
11044	5
11045	5
11046	14
11047	13
11048	4
11049	3
11050	14
11051	7
11052	<1
11053	6
11054	10
11055	2
11056	8

Samples, Pulps and rejects discarded after two months.

Assayer: 





# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0532

No. 6138

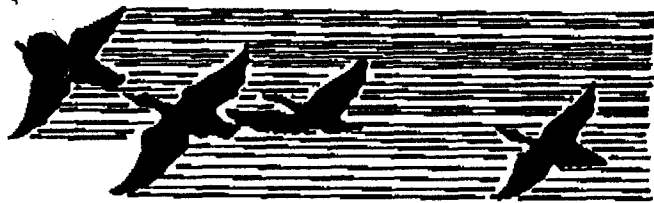
CLIENT: DOMINION EXPLORERS  
David Lake Project

DATE: October 20, 1989

SAMPLE No.	Au ppb
11057	8
11058	9
11059	5
11060	37
11061	114
11062	50
11063	126
11064	69

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1988 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 203

No. 5941

CLIENT: DOMINION EXPLORERS  
Project DLP

DATE: September 29, 1989

SAMPLE No.	Au ppb	Ag ppm	Cu ppm	Zn ppm
DLP 101	31	2	111	258

Samples, Pulps and rejects discarded after two months.

Assayer: 

METCALFE and Associates Ltd.

DAVID LAKES  
APPENDIX VI

ANALYTICAL CERTIFICATES  
(SOILS)

CLAIM GROUP "A"



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0565

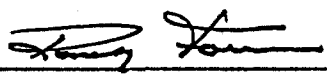
No. 7220

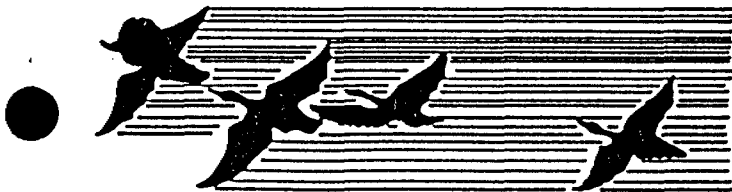
CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
LOE 30N	<1	3.2
LOE 60N	5	0.9
LOE 90N	4	0.5
LOE 120N	5	1.2
LOE 150N	8	1.5
LOE 180N	<1	1.5
LOE 210N	1	0.6
LOE 240N	16	0.5
LOE 270N	30	0.8
LOE 300N	32	0.5
LOE 330N	80	1.3
LOE 390N	40	1.1
LOE 420N	15	0.3
LOE 450N	3	1.8
LOE 30S	<1	1.3
LOE 60S	4	0.2
LOE 90S	14	1.6
LOE 120S	17	1.2
LOE 150S	<1	0.9

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0565


No. 7221

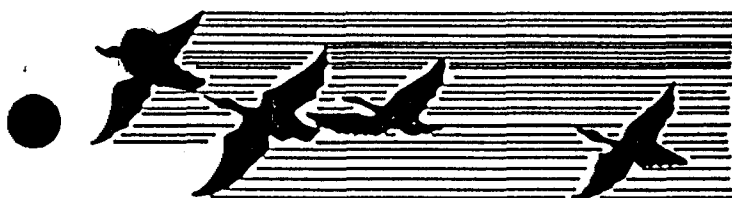
CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
LOE 180S	23	1.6
LOE 210S	28	1.0
LOE 240S	<1	0.5
LOE 270S	22	1.9
LOE 300S	10	1.5
LOE 330S	43	0.9
LOE 360S	<1	1.1
LOE 390S	24	1.0
L1E 030N	60	1.2
L1E 060N	73	2.0
L1E 090N	39	0.4
L1E 120N	2	0.9
L1E 150N	17	1.4
L1E 180N	7	1.3
L1E 210N	<1	0.3
L1E 240N	60	0.5
L1E 270N	4	0.1
L1E 300N	2	0.3

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05650

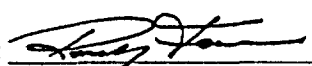
No. 7222

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L1E 330N	3	0.4
L1E 360N	36	<0.1
L1E 390N	10	0.7
L1E 420N	<1	0.3
L1E 480N	<1	<0.1
L1E 510N	8	1.6
L1E 540N	48	1.0
L1E 030S	27	1.2
L1E 060S	7	0.1
L1E 090S	4	1.3
L1E 120S	6	1.9
L1E 150S	40	1.5
L1E 180S	29	0.6
L1E 210S	13	0.9
L1E 240S	11	0.3
L1E 270S	10	0.9
L1E 300S	10	1.8
L1E 330S	12	1.9

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05657

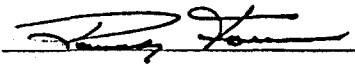
No. 7223

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L1W BL-0	3	3.1
L1W 030N	7	2.7
L1W 180N	<1	1.0
L1W 210N	25	3.2
L1W 240N	11	2.1
L1W 330N	1	0.6
L1W 390N	4	1.7
L1W 060S	5	1.5
L1W 090S	4	3.0
L1W 120S	13	1.6
L1W 150S	4	2.6
L1W 180S	16	2.1
L1W 210S	4	2.4
L1W 240S	9	2.5
L1W 270S	14	2.6
L1W 300S	6	2.1
L1W 330S	14	2.1
L1W 360S	3	1.2
L1W 390S	1	0.6
L1W 420S	8	2.6

Samples, Pulps and rejects discarded after two months.

Assayer: 





# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05658


No. 7224

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L1W 450S	2	1.7
L1W 480S	6	1.9
L1W 510S	4	1.9
L2E 030N	13	2.5
L2E 060N	13	0.8
L2E 090N	15	1.7
L2E 120N	9	0.9
L2E 180N	11	1.3
L2E 210N	25	1.2
L2E 240N	18	1.0
L2E 270N	50	1.9
L2E 300N	9	2.3
L2E 330N	31	2.0
L2E 360N	23	1.8
L2E 390N	18	1.5
L2E 420N	10	1.0
L2E 450N	17	1.0
L2E 480N	2	0.9

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05659

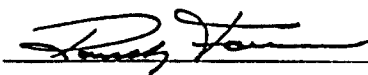
No. 7225

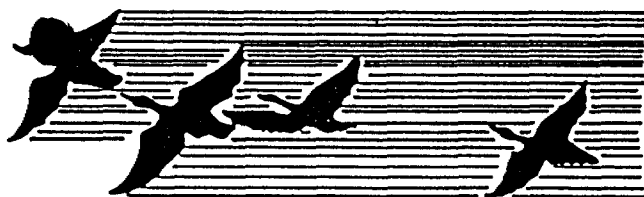
CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L2E 510N	21	1.1
L2E 540N	8	0.6
L2E 570N	28	1.6
L2E 600N	36	1.2
L2E 00NS	29	2.1
L2E 030S	12	2.8
L2E 060S	29	1.9
L2E 090S	77	1.8
L2E 120S	18	0.4
L2E 150S	60	1.2
L2E 180S	17	1.5
L2E 210S	15	1.0
L2E 240S	8	1.9
L2E 270S	23	1.8
L2E 300S	7	0.9
L2W BL-0	1	2.0
L2W 210N	2	0.6
L2W 360N	3	0.9

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0566

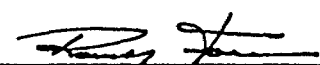
No. 7226

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L2W 030S	13	1.8
L2W 060S	6	1.3
L2W 090S	5	1.6
L2W 120S	<1	2.2
L2W 150S	2	3.4
L2W 180S	6	3.0
L2W 210S	<1	3.5
L2W 240S	22	0.7
L2W 270S	19	0.2
L2W 300S	3	2.5
L2W 330S	10	3.1
L2W 360S	6	2.3
L2W 390S	7	0.6
L2W 420S	12	1.8
L2W 450S	6	0.2
L2W 480S	31	3.6
L2W 570S	10	1.6
L3E 000N	46	1.0
L3E 030N	22	3.1
L3E 060N	8	1.3

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0566


No. 7227

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L3E 090N	7	0.9
L3E 120N	39	0.5
L3E 150N	18	1.9
L3E 180N	16	1.0
L3E 210N	16	1.7
L3E 240N	27	1.3
L3E 270N	89	0.8
L3E 300N	16	2.3
L3E 330N	51	1.3
L3E 360N	11	0.6
L3E 450N	29	0.5
L3E 480N	27	1.5
L3E 510N	15	1.3
L3E 540N	19	1.8
L3E 570N	16	0.6
L3E 600N	51	1.9
L3E 630N	17	0.5
L3E 030S	38	2.3
L3E 060S	16	1.3
L3E 090S	24	1.7

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0566


No. 7228

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L3E 120S	16	1.6
L3E 150S	36	2.2
L3E 180S	30	1.2
L3E 210S	32	0.7
L3E 240S	14	1.1
L3W 000N	8	0.6
L3W 030N	2	1.5
L3W 060N	15	0.3
L3W 090N	4	0.8
L3W 120N	8	0.4
L3W 150N	3	0.4
L3W 180N	21	0.3
L3W 210N	2	0.5
L3W 240N	2	0.6
L3W 270N	6	1.4
L3W 300N	14	2.4
L3W 330N	3	1.3
L3W 030S	10	1.1
L3W 060S	<1	1.5
L3W 090S	7	0.5

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05663

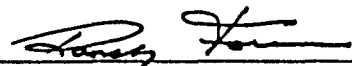
No. 7229

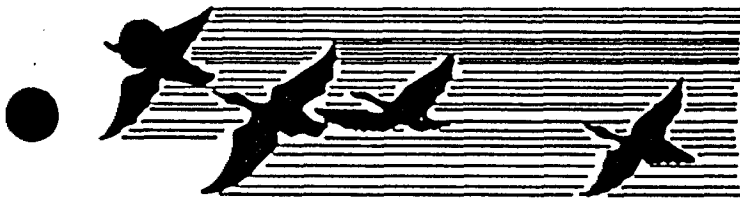
CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L3W 120S	3	0.2
L3W 150S	3	1.9
L3W 180S	79	2.8
L3W 210S	2	0.8
L3W 240S	3	1.7
L3W 270S	17	1.1
L3W 300S	17	1.8
L3W 330S	22	1.0
L3W 360S	11	0.1
L3W 390S	16	2.1
L3W 420S	4	1.9
L3W 450S	17	0.5
L3W 480S	18	0.1
L3W 510S	19	1.4
L3W 540S	14	1.6
L3W 570S	16	3.3
L4E BL-0	17	1.3
L4E 030N	no sample	
L4E 060N	no sample	
L4E 090N	18	1.4
L4E 120N	20	1.4

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0566

No. 7230

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L4E 150N	25	1.1
L4E 180N	20	1.8
L4E 210N	10	1.6
L4E 240N	10	2.7
L4E 270N	8	1.9
L4E 300N	11	0.5
L4E 330N	12	0.7
L4E 360N	17	1.2
L4E 390N	9	1.5
L4E 420N	23	1.7
L4E 450N	2	1.3
L4E 480N	5	0.5
L4E 510N	41	1.1
L4E 540N	24	3.6
L4E 570N	22	0.9
L4E 600N	7	1.7
L4E 630N	5	1.7
L4E 660N	5	0.6
L4E 690N	13	0.9
L4E 720N	19	0.8

Samples, Pulps and rejects discarded after two months.

Assayer: *Randy Thomas*



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05665

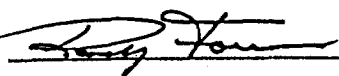
No. 7231

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L4E 030S	24	0.7
L4E 060S	15	0.5
L4E 090S	10	0.6
L4E 120S	26	0.3
L4E 150S	11	1.0
L4E 180S	11	2.3
L4E 210S	9	1.9
L4W 000N	25	0.8
L4W 030N	6	0.4
L4W 060N	8	1.7
L4W 090N	7	1.5
L4W 120N	7	0.3
L4W 150N	17	0.5
L4W 180N	36	0.4
L4W 210N	<1	1.6
L4W 240N	40	2.8
L4W 270N	14	2.1
L4W 300N	10	1.9

Samples, Pulps and rejects discarded after two months.

Assayer: 





# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05666

No. 7232

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L4W 030S	5	3.7
L4W 060S	11	0.9
L4W 090S	23	0.9
L4W 120S	5	1.6
L4W 150S	10	1.5
L4W 180S	8	1.6
L4W 210S	4	1.6
L4W 240S	11	1.8
L4W 270S	23	2.0
L4W 300S	6	2.9
L4W 330S	8	2.5
L4W 360S	<1	0.2
L4W 390S	25	1.3
L4W 420S	25	3.9
L4W 450S	<1	3.2
L4W 480S	4	4.5
L4W 510S	2	2.5
L4W 540S	3	2.2
L4W 570S	<1	2.7
L4W 600S	4	2.8

Samples, Pulps and rejects discarded after two months.

Assayer: *Paul Tom*



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05667

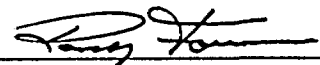
No. 7233

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L5E 000N	8	2.2
L5E 030N	18	1.6
L5E 060N	8	2.6
L5E 090N	8	3.1
L5E 120N	11	1.6
L5E 180N	8	1.2
L5E 210N	10	2.4
L5E 240N	13	1.9
L5E 270N	37	1.9
L5E 300N	15	1.3
L5E 330N	9	0.3
L5E 360N	23	2.5
L5E 390N	11	2.0
L5E 420N	12	3.6
L5E 450N	9	0.3
L5E 480N	15	2.9
L5E 510N	7	0.8
L5E 540N	14	1.3
L5E 570N	9	2.2
L5E 600Na	10	0.4
L5E 600Nb	34	3.1

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05668


No. 7234

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L5E 630N	29	2.6
L5E 660N	55	3.8
L5E 690N	60	2.1
L5E 720N	39	3.5
L5E 750N	27	2.3
L5E 780N	41	4.3
L5E 810N	41	5.0
L5E 840N	52	2.9
L5E 030S	32	2.6
L5E 060S	30	0.9
L5E 090S	14	1.2
L5E 120S	17	2.8
L5E 150S	14	0.8
L5E 180S	13	0.9
L5W 000N	37	2.9
L5W 030N	10	3.3
L5W 060N	1	1.4
L5W 090N	10	0.5
L5W 120N	10	0.8

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05669

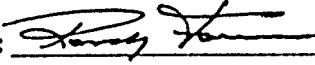
No. 7235

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L5W 150N	28	1.3
L5W 180N	7	2.3
L5W 210N	2	1.5
L5W 240N	3	2.3
L5W 030S	2	2.6
L5W 060S	20	0.2
L5W 090S	26	1.3
L6E 000N	32	1.3
L6E 030N	33	1.3
L6E 060N	31	2.5
L6E 090N	22	1.6
L6E 120N	63	1.9
L6E 150N	23	3.5
L6E 180N	21	4.6
L6E 210N	18	0.3
L6E 240N	54	<0.1
L6E 270N	no sample	
L6E 390N	no sample	
L6E 420N	62	0.1
L6E 450N	3	0.1

