

DIAMOND DRILLING

TOWNSHIP: LAVAL

REPORT NO: 17

WORK PERFORMED FOR: Mistango Consolidated Res. Ltd.
transferred to Camreco Inc.

RECORDED HOLDER: Same as Above [xx]
: Other []

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
K 645074	M-87-1	407'	Aug/87	(1)
K 645075	M-87-2	184'	Aug/87	(1)
K 639104	M-87-3	257'	Aug/87	(1)
K 639103	M-87-4	400'	Aug-Sept/87	(1)
K 639105	M-87-5	401'	Sept-Oct/87	(1)
	M-87-6	293'	Oct/87	(1)
K 645083	M-87-7	213'	Oct/87	(1)
K 639106	M-87-8	335'	Oct-Nov/87	(1)

Notes: (1) W8801.090/092 filed in Sept/88

MISTANGO CONSOLIDATED RESOURCES LIMITED.

1987 EXPLORATION PROGRAMME.

TROUTFLY LAKE AREA - N.W.Ontario

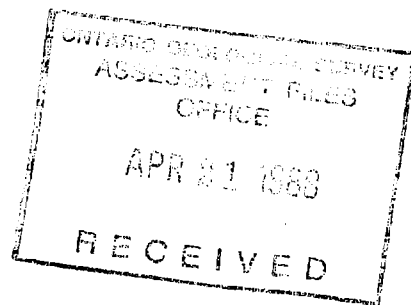




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ENCLOSURES: Diamond drill holes M87- 1 to M87- 8 incl.

Map of areas bulldozed. - in backpocket

Map showing location of drill holes - in backpocket

Assessment data submitted March 1988.- in backpocket

SUMMARY.

During the summer of 1987, an exploration programme was conducted on the Mistango claimgroup in the Laval township, N.W.Ontario.

Targets of this programme, which consisted of limited bulldozing, limited reconnaissance geology, ground geophysical surveys (VLF and Magnetometer) and diamond drilling, were two paralleling or subparalleling granodiorite dikes, one of which had been drilled in a three-hole drill program, of which one returned encouraging gold values.

The 1987 eight-hole drill program failed to establish zones of economic importance within the granodiorite dikes, eventhough holes M87-2 and M87-3 returned several gold values in the order of .06 oz/ton Au to .08 oz/ton Au over a maximum corelength of 2 feet.

INTRODUCTION.

During the month of June, 1987, Norontex Exploration Ltd was commissioned by Camreco Inc. and Mistango Consolidated Resources Limited to conduct an exploration programme on the Troutfly Lake claimgroup in N.W.Ontario.

The prime targets on this claimgroup were two granodiorite zones or dikes, one of which had been drilled in the previous year under the supervision of C.J.Kuryliw, P.Eng of the town of Dryden.

The exploration programme consisted of limited bulldozing, minor reconnaissance geology, ground geophysics in the form of VLF and Magnetometer and diamond drilling.

The ground geophysical survey has been covered in detail by R.van Enk's report, dated December 8, 1987, entitled "Camreco Inc, Mistango option, N.W.Ontario, Combined Magnetometer / VLF survey!"

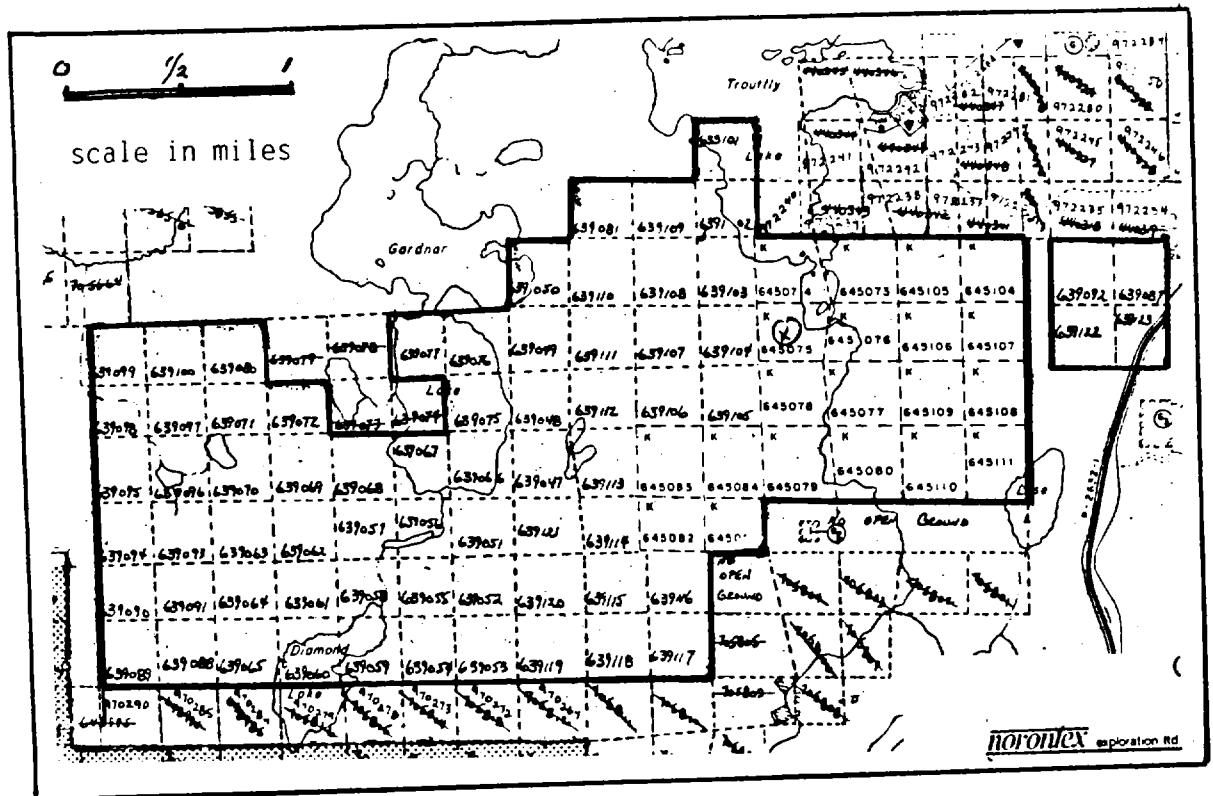
Diamond drilling was performed by E.Fontaine Diamond Drilling Ltd of Kenora; the core has been stored in the metal racks north of the main office at the Camreco mine site.

Bulldozing was conducted by Hutchinson of Dryden, utilizing a Cat D-9.

DESCRIPTION OF MINING CLAIMS.

The mining claims, situated in the Laval Township, M-3370, Kenora Mining Division, form a contiguous block of 88 claims, each measuring approximately 40 acres, for a total of 3520 acres (1424.5 hectares) - see figure 1.

FIGURE 1



Description of Mining Claims cont'd.

Reference Map	Claim Map	Claim Number	Recording Date
Laval TWP	M-3370	K 639047 - K 639077 incl. (29)	March 23, 1983
		K 639080 - K 639081 incl. (2)	- - -
		K 639087 - K 639100 incl. (14)	- - -
		K 639101 - K 639123 incl. (23)	- - -

Note: the above claims are on a time extension until and including March 25, 1988. All the above claims are 89 days short of the 200 days!

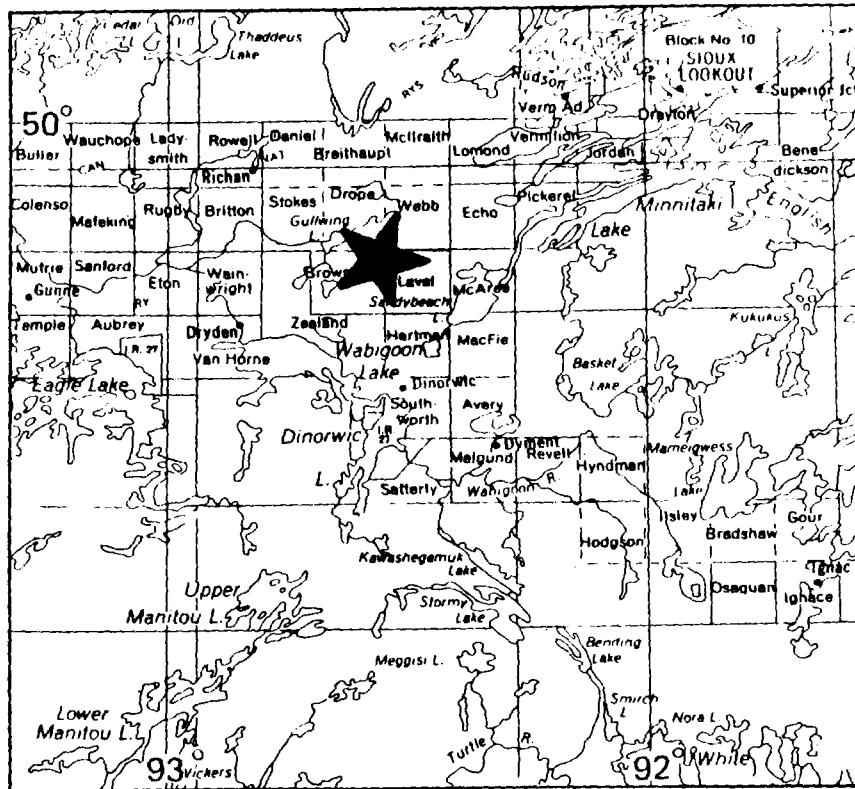
Laval TWP	M-3370	K 645073 - K 645084 incl. (12)	May 25, 1982.
		K 645104 - K 645111 incl. (8)	May 25, 1982

Note: K 645073 has 200 days assessment work,
K 645075 has 200 days assessment work,
K 645074 has 192 days assessment work;
all other claims have 190 days assessment work.

ON SEPTEMBER 14th, 1987 ALL THE AFOREMENTIONED CLAIMS WERE TRANSFERRED FROM MISTANGO CONSOLIDATED RESOURCES LIMITED TO CAMRECO INC.

LOCATION, ACCESS, SERVICES, TOPOGRAPHY and NATURAL RESOURCES.

LOCATION:



LOCATION MAP

FIGURE 2

scale 1:1 146 400

The Mistango Troutfly Lake claimgroup is located west of Highway 72, connecting Dinorwic and Sioux Lookout. The turn-off to the property is some 16 miles north of Dinorwic, which is located along the Trans Canada Highway, 17 miles east of the town of Dryden.

Location, Access, Services, etc., cont'd.

The centre of the claim block is about longitude 92°30'00" and latitude 49°50'30", Mining Claim Map M - 3370, LAVAL Township, Kenora Mining Division.

ACCESS:

Access to the property is by secondary road or trail, some 500 yards south of the Cofield Mission Road, approximately 17 miles north of Dinorwic. This trail, running southwestwards towards Diamond Lake, forks after about 2 miles, the northern fork accessing the centre portion of the property.

Alternatively, the property can be reached by boat, starting at the landing near the Mission.

SERVICES;

Transportation to and from Dryden is excellent; Dryden is situated along the Trans Canada Highway and the main line of the Canadian Pacific Railway. Jet service to and from Winnipeg and Thunder Bay is provided twice daily by Canadian International.

The presence of the Mining Recording Offices and the Resident Geologist's offices in Kenora and Sioux Lookout, facilitates activities associated with mining and exploration.

TOPOGRAPHY:

The general Troutfly Lake area is typical of the Precambrian terrain, having broad rolling topography with a general cover of glacial deposits, swamps, muskegs and lakes. The relief of the Troutfly lake area is moderate; hills generally average less than 60 to 80 feet above lake levels.

Location, Access, Services, etc., cont'd

RESOURCES AND NATURAL RESOURCES:

One of the principal sources of revenue of the general area is the summer tourist business. Sport fishing, boating and camping form the main attraction, many of these activities conducted from several lodges bordering the larger lakes.

Lumber activities are carried out extensively throughout the general area, with the raw product shipped to Great Lakes Forestry Products with its plant and stud mill in Dryden.

Lumber cutting facilities are available in Hudson as well.

Timber consists of polar, ash, cedar, balsam-fir, birch, black spruce and jackpine.

SOURCES OF INFORMATION.

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Assessment files in M.N.R. Offices, Res. Geologists, Sioux Lookout and
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Eclund Gold Mines, Porcupine Peninsula Gold Mines,
Calder - Bousquet, Mosher LongLac Mines, Villabona, Selco,
Billiton and Tarbush Lode Mining Limited. Mistango Consolidated
Resources Limited, Kuryliw, 1987.

"IN HOUSE REPORTS" - in the offices of Camreco; Frohberg, Broadhurst
, Broadhurst et al., Kuryliw, Redden etc.etc.
1947 - 1987.

HISTORY.

Historically, mining activities in the general area have centred primarily around gold, the search for this metal dating back to the early forties:Calder-Bousquet Mines, Mosher LongLac Mines, Villabona Gold Mines, Windward Gold Mines and Newlund Mines (formerly Lunward Gold Mines) being the more prominent ones among the mining companies involved in exploration.

In the immediate vicinity of Troutfly Lake, exploration activities by the following companies are recorded:

- 1) Winora (1951)
- 2) Graham - Bousquet (1951)
- 3) Porcupine Peninsula (1951)
- 4) Calder - Bousquet **
- 5) Eclund Gold Mines

** Contrary to some reports which assigned the 11-hole drill programme by Calder - Bousquet outlining 41.500 tons @ .15 oz/ton Au to the Troutfly Lake area, it has been established that this drilling took place near Beartrack Lake to the northwest of Troutfly Lake.

- 6) Selco Mining Corporation (1970 -1978). Selco conducted essentially a base metal program, consisting of linecutting, EM and Magnetometer and diamond drilling.

Mistango acquired the Troutfly Lake property in 1982. In 1984, the company carried out an Airborne VLF-EM and Magnetometer survey. In 1984 Billiton Canada Limited optioned the property from Mistango. Billiton subsequently commenced linecutting, followed by ground geophysical surveys (VLF and Magnetometer) and detailed mapping on a (very) widely spaced grid with picketlines some 200 meters (660 feet) apart.

History cont'd.

No diamond drilling took place by Billiton and the property was returned to Mistango.

In late 1986, Mistango drilled 4 holes under supervision of C.J.Kuryliw, P.Eng, one of which - hole 86-4 - returned 1.33 oz/ton Au over 2.0 feet, followed by .113 oz/ton Au over 1.8 feet.

These holes were drilled near and in the southernmost bay of Troutfly Lake, see figure 3.