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05670

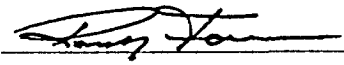
No. 7236

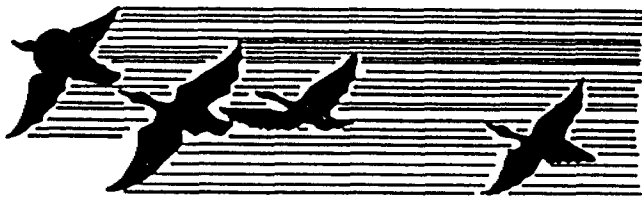
CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L6E 480N	5	0.2
L6E 510N	3	0.9
L6E 540N	8	1.7
L6E 570N	2	3.5
L6E 600N	3	1.4
L6E 630N	3	0.6
L6E 660N	5	0.8
L6E 690N	3	0.6
L6E 720N	27	1.3
L6E 750N	10	1.0
L6E 780N	11	0.3
L6E 810N	9	1.4
L6E 030S	2	2.3
L6E 060S	4	0.8
L6E 090S	11	0.5
L6E 120S	14	1.8
L6W 030N	6	1.8
L6W 060N	32	1.9
L6W 090N	18	2.2
L6W 120N	16	1.9

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05671


No. 7237

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L6W 150N	6	1.1
L6W 180N	3	1.4
L6W 210N	<1	3.6
L6W 240N	9	3.9
L6W 270N	30	2.6
L6W 030S	<1	1.4
L6W 060S	2	0.3
L6W 090S	6	0.4
L6W 120S	2	0.4
L6W 150S	6	2.7
L6W 180S	3	1.6
L6W 210S	6	0.7
L6W 240S	10	1.6
L6W 270S	16	0.4
L6W 300S	2	0.5
L6W 330S	9	1.0
L6W 360S	14	0.9
L6W 390S	7	1.6
L6W 420S	29	0.2
L6W 450S	5	0.4

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05672


No. 7238

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L6W 480S	2	1.4
L6W 510S	1	1.2
L6W 540S	4	3.2
L6W 570S	9	2.6
L6W 600S	36	1.2
L6W 630S	12	1.8
L6W 660S	7	0.3
L6W 690S	3	1.1
L7E BL-0	14	2.9
L7E 030N	2	1.4
L7E 060N	16	1.4
L7E 090N	15	2.4
L7E 120N	14	1.7
L7E 150N	<1	0.5
L7E 210N	1	0.4
L7E 240N	17	2.8
L7E 360N	11	2.5
L7E 390N	77	2.3

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05673

No. 7239

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L7E 420N	3	3.0
L7E 450N	2	0.9
L7E 480N	1	1.3
L7E 510N	2	5.9
L7E 540N	1	1.9
L7E 570N	2	2.4
L7E 630N	4	0.2
L7E 660N	8	2.7
L7E 690N	3	1.0
L7E 720N	8	1.6
L7E 750N	1	2.2
L7E 780N	17	1.6
L7E 060S	9	1.3
L7W BL-0	41	2.5
L7W 030N	6	2.0
L7W 060N	4	3.6
L7W 120N	52	2.8
L7W 150N	39	2.1

Samples, Pulps and rejects discarded after two months.

Assayer: \_\_\_\_\_





# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05674

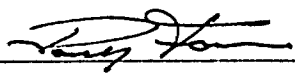
No. 7240

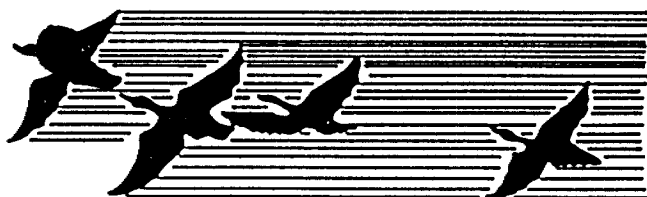
CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L7W 180N	7	2.9
L7W 210N	10	2.2
L7W 030S	6	2.5
L7W 060S	19	0.7
L7W 090S	18	1.1
L7W 120S	16	2.1
L7W 150S	24	2.4
L7W 180S	9	4.8
L7W 210S	5	2.2
L7W 240S	4	1.0
L7W 270S	13	1.2
L7W 300S	5	1.1
L7W 330S	4	1.5
L7W 360S	21	1.0
L7W 390S	23	1.1
L7W 420S	4	0.6
L7W 450S	8	0.5
L7W 480S	7	3.1
No Tag	1	4.2

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05675


No. 7241

CLIENT: DOMINION EXPLORERS INC.  
David Lake Project

DATE: November 15, 1989

SAMPLE No.	Au ppb	As ppm
L8E 000N	19	1.1
L8E 030N	18	1.9
L8E 060N	7	3.1
L8E 090N	5	2.2
L8E 120N	28	2.9
L8E 150N	8	2.0
L8E 180N	26	5.6
L8E 210N	2	3.7
L8E 240N	1	2.6
L8E 270N	5	2.6
L8E 300N	5	3.4
L8E 330N	5	6.1
L8E 360N	3	3.2
L8E 390N	1	2.9
L8E 420N	<1	3.2
L8E 450N	19	1.5
L8E 480N	4	6.8

Samples, Pulps and rejects discarded after two months.

Assayer: 

CLAIM GROUP "B"



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05421

No. 1691

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
LOW 0+00N	13	1.4
LOW 0+50N	4	1.2
LOW 1+00N	4	1.0
LOW 1+50N	6	1.0
LOW 2+00N	12	1.2
LOW 4+00N	7	0.8
LOW 4+50N	8	1.8
LOW 5+00N	9	1.0
LOW 5+50N	9	2.2
LOW 6+00N	8	10.0
LOW 6+50N	17	1.4
LOW 7+00N	1	3.2
LOW 8+00N	6	3.4
LOW 8+50N	7	3.1
LOW 9+00N	3	2.5
LOW 9+50N	5	23.5
LOW 10+00N	5	1.0
LOW 10+50N	8	1.9
LOW 11+00N	11	1.0
LOW 11+50N	7	1.8
LOW 12+50N	6	2.2

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05307

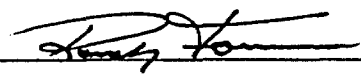
No. 6121

CLIENT: DOMINION EXPLORERS  
David Lake Project

DATE: October 18, 1989

SAMPLE No.	Au ppb	As ppm
L1W 0+00S	<1	2.6
L1W 0+50S	3	1.6
L1W 1+00S	<1	1.4
L1W 1+50S	12	1.2
L1W 2+00S	2	4.2
L1W 2+50S	<1	2.0
L1W 3+00S	4	0.4
L1W 3+50S	3	2.1
L1W 4+00S	<1	0.2

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05420

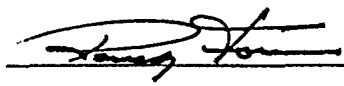
No. 1690

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L1W BL 0+00N	8	2.0
L1W 0+50N	14	1.2
L1W 1+00N	5	0.6
L1W 1+50N	5	0.4
L1W 2+00N	10	1.0
L1W 2+50N	16	0.8
L1W 4+00N	11	1.0
L1W 4+50N	6	0.4
L1W 5+00N	5	1.2
L1W 5+50N	2	2.2
L1W 6+00N	4	1.0
L1W 6+50N	20	0.6
L1W 8+00N	14	1.4
L1W 8+50N	6	2.4
L1W 9+00N	15	2.0
L1W 9+50N	18	10.6
L1W 10+00N	14	1.0
L1W 10+50N	10	1.6
L1W 11+00N	6	1.5
L1W 11+50N	8	1.2
L1W 12+00N	14	1.0

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05422

No. 1692

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L1E 1+00N	7	2.1
L1E 1+50N	6	3.1
L1E 2+00N	8	2.2
L1E 2+50N	4	0.9
L1E 3+00N	12	1.9
L1E 3+50N	7	1.4
L1E 4+00N	6	2.4
L1E 4+50N	<1	2.5
L1E 5+00N	2	1.8
L1E 5+50N	3	3.3
L1E 6+00N	10	0.9
L1E 6+50N	7	1.5
L1E 7+00N	5	2.8
L1E 1+00S	10	1.9
L1E 1+50S	4	2.5
L1E 2+00S	5	3.5
L1E 3+00S	17	0.5
L1E 3+50S	5	0.9

Samples, Pulps and rejects discarded after two months.

Assayer: *Randy Jones*



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2802

## CERTIFICATE OF ANALYSIS

NO. 2094

No. 5988

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 3, 1989

SAMPLE No.	Au ppb
L2W 8+00N	5
L2W 8+50N	<1
L2W 9+00N	6
L2W 9+50N	4
L2W 10+00N	17
L2W 10+50N	5
● 11+00N	3
L2W 11+50N	2
L2W 12+00N	2

Samples, Pulps and rejects discarded after two months.

ANALYST: 





# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05423

No. 1693

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L2E 0+50N	6	1.0
L2E 1+50N	2	1.3
L2E 2+00N	4	2.0
L2E 2+50N	3	1.6
L2E 3+50N	<1	2.4
L2E 4+00N	2	2.0
L2E 4+50N	<1	2.5
L2E 5+00N	<1	0.6
L2E 5+50N	3	1.5
L2E 6+00N	6	1.2
L2E 6+50N	<1	2.4
L2E 7+00N	<1	0.3
L2E 7+50N	<1	2.5
L2E 8+00N	<1	3.9

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05424

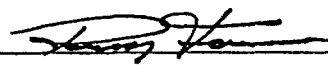
No. 1694

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L2E 2+00S	<1	0.5
L2E 2+50S	<1	0.7
L2E 3+00S	<1	1.4
L2E 3+50S	4	0.2
L2E 4+00S	<1	1.8
L3E 0+00N	2	0.9
L3E 0+50N	<1	1.0
L3E 2+50N	<1	2.8
L3E 3+00N	4	1.9
L3E 3+50N	4	2.9
L3E 4+50N	5	1.7
L3E 5+00N	<1	2.2
L3E 5+50N	<1	1.8
L3E 6+00N	<1	2.1
L3E 7+00N	1	0.7
L3E 7+50N	5	0.8
L3E 8+00N	<1	1.1
L4E 0+00N	3	1.6
L4E 1+00N	<1	1.1
L4E 3+00N	<1	1.7

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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## CERTIFICATE OF ANALYSIS

NO. 213

No. 6007

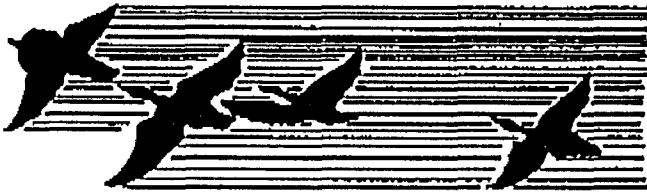
CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 5, 1989

SAMPLE No.		As ppm
L2W 8+00N		1.1
L2W 8+50N		2.0
L2W 9+00N		2.8
L2W 9+50N		1.5
L2W 10+00N		1.6
L2W 10+50N		2.3
L2W 11+00N		1.9
L2W 11+50N		2.1
L2W 12+00N		4.8
L3W 4+00N		2.4
L3W 4+50N		3.1
L3W 5+00N	no sample	*
L3W 5+50N	no sample	*
L3W 6+00N		2.2
L3W 6+50N		1.4
L3W 7+00N		1.9
L3W 7+50N		2.1
L3W 8+00N		1.8
L3W 8+50N		0.2
L3W 9+00N		1.4

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 213

No. 6008

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 5, 1989

SAMPLE No.	As ppm
L3W 9+75N	1.1
L3W 10+00N	1.5
L3W 10+50N	2.6
L3W 11+00N	2.3
L3W 11+50N	2.0
L3W 12+00N	3.1

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05308

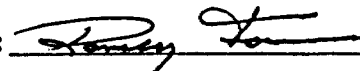
No. 6122

CLIENT: DOMINION EXPLORERS  
David Lake Project

DATE: October 18, 1989

SAMPLE No.	Au ppb	As ppm
L3W 0+00S	5	4.8
L3W 0+50S	1	1.4
L3W 1+00S	<1	0.8
L3W 1+50S	14	2.1
L3W 2+00S	4	1.2
L3W 2+50S	4	1.8
L3W 3+00S	2	0.8
L3W 3+50S	5	0.6
L3W 4+00S	3	2.2

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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## CERTIFICATE OF ANALYSIS

NO. 2093

No. 5987

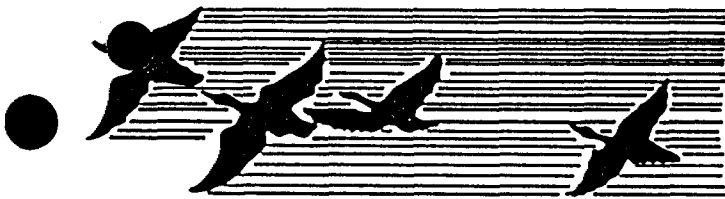
CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 3, 1989

SAMPLE No.		Au ppb
L3W 4+00N		3
L3W 4+50N		<1
L3W 5+00N	no sample	*
L3W 5+50N	no sample	*
L3W 6+00N		4
● 6+50N		3
L3W 7+00N		4
L3W 7+50N		2
L3W 8+00N		3
L3W 8+50N		4
L3W 9+00N		7
L3W 9+50N		3
L3W 10+00N		5
L3W 10+50N		4
L3W 11+00N		4
L3W 11+50N		6
L3W 12+00N		5
L3W 12+50N		3

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0542!

No. 1695

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L4E 4+50N	<1	0.3
L4E 5+00N	<1	2.0
L4E 6+00N	4	0.8
L4E 6+50N	2	0.2
L4E 7+00N	<1	2.4
L4E 8+00N	<1	1.2

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05426

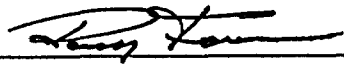
No. 1696

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L4E 0+50S	<1	1.1
L4E 1+00S	<1	2.1
L4E 2+50S	3	0.6
L4E 3+00S	2	0.2
L4E 3+50S	<1	2.5
VL4E 4+00S	5	0.7

Samples, Pulps and rejects discarded after two months.

Assayer: 





# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05306

No. 6120

CLIENT: DOMINION EXPLORERS  
David Lake Project

DATE: October 18, 1989

SAMPLE No.	Au ppb	As ppm
L5E 0+00N	33	1.8
L5E 0+50N	<1	1.8
L5E 1+00N	<1	1.0
L5E 1+50N	<1	0.7
L5E 2+00N	<1	0.6
L5E 2+50N	<1	0.7
L5E 3+00N	<1	1.2
L5E 3+50N	<1	1.4
L5E 4+50N	<1	1.7
L5E 6+00N	<1	1.8
L5E 6+50N	<1	1.2
L5E 7+00N	<1	1.0
L5E 7+50N	<1	1.8
L5E 8+00N	<1	1.4

Samples, Pulps and rejects discarded after two months.