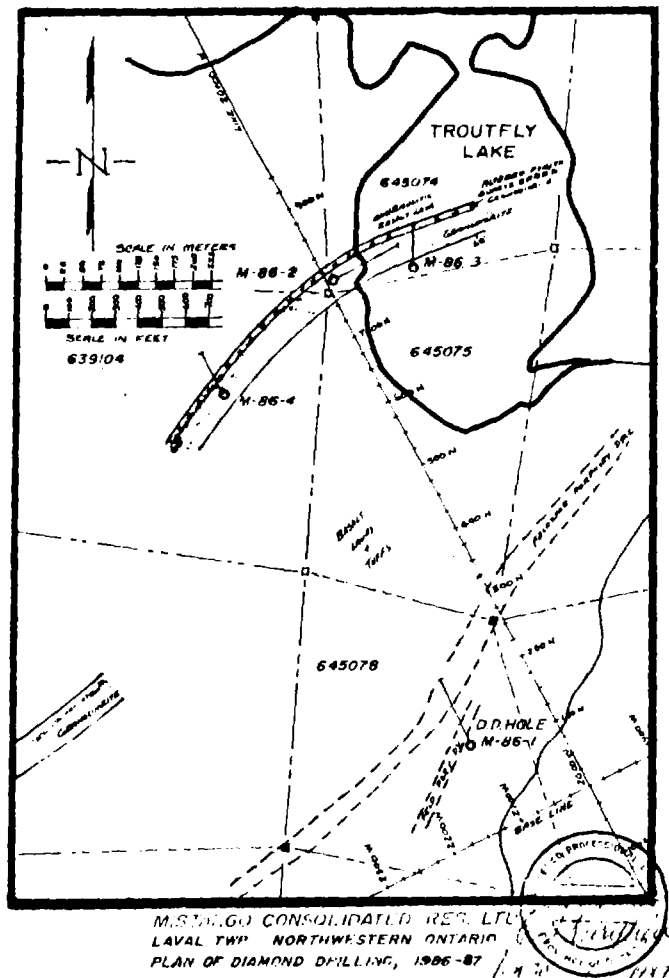


FIGURE 3, modified after Kuryliw (1987)

Chorlton cont'd

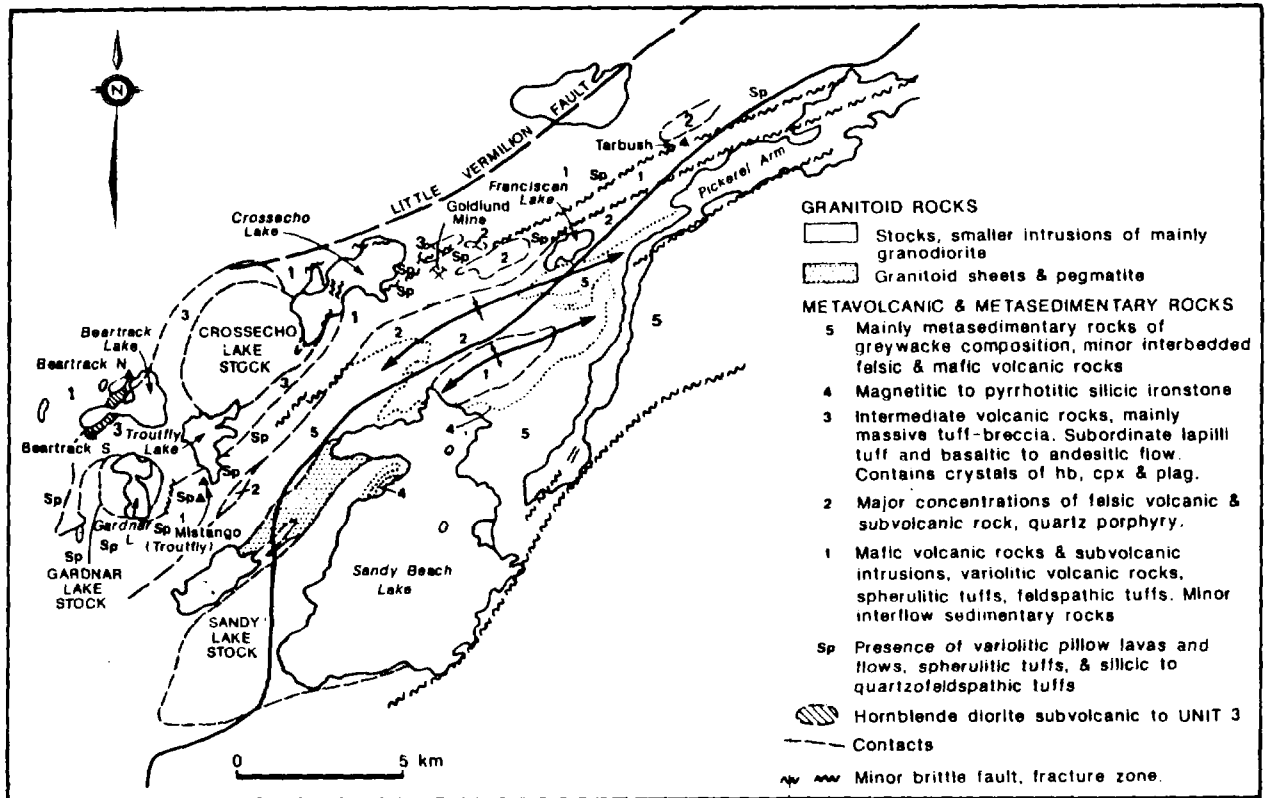


Figure 012.1. Distribution of metavolcanic, metasedimentary and granitoid rocks in the Cross Echo-Troutfly lakes area, showing gold occurrences.

spathic sills, locally display both mafic and felsic chilled contacts, gradation into more mafic meta-diabase, and, rarely, rhythmic layering. These sills occur from the Goldlund Mine area through the Troutfly Lake (Mistango) Prospect to the southeast of Gardner Lake. Where fractured or veined, these metadiorites host some of the most significant known gold mineralization. Variolitic mafic flows and spherulitic tuffs accompany these metadioritic sills along the southeastern side of the area. It is speculated that the flows and tuffs may be genetically related to the sills.

This predominantly bimodal metavolcanic suite passes gradationally, although relatively abruptly into a suite dominated by coarse pyroclastic rocks of an overall intermediate composition. Coarse-grained plagioclase-rich, basaltic and andesitic flows spar the transition, especially between Cross Echo and Troutfly Lakes, and in the north Gardner-Beartrack Lakes area. The main rock types are: a. tuff-breccias containing fragments of feldspar-phyric dacite; b. feldspar-phyric to very coarse grained metabasalt and andesite; c. hornblende- and possibly clinopyroxene-phyric andesite and/or basalt; d. bleached, vesicular, variolite-rich metabasalt; e. aphyric felsite; and f. iron formation. At Beartrack Lake, these rocks are accompanied by a subvolcanic intrusion of hornblende-rich diorite. The nearly ubiquitous presence of coarse, originally euhedral (now deformed) hornblende and clinopyroxene crystals in this suite of rocks provided a criterion for separation of the two metavolcanic assemblages in the field.

Charlton cont'd.

The distribution pattern (Figure 012.1), and the field relationships among the metavolcanic rocks (i.e. chips of iron formation, basalt, and feldspar-phyric dacite of one suite in the pyroclastic rocks of the other), suggest a regional younging into the centre of the metavolcanic belt and a gentle regional dip envelope overall.

The metasedimentary rocks consist mainly of metawackes grading locally into more feldspathic siltstones and sandstones. Lenses of felsic ashflow are exposed locally along Pickerel Arm. Mafic dikes and lenses, now amphibolitic, and mafic clasts in the ashflow, suggest that volcanism during the deposition of the metasedimentary rocks may have been both mafic and felsic. Biotite-plagioclase-quartz \pm amphibole assemblages predominate in the metawackes, and andalusite and pinhead garnet are also common over the southern half of the area. Staurolite and cordierite porphyroblasts appear near the Sandybeach Lake Stock. Pyrrhotite-enriched beds of metawacke are common around Sandybeach Lake. Amphibole-epidote-plagioclase-quartz \pm biotite \pm garnet assemblages characterize the amphibolites.

Sedimentary ironstone occurs between the felsic ashflow of the metavolcanic terrain and the metawacke sequence. The ironstone is well-bedded and silicic, with massive and laminated beds from one to tens of centimetres thick, composed predominantly of granular, recrystallized quartz. Interbeds of intraformational breccia are composed of tablets of this silicic rock in a dark, magnetite-rich matrix. The ironstone is predominantly pyrrhotitic and pyritic in some places, and magnetitic in others. Sulphide minerals generally occur as pod-like concentrations and segregations along, and overprinting foliation planes. Magnetite, however, is disseminated and enriched in certain beds, particularly in the matrix of the intraformational breccia. Where sulphide minerals occur in the ironstone, they are also present in the adjacent ashflow. The magnetite may owe its presence to synsedimentary iron-enrichment, whereas the sulphide mineralization, which is not clearly stratabound, may be secondary, perhaps resulting from metasomatism during deformation. Refolded folds and mylonitic textures in the polyphase fold hinges indicate substantial strain; possibly sheared and flexed contacts have helped to focus sulphide.

The pattern defined by the iron formation at the contact between the metavolcanic rocks and the metasedimentary rocks outlines a partially closed dome and basin structural pattern (Figure 012.1). This would result if an early, gently or moderately dipping layering were later deformed, either by single stage vertical doming, or by upright cross folding.

GRANITOID INTRUSIONS

The Cross Echo and Gardnar Lake Stocks are tonalitic to granodioritic in composition, with less than 10% ferromagnesian minerals, mainly biotite with subordinate hornblende. Both stocks are characterized by medium- to coarse-grained bipyramidal quartz phenocrysts (0.5 to several centimetres in size) in some areas. Microcline is variable in proportion and interstitial to plagioclase. Both stocks locally display internal foliations concentric to their margins, and narrow contact metamorphic/strain aureoles of amphibolitic metavolcanic rock. Aplite dikes are abundant.

The Sandybeach Lake Stock, also mainly tonalitic to granodioritic, is more mafic than the Cross Echo and Gardnar Lake Stocks. Microcline is interstitial or poikiloblastic, and more abundant in the northern lobe on Sandybeach Lake, where the rock locally becomes quartz syenitic. Ferromagnesian minerals, mainly hornblende, constitute up to 25% of the rock, and define linear and plano-linear fabrics. Pegmatite and aplite dikes are common in the north. The thermal aureole of the stock is broad, over 2 km in apparent width on its northern side.

Feldspar porphyry and quartz-feldspar porphyry dikes are common throughout the study area, and were emplaced into both the metavolcanic-dominated and metasedimentary-dominated terrains. Some of the feldspar porphyry dikes resemble the feldspar-phyric dacites in the metavolcanic suite, and may be synvolcanic. Quartz-feldspar porphyry dikes with coarse, bipyramidal, quartz phenocrysts, up to a few centimetres in diameter, are numerous around the Goldlund Mine, Cross Echo Lake, and the eastern margin of the Gardnar Lake Stock. In the latter area, the dikes are nearly undeformed, in contrast to their highly deformed hosts. Similar quartz phenocrysts were observed in nearby parts of the Cross Echo and Gardnar Lake Stocks. There are probably two ages of porphyry dikes; the younger equivalent to the Cross Echo and Gardnar Lake Stocks, and the older equivalent to the host metavolcanic rocks.

A fourth granitoid rock type was observed as dikes and irregular pods throughout the terrain northwest and west of Beartrack Lake. These small intrusions consist of a fine-grained intergrowth of over 60% plagioclase laths, with interstitial chlorite and minor quartz. They are commonly carbonatized and sericitized, and surrounded by bleached haloes up to tens of centimetres wide. Tuffisites, with granitoid breccia pieces in either chloritic or tourmaliniferous matrices, were observed inside several of the pods. Tourmaline is exceptionally profuse, filling numerous fractures that locally are up to 25 cm wide, and densely overprinting the granitoid rock beyond the margins of fractures. Pyrite is locally common. Sparse, disseminated scheelite was detected in a few samples with an ultraviolet lamp.

These granitoid injections are more widespread than originally thought. Minor, texturally similar, highly altered (carbonatized and pyritized), fine-grained granitoid rock is exposed as fracture fillings in brecciated metadiabase or massive metabasalt along the north side of the No.1 Zone of the Goldlund Mine. Similar granitoid dikes were also recognized at the south end of Pickerel Arm.

Chorlton cont'd.

STRUCTURAL DEVELOPMENT

Deformational imprints in the study area are assigned to two regional structural events, which were separated by the emplacement of the granitoid stocks. The earlier event, possibly thrust-related, resulted in generally moderate to gentle southerly dips of foliation and bedding, along with gently dipping zones of very strong schistosity. Some of the regional strain, involving superposition of contact thermal/strain aureoles, reorientation of early fabrics outside these aureoles, and possibly lineation development, was incurred during granitoid emplacement. The second event involved steepening of earlier fabrics, folding, fracturing, and activity along steep shear zones. This event is interpreted to be the result of northwest-southeast shortening around the granitoid stocks combined with sinistral oblique-slip. Gold mineralization accompanied fracturing and veining associated with second deformation folds and shear zones, which vary in style and attitude with position relative to the granitoid stocks.

The earliest event (D_1) involved the formation of a strong regional foliation (S_1), which, although later deformed, conforms regionally to a gentle to moderate dip envelope similar to that shown by stratigraphic contacts. It dips moderately to gently where it is best preserved, between the Cross Echo and Gardner Lake Stocks, and in the partially enclosed domal structure defined by the metasedimentary-metavolcanic contact and ironstone marker north of the Sandybeach Lake Stock (Figure 012.2). Elsewhere, it was strongly transposed into steep attitudes during the second event (D_2), and the early foliation may be so nearly parallel to the second foliation that the difference is detected only in narrow structural panels that preserve the hinges of tight F_2 folds in S_1 .

In most exposures of bedded metasedimentary rocks in the study area, S_1 strikes counterclockwise and dips nearly parallel to bedding planes, which face mainly southeast and upwards on this foliation. F_1 fold hinges are rarely seen except in the ironstone. Reconnaissance in Hartman Township has revealed steeply dipping, bedded metasedimentary rocks which young to the south and face downwards on a gently north-dipping S_1 foliation. The simplest explanation of the overturning on shallow foliations and the large tract of upward facing strata is large-amplitude D_1 thrusting.

The S_1 foliation in metavolcanic rocks, which are also upright, is developed inhomogeneously, and commonly is focused along contacts and in fine-grained, fragmental rocks. However, this foliation is particularly intense, even locally phyllonitic or mylonitic, in all units between Troutfly Lake and the Gardner Lake Stock. The dips of S_1 in parts of this area are less than 35° to the south and southeast. In the terrain between the south parts of Troutfly and Gardner Lakes, these shallow schistose zones in both tuff-breccia ("upper volcanic unit") and a meta-dabase sill-metavolcanic rock complex ("lower volcanic unit") dip southeastward from the "younger" into the "older" unit, compatible with thrusting as a mechanism for first deformational imprint. However, because the contact probably resulted from pyroclastic processes, which are prone to unconformity, this is not necessarily diagnostic.