Assayer: *Ruby Thomas*



# WAWA ASSAYING INC.

P.O. Box 1998 • Wawa, Ontario POS 1K0 • 705-856-4443  
127 Mission Road Fax • 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 054

No. 1697

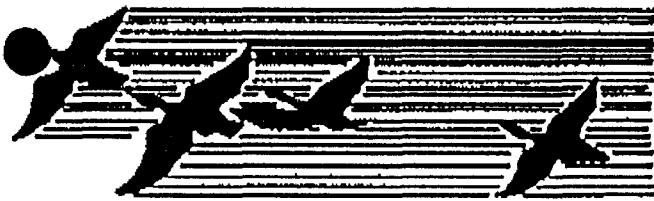
CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L7E 0+00N	5	1.7
L7E 0+50N	21	0.2
L7E 1+00N	5	1.0
L7E 1+50N	4	0.9
L7E 3+00N	10	1.8
L7E 3+50N	10	2.0
L7E 4+00N	9	1.8
L7E 5+00N	8	24.5
L7E 5+50N	6	3.0
L7E 6+00N	4	1.5
L7E 6+50N	5	2.0
L7E 7+00N	4	1.7
L7E 7+50N	8	3.4
L7E 8+00N	6	1.8

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2802

## CERTIFICATE OF ANALYSIS

NO. 054

No. 1698

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As PPM
L7E 0+50S	10	3.3
L7E 1+00S	7	1.2
L7E 1+50S	7	1.8
L7E 2+00S	37	0.4
L7E 2+50S	6	0.5
L7E 3+00S	5	0.7

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05429

No. 1699

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L8E 0+00	3	2.3
L8E 0+50N	2	1.4
L8E 1+00N	4	2.2
L8E 1+50N	2	3.5
L8E 2+00N	1	2.1
L8E 2+50N	4	0.1
L8E 3+00N	2	2.0
L8E 3+50N	<1	1.3
L8E 4+00N	1	2.4
L8E 4+50N	2	1.5
L8E 5+00N	2	0.5
L8E 5+50N	6	1.6
L8E 6+00N	4	1.9
L8E 6+50N	8	0.4
L8E 7+00N	4	2.1
L8E 7+50N	<1	3.4
L8E 8+00N	<1	3.1

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

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127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05430

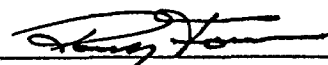
No. 1700

CLIENT: DOMINION EXPLORERS  
David Lake

DATE: October 26, 1989

SAMPLE No.	Au ppb	As ppm
L8E 0+50S	1	2.5
L8E 1+00S	2	2.4
L8E 1+50S	9	2.4
L8E 3+00S	4	2.6

Samples, Pulps and rejects discarded after two months.

Assayer: 

CLAIM GROUP "C"



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05293


No. 6124

CLIENT: DOMINION EXPLORERS  
David Lake Project

DATE: October 18, 1989

SAMPLE No.	Au ppb	As ppm
L24E 0+00N	5	1.2
L24E 1+00N	<1	0.6
L24E 1+50N	<1	0.2
L24E 2+00N	<1	0.4
L24E 2+50N	1	0.4
L24E 4+00N	<1	2.2
L25E 0+00N	<1	1.0
L25E 0+50N	3	0.8
L25E 1+00N	<1	2.2
L25E 2+00N	<1	1.6
L25E 2+50N	3	1.0
L25E 3+00N	<1	1.1
L25E 4+00N	28	0.2
L26E 0+50N	4	1.4
L26E 1+00N	<1	0.5
L26E 1+50N	<1	1.3
L26E 2+00N	1	0.8
L26E 2+50N	3	0.5
L26E 3+00N	8	1.5
L26E 3+50N	16	0.6
L26E 4+00N	4	1.2

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 0529

No. 6125

CLIENT: DOMINION EXPLORERS  
David Lake Project

DATE: October 18, 1989

SAMPLE No.	Au ppb	As ppm
L26E 1+00S	2	1.8
L26E 2+00S	<1	0.6
L26E 2+50S	1	0.8
L26E 3+00S	3	0.8

Samples, Pulps and rejects discarded after two months.

Assayer: 





# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05304

No. 6128

CLIENT: DOMINION EXPLORERS  
David lake Project

DATE: October 18, 1989

SAMPLE No.	Au ppb	As ppm
L27E 0+50N	7	8.9
L27E 1+00N	<1	1.4
L27E 2+00N	3	0.3
L27E 2+50N	2	1
L27E 3+00N	6	7
L27E 3+50N	<1	8
L27E 4+00N	5	3.2

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05305

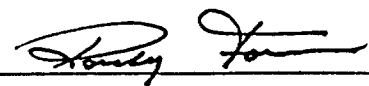
No. 6129

CLIENT: DOMINION EXPLORERS  
David lake Project

DATE: October 18, 1989

SAMPLE No.	Au ppb	As ppm
L27E 0+00S	8	1.4
L27E 0+50S	<1	1.2
L27E 1+00S	7	0.4
L27E 1+50S	4	0.8
L27E 2+00S	6	0.2
L27E 2+50S	9	1.3
L27E 3+50S	4	0.4

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 054

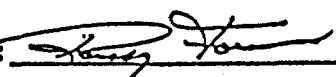
No. 7113

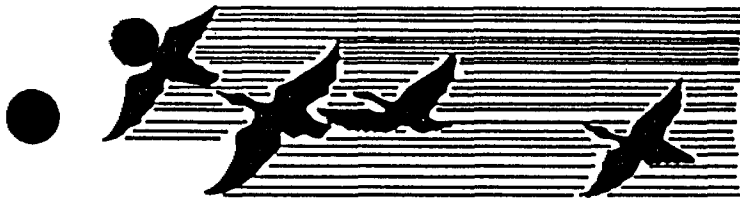
CLIENT: DOMINION EXPLORERS  
David Lake Project

DATE: October 27, 1989.

SAMPLE No.	Au ppb	As ppm
L24E 0+50S	4	0.3
L24E 1+00S	8	1.4
L24E 1+50S	3	2.0
L24E 2+00S	4	1.1
L24E 2+50S	14	1.5
L24E 3+00S	<1	1.4
L24E 3+50S	2	1.9
L24E 4+00S	3	1.3
L25E 0+50S	5	0.1
L25E 1+00S	12	0.1
L25E 2+00S	2	2.4
L25E 2+50S	<1	1.7
L25E 3+00S	6	2.5
L25E 3+50S	2	1.5
L25E 4+00S	4	1.6

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05477


No. 7110

CLIENT: DOMINION EXPLORERS INC.  
David Lake

DATE: October 30, 1989

SAMPLE No.	Au ppb	As ppm
L32E BLO	<1	1.4
L32E 30N	<1	<0.1
L32E 60N	11	0.5
L32E 90N	<1	1.0
L32E 120N	<1	0.3
L32E 30S	<1	0.4
L32E 60S	<1	0.6
L32E 90S	<1	1.1
L32E 120S	<1	0.1

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario P0S 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05461

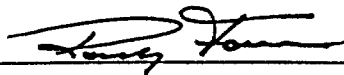
No. 7111

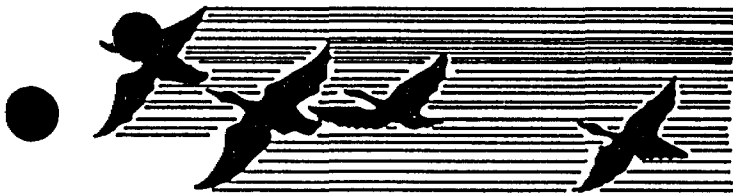
CLIENT: DOMINION EXPLORERS INC.  
David Lake

DATE: October 31, 1989

SAMPLE No.		Au ppb	As ppm
D1	L27E 210m S	<1	0.7
D2	180m S	<1	3.4
D3	150m S	<1	0.3
D4	120m S	<1	1.4
D5	90m S	<1	0.6
D6	60m S	<1	0.9
	30m S	<1	0.4
D8	8h0	<1	2.5
D9	30m N	<1	2.4
D10	60m N	<1	2.3
D11	90m N	10	1.0
D12	120m N	2	1.4
D15	150m N	<1	<0.1
D16	210m N	<1	0.5
D17	L28E 210m N +35	3	1.5
D18	180m N	16	4.1
D19	150m N	<1	1.0
D20	120m N	2	1.9
D21	90m N	5	1.5
D22	60m N	3	0.7

Samples, Pulps and rejects discarded after two months.

Assayer: 



# WAWA ASSAYING INC.

P.O. Box 1998 - Wawa, Ontario POS 1K0 - 705-856-4443  
127 Mission Road Fax - 705-856-2902

## CERTIFICATE OF ANALYSIS

NO. 05462


No. 7112

CLIENT: DOMINION EXPLORERS INC.  
David Lake

DATE: October 31, 1989

SAMPLE No.		Au ppb	As ppm	
D23	L 28 + 35 E	30 N	4	4.0
D24		8 L O	3	2.8
D26		30 m N	<1	1.1
D27		60 m N	4	1.6
D28		90 m N	32	2.3
D29		120 m N	3	0.4
D30		150 m N	2	4.3
D31	L 30 + 00 E	8 L O	<1	2.4
D32		30 m N	3	2.0
D33		60 m N	1	2.2
D34		90 m N	<1	1.6
D35		30 m S	7	3.5
D36		60 m S	3	0.5
D37		90 m S	3	2.0
D38		120 m S	1	1.3
D39		150 m S	<1	1.0

Samples, Pulps and rejects discarded after two months.

Assayer: 

METCALFE and Associates Ltd.

DAVID LAKES  
APPENDIX VII

PROJECT COST-STATEMENT

APPENDIX I: list of claims (including sampling statistics)

License no.	l/cut km	l/flag km	# ROCK	# SOIL (sites/samples)	l/c geol person-days	soil	
<b>GROUP A</b>	<b>1.525</b>	<b>11.05</b>	<b>22</b>	<b>370(338)</b>	<b>8</b>	<b>21</b>	<b>16</b>
SSM 1064200	-	1.100	1	36(35)	-	--	--
SSM 1064201	.325	1.150	3	38(37)	-	--	--
SSM 1064202	-	1.825	1	63(62)	-	--	--
SSM 1064203	.450	1.525	5	48(36)	-	--	--
SSM 1064204	.300	1.650	8	56(55)	-	--	--
SSM 1064215	-	2.050	3	67(62)	-	--	--
SSM 1064216	.450	1.750	1	62(51)	-	--	--
<b>GROUP B</b>	<b>1.174</b>	<b>11.275</b>	<b>22</b>	<b>252(214)</b>	<b>3</b>	<b>34</b>	<b>16</b>
SSM 1064205	-	1.125	-	27(24)	-	--	--
SSM 1064206	.212	1.350	1	43(29)	-	--	--
SSM 1064207	.212	.725	5	20(17)	-	--	--
SSM 1064208	-	.825	5	19(18)	-	--	--
SSM 1064209	.325	.800	1	12(11)	-	--	--
SSM 1064210	-	1.350	2	31(26)	-	--	--
SSM 1064211	-	1.625	-	25(21)	-	--	--
SSM 1064212	.425	.675	5	15(13)	-	--	--
SSM 1064220	-	1.300	1	24(19)	-	--	--
SSM 1064221	-	1.500	2	36(36)	-	--	--
<b>GROUP C</b>	<b>1.325</b>	<b>4.050</b>	<b>18</b>	<b>100(85)</b>	<b>3</b>	<b>11</b>	<b>8</b>
SSM 1064222	-	1.000	3	19(16)	-	--	--
SSM 1064223	.425	2.100	-	49(38)	-	--	--
SSM 1064224	.300	.700	9	23(22)	-	--	--
SSM 1064225	.600	.250	6	9(9)	-	--	--
<b>21 CLAIMS</b>	<b>4.024</b>	<b>26.375</b>	<b>62</b>	<b>722(637)</b>	<b>18</b>	<b>66</b>	<b>39</b>

- all claims registered to Dominion Explorers Inc.  
#916, 111 Richmond St. West  
Toronto, Ontario M5H 2G4

- all claims registered February 7/1989



DAVID LAKE PROJECT

FINAL STATEMENT

(My Reference 89-056C)

JANUARY 22, 1990

M&A(to Jan 22):

TIME: office:...212.5 hours @ \$52/hr.....\$11,050.00 ✓  
 field:...4 days @ \$350/day.....\$ 1,400.00 ✓

EXPENSES:

disbursements:.....\$ 940.96  
 . drafting:.....\$ 1,069.71  
 travel:...local.....\$ 117.37  
       ...field.....\$ 486.59  
 auto:...local..814.7 km @ \$0.35/km.....\$ 285.15  
       ..field..952.05 km @ \$0.35/km.....\$ 333.22

subtotal: \$ 3,233.00  
 12.5% surcharge: \$ 404.13

TOTAL EXPENSES: \$ 3,637.13

SUBCONTRACT SERVICES:

TIME:

J. Marcotte...33 days @ \$175/day.....\$ 5,775.00  
 A. Avlonitis...33 days @ \$110/day.....\$ 3,630.00  
       ...78.5 hours @ \$20/hr.....\$ 1,570.00  
 M. Cross...11 days @ \$120/day.....\$ 1,320.00  
 F. Quevillon...11 days @ \$120/day.....\$ 1,320.00  
 R. Voisine...10 days @ \$140/day.....\$ 1,400.00  
 W. Brown...13 days @ \$150/day.....\$ 1,950.00  
       ...1.5 days @ \$200/day.....\$ 300.00  
 D. Brown...12 days @ \$120/day.....\$ 1,440.00  
 D. Watson...12 days @ \$120/day.....\$ 1,440.00

subtotal: \$20,145.00

TRAVEL:

J. Marcotte.....\$ 2,129.63  
 A. Avlonitis.....\$ 238.20  
 M. Cross.....\$ 220.88  
 F. Quevillon.....\$ 100.02  
 R. Voisine.....\$ 625.45  
 W. Brown.....\$ 1,584.56

subtotal: \$ 4,898.74

DISBURSEMENTS:

J. Marcotte (camp supplies).....	\$	324.71
R. Voisine (camp supplies).....	\$	35.57
W. Brown (camp supplies).....	\$	204.76

subtotal:	\$	565.04
-----------	----	--------

TOTAL SUBCONTRACT SERVICES:	\$25,608.78
12.5% Surcharge:	\$ 3,201.10

TOTAL: \$28,809.98

M&A Grand Total:	\$44,897.00
less advances to date:	
September 5,	\$ 5,000.00
October 12,	\$ 8,000.00
October 30,	\$11,286.72
November 14,	\$ 6,853.35
November 14,	\$ 2,191.00
Brown (direct),	\$ 827.46
less 12.5% surcharge on subcontract services,	\$ 3,201.10

BALANCE DUE: \$ 7,537.05

*RW Metcalfe*  
 \_\_\_\_\_  
 R. W. Metcalfe  
 President

*Paid in full  
 RW Metcalfe  
 February 10/90.*

1131 Falgarwood Drive  
Oakville, Ontario, Canada  
L6H 1P1

Tel: (416) 845-0293  
Fax: (416) 845-9662

DAVID LARKES

Summary of  
1989 Analytical Costs (Soils/Rocks)

Invoice #	2206	\$ 277. <sup>50</sup>
	2207	\$ 111. <sup>00</sup>
	2209	\$ 15. <sup>00</sup>
	2222	\$ 231. <sup>00</sup>
	2228	\$ 2,610. <sup>50</sup>
	2229	\$ 727. <sup>50</sup>
	2261	\$ 4,807. <sup>00</sup>
		<u>                    </u>
		\$ 8,779. <sup>50</sup>

RW Nutraf

65 Rock / 709 Soil samples



**WAWA ASSAYING INC.**  
 P.O. BOX 1998, 127 MISSION ROAD,  
 WAWA, ONTARIO POS 1K0  
 (705) 856-4443 FAX (705) 856-2902

**INVOICE**

NO: 02206

DATE: 09-30-89

PAGE: 1 of 1

SOLD TO:

SHIP TO:

Dominion Explorers Inc.  
 916-111 Richmond Street W.  
 Toronto, Ontario  
 M5H 2G4

ITEM NO	QUANTITY	UNIT	DESCRIPTION	F	P	UNIT PRICE	AMOUNT
	35		Gold Analysis, AA Finish			6.500	227.50
	25		Soil Drying And Screening			1.000	25.00
	10		Sample Preparation - Rock			2.500	25.00
COMMENTS:						TOTAL	277.50
Terms: Due Upon Receipt Please Pay From Invoice							

11010

34

*10 Rocks  
 25 Soils*

Samples, Pulps and rejects discarded after two months.