The second deformation (D_2) was responsible for: a. upright folds of the earlier foliation and bedding; b. a local, northeast-striking, steeply dipping crenulation or spaced fracture cleavage; c. steep ductile shear zones; and d. fracturing, on several scales. The large scale, doubly plunging antiform and synform, outlined by the map pattern and early foliations referred to above, are products of D_2 . The antiform-synform pair resulted from regional northwest-southeast shortening. The doubly plunging fold hinge and lineation pattern may reflect curvature that is convex upward and to the northwest (about a northwest-southeast axis). This curvature may, in turn, be related to the larger scale regional curvature that is responsible for the doubly plunging, D_2 , Lateral Lake antiform that occurs northwest of the Little Vermilion Fault (Figure 012.2). Open crenulations, and open to moderately tight, megascopic, Z-, S-, and M-folds in pre- D_2 foliations were developed in many parts of the area. The symmetry of these folds depends predominantly on the attitude of the early foliation (Figure 012.2), which formed pre- D_2 , and after emplacement of the granitoid rocks. Where intrusive or stratigraphic contacts are inclined to S_1 , F_2 folds of contacts and foliations may contrast in symmetry.

Schistose zones related to D_2 fall into two general categories: 1. a major set of steeply dipping, sericitic, relatively fine-grained, schistose zones, and 2. a subordinate set of east-northeasterly to south-easterly striking, schistose zones. Schistose zones of

the major set are metres to tens of metres wide, and are located where the regional foliations are steep in the limbs of D_2 folds and in the axial zones of D_2 folds; and in secondary, narrow shear fracture zones counterclockwise to the main tectonic grain. Schistose zones of the subordinate set are narrower, and in places are accompanied by a similarly-oriented crenulation cleavage. Because of the existence of locally intense, pre- D_2 fabrics, a sense of simple shear (where simple shear was operative) is ambiguous in most of these zones. Fine-grained, schistose zones in the axial planes of D_2 folds are probably essentially irrotational. However, exposures showing sinistrally-rotated plagioclase porphyroclasts, and sinistral sets of quartz-filled, *en echelon*, extension gashes occur in several of the more prominent northeasterly trending schistose zones in the metavolcanic and metadiabasic terrane. Sigmoidal and over-rotated quartz veins in phyllonitic zones in the meta-sedimentary terrane along Pickerel Arm (Figure 012.2) also suggest a sinistral sense for the predominant, northeasterly striking set.

Quartz- and tourmaline-quartz-filled fractures are abundant throughout the entire study area, including the granitoid stocks. They were emplaced both between and within rocks affected by D_2 simple shear. In the first setting, they are steep and northwest-to north-northwest-trending, and subperpendicular to the overall northeasterly tectonic grain of the belt. These fractures may be interpreted as normal extension fractures, reflecting an overall northeasterly extension and/or northwest-southeast shortening. Minor veinlets, with no strain implications, are also found filling the early foliations in micaceous bands in the metasedimentary schists. In the second setting, northeasterly striking *en echelon* veins, locally sigmoidal, are acutely counterclockwise to the steep, northeasterly striking, D_2 foliations and transposed lithological contacts in zones affected by D_2 simple shear, particularly from the Goldlund Mine area north-eastward, and along Pickerel Arm (Figure 012.2). These veins provide the strongest evidence for a late stage component of sinistral simple shear.

Quartz veins at the Mistango property on Troutfly Lake south of the Cross Echo Stock have an entirely different geometry. These veins occur as a conjugate set, the predominant orientation being moderately north-dipping and west- to west-northwest-striking, acutely clockwise to S_2 cleavages and axial planes of the gently southwest-plunging, monoformal, F_2 Z-folds (approximately 030° /steep). The subordinate set is steeply dipping, and subparallel to S_2 . The northerly dips of the main vein set may reflect either a north-side-up shear component or south-over-north rotation of the foliated metadiorite in F_2 fold hinges. The predominant vein orientation suggests a dextral shear component during D_2 in this area, although the siting and overall geometry of the stockwork probably relate to the folding.

Penetrative lineations, defined by elongated spherulites, vesicles, amygdules, and mineral aggregates replacing igneous plagioclase and hornblende or other mafic phenocrysts, are also locally prominent. The mineral aggregates are compatible with peak metamorphic assemblages. Between Troutfly and Gardnar Lakes, lineations are commonly

crenulated by F_2 , the lineations plunging gently northeast, and the crenulation axes plunging gently southwest. From Cross Echo Lake to Pickerel Arm, lineations change in plunge from southwest in the south to northeast in the north (Figure 012.2), consistent with D_2 flexing of fold hinges. These lineations were thus affected, and perhaps enhanced, by D_2 , but were initiated prior to it, possibly during emplacement of the granitoid stocks.

Non-penetrative, subvertical, stretch (carbonatized necked plagioclase) and mineral (tourmaline, actinolite) lineations locally affect D_2 -fragmented apophyses of the Cross Echo Stock north of Cross Echo Lake, and some of the schistose zones in the northwestern and northeastern parts of the study area. The lineations may reflect localized vertical extension, axial constriction, or dip-slip displacement during this carbonatization and tourmaline alteration.

Structures associated with the granitoid stocks are of two generations: the earlier relates to their emplacement and the later relates to the regional D_2 deformation. The Cross Echo and Gardnar Lake Stocks display inhomogeneously developed, internal foliations, defined by biotite books and flattened, recrystallized quartz domains concentric to their margins, and narrow, very highly foliated contact metamorphic aureoles which dip steeply (Figure 012.2). The earlier foliations of the metavolcanic terrane dip away from the contact strain aureoles, suggesting a moderate reorientation of the D_1 structures due to the punching upward of the stocks. The fabric-forming biotite is fresh, except in the highly deformed, shear-displaced, northeastern segment of the Cross Echo Stock, and along the western side of the Gardnar Lake Stock, where chlorite and epidote replace both biotite and hornblende. Aplite dikes and subordinate, quartz-filled fractures cut the internal foliation at high angles, and are most numerous in areas of most intense foliation. They are unfoliated within the stocks, except in the sheared northeastern segment of the Cross Echo Stock and west of the Gardnar Lake Stock (above), and are openly buckled across northeast-trending axial planes outside the stocks. The weak buckling and localized foliation of the aplites are compatible with the D_2 deformation pattern.

The core of the Sandybeach Lake Stock possesses a south-plunging, linear fabric which is defined by hornblende. This linear fabric changes outward into a plano-linear fabric around the margins of the stock. The large size and general concordance with regional fabrics of the Sandybeach Lake Stock make it difficult to assess the influence of its emplacement on structures in the surrounding rocks. However, the stock is clearly affected by D_2 shear zones along its eastern side.

METAMORPHISM AND REGIONAL ALTERATION

A regional metamorphic peak in the upper greenschist facies (above the biotite isograd) was attained after the first deformation throughout most of the study area. This metamorphic peak overlapped the second deformation. Rocks metamorphosed to lower than biotite grade are located only in the extreme

Orlton cont'd.

northeast. The metamorphic grade increases gradually toward the Sandybeach Lake Stock, through lower amphibolite facies (andalusite-garnet-biotite in pelitic schists), to higher grade rocks containing porphyroblasts of cordierite and staurolite, and ultimately to migmatite veining in agmatite enclaves next to the contact. The Cross Echo and Gardner Lakes Stocks, even though they possess narrow contact zones of highly foliated amphibolite, have little effect on the regional isograd pattern.

Most of the evidence for the timing of the metamorphic peak comes from the medium- to high-grade metasedimentary rocks, and suggests that peak metamorphic temperatures were achieved after D₁, prior to and overlapping D₂. First, tonalitic segregations of the migmatite enclaves were clearly folded and foliated by D₂. Secondly, both andalusite and staurolite porphyroblasts overprint S₁ and form augen within the D₂ crenulation. Coarse cordierite most commonly forms ragged, anhedral porphyroblasts which conform to the crenulated geometry of the F₂ folds and crinkles of S₁ in the host rock, and thus crystallized either during or after D₂. Comparatively fine-grained porphyroblasts of cordierite immediately next to the stock are euhedral, and form augen in the S₂ foliation. Staurolite in one outcrop area, and cordierite in another, also form monomineralic concentrations next to both quartz-filled and quartz-poor fractures cutting across, and locally axial planar to, F₂ folds. Metamorphic conditions must have remained within the stability limits of these two minerals, and the hosts were metasomatically altered from normal pelitic compositions into alkali- and silica-depleted ones next to the fractures during D₂. Both staurolite and cordierite are commonly replaced by white mica and calcite, as is the more widespread andalusite, suggesting late or post-D₂ rehydration and carbonatization (below).

Two forms of hydrothermal alteration are inhomogeneously developed but regionally pervasive: 1. disseminated calcite-magnetite, or, locally, sericite-calcite replacement, and 2. more focused tourmaline replacement. It is suspected that these alteration effects occurred under near peak metamorphic conditions, but post-dated the initial crystallization of regional metamorphic assemblages.

The calcite-magnetite replacement is the most widespread regional alteration, preferentially affecting mafic and intermediate rocks. The more feldspathic phases of the metadiabase-diorite suite and the spherulitic tuffs are particularly susceptible, as are rocks in which either early (S₁) or later (S₂) foliation is particularly strong. The northeast-striking, D₂ shear zones on either side of the Sandybeach Lake Stock are likewise converted to calcite-sericite-biotite schists in the southern and central parts of the area, and to ankerite-sericite-chlorite schists at the extreme northeastern end of the area, where the ambient metamorphic grade is lower and biotite is lacking in the surrounding metasedimentary schists. Ankerite is elsewhere confined to mineralized zones.

All zones of weakness, such as areas of strong foliation, pillow selvages or pillow breccia, scoriaceous fragments, and small mafic chips, are local foci for tourmaline replacement. Tourmaline

needles radiate from replacement aggregates into the surrounding rock. However, the tourmaline is commonly aligned preferentially along S₂ cleavage or crenulation planes, or concentrated in clots along prominent D₂ schistose zones, suggesting a D₂, or younger, age. Breccia pods and dikes with tourmaliniferous matrices are particularly common within the fine-grained pods of tonalite, north and west of Beartrack Lake. Tourmaline is common in the regional quartz veins, and fills some of the latest generation of fractures which crosscut the Gardner and Cross Echo Lakes Stocks and feldspar-quartz porphyry dikes, also suggesting a late introduction.

Other forms of alteration, such as iron carbonatization, silicification, sericitization, and albitization, are associated with sulphide mineralization in rocks with high gold potential. It is noteworthy that Giddings (1986) has concluded that the early stages of this alteration at the Goldlund Mine took place under relatively high temperature conditions, compatible with the regional metamorphic peak temperatures preceding and overlapping D₂.

BEN BERGER - 1987.

GENERAL GEOLOGY

The map area is underlain by Precambrian (Archean) supracrustal rocks composed of mafic and felsic metavolcanics, metasediments, and related intrusive rocks which have been intruded by Archean granitoid stocks (Figure 013.1). Laval and Hartman Townships were previously mapped by Satterly (1943) who subdivided the supracrustal rocks into groups of predominantly metavolcanic or metasedimentary assemblages. Turner and Walker (1973) subdivided the supracrustals into groups in the Sioux Lookout area and subsequent workers (Page and Christie 1980; Trowell *et al.* 1980, 1983; Berger *et al.* 1987a, 1987b, 1987c) have adopted these group names and extended their boundaries southwest of Sioux Lookout to the map area. Groups recognized by Turner and Walker (1973) in the map area include the Southern Volcanic Belt, the Minnitaki Group, the Central Volcanic Belt also known as the Neepawa Group (Trowell *et al.* 1983), and the Abram Group. The Thunder River Volcanics (Satterly 1943) do not easily fit into these groups; however, they may be related to the Southern Volcanic Belt.

The Southern Volcanic Belt (Wabigoon Volcanics, Satterly 1943), which is restricted to the southern and western parts of Hartman Township, is composed predominantly of mafic metavolcanic flows with minor mafic pyroclastics and rare clastic metasediments. Pillow structures and plagioclase phyric flows ("leopard rock") are the major primary features preserved in these rocks and occasionally pillow breccias and bedding planes in tuffs are present. Geochemical analyses of representative samples from the Melgund Lake area (Berger, in preparation) show that these rocks are predominantly high iron tholeiites.

The Minnitaki Group underlies central Hartman Township and southern Laval Township, and is equiv-

alent to the Zealand Sediments and the Thunder Lake Sediments mapped by Satterly (1943). The Minnitaki Group is composed predominantly of clastic wacke and siltstone and exhibits graded beds interpreted as being deposited by turbidity currents. Minor sulphide and oxide facies ironstones are interbedded with the wacke but do not form large mappable units. Pebbly wacke beds occur in a few places and are the coarsest metasediments present. Felsic metavolcanic tuff, crystal tuff, and lapilli-tuff are interbedded with the wacke and form large mappable units in the Laval Lake area. Mafic tuff is also interbedded with the wacke but does not form mappable units and is uncommon. The contact between the Minnitaki Group and the Southern Volcanic Belt is obscured by the Hartman Lake Stock and the stratigraphic facing directions are unreliable in this area. The contact between the Minnitaki Group and the Neepawa Group appears to be conformable, and intercalations of metasediments with metavolcanics are common. Reversals in stratigraphic facing directions are common due to folding and faulting, but, based on mapping by Berger *et al.* (1987a, 1987b, 1987c), the Minnitaki Group appears to overlie the Neepawa Group.

The Central Volcanic Belt or Neepawa Group (Brownridge Volcanics, Satterly 1943) is composed of metavolcanics which are divisible into two formations (Figure 013.1). Formation A forms a broad band that extends southwest from northeastern Laval Township to the Rafter Lake area. Formation B underlies the Beartrack-Troutfly Lakes area and the islands and eastern shore of Rafter Lake. The contact between the two formations is transitional and based on field relationships. Formation A is older than Formation B.

Formation A is composed predominantly of amphibolitic mafic flows and related subvolcanic intrusions. These rocks are dark green to black on the weathered surface, and are composed of massive to pillowed flows with interlayered heterolithic mafic pyroclastics. Felsic metavolcanic flows and pyroclastics locally form mappable units but are subordinate members of Formation A. Variolites form a distinctive sequence in Formation A. Variolites in massive mafic flows were commonly observed to gradually increase in abundance from approximately 30 percent, toward the upper stratigraphic contact where, in many places, they coalesced into massive, glassy-looking dacitic to rhyolitic rocks. In some places these flows are overlain by felsic tuffs containing "varioles" and fragments of coalesced felsic lava. This sequence of rocks provides a readily identifiable marker horizon extending from the eastern boundary of Laval Township to west of Gardner Lake. The origin of these textures is unknown at present.

Subvolcanic gabbro/diorite sills and dikes intrude the metavolcanics of Formation A, and in several instances, textures and field relationships indicate that these bodies breached the surface, producing flow equivalents. These rocks commonly contain plagioclase and/or hornblende phenocrysts which appear to form cumulate phases within the intrusions.