**WAWA ASSAYING INC.**  
 P.O. BOX 1998, 127 MISSION ROAD,  
 WAWA, ONTARIO P0S 1K0  
 (705) 856-4443 FAX (705) 856-2902

**INVOICE**

NO: 02207

DATE: 09-30-89

PAGE: 1 of 1

SOLD TO:

Dominion Explorers Inc.  
 916-111 Richmond Street W.  
 Toronto, Ontario  
 M5H 2G4

SHIP TO:

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	F	P	UNIT PRICE	AMOUNT
	11		Gold Analysis, AA Finish			6.500	71.50
	2		Trace Level Geochemistry				
	2		Silver			2.000	4.00
	2		Copper			2.000	4.00
	2		Zinc			2.000	4.00
	11		Sample Preparation			2.500	27.50
COMMENTS:							
Terms: Due Upon Receipt Please Pay From Invoice						TOTAL	111.00

Samples, Pulps and rejects discarded after two months.

Assayer: 



**WAWA ASSAYING INC.**  
 P.O. BOX 1998, 127 MISSION ROAD,  
 WAWA, ONTARIO P0S 1K0  
 (705) 858-4443 FAX (705) 858-2902

**INVOICE**

NO: 02209  
 DATE: 09-30-89  
 PAGE: 1 of 1

SOLD TO:

SHIP TO:

Dominion Explorers Inc.  
 916-111 Richmond Street W.  
 Toronto, Ontario  
 M5H 2G4

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	F	P	UNIT PRICE	AMOUNT
	1		Gold Analysis, AA Finish			6.500	6.50
	1		Trace Level Geochemistry				
	1		Silver			2.000	2.00
	1		Copper			2.000	2.00
	1		Zinc			2.000	2.00
	1		Sample Preparation - Rock			2.500	2.50

COMMENTS:

Terms: Due Upon Receipt Please Pay From Invoice

TOTAL

15.00

Samples, Pulps and rejects discarded after two months.

Assayer: 



**WAWA ASSAYING INC.**  
 P.O. BOX 1998, 127 MISSION ROAD,  
 WAWA, ONTARIO P0S 1K0  
 (705) 856-4443 FAX (705) 856-2902

**INVOICE**

NO: 02222

DATE: 10-18-84

PAGE: 1 of 1

**SOLD TO:**

Dominion Explorers Inc.  
 916-111 Richmond Street W.  
 Toronto, Ontario  
 M5H 2G4

**SHIP TO:**

*David Lake*

ITEM NO	QUANTITY	UNIT	DESCRIPTION	F	P	UNIT PRICE	AMOUNT
	15		Gold Analysis, AA Finish			6.50	97.50
	24		Arsenic - Trace Level			4.00	96.00
	15		Sample Preparation - Rock			2.50	37.50
COMMENTS:							
Terms: Due Upon Receipt Please Pay From Invoice						TOTAL	231.00

11034 10  
 11035 14  
 11036 26

Samples, Pulps and rejects discarded after two months.

Assayer: *[Signature]*



**WAWA ASSAYING INC.**  
P.O. BOX 1998, 127 MISSION ROAD,  
WAWA, ONTARIO P0S 1K0  
(705) 856-4443 FAX (705) 856-2902

# INVOICE

NO: 0222E

DATE: 10-31

PAGE: 1 of

**SOLD TO:**

Dominion Explorers Inc.  
916-111 Richmond Street W.  
Toronto, Ontario  
M5H 2G4

**SHIP TO:**

ITEM NO	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
	227		Gold Analysis, AA Finish	6.500	
	227		Arsenic - Trace Level	4.000	
	227		Soil Drying And Screening	1.000	
<b>COMMENTS:</b> Terms: Due Upon Receipt Please Pay From Invoice				<b>TOTAL</b>	<b>2,610</b>





**WAWA ASSAYING INC.**  
 P.O. BOX 1998, 127 MISSION ROAD,  
 WAWA, ONTARIO POS 1K0  
 (705) 856-4443 FAX (705) 856-2902

**INVOICE**

NO: 02229

DATE: 10-31-89

PAGE: 1 of 1

SOLD TO:

SHIP TO:

Dominion Explorers Inc.  
 916-111 Richmond Street W.  
 Toronto, Ontario  
 M5H 2G4

*invoice screwed up!*

ITEM NO	QUANTITY	UNIT	DESCRIPTION	F	P	UNIT PRICE	AMOUNT
	3	<i>Maple ✓</i>	Gold Analysis, Fire Assay			7.500	22.50
	64	<i>528 David Rock ✓ 39 David Soil ✓</i>	Gold Analysis, AA Finish			6.500	415.00
	36	<i>(39) - David Soil ✓</i>	Arsenic - Trace Level			4.000	144.00
	67	<i>528 David Rock 39 David Soils</i>	Sample Preparation			2.500	172.50
COMMENTS:							
Terms: Due Upon Receipt . Please Pay From Invoice						TOTAL	750.00

*David*  
 Rock 28 Gold  
 Soil 39 Gold  
 67

*Maple*  
 3 Gold

*Maple - Rock - \$22.50  
 David - Rock - \$252.00  
 Soil - \$475.50  
 \$750.00*



**WAWA ASSAYING INC.**  
P.O. BOX 1998, 127 MISSION ROAD,  
WAWA, ONTARIO P0S 1K0  
(705) 856-4443 FAX (705) 856-2902

### INVOICE

NO: 02261

DATE: 11-27-89

PAGE: 1 of 1

SOLD TO:

Dominion Explorers Inc.  
916-111 Richmond Street W.  
Toronto, Ontario  
M5H 2G4

SHIP TO:

ITEM NO	QUANTITY	UNIT	DESCRIPTION	T	P	UNIT PRICE	AMOUNT
	418		Gold Analysis, AA Finish			6.500	2739.00
	418		Arsenic Determinations			4.000	1672.00
	418		Soil Drying And Screening			1.000	418.00
			<i>Op. n/a.</i> <i>2237-52</i> <i>West Michibicu</i> <i>50% CLC 50% DMN.</i>				
COMMENTS:						TOTAL	4,807.00
Terms: Due Upon Receipt Please Pay From Invoice							



Ontario



42C04SE0017 2.13045 CAMP LAKE

900

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

Mining Lands Section  
880 Bay Street, 3rd Floor  
Toronto, Ontario  
M5S 1Z8

Tel: (416) 965-4888

Your File: W9005.076

Our File: 2.13045

June 21, 1990

Mining Recorder  
Ministry of Northern Development & Mines  
875 Queen Street East  
P. O. Box 669  
SAULT STE. MARIE, ONTARIO  
P6A 2B3

Dear Sir/Madam:

Re: Notice of Intent dated May 22, 1990 for Expenditure submitted  
on Mining Claims SSM 1064200 et al in David Lakes & Camp  
Lake.

---

The assessment work credits, as listed with the above mentioned  
Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so  
indicate on your records.

Yours sincerely,

W. R. Cowan  
Provincial Manager, Mining Lands  
Mines & Minerals Division

*AS*  
LJS:zm

Encl:

cc: Mr. W. D. Tieman  
Mining & Lands Commissioner  
Toronto, Ontario

Resident Geologist  
WAWA, ONTARIO

Dominion Explorers Inc  
Toronto, Ontario

Metcalf & Associates  
Oakville, Ontario



Date  
May 22, 1990

Mining Recorder's Report of  
Work No. W9005.076

Recorded Holder  
**DOMINION EXPLORERS INC.**

Township or Area  
**DAVID LAKES and CAMP LAKE**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days  Section 77 (19) See "Mining Claims Assessed" column  Geological _____ days Geochemical _____ days  Man days <input type="checkbox"/> Airborne <input type="checkbox"/>  Special provision <input type="checkbox"/> Ground <input type="checkbox"/>  <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<p>\$8,779.50 spent on assaying samples taken from mining claims:</p> <p>SSM 1064200 to 212 incl. 1064215 - 16 1064220 to 225 incl.</p> <p>585.30 Days credit allowed which may be grouped in accordance with Section 76(6) of the Mining Act R.S.O. 1980.</p> <p>Note: As discussed with Mr. Abolins only the assays maybe claimed under Section 77(19)</p>

Special credits under section 77 (16) for the following mining claims

[Empty box for special credits]

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       insufficient technical data filed

[Empty box for no credits]

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

DOCUMENT No.  
W9005-076

Instructions  
- Please type or print.  
- Refer to Subsection 7(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.  
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

*April 28*  
*May 26*

Report of Work  
Mining Act (Expenditures, Subsection 77(19)) 2.13045

Type of Work Performed <i>GEOLOGICAL / GEOCHEMICAL</i>	Mining Division <i>SSM</i>	Township or Area <i>CAMP LAKE DAVID LAKES (Wawa)</i>
Recorded Holder <i>DOMINION EXPLORERS INC 2.13045</i>	Prospector's Licence No. <i>A 35056</i>	
Address <i>#916, 111 RICHMOND ST. WEST, TORONTO, M5H 2G4</i>	Telephone No. <i>(416) 364-3182</i>	
Work Performed By <i>METCALFE + ASSOCIATES LTD.</i>		
Name and Address of Author (of Submission) <i>R.W. METCALFE, 1131 FALGARWOOD DR, OAKVILLE, L6H1P1</i>		Date When Work was Performed From: <i>10 09 89</i> To: <i>05 10 89</i> Day   Mo.   Yr. Day   Mo.   Yr.

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side				Mining Claim <i>1064200</i>	No. of Days <i>60</i>	Mining Claim <i>1064201</i>	No. of Days <i>60</i>	Mining Claim <i>1064202</i>	No. of Days <i>60</i>	Mining Claim <i>1064203</i>	No. of Days <i>60</i>	
Mining Claim <i>1064204</i>	No. of Days <i>60</i>	Mining Claim <i>1064205</i>	No. of Days <i>60</i>	Mining Claim <i>1064206</i>	No. of Days <i>60</i>	Mining Claim <i>1064207</i>	No. of Days <i>60</i>	Mining Claim <i>1064208</i>	No. of Days <i>60</i>	Mining Claim <i>1064209</i>	No. of Days <i>60</i>	
Mining Claim <i>1064210</i>	No. of Days <i>60</i>	Mining Claim <i>1064211</i>	No. of Days <i>60</i>	Mining Claim <i>1064212</i>	No. of Days <i>60</i>	Mining Claim <i>1064215</i>	No. of Days <i>60</i>	Mining Claim <i>1064216</i>	No. of Days <i>60</i>	Mining Claim <i>1064220</i>	No. of Days <i>60</i>	
Instructions Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).				Calculation of Expenditure Days Credits Total Expenditures <i>\$ 21,229.50</i>				Total Days Credits <i>1415.3</i>		Total Number of Mining Claims Covered by this Report of Work <i>21</i>		

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
SSM	1064200	48	SSM	1064208	48	SSM	1064221	48			
SSM	1064201	48	SSM	1064209	48	SSM	1064222	48			
SSM	1064202	48	SSM	1064210	48	SSM	1064223	48			
SSM	1064203	48	SSM	1064211	48	SSM	1064224	48			
SSM	1064204	48	SSM	1064212	48	SSM	1064225	48			
SSM	1064205	48	SSM	1064215	48						
SSM	1064206	48	SSM	1064216	48						
SSM	1064207	48	SSM	1064220	48						

**RECORDED**  
MAR 27 1990  
Receipt No. \_\_\_\_\_

**RECEIVED**  
APR 04 1990

Total Number of Days Performed <i>1415.3</i>	Total Number of Days Claimed	Total Number of Days to be Claimed at a Future Date <i>407.3</i>
---	------------------------------	---

Certification of Beneficial Interest \*See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: *MAR 17/90* Recorded Holder or Agent (Signature): *R.W. Metcalfe*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying  
**METCALFE AND ASSOCIATES LTD.**  
1131 Falgarwood Drive  
Oakville, Ontario L6H 1P1

Telephone No. *(416) 845-0293* Date *MAR 19/90* Certified By (Signature) *R.W. Metcalfe*

For Office Use Only

Total Days Cr. Recorded <i>1008</i>	Date Recorded <i>March 27/90</i>	Mining Recorder <i>[Signature]</i>
	Date Approved as Recorded	Provincial Manager, Mining Lands

*See revised work statement*

**SAULT STE. MARIE MINING DIV.**  
**RECEIVED**  
MAR 27 1990  
A.M. 7:30 10:11:12:1 12:18:15:15  
P.M.

**Instructions**  
 - Please type or print.  
 - Refer to Subsection 77(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.  
 - Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

**Report of Work**  
**Mining Act (Expenditures, Subsection 77(19))**

Type of Work Performed	Mining Division	Township or Area
Recorded Holder		Prospector's Licence No.
Address		Telephone No.
Work Performed By		
Name and Address of Author (of Submission)		Date When Work was Performed From: _____ To: _____ Day   Mo.   Yr.   Day   Mo.   Yr.

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side				Mining Claim <b>1064221</b>	No. of Days <b>60</b>	Mining Claim <b>1064222</b>	No. of Days <b>60</b>	Mining Claim <b>1064223</b>	No. of Days <b>60</b>	Mining Claim <b>1064224</b>	No. of Days <b>60</b>
Mining Claim <b>1064225</b>	No. of Days <b>60</b>	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

<b>Instructions</b> Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).	<b>Calculation of Expenditure Days Credits</b> Total Expenditures \$ _____ ÷ <b>15</b> = _____	<b>Total Number of Mining Claims Covered by this Report of Work</b> _____
--	--	--

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim			Mining Claim			Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.

Total Number of Days Performed	Total Number of Days Claimed	Total Number of Days to be Claimed at a Future Date
--------------------------------	------------------------------	---

**Certification of Beneficial Interest \*See Note No. 2 on reverse side**

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature)
--	------	--------------------------------------

**Certification Verifying Report of Work**

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying			
	Telephone No.	Date	Certified By (Signature)

**For Office Use Only**

Total Days Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
	Date Approved as Recorded	Provincial Manager, Mining Lands	

July 28  
Aug 27

Ministry of Northern Development and Mines

DOCUMENT No. W9005-00203

Instructions

- Please type or print.
- Refer to Subsection 77(19), the Mining Act for assessment requirements and maximum credits allowed under this Subsection.
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Mining Act

Report of Work (Expenditures, Subsection 77(19))

see file 2.13045 see attached

Type of Work Performed Assay Expenditures - #W9005.076	Mining Division Sault Ste. Marie	Township or Area David Lake and Camp Lake (Wawa)
Recorded Holder Dominion Explorers Inc.	Prospector's Licence No. A 35056	
Address 916, 111 Richmond Street West, Toronto, Ontario, M5H 2G4		Telephone No. (416) 364-3182
Work Performed By Metcalf and Associates Ltd.		
Name and Address of Author (of Submission) R.W. Metcalfe, 1131 Falgarwood Drive, Oakville, Ontario L6H 1P1		Date When Work was Performed From: 10 Day, 09 Mo., 89 Yr. To: 05 Day, 10 Mo., 89 Yr.