Formation B of the Neepawa Group is composed of mafic to intermediate metavolcanic pyroclastics with subordinate intermediate to felsic flows. These

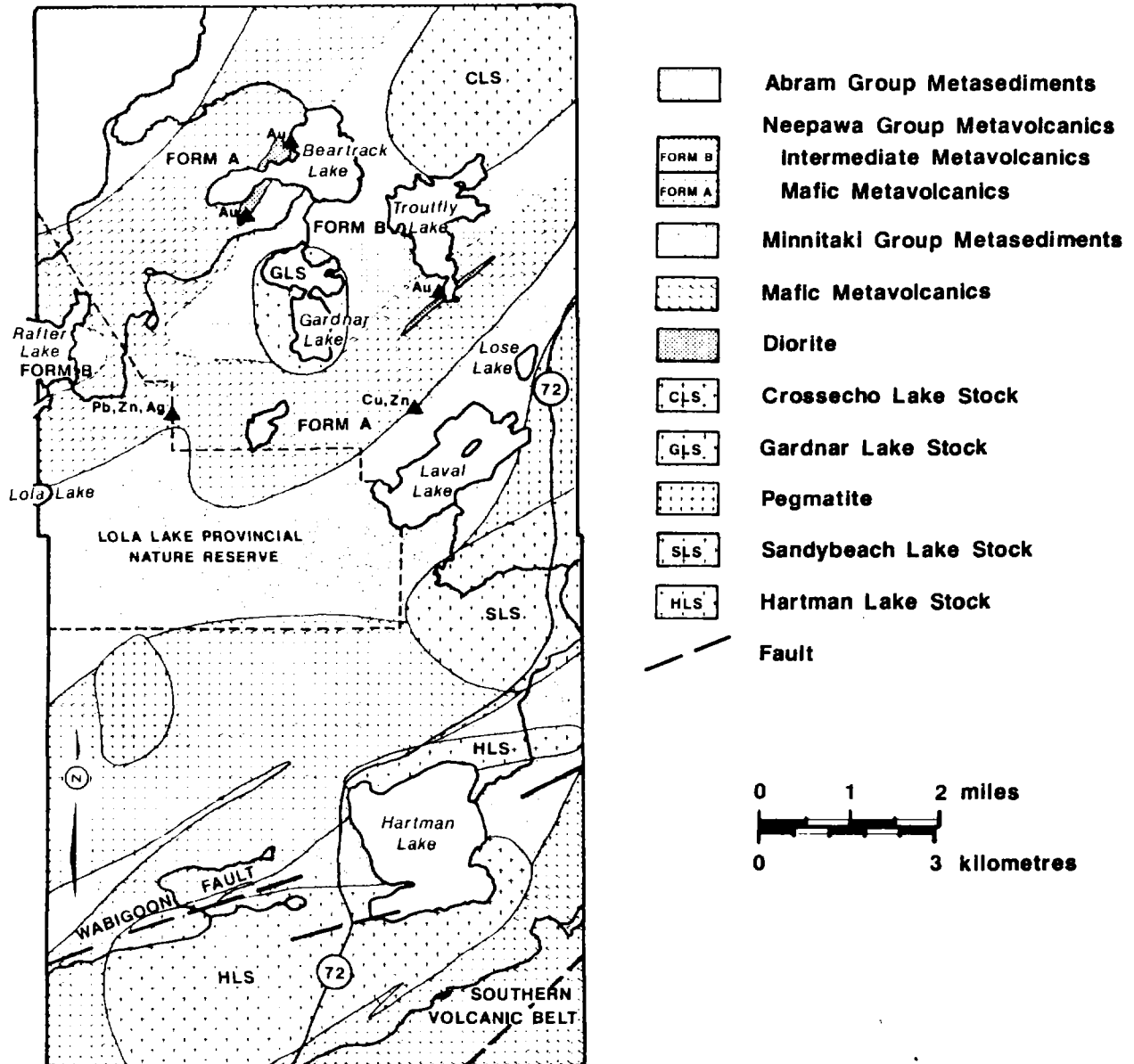


Figure 013.1. General geology of Laval and Hartman Townships Area, District of Kenora.

rocks are characterized by grey-green weathering surfaces and contain either prominent euhedral hornblende or plagioclase phenocrysts and are interpreted to represent products of explosive calc-alkalic volcanism. Distinctive textures in these rocks include square hornblende phenocrysts interpreted to be primary and/or pseudomorphic after clinopyroxene and trachytic textured pyroclasts and flows. The pyroclastic deposits in the Beartrack Lake area are unsorted, ungraded, poorly stratified, heterolithic tuff breccias that become better organized in the Rafter Lake area. Flows are subordinate and are composed of mafic to felsic massive and pillowed members.

At Beartrack Lake, an irregularly shaped composite diorite stock has intruded both formations of the Neepawa Group, and fragments from the stock are incorporated in Formation B pyroclastic deposits and

trachytic flows are in gradational contact with the intrusion. This indicates that the stock was subvolcanic and was a local source for some of the metavolcanics of Formation B.

The Abram Group or Brownridge Sediments (Satterly 1943) underlie the northwestern corner of Laval Township. These rocks are composed of arenaceous wacke interbedded with siltstone and felsic metavolcanic crystal tuff and tuff-breccia. The clastic metasediments are northwest facing, thinly to thickly bedded, containing well-preserved graded beds, cross-stratification, scour marks, and "rip-up" clasts that are indicative of deposition by turbidity currents. Turner and Walker (1973) have subdivided the Abram Group into formations and, based on their descriptions, the metasediments in the map area appear to be most closely related to the Daredevil Formation

which contains both felsic metavolcanics and turbiditic wackes. There is also a close similarity in lithologies and depositional environments between the Abram Group and the Minnitaki Group in the map area.

The Thunder River Volcanics (Satterly 1943) form a band of mafic metavolcanic flows and amphibolites that extends from Hartman Lake to the western boundary of Hartman Township. These rocks are composed of massive and pillowed amphibolitic mafic flows, some of which contain plagioclase varioles. These rocks are intercalated with clastic metasediments of the Minnitaki Group and do not readily fit into previously described groups. However, these rocks appear to be contiguous with members of the Southern Volcanic Belt and are tentatively correlated with this group.

A number of granitoid stocks intrude the supracrustal rocks, including the Hartman Lake Stock, the Sandybeach Lake Stock, the Gardner Lake Stock, the Crossecho Lake Stock, a distinctive suite of granitic pegmatites, and a number of feldspar and quartz feldspar porphyritic dikes.

The Hartman Lake Stock is a composite granitoid intrusion composed mainly of a pink weathering granodiorite phase, a pink to red granite aplite phase, and a white weathering quartz feldspar porphyritic border phase which, in part, is physically separated from the main stock. The granodiorite underlies most of the stock in the west-central part of Hartman Township. It is a medium- to coarse-grained, quartz-rich rock which is locally deformed to mylonite where it is cut by the Wabigoon Fault. The pink granite aplite occurs as a massive intrusive phase east of Hartman Lake and as stringers and dikes cutting both the granodiorite and Southern Volcanic Belt rocks. The quartz-feldspar porphyry occurs along the southeastern and eastern margins of the stock and intrudes the earlier phases of the stock. Along the northeastern margin of the stock, the porphyry occurs as apophyses, dikes, and irregular bodies intruding Minnitaki Group metasediments and Thunder River Metavolcanics. A distinctive intrusion breccia occurs along Highway 72 where the porphyry has partially assimilated mafic amphibolite.

Only the western third of the Sandybeach Lake Stock occurs in the map area and it is located along, and west of Highway 72 in northeastern Hartman Township. The stock is a grey weathering, foliated, mafic xenolith-bearing quartz monzonite to quartz-diorite. The rock is medium grained, homogeneous, and contains hornblende and biotite. A syenogabbro phase composed of large pink feldspars in a biotite-hornblende groundmass occurs along the western margin south of Laval Lake.

The Gardner Lake Stock is centred under Gardner Lake and is an equigranular to slightly feldspar porphyritic, biotite-bearing granodiorite. For the most part, the stock is homogeneous with narrow (1 to 30 cm) pink and white aplite dikes cutting the stock and host rocks near the borders. Quartz-tourmaline veins are found along the western margin. A number of granitic dikes intrude the metavolcanics southwest of the stock, however, their relationship to the stock is uncertain at this time.

The Crossecho Lake Stock is an oval intrusion underlying the northeastern part of Laval Township. It is predominantly a pink, quartz porphyritic granodiorite with minor white tonalite and numerous pink granitic aplite dikes and stringers. Biotite usually makes up less than 10 percent of the rock, and in many places comprises less than 5 percent of the rock. Large quartz phenocrysts (up to 2 cm in diameter) are commonly doubly terminated and this distinguishes this stock from the other granodiorites in the map area. Quartz tourmaline veins are also common in this stock.

A distinctive suite of white and pink weathering granitic pegmatites and aplites occurs along Highway 72 in southeastern Laval Township, on the shores of Laval Lake, and in the northwestern part of Hartman Township. The white variety is composed of quartz, sodic and potassic feldspar, muscovite, and biotite. Garnet, tourmaline, and rarely fibrolitic sillimanite occur as accessory minerals. The pink pegmatite is mineralogically similar to the white variety but contains less tourmaline and no sillimanite. White and pink pegmatite occur together in the field and the only noticeable difference is that white pegmatite contains mostly metasedimentary xenoliths, whereas the pink variety contains mostly amphibolitic xenoliths. These rocks crosscut the Sandybeach Lake Stock and are among the youngest rocks in the map area.

Throughout the map area, feldspar and quartz-feldspar porphyry dikes intrude the supracrustal rocks. Based on spatial proximity, many of these dikes are thought to be related to the felsic metavolcanics in the Neepawa Group. Some of these dikes may also be related to the granitic stocks such as the Hartman Lake Stock or the Crossecho Lake Stock. However, many dikes are of uncertain origin. In particular, a number of monzodioritic to feldspar phyric dikes intruding metavolcanics southwest of Gardner Lake are compositionally different from the Gardner Lake granodiorite stock and appear to form a separate intrusive centre.

STRUCTURE AND METAMORPHISM

Two periods of deformation have affected all of the supracrustal rocks in the map area, and around the peripheries of some of the granitoid stocks a third period of deformation is locally preserved. Evidence of the first deformation is preserved in the stress shadows of the Crossecho Lake and Gardner Lake Plutons. Here, subhorizontal foliations, lineations, shearing, and bedding indicate thrusting was possibly responsible for the first phase of deformation (Chorlton, Article 012, this volume).

The second deformation is well preserved and has affected all of the rocks in the map area. It is characterized by north- to northeast-trending foliations and northeast- or southwest-trending lineations and fold axes. The second deformation has lightly buckled the metavolcanics about subvertical fold axes, and, in the area southwest of the Crossecho Lake Stock, low amplitude folds imposed upon the subhorizontal strata of the first deformation has caused multiple repetition of metavolcanic units. The second deformation has resulted in transposition of units

in many places and has created very complex geology.

Intrusion of some of the granitoid plutons has imposed foliations and mineral lineations upon the supracrustal rocks. These structures are localized to the peripheries of the plutons and represent the third period of deformation in the map area.

The Wabigoon Fault as described by Satterly (1943) and Blackburn *et al.* (1985) is characterized by intensely sheared rocks marking the boundary between north-facing mafic metavolcanics south of the fault and south-facing clastic metasediments north of the fault. In the map area, the Hartman Lake Stock intrudes along this interface and the Wabigoon Fault has cut the Hartman Lake Stock as a series of separate but subparallel shear zones. Each zone is marked by the development of mylonitic textures and each shows a pronounced dextral asymmetry defined by rotated foliation at the boundaries. Purple fluorite commonly occurs along the foliation planes and is interpreted by the author as evidence that the structures are deep seated.

A second major northeast-trending structure cuts the Southern Volcanic Belt southeast of the Hartman Lake Stock. This structure is interpreted to represent the extension of the Manitou Straits Fault (Blackburn 1982) into the map area. It consists of intensely sheared mafic metavolcanics which locally contains sulphide mineralization and brown carbonate alteration. Its relationship to the Wabigoon Fault is as yet unclear; however, northeast-trending microfaults within the Hartman Lake Stock clearly cut and sinistrally offset west-trending foliations interpreted to belong to the Wabigoon Fault system.

Most of the area has been metamorphosed to amphibolite facies. Indicator minerals in the metasediments include staurolite, garnet, and andalusite. Metamorphic mineral indicators in the mafic metavolcanics include the widespread development of garnet and hornblende and the local development of pyroxene in metatexitic rocks. Partial melting of the metasediments is indicated by the development of the white garnet-sillimanite bearing pegmatites which occur extensively along the eastern boundary of Laval Township and in the northwestern part of Hartman Township.

Areas of greenschist facies metamorphism occur south of the Hartman Lake Stock and in the Beartrack Lake-Troutfly Lake area. Chlorite, epidote, and actinolite are most common in these areas.

ALTERATION

All rocks, including the granitoid stocks and pegmatite intrusions north of the Wabigoon Fault, have undergone some degree of tourmalinization. Tourmaline occurs mainly in two environments. Firstly, tourmaline occurs in quartz veins that intrude along the northeast D_2 foliation planes and along extension fractures oriented northwest, north-northeast, and east-northeast. This type of tourmalinization is most common and occurs in all rock types. Several assays from these quartz-tourmaline veins returned *nil* gold and silver.

In the second environment, tourmaline occurs within the host rock as individual crystals, rosettes, or as massive replacement of such primary features as pillow selvages, vesicles, and original porous pyroclasts. This type of tourmalinization occurs mainly in the Neepawa Group metavolcanics in the Beartrack-Gardnar-Troutfly Lakes area. Occasionally, andalusite and scheelite are present and, although all three gold showings in the map area are spatially related to this type of tourmalinization, quartz-tourmaline veins are also present in the vicinity of each showing.

Locally, hydrothermal silicification and carbonatization have affected the supracrustal rocks. This type of alteration is manifested along the extension of the Manitou Straits Fault and in the area southwest of Troutfly Lake. In particular, pervasively silicified and carbonatized gabbroic sills at the southern end of Troutfly Lake are the current focus of gold exploration by Mistango Consolidated Resources Limited.

LOCAL GEOLOGY.

As the Camreco - former Goldlund programme was conducted simultaneously as the Mistango one, very little time was spent on the local geology, other than a cursory type of reconnaissance.

The author relied heavily on the detailed mapping by Billiton (1984) and the reader is referred to Billiton's map and report.

During the drilling on the Mistango property, L.B.Chorlton traversed the Mistango claims on a number of times and assisted the author on several occasions with details on the local geological phenomena. Details of her work, pertaining to the "lake showing" on the west side of the southernmost bay of Troutfly Lake are reproduced as follows:

Chorlton, 1987

"MISTANGO (TROUTFLY LAKE) OCCURRENCES

The Mistango Property at Troutfly Lake exposes mainly pillowed and massive metabasalts, including those containing varioles and feldspar phenocrysts, spherulitic tuffs, and numerous subvolcanic metadiabase and metadiorite sills that are slightly discordant to the volcanic stratigraphy. The S_1 foliation is prominent, commonly moderately to gently dipping, and conspicuously folded about gently southwest-plunging F_2 monoforms. It is crosscut by a second S_2 fracture cleavage, which strikes about 030° , dips steeply, and is axial planar to the F_2 folds. The regional calcite-magnetite alteration is locally profuse in this region, particularly in very schistose rocks and in the lighter coloured metadiorite sills.

Auriferous mineralization occurs in fine-grained metadiorite, where it has been fractured and pyritized, at the expense of magnetite, commonly in the presence of quartz veins. The quartz veins (Figure 012.4) strike mainly about 260° , clockwise to the S_2 foliation, and dip moderately north, with subordinate cross veins striking about 030° , parallel to F_2 axial planes and S_2 cleavage. The most auriferous rocks are pink or buff on fresh surfaces, due to iron-rich carbonate, albite, and pyrite alteration, contrasting with the light grey colour of the same rock type away from mineralization. The veining which accompanies the disseminated pyrite and pink alteration on surface is located in F_2 hinge zones (see cross section, Figure 012.4). A similar structural setting was found for surface sulphide mineralization and profuse fracturing and veining of metadiorite or metadiabase in a second, parallel horizon to the south-southwest of this discovery zone.

Near the southwest clearing, the metadiorite sill is chilled against mafic metavolcanic rocks which separate it from one of the mafic metadiabases, indicating that the metadiorite and metadiabase here are separate intrusions. The metadiabase continues along the southern side of the discovery zone through an island at the southern end of Troutfly Lake, where old trenches expose several quartz-carbonate veins. The veins are surrounded by a halo of highly calcified metadiabase containing galena and pyrite. This showing also shows gold potential in one of the more mafic sills."

ECONOMIC GEOLOGY - GENERAL

To-date, gold has been the principal resource of the mining activities in the area.

Aside from numerous prospects and showings, which contain pyrite, gold, disseminated copper and zinc, disseminated nickel-copper, molybdenum, zinc, lead and silver, uranium, iron, cesium-lithium-tantalum, in a variety of geological environments, only the two more important ones are listed.

- 1) Goldlund Mines Limited was the only producer until recently, with estimated reserves of 600,000 tons to the 800 - foot level grading .20 oz/ton of gold.

- ** 2) Camreco Inc., which changed its name in 1981 from Windfall Oils and Mines Limited (formerly Windward Gold Mines Limited) holds a claimgroup adjoining the Goldlunds property to the southwest, which contained probable reserves of 150,120 tons @ .30 oz/ton of gold. Subsequent drilling in late 1984 has increased these reserves.

Blackburn and Janes (1983) summarize Chisholm's descriptions of gold occurrences under 4 groups:

- 1) Quartz and carbonate fissure veins and stockworks in lavas, tuffs, agglomerates and intrusive rock types.

** Note: In December 1986, Camreco Inc. acquired all Goldlund holdings.

Economic Geology cont'd

- 2) Crossfractures in lavas, tuff and intrusive rock-types. Goldlund and Camreco fall into this category and details are provided under "Discussion".
- 3) Carbonate replacement zones in mafic volcanic and sedimentary rocks.
- 4) Silicified shear zones in tuff and lavas.

DISCUSSION

In order to search for Goldlund type gold mineralization the following Goldlund characteristics ought to be taken into consideration.

- 1) Host Rocks: albite trondhemite (locally termed the "main dike" or "Goldlund granodiorite" or the "Goldlund sill").
- 2) Quartz Veining: Tensional veins of quartz and usually containing an associated band of bleached rock in the immediate adjacent trondhemite. At Goldlund the veins are generally quite straight, strike consistently N-S to N20°E and dip 40° to 60° to the west.

Froberg (in Page, 1984) states that: *"individual veins vary in width from fractions of an inch to about one foot; they have the appearance of fracture filling and furthermore A characteristic fracture of the transverse veins is their arrangements in short cluster or in patterns continuing for hundreds of feet."*

- 3) Alteration: Quartz veins at the Goldlund zone are generally marked by the occurrence of bleached wallrock trondhemite. According to Froberg (Page, 1984) the altered wallrock consist of

Discussion cont'd.

newly introduced albite, carbonate, magnetite, ilmenite and varying amounts of finely crystallized pyrite. The final alteration product consists of more than 50% albite, with the aforementioned minerals making up the balance.

Froberg (in Page, 1984) observed that the degree of alteration is no safe criterion in judging the gold content of the veins: veins in intensely altered granodiorite have been found to contain little gold whereas quartz stringers with little or no wallrock alteration carried considerable possible gold.

- 4) Mineralization: Major constituents of the veins proper are quartz, ankeritic carbonate and pyrite. Minerals occurring in minor amounts to trace amounts include, according to Froberg (Page, 1984), actinolite, biotite, tourmaline, scheelite, with metallic constituents including sphalerite, chalcopyrite, galena, altaite, petzite, ilmenite and native gold. Pyrite occurs as coarse cubic crystals and as fine grained disseminations.

Discussion cont'd.

Based on investigations of the Newlund Mine (Goldlund) deposits Page (1984) suggests that THE ONLY DEFINITIVE INDICATOR OF HIGHER GRADE GOLDVALUES IS THE EXISTENCE OF LATE FRACTURING OF THE EARLY VEIN MATERIAL.

This had been observed by Kuryliw in 1980, who observed that visible gold is commonly associated with later grey or white quartz introduced in the refractured veins and adjacent wallrock.

THE 1987 PROGRAMME.

As a result of the two auriferous intersections obtained in drillhole 86-4, which averaged .75 oz/ton Au (uncut) over 3.8 feet corelength, a follow-up exploration programme was planned in late May 1987.

This programme consisted of limited bulldozing, linecutting, VLF/Magnetometer surveys, some reconnaissance geology and diamond drilling.

A two-day bulldozing effort took place on June 29 and June 30, 1987 and centred in the area of the granodiorite west of the southernmost bay of Troutfly Lake, near the 1986 drilling and herewithin referred to as the "N° 1" granodiorite, and in an area some 2400 feet southwest of this bay, where Billiton (1984) had indicated the presence of a second granodiorite zone - "N° 2".

Bulldozing near this second zone failed to expose the granodiorite due to topography (swamp and steep hillsides), but uncovered a large quartz vein system in the swamp, carrying galena and pyrite in blebs and disseminations with an odd speck of chalcopyrite: this quartz vein system was subsequently traced on surface for some 1600 feet in southwesterly direction.

For bulldozed areas, see map in backpocket.

Immediately following the bulldozing, a drill moved in and commenced drilling north of the N° 1 granodiorite, in an attempt to intersect as many shallowly north-dipping quartz veins as possible.

As drilling got underway, linecutting started in the same general area to accommodate the drill for the next 4 holes: as such, the initial gridcutting covered a "mini-grid", extending from 0.00 at Troutfly Lake to 8.00W, with picketlines every 200 feet, extending, where possible, 1000 feet north and south of the baseline, which runs at 50° magnetic.

After the drilling of M87-4, linecutting resumed and the grid was extended to 52.00W with picketlines every 200 feet and length of picketlines 1000 feet north and south of baseline.

On November 2nd, 1987, the last hole, M-87-8 was shut down and the drill moved to the Camreco minesite.

The 1987 programme cont'd.

GENERAL INFORMATION:

Programme responsibility: Norontex Exploration Ltd. - Dryden

- 1) Linecutting: Breezeway Exploration Inc., D.Breeze, 1234 Downing Street
Winnipeg.
- 2) Bulldozing: Hutchinson Contractors - Dryden; equipment - Cat D-9
- 3) Ground geophysical work: Operators: a) Breezeway Exploration Inc.
b) Norontex Exploration Ltd.
Instrument: I.G.S. Scintrex - with base station.
- 4) Diamond Drilling: Ed Fontaine Diamond Drilling Ltd. Kenora
core size: B.Q.
number of holes: 8
total footage: 2490 feet
- 5) Assaying: Custom Fire Assaying, Paul Okanski - Cochenour/Red Lake
sample amount: one half assay ton.
number of samples: 155.
- 6) Corelogging: Langelaar & van Enk, Norontex Exploration Ltd.
L.Jones, B.Sc Geology, Waterloo. Graduated 1985.
Work experience L.Jones:
Kerr Addison - summer 1985; mapping N.Quebec
Geocanex - summer 1986; Pickle Lake area, N.W.Ontario
geology, geochemistry, diamond drill supervision
Prospectors Of Canada - summer 1987; mapping Mine Centre area.
Gallo Exploration Services - summer 1987; mapping

GROUND GEOPHYSICAL SURVEYS.

The ground geophysical surveys are covered in detail by R. van Enk's report, dated December 8, 1987, entitled "Camreco Inc, Mistango option, N.W.Ontario, combined Magnetometer / VLF survey!"

For the purpose of this report, it suffices to reiterate his conclusions in which it is stated that "four magnetic anomalous trends were outlined which are associated with bands of granodiorite outcrop. The survey was not successful in the detection of bedrock conductors important to the exploration for gold on the property!"

DIAMOND DRILLING.

A total of 2490 feet of BQ-size core was drilled in 8 holes; total number of samples is 155. The core is stored in metal racks north of the main office building at the Camreco mine site amidst primarily Goldlund underground drill core: the rack is identified as "Mistango".
For location of drillholes, see map in backpocket.

Diamond drill hole M87-1 was drilled at 50°, grid south at 0.00 picketline, 1.73 N, in an attempt to intersect as many shallowly dipping quartz veins in the granodiorite, some 60 to 80 feet south of the collar.
This hole never reached the granodiorite, due to the fact that the granodiorite apparently dips less than 45° to the south. M 87-1 was stopped at 407 feet, after intersecting predominantly spherulitic (variolitic?) lavas within dacites, rhyo-dacites and rhyolites.

Diamond drill hole M87-2, drilled at 70°, grid north, at 0.81S and 0.22W collared in the granodiorite, which is locally silicified and displays the characteristic "Goldlund" bleaching away from the quartz veins; pink alteration is present.

The amount of pyrite is generally less than 2%. The rocks are moderately to weak to non-magnetic. A total of 23 samples were taken, 21 returning "trace", whereas two samples assayed .06 oz/ton Au over 2 feet (72.0 - 74.0) and .08 oz/ton Au over 1.5 feet. (93.0 - 94.5)

Diamond drill hole M87-3, drilled at 65° grid north, at 6.80W and 1.27S, was drilled in an attempt to confirm and expand the gold values, obtained in Kuryliw's 1986 drilling, at a deeper level.

This hole intersected two granodiorite zones between 82.5 feet and 202 feet with locally variable silicification, bleaching and pink alteration; overall pyrite less than 2%. A total of 21 samples were taken, of which one returned a .06 oz/ton Au over 2 feet (102.9 - 104.9), the balance assayed "trace"

Diamond drilling cont'd.

Diamond drill hole M87-4, drilled at 10.00W and 1.70S at 65°, grid north, was drilled to intersect the westward extensions of the two granodiorite zones, intersected in M87-3. Eventhough minor alteration and minor quartz veining was encountered, assay results of the samples taken in the granodiorite were all "trace".

Diamond drill hole M87-5, set up at 22.91W and 10.27S and drilled at 45° to the north, intersected two zones of a variable granodiorite between 219.0 and 261.0 and 279.0 and 307.0; assay results of samples taken, all returned "trace".

This hole did NOT intersect the rather prominent quartz vein system, as exposed on surface by bulldozer; this quartz vein system may locally reach width of up to 6 feet, carrying big "blebby" pyrite in places, with galena and minor chalcopyrite. Reconnaissance samples taken from the quartz vein all assayed "trace" for gold.

It is surmised that the quartz vein peters out at depth, as several of the following holes did not intersect the vein either.

Diamond drill hole M87-6, collared at 28.00W and 9.20S, drilled at 45° grid north, intersected finegrained granodiorite between 187.4 and 234.0 with only minor narrow quartz veinlets.

All granodiorite samples assayed "trace" for gold.

Diamond drill hole M87-7, at 34.00W and 7.65S, drilled at 45° to grid north, intersected two zones of granodiorite, between ±102.6 and 124.3 and 183.0 and 213.0; there is virtually no wallrock alteration.

Some bleaching occurs near quartz veins in the first intersected zone, whereas the second zone displays a highly silicious section from 193.0 - 201.0, with some coarse pyrite.

Extensive sampling in both zones returned "trace" for gold. This hole was stopped in unaltered granodiorite, with no quartz veins.

Diamond drilling cont'd.

Diamond drill hole M87-8, collared at 36.00W and 1.70S. at 50° grid north, was drilled to test the west extension of the N° 1 granodiorite, which off and on outcrops on or just north of the baseline and which is rather prominent on line 36.00W.

This hole intersected the granodiorite between 15.8 and 66.5 feet, indicating a very shallowly south-dipping granodiorite: probably less than 35°!

The granodiorite is generally non- to weakly altered, with minor quartz veins and minor carbonatization; only between 48.3 and 50.2 does strong alteration with strong pyritization (10%) occur. All samples returned "trace" for gold.

CONCLUSIONS AND RECOMMENDATIONS.

The 1987, eight-hole drill programme failed to establish any auriferous zone(s) of economic importance on the Mistango claimgroup, located in the Laval township, N.W.Ontario.

The gold values obtained in drillhole M87-2 are anomalous (.06 and .08 oz/ton Au), as are the values obtained in Kuryliw's drilling in 1986. However, the drilling has not established any continuity and the findings todate suggest that the sporadic gold values which occur in the granodiorite on the Mistango ground are an exception, as much so as the sighting of v.g. in the drillcore from the former Eaglelund showing, some 5 miles northeast of the Camreco mine site, immediately west of highway 72. (Assessment files Tarbush Lode Mining Limited, 1985)

It is recommended that presently no further work be conducted on the 88 Mistango claims, which during September 1987 have been transferred to Camreco Inc.

The claimgroup should be reduced to such a number that all granodiorite dikes or zones are covered "in situ" and on strike and that 200 days can be applied to these remaining claims.

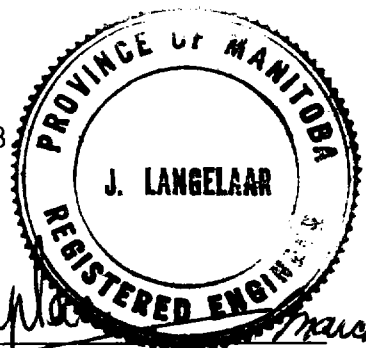
This will protect the reduced property for the next five years, PROVIDING THAT TIME EXTENSIONS are applied FOR EACH CONSECUTIVE YEAR, PRIOR TO THE ANNIVERSARY DATE and a LEGAL SURVEY of these claims IS DONE IN YEAR 5! The 5-year period will provide ample time to observe and act on any new developments in the general area!

CERTIFICATE OF QUALIFICATIONS.