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side				Mining Claim 1064200	No. of Days 29.3	Mining Claim 1064201	No. of Days 27.8	Mining Claim 1064202	No. of Days 27.8	Mining Claim 1064203	No. of Days 27.8
Mining Claim 1064204	No. of Days 27.8	Mining Claim 1064205	No. of Days 27.8	Mining Claim 1064206	No. of Days 27.8	Mining Claim 1064307	No. of Days 27.8	Mining Claim 1064208	No. of Days 27.8	Mining Claim 1064309	No. of Days 27.8
Mining Claim 1064210	No. of Days 27.8	Mining Claim 1064211	No. of Days 27.8	Mining Claim 1064212	No. of Days 27.8	Mining Claim 1064215	No. of Days 27.8	Mining Claim 1064216	No. of Days 27.8	Mining Claim 1064220	No. of Days 27.8
Instructions Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).				Calculation of Expenditure Days Credits Total Expenditures <b>DAYS BANKED</b> \$5,994 (W9005.076) ÷ 15 = 399.6				Total Number of Mining Claims Covered by this Report of Work 20			

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
SSM	1058800	20	SSM	1058808	20	SSM	1058826	19.6			
SSM	1058801	20	SSM	1058809	20	SSM	1058827	20			
SSM	1058802	20	SSM	1058810	20	SSM	1058828	20			
SSM	1058803	20	SSM	1058811	20	SSM	1058829	20			
SSM	1058804	20	SSM	1058812	20						
SSM	1058805	20	SSM	1058813	20						
SSM	1058806	20	SSM	1058814	20						
SSM	1058807	20	SSM	1058815	20						

MINING LANDS SECTION

Total Number of Days Performed 399.6	Total Number of Days Claimed 399.6	Total Number of Days to be Claimed at a Future Date -
---	---------------------------------------	--

Certification of Beneficial Interest \*See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: June 25/90  
Recorded Holder or Agent (Signature): [Signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying  
U. Abolins, Dominion Explorers Inc., Suite 916, 111 Richmond Street West,  
Toronto, Ontario M5H 2G4

Telephone No. (416) 364-3182  
Date June 25, 1990  
Certified By (Signature) [Signature]

For Office Use Only

Total Days Cr. Recorded 399.6	Date Recorded June 28/90	Mining Recorder C.A. Kempf
	Date Approved as Recorded See report of work W9005.076	Provincial Manager, Mining Lands

RECEIVED  
SAULT STE. MARIE  
JUN 28 1990  
A.M. 7:8 | 9:10 | 11:12 | 1:2 | 3:4 | 5:6 P.M.

Ministry of Northern Development and Mines

**Instructions**

- Please type or print.
- Refer to Subsection 77(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

**Report of Work**  
(Expenditures, Subsection 77(19))

Type of Work Performed Assay Expenditures - #W9005.076	Mining Division Sault Ste. Marie	Township or Area David Lake and Camp Lake
Recorded Holder Dominion Explorers Inc.	Prospector's Licence No. A 35056	
Address 916, 111 Richmond Street West, Toronto, Ontario, M5H 2G4	Telephone No. (416) 364-3182	
Work Performed By Metcalf and Associates Ltd.		
Name and Address of Author (of Submission) R.W. Metcalfe, 1131 Falgarwood Drive, Oakville, Ontario L6G 1P1	Date When Work was Performed From: 10 09 89 To: 05 10 89 Day Mo. Yr. Day Mo. Yr.	

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side				Mining Claim 1064221	No. of Days 27.8	Mining Claim 1064222	No. of Days 27.8	Mining Claim 1064223	No. of Days 27.8	Mining Claim 1064224	No. of Days 27.8
Mining Claim 1064225	No. of Days 27.8	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

<b>Instructions</b> Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).	<b>Calculation of Expenditure Days Credits</b>		Total Days Credits	Total Number of Mining Claims Covered by this Report of Work
	Total Expenditures \$	÷ 15 =		

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim			Mining Claim			Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.

Total Number of Days Performed	Total Number of Days Claimed	Total Number of Days to be Claimed at a Future Date
--------------------------------	------------------------------	---

Certification of Beneficial Interest \*See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature) <i>R.W. Metcalfe</i>
--	------	--

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying U. Abolins, Dominion Explorers Inc., Suite 916, 111 Richmond Street West,			
Toronto, Ontario, M5H 2G4	Telephone No. (416) 364-3182	Date June 25, 1990	Certified By (Signature) <i>R.W. Metcalfe</i>

<b>For Office Use Only</b>		Received Stamp
Total Days Cr. Recorded	Date Recorded	
	Date Approved as Recorded	Mining Recorder
		Provincial Manager, Mining Lands





LANDMARK CORPORATION

SUITE 916  
111 RICHMOND STREET WEST  
TORONTO, ONTARIO M5H 2G4  
TELEPHONE (416) 364-3182  
TELECOPIER (416) 364-5265

DOMINION EXPLORERS INC.  
NOBLE MINES & OILS LTD.

June 12, 1990

Mrs. Sheila Lessard  
Mining Recorder  
Ministry of Northern Development  
and Mines  
Box 669  
875 Queen Street East  
Sault Ste. Marie, Ontario  
P6A 2B3

Dear Mrs. Lessard

RE: ASSAYING EXPENDITURES, YOUR FILE W9005.076  
LANDS BRANCH TORONTO 2.13045

Due to a "reduced rate of assessment work credits" the credits to be allocated for the claims have changed. The Lands Branch has allowed 585.30 days credit. I would like to spread the days as follows:

Claims SSM 1064200 - 1064206 inclusive  
- 7 claims, 6.5 days each; = *45.5 days*

Claims SSM 1064207 - 1064209 inclusive  
- 3 claims, 16.5 days each; = *49.5 days*

Claims SSM 1064210 - 1064212 inclusive, 1064215,  
1064216, 1064220, 1064221 - 7 claims, 6.5 days each;  
= *45.5 days*

Claims SSM 1064222 - 1064225 inclusive  
- 4 claims, 11.3 days each; = *45.2 days*

\* Claims SSM 1058800 - 1058815 inclusive  
- 16 claims, 20 days each; = *320 days*

\* Claim SSM 1058826 - 19.6 days; and  
= *19.6 days*

\* Claims SSM 1058827 - 1058829 inclusive  
- 3 claims, 20 days each. = *60 days*

*585.3 days perform.  
= 185.7 days applied  
399.6 days banked.*

DOCUMENT No.  
W9005.076

DOCUMENT No.  
W9005.00203

*= 399.6 days*

Yours very truly

DOMINION EXPLORERS INC.

U. Abolins  
Vice-President, Exploration

SAULT STE. MARIE  
MINING DIV.  
**RECEIVED**  
JUN 18 1990  
A.M.  
7 8 9 10 11 12 1 2 3 4 5 6  
P.M.

UA:nj



Ontario

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

May 22, 1990

Mining Lands Section  
3rd Floor, 880 Bay Street  
Toronto, Ontario  
M5S 1Z8

Tel: (416) 965-4888

Your File: W9005.017/018/019  
Our File: 2.13045

Mining Recorder  
Ministry of Northern Development & Mines  
875 Queen Street East  
P. O. Box 669  
Sault Ste. Marie, Ontario  
P6A 2B3

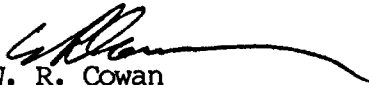
Dear Sir/Madam:

Re: Notice of Intent dated April 20, 1990 for Geological and Geochemical Surveys  
Submitted on Mining Claims SSM 1064200 et al in the David Lakes and Camp Lake  
Areas.

The assessment work credits, as listed with the above-mentioned Notice of Intent  
have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your  
records.

Yours sincerely,

  
W. R. Cowan  
Provincial Manager, Mining Lands  
Mines & Minerals Division

ALS  
LS:zm  
Encl:

cc: Mr. G. H. Ferguson  
Mining & Lands Commissioner  
Toronto, Ontario

Resident Geologist  
Wawa, Ontario

Dominion Explorers Inc.  
Toronto, Ontario

Metcalf & Associates Ltd.  
Oakville, Ontario

Date	File
April 20, 1990	2.13045
Mining Recorder's Report of Work No. W9005.017	

Recorded Holder
Dominion Explorers Inc.
Township or Area
Camp Lake

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days  Section 77 (19) See "Mining Claims Assessed" column Geological <u>33.5</u> days Geochemical <u>20</u> days  <input checked="" type="checkbox"/> Man days <input type="checkbox"/> Airborne <input checked="" type="checkbox"/> Social provision <input checked="" type="checkbox"/> Ground  <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	SSM 1064200 to 204 incl. 1064215 - 16

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 60; Geological - 40; Geochemical - 40; Section 77(19) - 60.



File  
2.13045

Date  
April 20, 1990

Mining Recorder's Report of  
Work No.  
W9005.018

Recorded Holder  
**Dominion Explorers Inc.**

Township or Area  
**David Lakes**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical <u>20</u> days Sea days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	SSM 1064205 - 06  1064210 to 212 incl.  1064220 - 21

Special credits under section 77 (16) for the following mining claims

10 days credit for geochemical SSM 1064207 to 209 incl.

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 60; Geological - 40; Geochemical - 40; Section 77(19) - 60.



File  
2.13045

Date  
April 20, 1990

Mining Recorder's Report or  
Work No.  
W9005.018

Recorded Holder

Dominion Explorers Inc.

Township or Area

David Lakes

Type of survey and number of  
Assessment days credit per claim

Mining Claims Assessed

Geophysical

Electromagnetic \_\_\_\_\_ days

Magnetometer \_\_\_\_\_ days

Radiometric \_\_\_\_\_ days

Induced polarization \_\_\_\_\_ days

Other \_\_\_\_\_ days

Section 77 (19) See "Mining Claims Assessed" column

Geological 33.5 days

Geochemical \_\_\_\_\_ days

1.25 days

Airborne

Special provision

Ground

Credits have been reduced because of partial  
coverage of claims.

Credits have been reduced because of corrections  
to work dates and figures of applicant.

SSM 1064205 to 212 incl.

1064220 - 21

Special credits under section 77 (16) for the following mining claims

[Empty box for special credits]

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

[Empty box for no credits]

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



File 2.13045

Date April 20, 1990

Mining Recorder's Report of Work No. W9005.019

Recorded Holder **Dominion Explorers Inc.**

Township or Area **David Lakes**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological <u>33.5</u> days Geochemical <u>15.2</u> days Man days <input checked="" type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<b>SSM 1064222 to 225 incl.</b>

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 60; Geological - 40; Geochemical - 40; Section 77(19) - 60.

DOCUMENT No.  
W9005-017

Instructions

- Please type or print.
- Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch:

(A)

**Report of Work**  
**Mining Act** (Geophysical, Geological and Geochemical Surveys)

Type of Survey(s) <b>GEOLOGICAL / GEOCHEMICAL</b>	Mining Division <b>SSM</b>	Township or Area <b>KAMIS LAKES (MUNICIPALITY)</b>
Recorded Holder(s) <b>DOMINION EXPLORERS INC. 2.13045</b>	Prospector's Licence No. <b>A 35056</b>	
Address <b># 916, 111 RICHMOND ST. WEST, TORONTO, M5H 2G4 (416) 361-3182</b>		Telephone No.
Survey Company <b>METCALFE &amp; ASSOCIATES LTD.</b>		
Name and Address of Author (of Geo-Technical Report) <b>R.W. METCALFE, 1131 FALGARWOOD DR., OAKVILLE, L6H 1P1</b>		Date of Survey (from & to) <b>10 09 89 05 10 89</b> Day   Mo.   Yr.   Day   Mo.   Yr.

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey:  Enter 40 days. (This includes line cutting)	- Electromagnetic - Magnetometer	
For each additional survey: using the same grid:  Enter 20 days (for each)	- Other	
	Geological	20
	Geochemical <b>w(r/c)</b>	40
Man Days  Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	
Airborne Credits  Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Other	
Total miles flown over claim(s).		
Date	Recorded Holder or Agent (Signature)	

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
SSM	1064200				
SSM	1064201				
SSM	1064202				
SSM	1064203				
SSM	1064204				
SSM	1064215				
SSM	1064216				

**RECEIVED**  
JAN 26 1990  
MINING LANDS SECTION  
**RECORDED**  
JAN 24 1990  
Receipt No. \_\_\_\_\_

Total number of mining claims covered by this report of work.

7

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying

**METCALFE AND ASSOCIATES LTD.**  
1131 Falgarwood Drive  
Oakville, Ontario L6H 1P1

Telephone No. (416) 845-0293

Date Jan 23 / 90

Certified By (Signature) *R.W. Metcalfe*

For Office Use Only

Total Days Cr. Recorded <b>420</b>	Date Recorded <b>Jan. 24/90</b>	Mining Recorder <i>[Signature]</i>
Date Approved as Recorded <b>See revised work statement</b>		Provincial Manager, Mining Lands

**RECEIVED**  
JAN 24 1990  
A.M. 7:8 | 9:10 | 11:12 | 1:2 | 3:4 | 5:6 P.M.

DOCUMENT No. W9005-018

- Instructions: Please type or print. Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type. If number of mining claims traversed exceeds space on this form, attach a list. Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Report of Work Mining Act (Geophysical, Geological and Geochemical Surveys)

Form header containing: Type of Survey(s) GEOLOGICAL / GEOCHEMICAL, Mining Division SSM, Township or Area DAVID LAKES (Wawa), Recorded Holder(s) DOMINION EXPLORERS INC., 2-13045, Prospector's Licence No. 43506, Address #916, 111 RICHMOND ST. WEST, TORONTO, M5H 2G4, Telephone No. (416) 364-3182, Survey Company METCALFE & ASSOC. LTD., Name and Address of Author R.W. METCALFE, 1131 FALGARWOOD DR., OAKVILLE, ONT., L6H 1P1, Date of Survey (from & to) 10 09 89 to 05 10 89.

Table with 3 columns: Special Provisions, Geophysical/Geological/Geochemical, Days per Claim. Includes sections for 'For first survey', 'For each additional survey', 'Man Days', and 'Airborne Credits'.

Table with 6 columns: Mining Claim Prefix, Mining Claim Number, Mining Claim Prefix, Mining Claim Number, Mining Claim Prefix, Mining Claim Number. Lists claims 1064205 through 1064221. Includes a 'RECORDED' stamp dated JAN 24 1990 and a 'Total number of mining claims covered by this report of work' box containing the number 10.

Certification Verifying Report of Work. I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true. Name and Address of Person Certifying: METCALFE AND ASSOCIATES LTD., 1131 Falgarwood Drive, Oakville, Ontario L6H 1P1. Telephone No. (416) 845-0293. Date: Jan 23/90. Certified By (Signature): [Signature]

For Office Use Only. Total Days Cr. Recorded: 600. Date Recorded: Jan. 24/90. Mining Recorder: [Signature]. Date Approved as Recorded: See revised work statement. Provincial Manager, Mining Lands: [Signature]

RECEIVED stamp from FAULT ST. MARKS MINING DIV. dated JAN 24 1990. Includes a time slot grid for A.M. (7-11) and P.M. (1-5) with the number 510.



DOCUMENT No. W9005. 019.

- Instructions
- Please type or print.
  - Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.
  - If number of mining claims traversed exceeds space on this form, attach a list.
  - Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch:

Report of Work (Geophysical, Geological and Geochemical Surveys) Mining Act

Type of Survey(s) <i>GEOLOGICAL / GEOCHEMICAL</i>	Mining Division <i>SSM</i>	Township or Area <i>DAVID LAKES (Wawa)</i>
Recorded Holder(s) <i>DOMINION EXPLORERS INC.</i>	<i>2. 13045</i>	Prospector's Licence No. <i>A 35056</i>
Address <i># 916, 111 RICHMOND ST. WEST, TORONTO, M5H 2G4</i>		Telephone No. <i>(416) 364-3182</i>
Survey Company <i>METCALFE &amp; ASSOC.</i>		
Name and Address of Author (of Geo-Technical Report) <i>R.W. METCALFE, 1131 FALGARWOOD DR., OAKVILLE, ONT., L6H 1P1</i>		Date of Survey (from & to) <i>10 09 89 05 10 89</i>

Credits Requested per Each Claim in Columns at right			Mining Claims Traversed (List in numerical sequence)					
Special Provisions	Geophysical	Days per Claim	Mining Claim		Mining Claim		Mining Claim	
			Prefix	Number	Prefix	Number	Prefix	Number
For first survey:  Enter 40 days. (This includes line cutting)  For each additional survey: using the same grid:  Enter 20 days (for each)	- Electromagnetic	20	SSM	1064222				
	- Magnetometer		SSM	1064223				
	- Other		SSM	1064224				
			SSM	1064225				
Man Days  Complete reverse side and enter total(s) here	Geological	40						
	Geochemical <i>w/l/c</i>							
	Geophysical							
	- Electromagnetic							
Airborne Credits  Note: Special provisions credits do not apply to Airborne Surveys.	- Magnetometer							
	- Other							
	Geological							
Total miles flown over claim(s).			RECEIVED JAN 24 1990 Receipt No. _____			Total number of mining claims covered by this report of work.		1
Date	Recorded Holder or Agent (Signature)							

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying  
**METCALFE AND ASSOCIATES LTD.**  
 1131 Falgarwood Drive  
 Oakville, Ontario L6H 1P1

Telephone No. (416) 845-0293 Date Jan 23 / 90

Certified By (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded <b>240</b>	Date Recorded <i>Jan. 24/90</i>	Mining Records <i>[Signature]</i>
Date Approved as Recorded		Provincial Manager, Mining Lands <b>See revised work statement</b>

RECEIVED  
 MOUNT ST. MARI'S MINING DIV.  
 JAN 24 1990  
 A.M. 7:18:10 11:12:12 1:12:14 5:0



LANDMARK CORPORATION

SUITE 916  
111 RICHMOND STREET WEST  
TORONTO, ONTARIO M5H 2G4  
TELEPHONE (416) 364-3182  
TELECOPIER (416) 364-5265

DOMINION EXPLORERS INC.  
NOBLE MINES & OILS LTD.

May 14, 1990

Mr. L. Stoliker  
Mining Lands Section  
Ministry of Northern Development  
and Mines  
3rd Floor  
880 Bay Street  
Toronto, Ontario  
M5S 1Z8

RECEIVED

MAY 17 1990

Dear Mr. Stoliker

MINING LANDS SECTION

RE: DOCUMENT NO. W9005.076  
OR YOUR NUMBER 2.13045

This letter is to confirm that Dominion Explorers Inc. has been invoiced and has paid the Geological/Geochemical Expenditures of \$21,229.50. The costs are broken down to \$8,779.50 to Wawa Assaying Inc. and the remainder to Metcalfe and Associates.

Yours very truly

DOMINION EXPLORERS INC.

U. Abolins  
Vice-President, Exploration

UA:nj

1131 Falgarwood Drive  
Oakville, Ontario, Canada  
L6H 1P1

Tel: (416) 845-0293  
Fax: (416) 845-9662

RECEIVED

APR 17 1990

MINING LANDS SECTION

*Apr 5/90*

*Harry*

*Please accept these statements  
as per your suggestion for*

*Donne properties*

*file # 2.13045*

*Thanks*

*RW Metcalf*



1. Type of Survey ..... GEOLOGY W. LINE CUTTING / FLAGGING
2. Township or Area ..... DAVID LAKE
3. Numbers of Mining Claims Traversed by Survey .....  
..... 21 claims as 3 SEPARATE BLOCKS
- .....
- .....
- .....
4. Number of <sup>Km</sup> Miles of Line Cut ..... 4.024 ..... Flown .....
- \*5. Number of Stations Established ..... 1055 (w/ Flagged X-lines)
- \*6. Make and type of Instrument Used .....
- \*7. Scale Constant or Sensitivity .....
- \*8. Frequency Used and Power Output .....

9. Summary of Assessment Credits (details on reverse side)
- Total 8 hour Technical Days (Include Consultants, Draughting etc.) ..... 97.5
- Total 8 hour Line-Cutting Days ..... 22 (w. flagging)

Calculation

$$\frac{97.5}{\text{Technical}} \times 7 = \frac{682.5}{\text{Line-cutting}} + \frac{22}{\text{Line-cutting}} = \frac{704.5}{\text{Line-cutting}} \div \frac{21}{\text{Number of claims}} = \frac{33.5}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims  Check  
If otherwise, please explain .....

Dated: Apr 5/90

Signed: [Signature]

- Note: (A) \* Complete only if applicable.  
(B) Complete list of names, addresses and dates on reverse side.  
(C) Submit separate breakdown for each type of survey.  
(D) Submit in duplicate.

## Details of Assessment Work Breakdown

### FIELD WORK

<u>Type of Work</u>	<u>Name &amp; Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
GEOLOGICAL MAPPING	A. AVLONITIS	SEPT 10 - OCT 5	26
	1008 - 41 SPIERS RD, DARVILLE, ONT		
GEOLOGICAL MAPPING	J. MARLETTE	SEPT 10 - OCT 5	26
	165 B AVE PERRAULT, VAN DOR, P.Q., J9P 2H1		

### CONSULTANTS

<u>Name &amp; Address</u>	<u>Dates Worked (specify in field or office)</u>	<u>Number of 8 hour days</u>
R.W. METCALFE	SEPT 21 - 24 / 89 FIELD	4
1131 FENGLARWOOD DR DARVILLE, ONT L6H 1P1	AUG 189 - JAN 90 (2 (2.5 HR) OFFICE)	26.5

### DRAUGHTSMAN, TYPING, OTHERS (specify) ✓

<u>Name &amp; Address</u>	<u>Type of Work</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
G. VANDEVALLE	DRAFTING	JAN/90 41.5 HR	5
A. AVLONITIS	"	NOV/89 - JAN/90 78.5 HR	10

TOTAL 8 HOUR TECHNICAL DAYS 97.5

### LINE-CUTTING ✓

<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
R. VOISINE	407B HOGUE ST	SEPT 12 - 21	10
	WHITEHORSE, Yukon Y1A 3S9		
W. BROWN	RR #2	SEPT 24 - OCT 5	12
	HADDLOCK, ONT K0L 1E0		

TOTAL 8 HOUR LINE-CUTTING DAYS 22

REFERENCES

- AREAS WITHDRAWN FROM DISPOSITION  
M.R.O. - MINING RIGHTS ONLY  
S.R.O. - SURFACE RIGHTS ONLY  
M.F.S. - MINING AND SURFACE RIGHTS
- | Description | Owner No. | Date | Disposition | File |
|-------------|-----------|------|-------------|------|
|             |           |      |             |      |

**DATE OF ISSUE**  
JUL 14 1988

**SAULT STE. MARIE  
MINING RECORDERS OFFICE**  
AUG 14 1987  
SAULT STE. MARIE  
MINING RECORDERS OFFICE

**LEGEND**

SIGN	DESCRIPTION
[Symbol]	HIGHWAY AND ROUTING
[Symbol]	OTHER ROADS
[Symbol]	TRAILS
[Symbol]	SURVEYED LINES
[Symbol]	TOWNSHIP, RANGE LINES, ETC.
[Symbol]	LOTS, MINING CLAIMS, PARCELS, ETC.
[Symbol]	UNSURVEYED LINES
[Symbol]	LOT LINES
[Symbol]	PARCEL BOUNDARY
[Symbol]	MINING CLAIMS, ETC.
[Symbol]	RAILWAY AND RIGHT OF WAY
[Symbol]	UTILITY LINES
[Symbol]	NON PERENNIAL STREAM
[Symbol]	FLOODING OR FLOODING RIGHTS
[Symbol]	SUBDIVISION OR COMPOSITE PLAN
[Symbol]	RECEIPTS
[Symbol]	ORIGINAL SHORELINE
[Symbol]	MARSH OR MUSKES
[Symbol]	MINES
[Symbol]	TRAVERSE MONUMENT

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT - SURFACE & MINING RIGHTS	(Symbol)
- SURFACE RIGHTS ONLY	(Symbol)
- MINING RIGHTS ONLY	(Symbol)
LEASE - SURFACE & MINING RIGHTS	(Symbol)
- SURFACE RIGHTS ONLY	(Symbol)
- MINING RIGHTS ONLY	(Symbol)
LICENSE OF OCCUPATION	(Symbol)
ORDER IN COUNCIL	(Symbol)
RESERVATION	(Symbol)
CANCELLED	(Symbol)
SAND & GRAVEL	(Symbol)

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 4, 1979 AND SURFACE RIGHTS IN PARCELS PATENTED PRIOR TO THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 96, SEC. 81, BURNING

SCALE: 1 INCH = 40 CHAINS

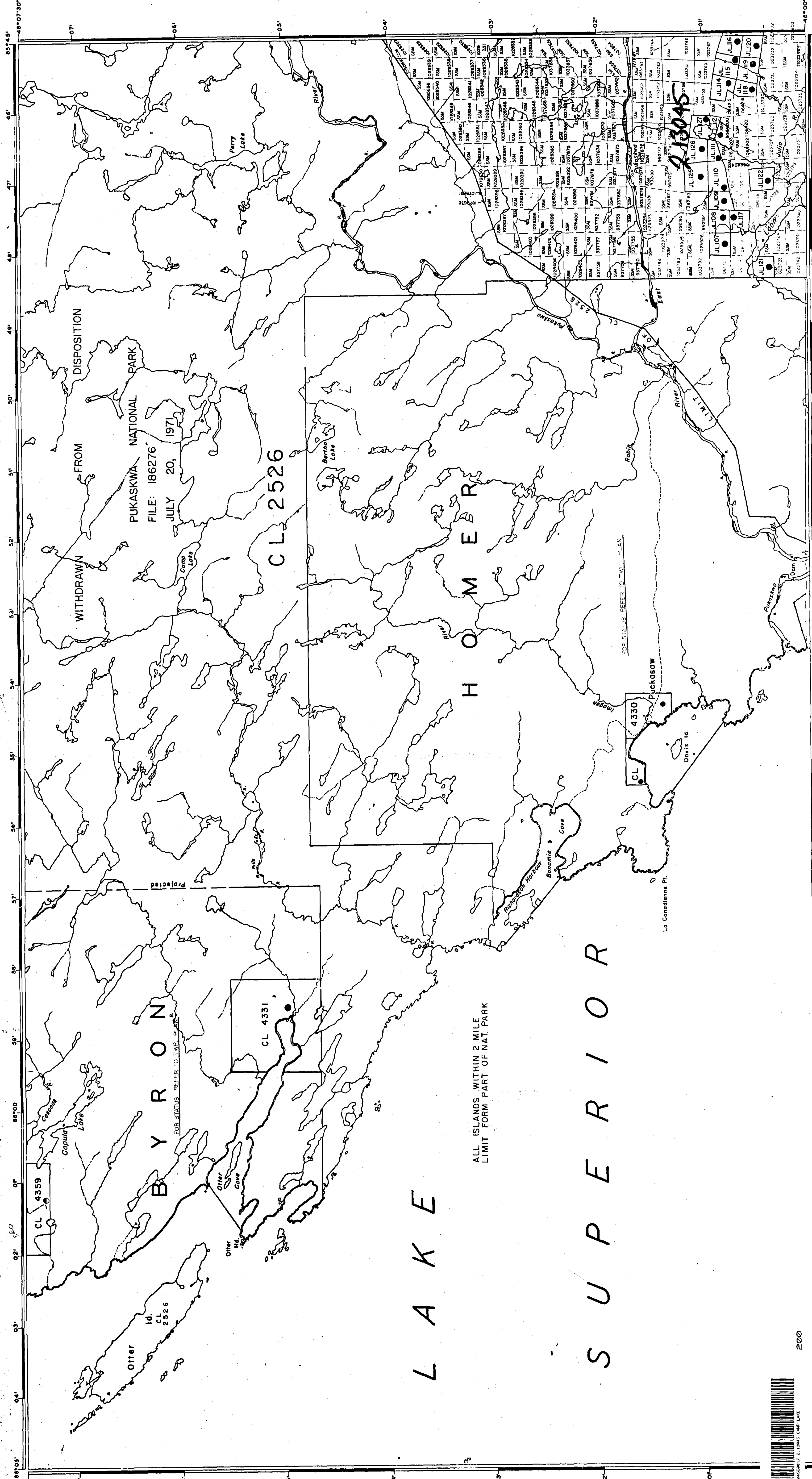
0 1000 2000 4000 6000 8000 METRES (1:40,000)

**AREA**  
**CAMP LAKE**  
M.R. ADMINISTRATIVE DISTRICT  
**WAWA**  
MINING DIVISION  
**SAULT STE. MARIE**  
LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**

Ministry of Natural Resources  
Ontario

Ministry of Northern Development and Mines

Date: FEBRUARY 19 1987  
Sheet: **G-3764**





AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY  
 S.R.O. - SURFACE RIGHTS ONLY  
 M+S - MINING AND SURFACE RIGHTS

Description Order No. Date Disposition File

W SSM 6/9 NER JULY 21/99 MINING AND SURFACE RIGHTS  
 O SSM 6/9 NER AUGUST 6/99 MINING AND SURFACE RIGHTS

LEGEND

HIGHWAY AND ROUTE "X"  
 OTHER ROAD  
 TRAILS  
 SURVEY LINES  
 TOWNSHIP BASE LINES ETC.  
 LINES MANICULATED PARCELS ETC.  
 UNSETTLED LINES  
 FENCE - 80' HIGH  
 MANICULATED PARCELS ETC.  
 UTILITY LINES  
 RAILWAY AND RIGHT OF WAY  
 NON PERMANENT STREAM  
 FLOODING OR FLOODING RIGHTS  
 SUBDIVISION OF COMPOSITE PLAN  
 RESERVATIONS  
 ORIGINAL SURVEY LINE  
 MANICULATED PARCELS  
 MINES  
 TRAILER W/ MOUNT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT

PATENT SURFACE & MINING RIGHTS  
 SURFACE RIGHTS ONLY  
 MINING RIGHTS ONLY  
 LEASE SURFACE & MINING RIGHTS  
 SURFACE RIGHTS ONLY  
 MINING RIGHTS ONLY  
 LICENSE OF OCCUPATION  
 ORDER IN COUNCIL  
 RESERVATION  
 CANCELLED  
 SAND & GRAVEL  
 NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1946  
 WERE TESTED IN ORIGINAL PATENT BY THE PUBLIC  
 LANDS ACT R.S.O. 1960, CAP. 380, SEC. 63, SUBSECTION 1

SCALE 1 INCH = 40 CHAINS

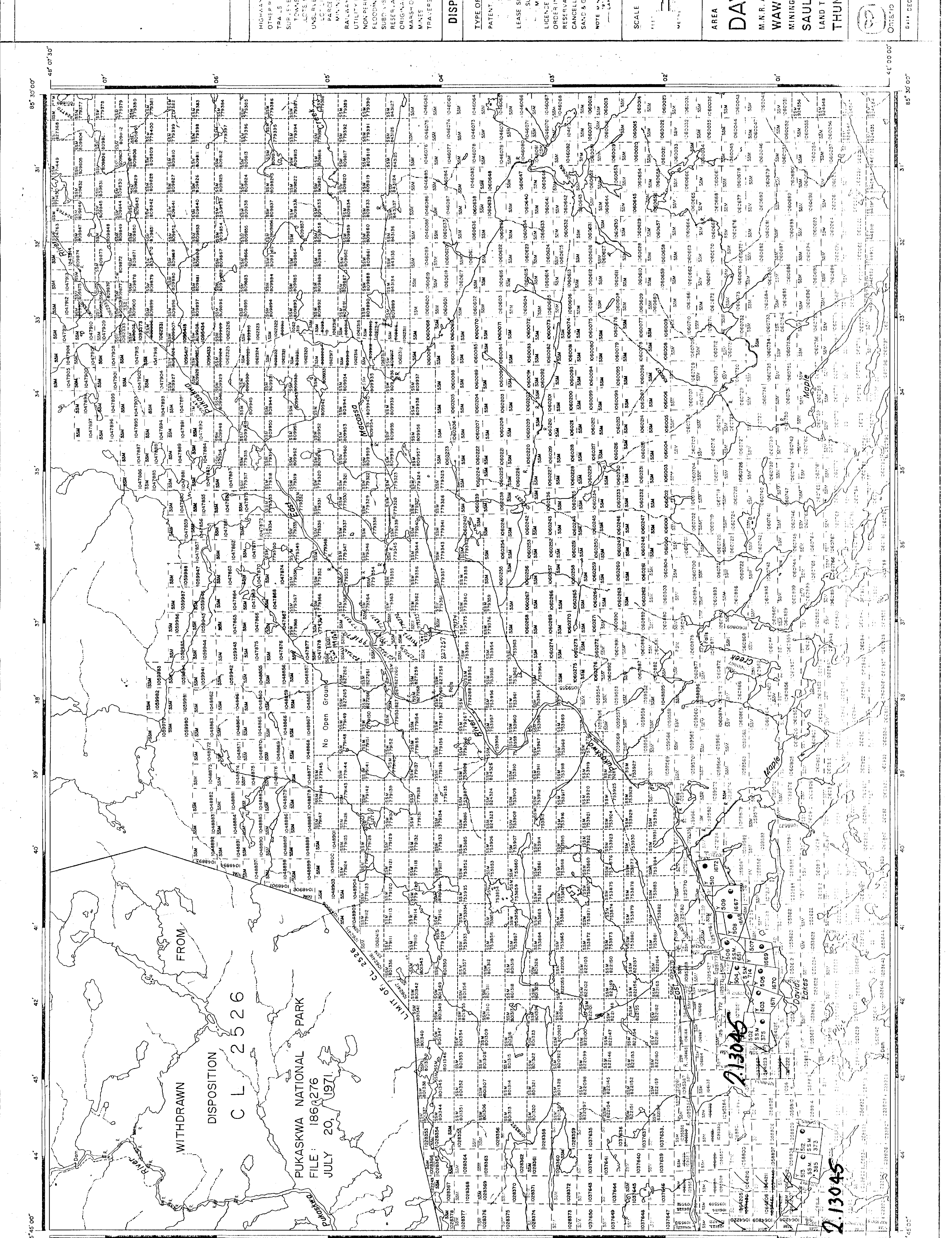
DAVID LAKE

M.R. ADMINISTRATIVE DISTRICT  
 WAWA  
 MINING DIVISION  
 SAULT STE. MARIE  
 LAND TITLES / REGISTRY DIVISION  
 THUNDER BAY

Ministry of Northern Development  
 Northern Development  
 625 Lakeshore Blvd. East  
 Thunder Bay, Ontario  
 Canada  
 P7B 5K6

DATE: DECEMBER, 1986

NUMBER: 2-13045



LEGEND

HIGHWAY AND ROUTE "X"  
 OTHER ROAD  
 TRAILS  
 SURVEY LINES  
 TOWNSHIP BASE LINES ETC.  
 LINES MANICULATED PARCELS ETC.  
 UNSETTLED LINES  
 FENCE - 80' HIGH  
 MANICULATED PARCELS ETC.  
 UTILITY LINES  
 RAILWAY AND RIGHT OF WAY  
 NON PERMANENT STREAM  
 FLOODING OR FLOODING RIGHTS  
 SUBDIVISION OF COMPOSITE PLAN  
 RESERVATIONS  
 ORIGINAL SURVEY LINE  
 MANICULATED PARCELS  
 MINES  
 TRAILER W/ MOUNT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT

PATENT SURFACE & MINING RIGHTS  
 SURFACE RIGHTS ONLY  
 MINING RIGHTS ONLY  
 LEASE SURFACE & MINING RIGHTS  
 SURFACE RIGHTS ONLY  
 MINING RIGHTS ONLY  
 LICENSE OF OCCUPATION  
 ORDER IN COUNCIL  
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 WERE TESTED IN ORIGINAL PATENT BY THE PUBLIC  
 LANDS ACT R.S.O. 1960, CAP. 380, SEC. 63, SUBSECTION 1

SCALE 1 INCH = 40 CHAINS

DAVID LAKE

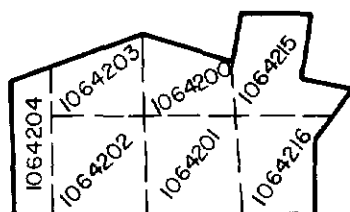
M.R. ADMINISTRATIVE DISTRICT  
 WAWA  
 MINING DIVISION  
 SAULT STE. MARIE  
 LAND TITLES / REGISTRY DIVISION  
 THUNDER BAY

Ministry of Northern Development  
 Northern Development  
 625 Lakeshore Blvd. East  
 Thunder Bay, Ontario  
 Canada  
 P7B 5K6

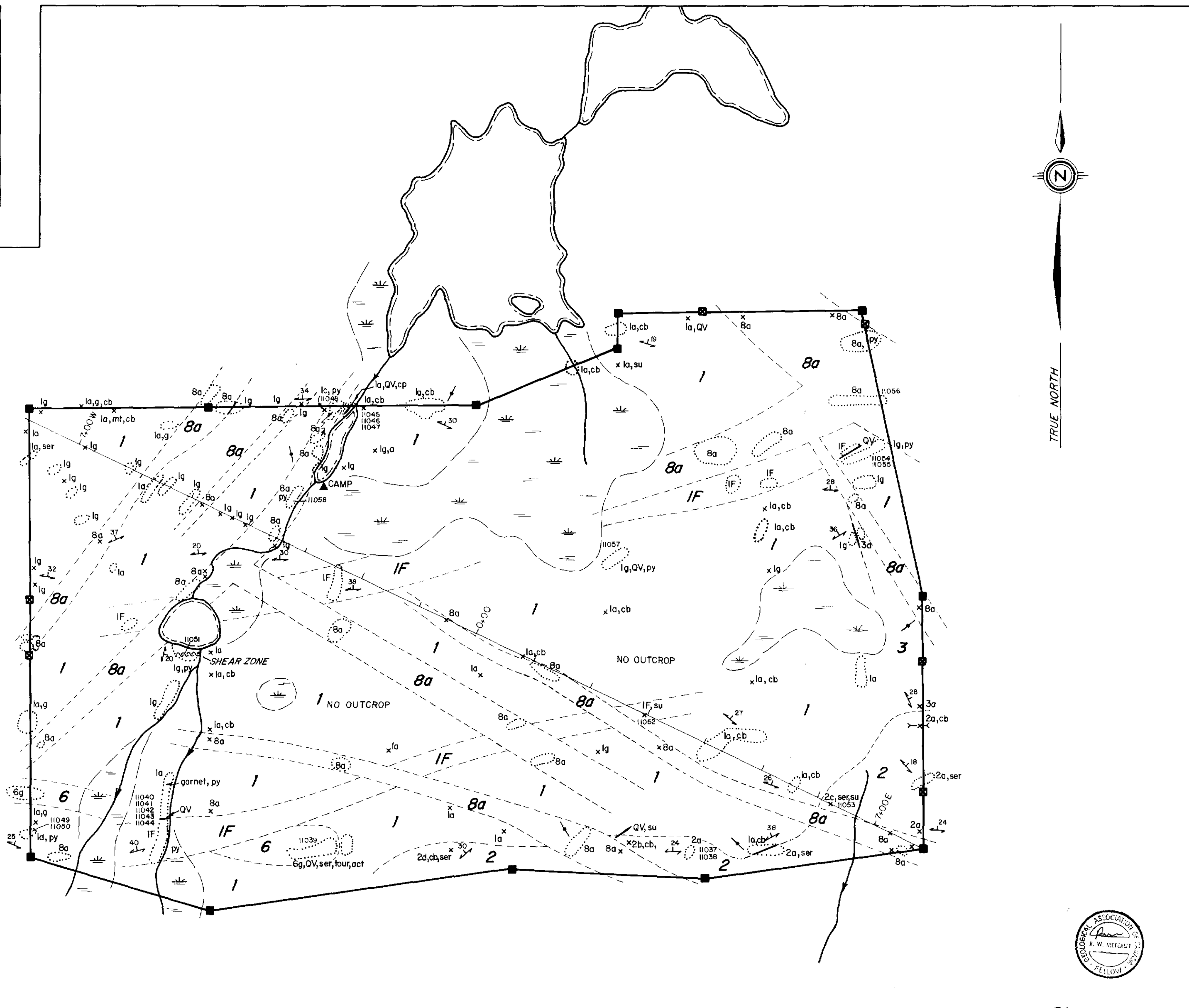
DATE: DECEMBER, 1986

NUMBER: 2-13045

**CLAIM SKETCH  
GROUP A**



SCALE - 1:31,680  
1000m



42C045E0017 2.13045 CAMP LAKE

220

2.13045

**INTRUSIVE ROCKS**

- 8 unsubdivided
- 8a diabase
- 8b gabbro

**GRANITE BATHOLITHS**

- 6 unsubdivided
- 6g aplite, pegmatite

**METASEDIMENTS**

- 3 fine-grained metasediments, unsubdivided
- 3a greywacke, sandstone arkose

**METAVOLCANICS**

**Felsic to Intermediate Metavolcanics**

- 2 unsubdivided
- 2a dacite to rhyolite flows
- 2c felsic tuff, felsic agglomerate
- 2d porphyritic dacite

**IF Iron Formation (oxide facies)**

**Mafic to Intermediate Metavolcanics**

- 1 unsubdivided
- 1a massive to foliated andesite to basalt
- 1b pillowed andesite to basalt
- 1c amphibolite
- 1d metagabbro, metadiorite (early mafic intrusive rocks)
- 1g porphyritic basalt
- 1h chlorite-biotite schist

- QV quartz vein
- cb carbonate
- ser sericite
- gnt garnet
- mt magnetite
- tour tourmaline
- act actinolite
- py pyrite
- cp chalcocopyrite
- su sulphides
- sil silicified
- ma malachite

- foliation
- bedding, top unknown (inclined)
- pillow flow; top
- joints (inclined, vertical)
- small bedrock outcrop
- area of bedrock outcrop
- contact; observed, inferred
- glacial striae
- claim post; located, assumed, other claims
- trench
- swamp

**DOMINION EXPLORERS INC.  
CENTRAL CRUDE LIMITED**

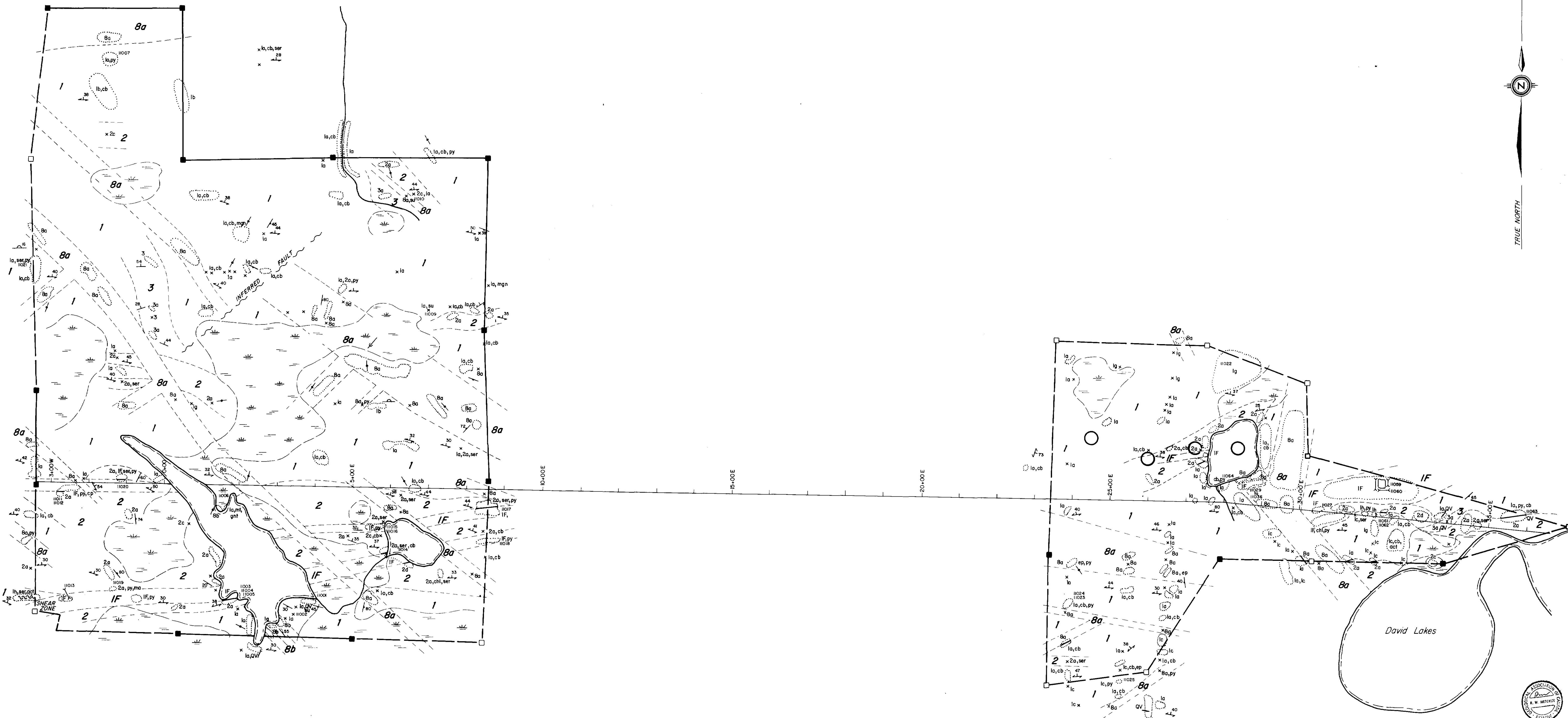
**David Lakes Property  
Mishibishu Lake Area, Ontario**