I, Joop Langelaar, of the Town of Dryden, in the Province of Ontario do hereby certify that:

- 1) I am a consulting geologist and reside at 3 Bedworth Road, Dryden Ontario.
- 2) I am a Professional Engineer in the Province of Manitoba.
- 3) I am a graduate of the State University of Utrecht, The Netherlands, and hold a Bachelor of Science degree and a Master of Science Degree in Geology and Sedimentology.
- 4) I have been practising my profession as a Geologist since 1966. For a period of 16 years I worked nationally and internationally for a major Canadian Mining Company: during the last 6 years as Manager of Exploration.
- 5) Since 1978, I own 300 shares of Goldlund Mines; I do not expect to receive, either directly or indirectly any interest in the securities of Mistango Consolidated Resources Limited and or Camreco Inc.
- 6) The accompanying report is based on personal involvement in the 1987 exploration programme.

Dated at Dryden, Ontario, this 9th Day of March, 1988.



Langelaar
J. Langelaar, M.Sc., P.Eng.

March 9, 1988

DIAMOND DRILL LOGS.

M 87 - 1 TO M 87 - 8 incl.

MISTANGO CONSOLIDATED RESOURCES LTD.

Diptest @ 210' - 47°
Diptest @ 324' - 46°

PROPERTY Mistango
DRILLED BY Ed Fontaine Drilling
LOGGED BY Langelaar

CLAIM NO. 645074
DAY STARTED August 3/87
DAY COMPL. August 14/87

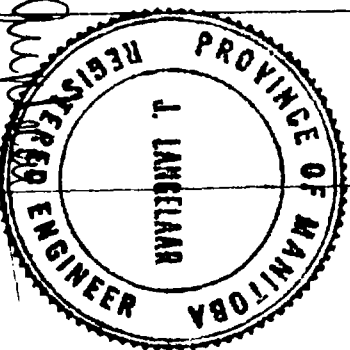
BEARING 145°
ANGLE 50°
NTS 52F

LAT. 1+73N
DEP. 0
ELEV. _____

HOLE NO. M-87-1
TOTAL DEPTH 407'
PAGE NO. 1

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
FROM	TO					
0	5.0	Casing				
5.0	19.3	Rhyolite flow; fine grained, conchoid. break, dark grey				
19.3	23.9	Variolitic lava; well developed spherulites; two 1/2" qtz vns near 22.0'				
23.9	29.8	Rhyolite				
29.8	56.4	Predom Mar. variolitic lavas with some rhyolite "interbeds"; locally considerable quartz flooding-quartz veins & veinlets in the variolitic sections; odd specks of Py and minor Po overall less than 1% minor tourmaline and chlorite "schlieren". Vario' lava=magnetic; substantial qtz flooding (silicification) and carb. devel. over last 2'				
56.4	72.0	Rhyolite-rhyodac flow; odd 1/2"-3/4" qtz carb veins @ 45° to core; odd minor specks & cubes of Py.				
72.0	80.0	Variolitic lavas; bottom ctc irregular at 5-10° to sub parallel to core over 2 1/2'. quartz flooding at 77'; minor brecciation, odd tourmaline				
80.0	93.5	Predom rhyo-dacite; fine grained dark grey. May contain minor variolitic lava interbeds.				
93.5	119.0	Alternating flows of variolite lavas and rhyolitic to rhyo-dacite material; whole interval weak-moderately magnetic. Odd specks of Py; no quartz veins, but odd 1mm carb veinlet. No distinct core angles. Badly broken core @ 98.6 over 4": minor shear(?)				

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[Signature]
Oct 1, 1987

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to					
119.0	123.8	Variolitic lava, Top contact sub parallel to 5° to core. Bottom contact transitional into next unit of moderately magnetic rhyo dacite (fine grained, dark grey)				
123.8	158.0	Variolitic lavas; variolites entirely to poorly developed; First 3-4' rhyodacite; bottom ctc transitional at 142 transitional into 4" of rhyodacite. Alignment of varioles @ 25P to core @ 140.4; Epidotization @ 151 over one foot may contain minor shear @ 127' over 2'				
158.0	234.0	Variolitic lavas; well develop var ioles, moderate-strongly magnetic; finely dissim. magnetite observed. May contain 1-2' section of rhyodacite near 195 but contacts are hard to pinpoint. No pyrite or pyrrhotite observed.				
234.0	281.0	Predom. variolitic lava contains rhyolite interval near 257 for at least 3-4 feet. Badly broken core @ 257 over 1'; @262 over ½' and @ 271 over ½'. Odd speck and minor streaklet of Py near 269 overall less than 1%. Broken pieces of core show hematite staining along fractures; some small sections could be rhyo-dacite.				
281.0	291.2	Variable intermittent flows -rhyodacites-dacites with variolitic intervals; weak schistosity @ 30° @ 284'				
291.2	297.8	Odd Qtz carb vns and veinlets at 45° to core. Predom variolitic lava; odd qtz carb/granodiorite stringlets with up to 3% Py, thickness less than 3mm.				
297.8	301.0	Mix of rhyolitic intervals with quartz and qtz carb vns and veinlets, some brecciated and minor variolitic	R9701	3.2	tr	

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE	
from	to						
con't	301.0	Lavas; Py up to 6% in qtz vns only. Quartz is of granular type. qtz veins @ 30° to 45° to core. Rhyolites and variolitic lavas; overall more variolitic lavas. Odd speck of Py, much less than 1%. Rhyolites-rhyodacites; contains few bands and stringlets of apatite and weakly Py (dissiminated) up to 3% at 339.2. Odd Py stringer with odd speck of Cp Mix of rhyolites and variolitic lavas occ qtz stringlet with minor apatite; 1 <i>epidote</i> stringer @ 361.8. Odd fairly dissiminated speck of Py. Predom. rhyolites with minor variolitic lava; 1/2" <i>epidote</i> veinlet near 387.4; Last foot contains 3" of white qtz vns @ 30° with some tourmaline; no mineralization. (1 speck of Py)					
	310.0						
	349.5						
	352.0			R9702	2.5	.01	
	352.0						
	387.0						
	387.0						
	407.0						
END OF HOLE							

MISTANGO CONSOLIDATED RESOURCES LTD.

Dip test @ 140' 64°

PROPERTY Mistango
 DRILLED BY Ed Fontaine Drilling
 LOGGED BY Langejaar

CLAIM NO. 8a 645075
 DAY STARTED August 17/87
 DAY COMPL. August 22/87

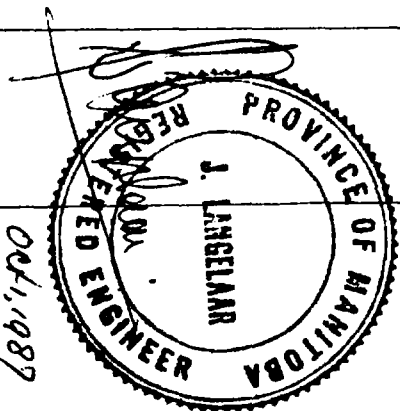
BEARING 320° mag
 ANGLE -70°
 NTS _____

LAT. .81S
 DEP. .22W
 ELEV. _____

HOLE NO. M 87-2
 TOTAL DEPTH 184'
 PAGE NO. 1

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
FROM	TO					
0	3.0	Casing				
3.0	52.8	Granodiorite, greyish, med to coarse grained: Mottled appearance/no distinct grains. Very few quartz and quartz carb fractures-ranging from 2mm to 25mm the far quartz veinlets cut core @ 22° to 25°; very little pyrite. Hole starts off with 1 1/2" q. v. Minor reddish discoloration near hairline fractures. (hematite?) Odd speck of Py mod.-strongly magnetic; Badly broken core @ 43.2 over 8'. 3.0 to 4.0 1 1/2" q.v. vein, check sample. Granodiorite; substantial increase in silicification and moderate "bleaching"; generally pinkish colouration near qtzvns and veinlets-feldspathization? and carb development. overall increase in Py content, but overall less than 2-3%; Specks and cubes, plus odd stringers quartz veins range from few mm to 25mm and often contain tourmaline. Variable intensity of silicification as noted below; this interval is moderate to strongly magnetic. Granodiorite. Intense silicification and bleaching; several 2mm qtz vns @ 45° to core. Odd Py; magnetic Granodiorite, very little silicification, mod. magnetic Granodiorite; Intense silicification and carb and feldspathization qv @ 25° to core; width 5mm to 10mm Py in cubes and specks; mag.	R9703	1.0	tr	
52.8	54.4					
54.4	56.0					
56.0	58.0					

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FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz./tch	AVERAGE
from	to					
58.0	61.0	As above, magn. coarse cubes near end Py up to 3% odd speck Cp	R9707	3.0	tr	
61.0	63.0	Granodiorite, very little silicification and carb	R9708	2.0	tr	
63.0	65.0	Granodiorite, intense silic and carb, cube Py and 1½" qv and feldspathiz (red colouration)	R9709	2.0	tr	
65.0	66.5	Granodiorite, virtually no silicif, odd Py	R9710	1.5	tr	
66.5	69.0	Granodiorite, strong silicif + carb + reddish/pink Py in cubes less than 1%, Mag	R9711	2.5	tr	
69.0	71.0	Granodiorite, very strong feldspath. + silic; tourmaline, mag q. vns. brecciation and Py in specks and cubes less than 2% "looks good"	R9712	2.0	tr	
71.0	72.0	Granodiorite, no silic, no fidspar. mag; odd Py	R9713	1.0	tr	
72.0	74.0	Granodiorite, intense silic-feldsp. Py less than 2% "looks good"	R9714	2.0	.06	
74.0	76.0	Granodiorite, little silic., odd Py, mag	R9715	2.0	tr	
76.0	78.0	Granodiorite, Very little alteration mag, odd Py	R9716	2.0	tr	
78.0	80.0	Granodiorite, as above, 2 veinlets @ 28° to core	R9717	2.0	tr	
80.0	82.0	Granodiorite, as above, 1 qtz vlnet (4mm) weak-mod mag	R9718	2.0	tr	
82.0	84.0	Granodiorite, slight increase in alteration and feldspar				
84.0	93.0	2 qtz veinlets (5mm) and tourmaline and odd Py	R9719	2.0	tr	
		Granodiorite, weak-mod magnetic; except for 1 1½mm veinlet, no silicif, no carb or feldsp. odd speck Py much less than 1%				
93.0	94.5	Granodiorite, 1" qtz vn @26°, tourmaline odd cube of Py				
		check sample	R9720	1.5	.08	
94.5	99.5	Granodiorite, no silic, no alteration, magnetic				
99.5	102.0	Granodiorite, moderate, silicif, min feldspath.	R9721	2.5	tr	
		1 discrete qtz vlnet @ 5mm; carb? odd Py less than 1%				

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HOLE NO. M 87-2

PAGE NO. 3

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/tcn	AVERAGE
from	to					
con't	102.0	check sample, mat. tends to become somewhat lighter grey and coarser grained deeper into the hole.				
102.0	114.0	Granodiorite, weak to mod. altered; odd speck of Py locally silicific, over several inches but no discrete qtz vns other than at 105.5				
114.0	116.0	Granodiorite, as above; Py less than 1% check sample	R9722	2.0	tr	
116.0	118.0	Granodiorite, slight increase in silicif, no discrete qtz vns; slight increase in Py, less than 2%	R9723	2.0	tr	
118.0	119.5	Granodiorite, some patches with intense silicific only one 2mm qtz vnet Py 1-2%	R9724	1.5	tr	
119.5	136.0	At 119.5 2mm quartz vn marks boundary between silicified granodiorite magnetite and diorite (dolerite) = now magnetic, this diorite is somewhat foliated with angles @ 70-80° to core-1 cm qtz @ 133.4-non magnetic				
136.0	137.5	Somewhat foliated diorite; contains 12mm wide qtz vn; no silicif, carb or feldsp, odd speck of Py less than 1%; non magnetic	R9725	1.5	tr	
137.5	145.0	Fine grained diorite; weakly magnetic; odd barren qtz vn				
145.0	169.0	Variable mafic meta volcanics; predom. tuffs (var. in fragment size) may contain minor flows. Weakly magnetic				
169.0	184.0	Predominantly variolitic lava (mine terminology "spotted dog") Odd ½" qtz vn. Virtually no mineralization.				

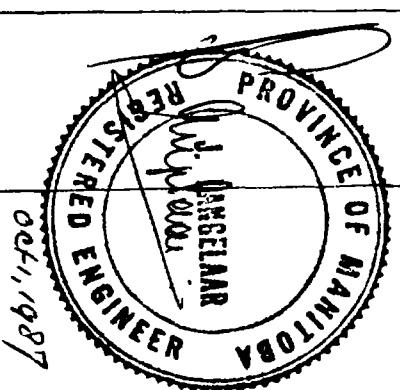
END OF HOLE

MISTANGO CONSOLIDATED RESOURCES LTD.