**Group A  
GEOLOGY**

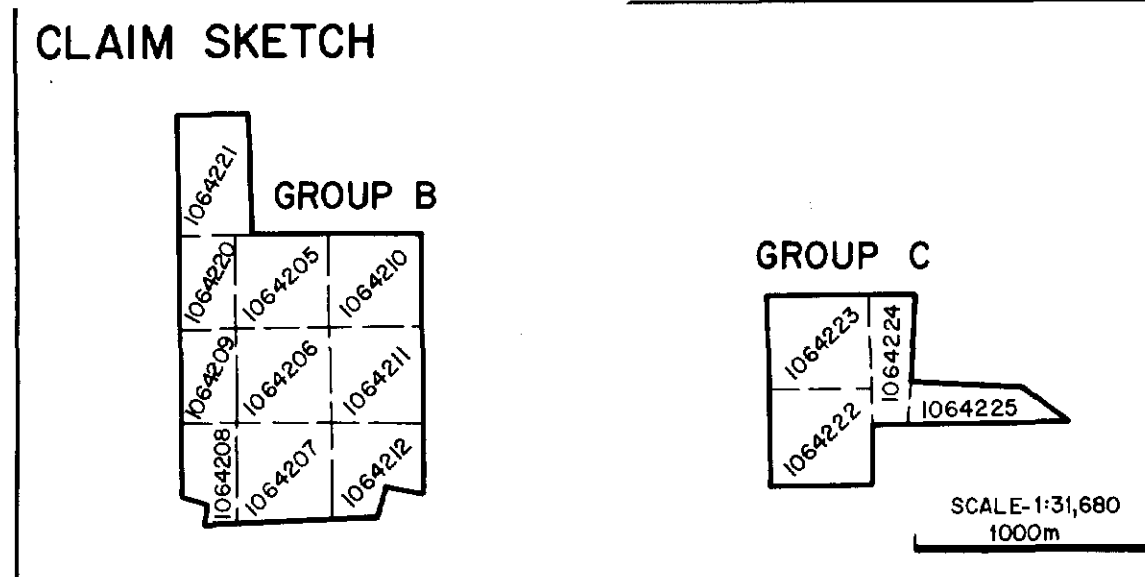
0m 100m 500m  
SCALE-1:5000

**AUTHOR:** A. Avlonitis **DATE:** January 1990 **FIGURE No.:** 2





230



- INTRUSIVE ROCKS**
- 8 unsubdivided diabase
  - 8a diabase
  - 8b gabbro
- GRANITE BATHOLITHS**
- 6 unsubdivided aplite, pegmatite
  - 6g
- METASEDIMENTS**
- 3 fine-grained metasediments
  - 3a greywacke, sandstone arkose
- METAVOLCANICS**
- Felsic to Intermediate Metavolcanics**
- 2 unsubdivided dacite to rhyolite flows
  - 2a felsic tuff, felsic agglomerate
  - 2c porphyritic dacite
  - 2d

- IF Iron Formation (oxide facies)**
- Mafic to Intermediate Metavolcanics**
- 1 unsubdivided massive to foliated andesite to basalt
  - 1a pillowed andesite to basalt
  - 1b amphibolite
  - 1c metagabbro, metadiorite (early mafic intrusive rocks)
  - 1d
  - 1h chlorite-biotite schist
- QV quartz vein
  - cb carbonate
  - ser sericite
  - gnt garnet
  - mt magnetite
  - tour tourmaline
  - act actinolite
  - py pyrite
  - cp chalcopyrite
  - su sulphides
  - sll silicified

- foliation
- bedding, top unknown (inclined)
- pillow flow, top
- joints (inclined, vertical)
- small bedrock outcrop
- area of bedrock outcrop
- contact; observed, inferred
- glacial striae
- claim post; located, assumed, other claims
- trench
- swamp
- Airborne EM Anomaly (Aerodot, 1988) 0-1 mhos

2.13045

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**David Lakes Property**  
Mishibishu Lake Area, Ontario

**Groups B and C**  
**GEOLOGY**

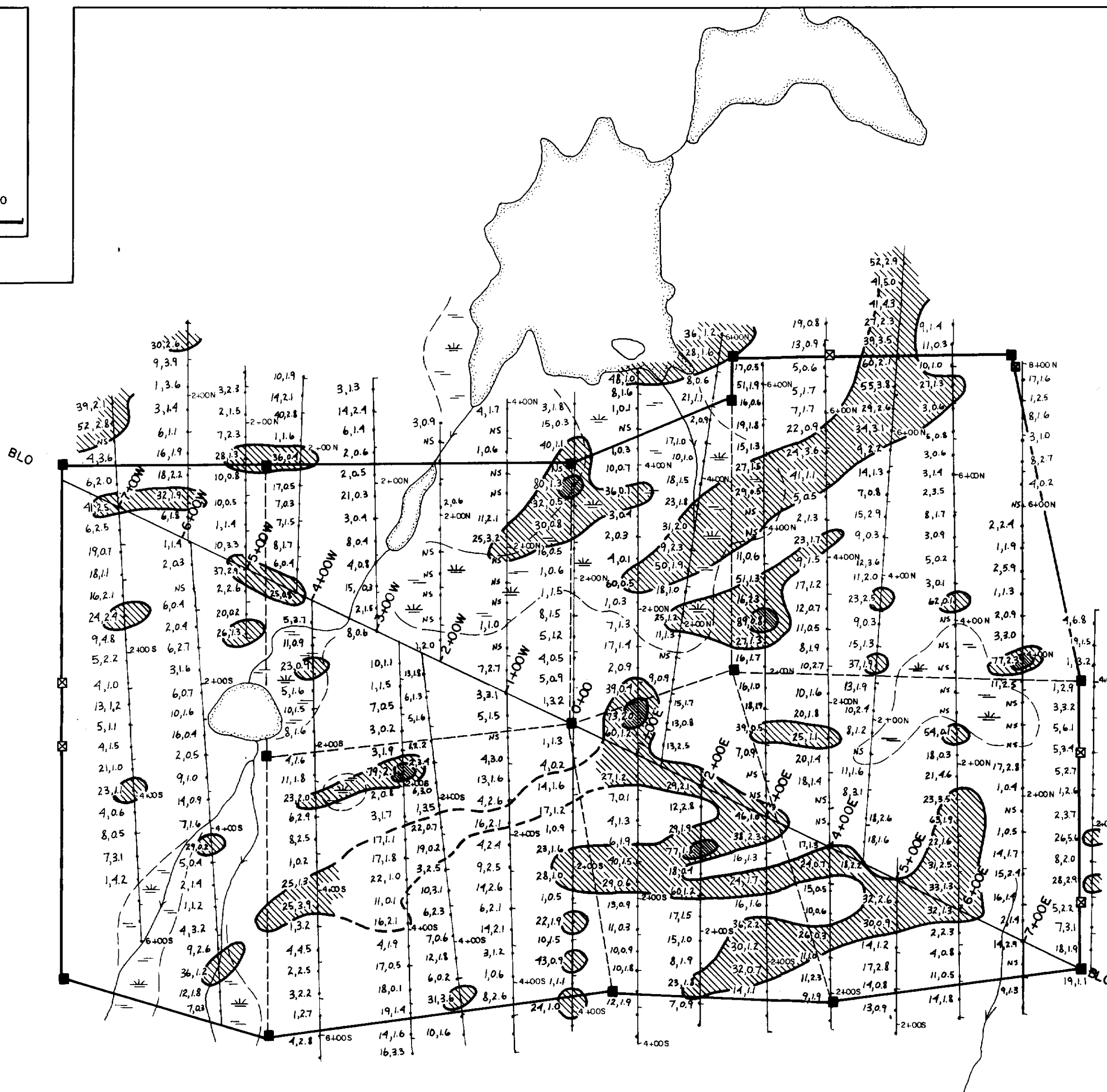
0m 100m 500m  
SCALE-1:5000

AUTHOR: A. Avlonitis DATE: January 1990 FIGURE No.: 3

**CLAIM SKETCH  
GROUP A**



SCALE - 1:31,680  
1000 m



2.13045

survey grid line  
Au ppb, As ppm | sample location

Contour Intervals - GOLD

- - 22 ppb
- ▨ - 23-70 ppb (possible)
- ▩ - > 70 ppb (probable)

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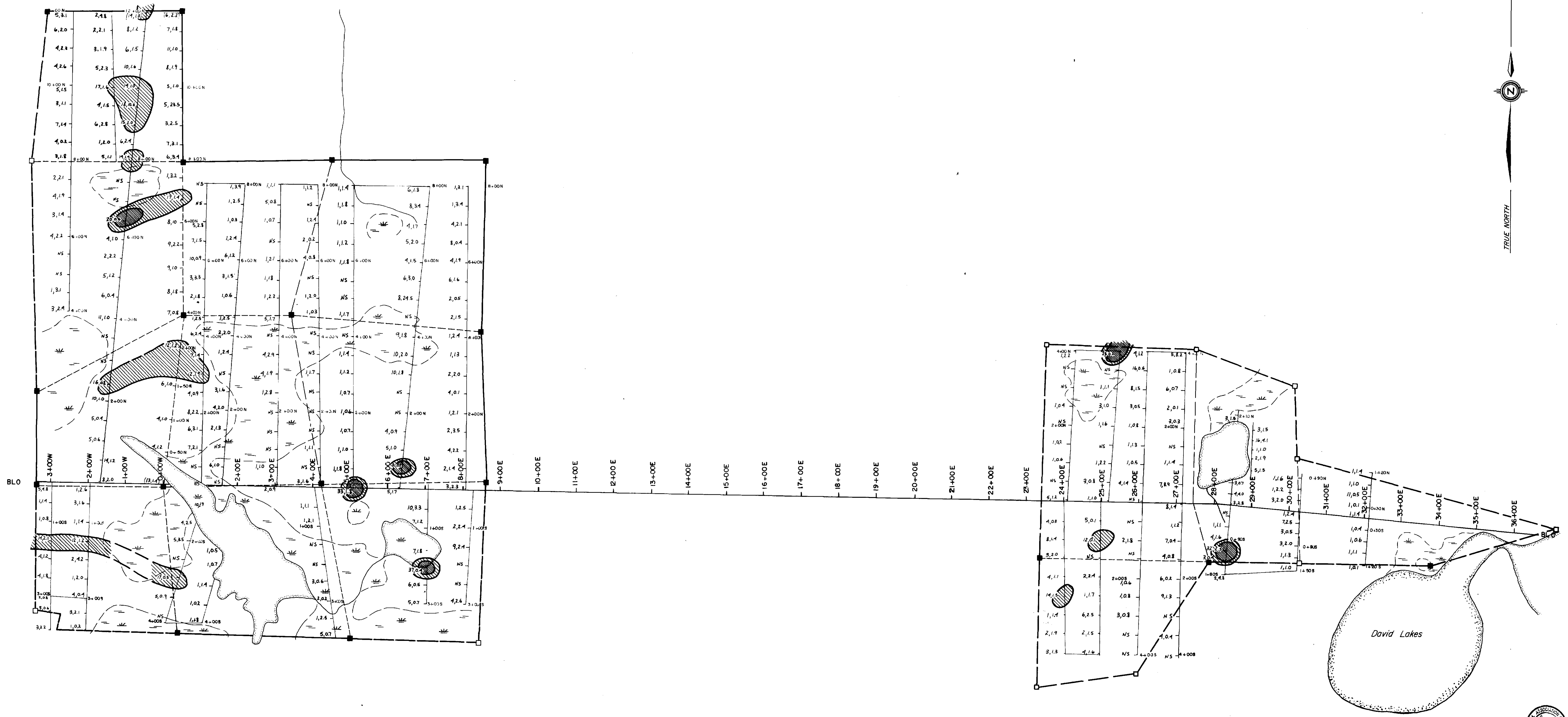
**David Lakes Property**  
Mishibishu Lake Area, Ontario

**Group A  
SOIL SURVEY**

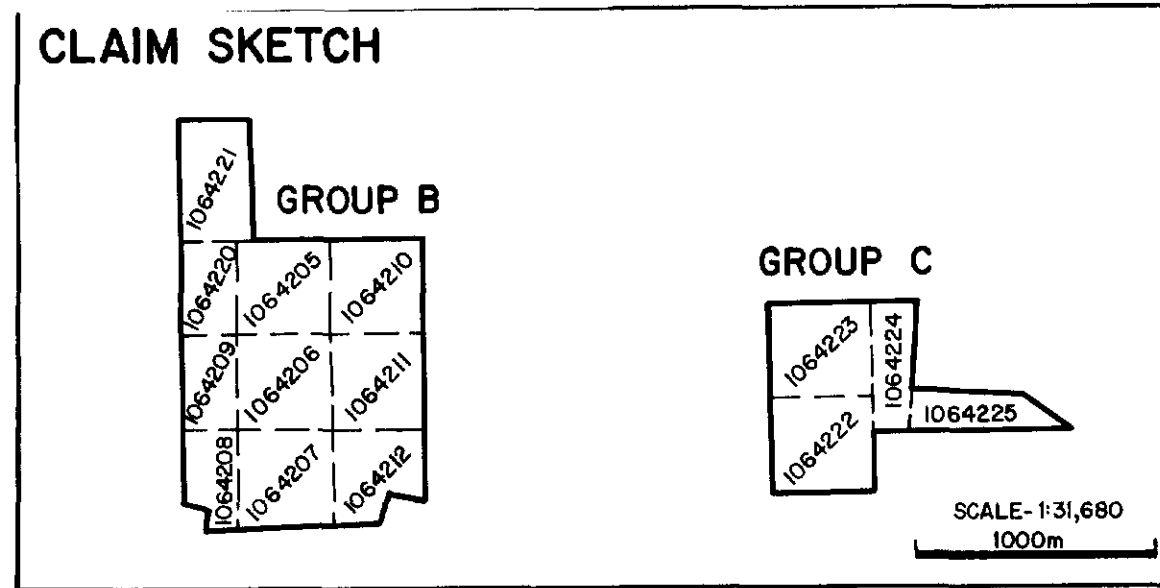
0m 100m 500m  
SCALE: 1:5000

AUTHOR: R.W. Metcalfe	DATE: January 1990	FIGURE No.: 4
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250



survey grid line  
Au ppb, As ppm - sample location  
Contour Interval - GOLD  
0-12 ppb  
13-19 ppb (possible)  
> 19 ppb (probable)

2.13045

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**David Lakes Property**  
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**Groups B and C  
SOIL SURVEY**

SCALE: 1:5000

0m 100m 500m

AUTHOR: R.W. Metcalfe DATE: January 1990 FIGURE No.: 5