PROPERTY Mistango CLAIM NO. 639104 BEARING 320° LAT. 1+27S HOLE NO. M 87-3
 DRILLED BY Ed Fontaine Drilling DAY STARTED Aug 23/87 ANGLE -65° DEP. 6+80W TOTAL DEPTH 257'
 LOGGED BY Langejaar & van Enk DAY COMPL. Aug. 27/87 NTS _____ ELEV. _____ PAGE NO. 1

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
FROM	TO					
0	7.0	Casing				
7.0	18.0	Mafic meta volc; tuffs				
18.0	19.3	Grey-white qtz vn. top cta @ 45° odd Py at fracture planes; mod magnetic	R9726	1.3	tr	
19.3	20.3	Mafic volc., moderately magnetic; no Py	R9727	1.0	tr	
20.3	22.6	White qtz vn + grey silicifica't area(all grey qtz) odd Py less than 1% some coarse - minor pyrrhotite	R9728	2.3	tr	
22.6	27.7	Mafic meta volc, med tuffs; At 24.3 3/4" qtz vn; locally euhedral, magn grains--strongly magnetic				
27.7	29.5	Var. mafic tuffs with contorted sed? bands, which are Py rich; core angles ±55°	R9729	1.8	tr	
29.5	48.2	Pred. mafic volcanics at 32 section of euhedral. magnetic over 2.2' @ 3-5%				
48.2	82.5	Fine grained diorite-granodiorite; weak-moderately magnetic, virtually no alteration! locally slightly altered				
82.5	104.9	Granodiorite, grey, slightly to moderately altered with locally dissim. Py; lower portion of section magnetic 83.9 - 85.1 strong pink alteration several chloride qtz vns (up to 1") with Py diss. at high core angles. 85.1 - 86.8 as above but less alt and qtz vns. 83.1 - 95.0 as 83.9-85.1	R9730 R9731 R9732	1.2 1.7 1.9	tr tr tr	
		102.9 - 104.9 strong silicification (grey) with dissim. Py (1-2%)	R9733	2.0	0.06	

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FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to					
104.9	110.0	Diorite; dark green; fine grained, slightly foliated; slightly magnetic.				
110.0	138.0	Granodiorite; grey green; fine to medium grained; locally foliated no alteration except from 112.0 to 113.0; strong silicif. and q. v.'s with some Py; section slightly to moderately magnetic.	R9734	1.0	tr	
138.0	172.8	Granodiorite; as above but locally strongly silicified and silica flooded; fine Py disseminations (up to 2%) and locally small Py pods; 138.0 to 140.3 silic. narrow q.v. and Py seams. 149.5 to 153.1 strong silic; Py diss + small pods (less than 2%) 161.3 to 162.5 silic; irregular qtz vein and Py pods 167.3 to 167.8 white glassy quartz 170.0 to 172.8 silic.; some diss. Py and qtz veins (less than 1") at c. a. of 45°	R9735 R9736 R9745 R9746 R9737	2.3 3.6 1.2 0.05 2.8	tr tr tr tr tr	
172.8	190.3	Granodiorite; weakly to strongly altered; locally with pink alteration, qtz flooding and stringers and Py pods, moderately magnetic, strongly altered section seems less magnetic. 172.8 to 174.7 slightly altered few qtz stringers 174.7 to 175.9 strong alteration; pink silicification qtz stringers; less than 1% Py 175.9 to 180.4 weakly to moderately altered, few white qtz stringers at various c.a. 180.4 to 182.6 moderate to strong alteration, Py seams, qtz stringers (½" to 1") at core angles greater than 45°	R9238 R9239 R9240 R9241	1.9 1.2 4.5 2.2	tr tr tr tr	

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to					
cont	190.3	182.6 to 186.5 strong alteration locally pink, Py pods overall Py 2%	R9242	3.9	tr	
		186.5 to 188 weakly to moderately silicified with few Py pods and seams	R9243	1.5	tr	
		188.0 to 190.3 weakly altered	R9244	2.3	tr	
190.3	202.0	Granodiorite; unaltered				
202.0	208.5	Mafic tuff; fine grained; green; moderately to strongly foliated at core angle of 35°; Angle of contact with granodiorite about 25° to 30°, foliation decreasing with increasing depth, weakly magnetic				
208.5	239.6	Tuffs; grey to dark green; locally variolitic; upper portion strongly foliated and metamorphosed into amphibolite facies; locally lamprophyric appearance becoming aphanitic and less variolitic towards bottom of section; foliation at 60° to 65° c.a. slightly to moderately magnetic				
239.6	252.8	Mafic tuff; dark green; medium to coarse grained locally gabbroic appearance.				
252.8	257.0	Mafic tuff; as 202.0 to 208.5.				
E N D O F H O L E						

MISTANGO CONSOLIDATED RESOURCES LTD.

Dip test @ 400.0' - 61°

PROPERTY Troutfly Lake
 DRILLED BY ED Fontaine Drilling
 LOGGED BY van Enk

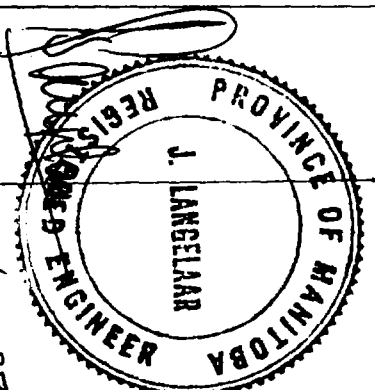
CLAIM NO. 639103 BEARING 320°
 DAY STARTED Aug 31, 1987 ANGLE -65°
 DAY COMPL. Sept 5, 1987 NTS

LAT. ±1+70S
 DEP. 10+00M
 ELEV. _____

HOLE NO. M 87-4
 TOTAL DEPTH 400.0'
 PAGE NO. 1

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
FROM	TO					
0	2.0	Overburden, casing				
2.0	61.5	Granodiorite; green; fine to medium grained; metamorphosed in higher green schist to lower amphibolite facies; section moderately foliated at core angles 60° to 70°; moderately magnetic; amphibolitic/biotitic sections from 17.0 to 18.5; 24.0 to 29.0; 41.0 to 43.0 to 57.0; these sections are associated with silicification carbonatization and local sulphide enrichment. 17.0 to 18.5 silic., carb. few irregular Py stringers 24.0 to 26.0 biotitic; 1-2% Py diss and small pods; strongly silic. from 25.0 to 25.5. 26.0 to 28.6 as 24.0 to 26.0 only few narrow qtz veinlets at high core angles. 40.6 to 42.6 strong amphibolite/biotite alteration; 41.8 to 42.0 strong silic. and carb. Py and Po pods up to 1" dia. 52.0 to 54.8 amphibolite facies local carb. and silic 1-2% Py gradual transition to next section. Gabbro; green to dark green; medium to coarse grained; becoming strongly foliated towards bottom of section; foliation at core angle of 70° to 80° 88.8 to 90.8 amphibolite meta morphism and strong qtz-carb alteration; qtz stringers at core angle of 40°	R9747 R9748 R9749 R9750 R9751 R9752	1.5 2.0 2.6 2.0 2.8 2.0	tr tr tr tr tr 0.01	
61.5	92.5					

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FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to					
92.5	109.7	Andesitic tuff; green very fine grained slightly magnetic.				
109.7	112.8	Granodiorite; grey-green; very fine grained lower portion with diss. magnetite.				
112.8	131.0	Andesitic tuff; very fine grained; grey green; locally coarser bands; moderately to strongly foliated at core angle of 40° to 50°. upper portion contains diss. magnetite (2 to 3%); remainder weakly magnetic; transition to next section gradual.				
131.0	203.0	Granodiorite; grey green; fine-grained; weakly to moderately magnetic weakly and locally moderately to strongly foliated to core angles of about 60°				
		170.8 to 193.6 moderately to strongly altered some, mainly silicified and qtz flooded with locally thin (½") qtz stringers; Py enriched (1-2%); carbonate only in a few narrow stringers and small pods.				
		170.8 to 173.0 moderate alteration locally pink.	R9753	2.2	tr	
		173.9 to 175.6 as above	R9754	1.7	tr	
		175.6 to 178.6 weak-moderate alt.	R9755	3.0	tr	
		178.6 to 181.6 as above	R9756	3.0	tr	
		181.6 to 183.3 strong alteration, qtz flooding "good looking"	R9757	1.7	tr	
		183.3 to 186.0 weak-moderate alteration	R9758	2.7	tr	
		186.0 to 188.7 moderate alteration	R9759	2.7	tr	
		188.7 to 191.0 weak to moderate alteration	R9760	2.3	tr	
		191.0 to 193.6 as above	R9761	2.6	tr	
		201.3 to 202.3 weak alteration	R9762	1.0	tr	

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to					
203.0	227.0	Andesitic tuff; green; very fine grained 210.7 to 212.7 seams and pods of massive Py (overall 5%) foliated boundary with next section vague; locally thin irregular seams of Py.	R9763	2.0	tr	
227.0	251.1	Mafic tuff or Flow rock; grey and green; fine grained to aphanitic; with variolitic bands; flattened, at core angles of about 75°; moderately magnetic.				
251.1	252.2	Quartz vein; white glassy quartz	R9764	1.1	tr	
252.2	270.5	Andesitic tuff; green; fine locally coarse grained; upper portion variolitic 260.0 to 261.0 altered with 1" irregular qtz vein 264.8 to 266.2 irregular, white pod like glassy quartz vein gradual transition to next section.	R9765 R9766	1.0 1.4	tr tr	
270.5	293.7	Andesitic tuff; very fine grained; green; with numerous thin(less than 1/16"), carbonate seams at core angles of about 75° and few very thin Py seams. Calcite filled vacuoles				
293.7	308.7	Andesite(granodiorite); green; fine grained, massive				
308.7	328.0	Granodiorite; green; fine to medium grained, no alteration, moderately magnetic.				
328.0	337.2	Andesitic tuffs; as 270.5 to 293.7 but with less carbonate seams. (core angle 70 to 75°); several "granodiorite" sections				
337.2	400.0	Andesitic tuffs; as above but with 1% finely diss. Py and small hornblend(?) phenocrysts. 337.2 to 338.4 strong carbonate qtz alteration some Py increasing number of carbonate seams and bands from	R9767	1.2	tr	

FOOTAGE		FORMATION	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to					
cont	400.0	345' ; local biotite alteration/ amphibolite meta- morphism locally moderately to strongly foliated. Core angle veining and foliation varying from 75 to 60° ; generally decreasing towards bottom of section. E N D O F H O L E Hole drilled to intersect westward extensions of two "granodiorite" dykes intersected in M 87-3; projected intersection at about 150' and 250'.				

MISTANGO CONSOLIDATED RESOURCES LTD.

PROPERTY Mistango
 DRILLED BY Ed. Fontaine
 LOGGED BY L. Jones

CLAIM NO. 639105 BEARING 320°
 DAY STARTED Sept 18, 1987 ANGLE -45°
 DAY COMPL. Oct. 3, 1987 NTS

LAT. 10+27S DEP. 22+91W
 ELEV.

HOLE NO. M-87-5 TOTAL DEPTH 401.0'
 PAGE NO. 1

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
FROM	TO							
0	63.0	Overburden						
63.0	193.0	Andesite Tuff:						
		Green, usually medium grained, occasionally grades to fine grained; weak to moderate foliation at 40° to core axis; pervasive carbonate; trace pyrite in fine stringers and blebs; occasionally metamorphosed to amphibolite facies- eg. 78.0 to 88.0 essentially a feldspar-biotite-quartz schist; calcite stringers uncommon, usually 30-50° to core axis; commonly moderately magnetic.						
		-1-2% pyrite overall, also concentrated into one ½" zone is 20-35% pyrite.	76.9	77.9	9768R	1.0		tr
		-¼" quartz vein at 15° to core axis, 3-5% pyrite in blebs	99.6	100.6	9769R	1.0		tr
		-0.1' quartz vein, minor silicification, margins of vein brecciated	117.2	118.7	9770R	1.5		tr
		128.0 to 140.0 foliation shallows to 15° to core axis. 151.0 to 157.0 foliation shallows to parallel to core axis. 168.0 to 178.0 quartz-carbonate stringers perpendicular to core axis.						
193.0	204.7	Abundant carbonate and quartz-carbonate stringers up to ½" wide, often wispy, contorted; weakly magnetic patches erratically distributed.						
204.7	205.8	-0.2' wide quartz vein	204.7	205.8	9771R	1.1		tr

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FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to							
205.8	219.0	Andesitic Tuff; Intensely carbonatized; non magnetic, wavy to <u>kink</u> banded intervals. Contact with next interval of granodiorite is irregular and wavy. <u>Variable Granodiorite;</u>						
219.0	261.0	Variable as this interval may contain some sections of hybridized metvolcanics. Overall odd bleb of Py and minor Po. Very few 2 mm - 10 mm quartz veins no bleaching or alteration within host rock.. Check samples only. -granodiorite; odd speck of Po -same; odd Py and Po stringlet less than or equal to 1% -granodiorite; contains 10 mm quartz vein plus streaklets of Po and minor Py; quartz vein at 15° to core/contains tourmaline. -granodiorite; no quartz veins; trace Po and Py -granodiorite; minor quartz veinlets; patches of blue quartz -granodiorite; some what hybrid; odd veinlet; virtually no Po or Py -granodiorite; odd Py ; weak foliation at 50° to core -granodiorite; weak to moderately foliated <u>Variable Intermediate Tuffs-Flows;</u>	225.0 228.0 230.0	227.0 230.0 232.0	9772R 9773R 9774R	2.0 2.0 2.0	tr tr tr	
261.0	279.0	Tuffs have convoluted/contorted schistosity - KINK banding. Finely disseminated magnetite erratically scattered through interval. Occasional carbonate	233.0 238.0 243.0 248.0 259.0	236.0 240.0 246.0 251.0 261.0	9775R 9776R 9777R 9778R 9779R	3.0 2.0 3.0 3.0 2.0	tr tr tr tr tr	

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
From	To							
279.0	307.0	veining. Odd speck of Po and Py. Increase in Po content to 4% over last 2". <u>Variable Granodiorite:</u> Variable due to meta-volcanic inclusions or intervals; in most instances, hard to pinpoint contacts due to merging or gradational nature; silicification well developed. No quartz veins; little to no mineralization, except for first 5" at 279.0: Po stringers up to 6%; some meta volcanic intervals show kink banding. -check sample with overall Po at about 2-3% weak to moderately foliated at 40°. Strongly altered, foliated mafic tuff with minor pink (hematite) alteration, silicification and amphibolitization. Minor sedimentary interbeds (?) Odd speck of Py. -check sample Intermediate to Basic Flow; Light green - magnetic. <u>Predominantly Variolitic Lavas:</u> Contains minor silicified intervals. <u>Mafic Volcanics:</u> Abundant magnetite grains; odd carbonate veinlet. 2" quartz vein at 330.0; minor pink (hematite?) alteration/staining at 229.6. <u>Variolitic Lavas:</u> Minor sections silicified (?) or consisting of felsic material; could be "squeezed variolitic material"	279.0	282.0	9780R	3.0	tr	
319.0	320.5		310.0	313.0	9781R	3.0	tr	
320.5	327.4							
327.4	340.3							
340.1	357.0							

MISTANGO CONSOLIDATED RESOURCES LTD.

HOLE NO. M-87-5

PAGE NO. 4

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to							
con't	357.0	Odd ½" to 1" quartz carbonate vein with hematite staining; slight increase in fine pyrite within these odd veinlets. -check sample: well silicified minor pink alteration; odd speck of Py <u>Variable Intermediate to Felsic Tuffs;</u> Locally increased silicification (?) Odd quartz-carbonate veinlet with odd hematite staining. Virtually no Py or Po except for 3" near 367.0 minor Py streaklets and specks. Some intervals may be "squeezed variolitic lavas" Check sample. -few quartz carbonate veinlets; Py less than or equal to 1-2%	355.0	357.0	9782R	2.0	tr	
	357.0		365.0	367.0	9783R	2.0	tr	
E N D O F H O L E								
DIPTESTS								
	DEPTH	UNCORR	CORRECTED					
	200.0		45.0°					
	310.0		58.0°					

MISTANGO CONSOLIDATED RESOURCES LTD.

PROPERTY Mistango CLAIM NO. 5 639105 BEARING 320° LAT. 9+20 S. HOLE NO. M-87-6
 DRILLED BY Ed Fontaine DAY STARTED Oct 6, 1987 ANGLE -45° DEP. 28+00 W TOTAL DEPTH 293.0'
 LOGGED BY Langelaar DAY COMPL. Oct 15, 1987 NTS NTS ELEV. _____ PAGE NO. 1

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
FROM	TO							
0	29.0	Casing						
29.0	30.0	Boulder? Broken core - quartz vein rich granodiorite with specks and blebs of Py 2-3%	29.0	30.0	9784R	1.0	tr	
30.0	60.2	Rhyolite-Rhyodacite; Light grey, silicious quartz veining in first 3'. -odd speck of Py in this interval Throughout section odd scattered quartz veinlets less than or equal to 2-3 mm wide cutting core at 16°; odd stringer of Po and Py; weak to moderately magnetic. Bottom contact with next unit at 32°. -check sample	30.0	33.0	9785R	3.0	tr	
60.2	±106.0	Mafic to intermediate volcanics, andesites, dacites; Some intervals may be spherulitic lavas, not as coarse grained as in previous holes. Some intervals are diotite rich. Variable amounts of pyrite scattered throughout, in blebs, specks, or stringers. Moderate to very strongly magnetic. At 94.0 strongly sheared at 19° over 1-2', followed by 6" of heavily quartz carbonate material with coarse pyrite, some cubic; some Po: Check samples as follows: several quartz pods; spherulitic texture, Py variable in places 3-4%; overall 1-2% -spherulitic texture; Py overall 2% + -shear zone with quartz carbonate and Po, Py up to 8% over several inches.	54.0	56.0	9786R	2.0	tr	
			76.0	78.0	9787R	2.0	tr	
			83.0	85.0	9788R	2.0	tr	
			94.0	95.5	9789R	1.5	tr	

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FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to		FROM	TO				
con't	±106.0	-biotite rich, moderately foliated Py 1-2% Epidotization over 2" at 105.7. -interval with several 3-5 mm quartz veins, odd Py	95.5	98.0	9790R	2.5	tr	
±106.0	162.0	Near 106.0, rocks tend to become "gabbroic" in texture; no sharp contacts but all gradational. This interval contains a mix of gabbros and mafic volcanics all merging form one into another. Generally strongly magnetic, Epidotization well developed near 106.2, 108.3 with quartz carbonate over 2"; 111.1 and 152.0. At 117.0 1½" quartz vein at 34°; mineralization Py over Po, in places up to 2%, but overall less than 1%. Check samples as follows: -epidotized, quartz carbonate; Py, Po -sheared over 3" at 127.6 Py 2% -Py ± 2%; foliation at 35°	102.0	103.5	9791R	1.5	tr	
±162.0	187.4	<u>Heavily Carbonatized Mafic Volcanics;</u> Andesites strongly magnetic, in places with up to 6% fine grained magnetite. Top contact with preceding interval not distinct; bottom contact in at 65°. Fine grained granodiorite; first 4' transitional from preceding unit; followed by 3.5' of heavily contorted convoluted "flow banded" material with odd carbonate vein and veinlet; odd speck of Py plus odd stringer; only very minor quartz veining; generally restricted to veinlets 1-2 mm wide; as indicated below in samples -contorted/convoluted; odd carbonate -as above, odd Py	108.0	109.0	9792R	1.0	tr	
			127.5	129.5	9793R	2.0	tr	
			133.0	125.0	9794R	2.0	tr	
187.4	234.0		187.4	190.0	9795R	2.6	tr	
			190.0	193.0	9796R	3.0	tr	

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to							
con't	234.0	-minor convolutions; odd Py -odd "streaks" of Py less than or equal to 1% -granodiorite; magnetic; odd speck Py -granodiorite; several quartz veinlets, odd Py -foliated, odd carbonates -2" quartz and Py rich shear -check sample only; no Py -check sample, odd speck of Py	193.0 196.0 199.0 201.0 203.0 204.4 205.4 221.0	196.0 199.0 201.0 203.0 204.4 205.4 207.4 223.0	9797R 9798R 9799R 9800R 0258 0259 0260 0261	3.0 3.0 3.0 2.0 1.4 1.0 2.0 2.0	tr tr tr tr tr tr tr tr	
234.0	242.8	At 230.3 granodiorite grades into banded intermediate tuffs for about one foot--more granodiorite until 234.0. -check sample; at 233.0 minor hematite staining <u>Intermediate Tuffs;</u> Light green-grey; 3" quartz carbonate tourmaline vein at 242.5. <u>Spherulitic lavas;</u> Variable; some intervals heavily carbonatized and chloritized.	228.0	230.4	0262	2.4	tr	
242.8	254.3	Variable; some intervals heavily carbonatized and chloritized.						
254.3	261.0	Mafic, contorted, convoluted volcanics; carbonatized; minor silicification near 259.6 over 2"; virtually no Py; weakly magnetic., <u>Mafic Volcanics;</u> May contain sedimentary intervals-tuffaceous? - from 278.0 to 289.0. (bedded)						
261.0	293.0							

E N D O F H O L E

MISTANGO CONSOLIDATED RESOURCES LTD.

PROPERTY Mistango
 DRILLED BY Ed Fontaine Drilling
 LOGGED BY Langelaar

CLAIM NO. 645083
 DAY STARTED Oct 18, 1987
 DAY COMPL. Oct 23, 1987

BEARING 320°
 ANGLE -45°
 NTS _____

LAT. 7+65 S.
 DEP. 34+00 W
 ELEV. _____

HOLE NO. M-87-7
 TOTAL DEPTH 213.0'
 PAGE NO. 1

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
FROM	TO		FROM	TO				
0	9.0	Casing						
9.0	43.0	Gabbro; Medium to fine grained; moderately to strongly magnetic						
43.0	±55.1	Mafic Volcanics; Becomes very biotite rich during last 2.4'. Contains few quartz-carbonate stringers; weakly magnetic.						
±55.1	±79.0	Gabbro; Medium to coarse grained; very coarse after 62.0; a "hornblende porphyry" (?) with phenocryst up to 4 mm or a gabbro porphyry; bottom contact gradational.						
±79.0	88.2	Variable Mafic Tuffs; Core angles at 43° at 79.5 strongly magnetic.						
88.2	±102.6	Intermediate Felsic Tuff; Siliceous; sharp top contact but bottom contact gradational. At 94.0 and at 95.0 quartz patches and 2" quartz veins respectively. Core angles at 48°.						
±102.6	124.3	Granodiorite; Fine grained; moderately to strongly magnetic; only odd speck of Py here and there; minor quartz veining consisting of VEINLETS of 2-3 mm wide. NO "bleaching" or alteration except for 1' near 120.0' with strong silicification; following are check samples only: -odd stringlet of Py -odd quartz veinlet of 2 mm; Py less than or equal to 1%						
			112.0	114.0	0263	2.0		tr
			114.0	116.0	1264	2.0		tr

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FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to							
cont	124.3	-strong silicification, no distinct quartz vein odd speck of pyrite Bottom contact not sharp.	119.0	121.0	0265	2.0	tr	
124.3	183.0	<u>Variable Mafic Volcanics;</u> Mix of tufts, contorted and convoluted material, spherulitic lavas etc. etc. In most cases impossible to pin point contacts. May even contain minor sed. beds. Overall mineralization considerably less than 1% Py; variability in magnetics; some more magnetic, others strongly magnetic; Odd quartz and quartz- carbonate veining present; Check sample: -1" band of Py at 5% in spherulites	165.0	167.0	0266	2.0	tr	
183.0	213.0	<u>Granodiorite;</u> Between 193.0 and 201.0 highly siliceous sections - well bleached; quartz vein development rather sparse; minor pink (hematite) staining near 198.0. Overall pyrite less than or equal to 1%, some coarse and cubic Py; see individual samples: -odd veinlet; Py much less than 1%; no bleaching -few quartz carbonate veinlets; ½" quartz vein at 186.0; Py less than 1% -no quartz veins/veinlets, virtually no pyrite -as above, odd speck pyrite -well silicified, several quartz veinlets, one ½" vein "well bleached"; Pyrite 1-2% -strong silicification in first half foot; Py in disseminations and odd bleb, one ¼" quartz vein	183.0 186.0 188.0 191.0 193.0 195.0	186.0 188.0 191.0 193.0 195.0 197.0	0267 0268 0269 0270 0271 0272	3.0 2.0 3.0 2.0 2.0 2.0	tr tr tr tr tr tr	

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to							
con't	213.0	-well silicified, well altered pink staining, coarse Py; 1" quartz vein near 199.0; overall pyrite 1-2% -well silicified-altered interval; several ¼-½" quartz veins; some coarse blebby; Py overall 2% -very weakly altered, odd veinlet, odd pyrite -weakly to moderately altered granodiorite; odd veinlet, minor bleaching, slight increase in pyrite, overall 1-2% (best silicification at 204.5 over 5") -altered and bleached, several 1-2 mm quartz veins; odd speck pyrite -unaltered granodiorite; no veins or veinlets; sharp contact of altered/unaltered material at 206.5; pyrite less than 1% -unaltered granodiorite	197.0	199.0	0273	2.0	tr	
			199.0	201.0	0274	2.0	tr	
			201.0	203.0	0275	2.0	tr	
			203.0	205.0	0276	2.0	tr	
			205.0	206.5	0277	1.5	tr	
			206.5	209.0	0278	2.5	tr	
			209.0	213.0	0279	4.0	tr	

E N D O F H O L E
no dip tests

MISTANGO CONSOLIDATED RESOURCES LTD.

PROPERTY Mistango
 DRILLED BY Ed Fontaine Drilling
 LOGGED BY L. Jones

CLAIM NO. 639106
 DAY STARTED Oct 28, 1987
 DAY COMPL. Nov 2, 1987
 BEARING 320°
 ANGLE -50°
 NTS _____

LAT. 1+70 S.
 DEP. 36+00 W
 ELEV. _____
 HOLE NO. M-87-8
 TOTAL DEPTH 335.01
 PAGE NO. 1

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
FROM	TO							
0	10.8	Casing/Overburden						
10.8	15.8	Mafic Tuff;						
15.8	66.5	Medium green, fine to medium grained; foliated 55° to core axis. Granodiorite;						
		Medium grey, with occasional sections with green hue, probably due to assimilation of mafic xenoliths; weakly foliated 60° to core axis; weakly magnetic, minor sections weakly carbonatized.						
		-sample	15.8	18.0	0-280	2.2		tr
		"	18.0	21.0	0-281	3.0		tr
		-quartz vein	21.0	22.0	0-282	1.0		tr
		-sample	22.0	25.0	0-283	3.0		tr
		"	25.0	28.0	0-284	3.0		tr
		"	28.0	31.0	0-285	3.0		tr
		"	31.0	34.0	0-286	3.0		tr
		"	34.0	37.0	0-287	3.0		tr
		"	37.0	40.0	0-288	3.0		tr
		"	40.0	42.4	0-289	2.4		tr
		-medium green hue; partially assimilated xenolith	42.4	44.2	0-290	1.8		tr
		-sample	44.2	46.8	0-291	2.6		tr
		-1" quartz vein, 1" pink alteration zone	46.8	48.3	0-292	1.5		tr
		-strong potassic alteration zone with 10% coarse pyrite	48.3	50.2	0-293	1.9		tr
		-sample	50.2	52.3	0-294	2.1		tr

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FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz/ton	AVERAGE
from	to							
con't	66.5	Granodiorite (con't); -3" quartz vein, three ½" veins, all with potassic alteration halos and pyrite associated -1" moderate alteration, 1% pyrite -½" and 1" quartz veins -several quartz veins ¼" to 1"; potassic alteration, trace pyrite -weakly brecciated, 1" potassic alteration zone -granodiorite - mafic volcanic hybrid Mafic Tuff (?); Possible a sheared amygdaloidal flow; medium green, fine grained carbonate stringers common at 60-70° to core axis, parallel to foliation; ½" to 1 cm carbonate clots common, possibly relict amygdaloes. -two carbonate veins (1" and 2") trace pyrite Granodiorite; Medium grey, fine to medium grained; weakly foliated 65° to core axis; weak, pervasive carbonatization weakly magnetized; overall unit is homogeneous -check sample - " " - " " - " " Quartz-Feldspar Porphyry; Dark grey, fine grained matrix with 10 to 20% 1-3 mm quartz phenocrysts and 10-20% 1-5 mm feldspar phenocrysts. -check sample	52.3	54.7	0-295	2.4	tr	
			54.7	57.0	0-296	2.3	tr	
			57.0	59.0	0-297	2.0	tr	
			59.0	61.0	0-298	2.0	tr	
			61.0	64.0	0-299	3.0	tr	
			64.0	66.5	0-300	2.5	tr	
66.5	129.5		103.5	105.5	1951P	2.0	tr	
129.5	183.1		129.5	132.0	1952P	2.5	tr	
			149.0	152.0	1953P	3.0	tr	
			169.0	172.0	1954P	3.0	tr	
			180.1	183.1	1955P	3.0	tr	
183.1	187.7		183.1	185.8	1956P	2.7	tr	

MISTANGO CONSOLIDATED RESOURCES LTD.

HOLE NO. M-87-8

PAGE NO. 3

FOOTAGE		FORMATION	FROM	TO	SAMPLE NO.	WIDTH	GOLD oz./ton	AVERAGE
from	to							
187.7	275.0	<p><u>Mafic Tuff:</u> Medium green-grey, fine to medium grained, generally well foliated 65-55° to core axis; moderately magnetic, well carbonatized.</p> <p>-0.5' quartz-carbonate vein; trace pyrite -several 1" quartz-carbonate veins, trace pyrite -1-2% disseminated pyrite -2-3% disseminated pyrite -three ¼" pyrite stringers</p> <p><u>Andesitic Flows:</u> Medium green-grey, fine to medium grained, massive generally well carbonatized infrequent 5 mm patches of pyrite.</p> <p>-1" quartz vein at low angle to core axis -4" quartz vein 60° to core axis</p> <p style="text-align: center;">E N D O F H O L E</p>						
275.0	335.0							
			208.5	210.0	1957P	1.5	tr	
			218.2	221.0	1958P	2.8	tr	
			221.0	223.5	1959P	2.5	tr	
			223.5	225.3	1960P	1.8	tr	
			232.8	234.4	1961P	1.6	tr	
			294.6	296.8	1962P	2.2	tr	
			296.8	298.7	1963	1.9	tr	



Mining Act

Form header containing: Type of Surveyist (ASSAYING), Claim Holder (CAMRECO INC.), Address (Toronto - Ontario M5H 1V1), Survey Company (Norontex Exploration Ltd.), Date of Survey (Summer 1987), Total Miles of line Cut (n.a.), Township or Area (Laval TWP M-3370), and Prospector's Licence No. (T 4853).

Table with 3 columns: Special Provisions, Geophysical, Days per Claim. Rows include: For first survey (40 days), For each additional survey (20 days), Man Days (Complete reverse side), and Airborne Credits (Note: Special provisions credits do not apply).

Table with 4 columns: Mining Claim Prefix, Mining Claim Number, Expend. Days Cr., Mining Claim Prefix, Mining Claim Number, Expend. Days Cr. Lists claims K 972250 through 972237.

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Expenditures (excludes power stripping) Type of Work Performed: ASSAYING - 163 samples @ \$8.00 per sample. Performed on Claims: K 645074, 645075, 639105 and 639106. Calculation of Expenditure Days Credits: \$163 x 8.00 (1304) 15 = 86.9

Total number of mining claims covered by this report of work: 7

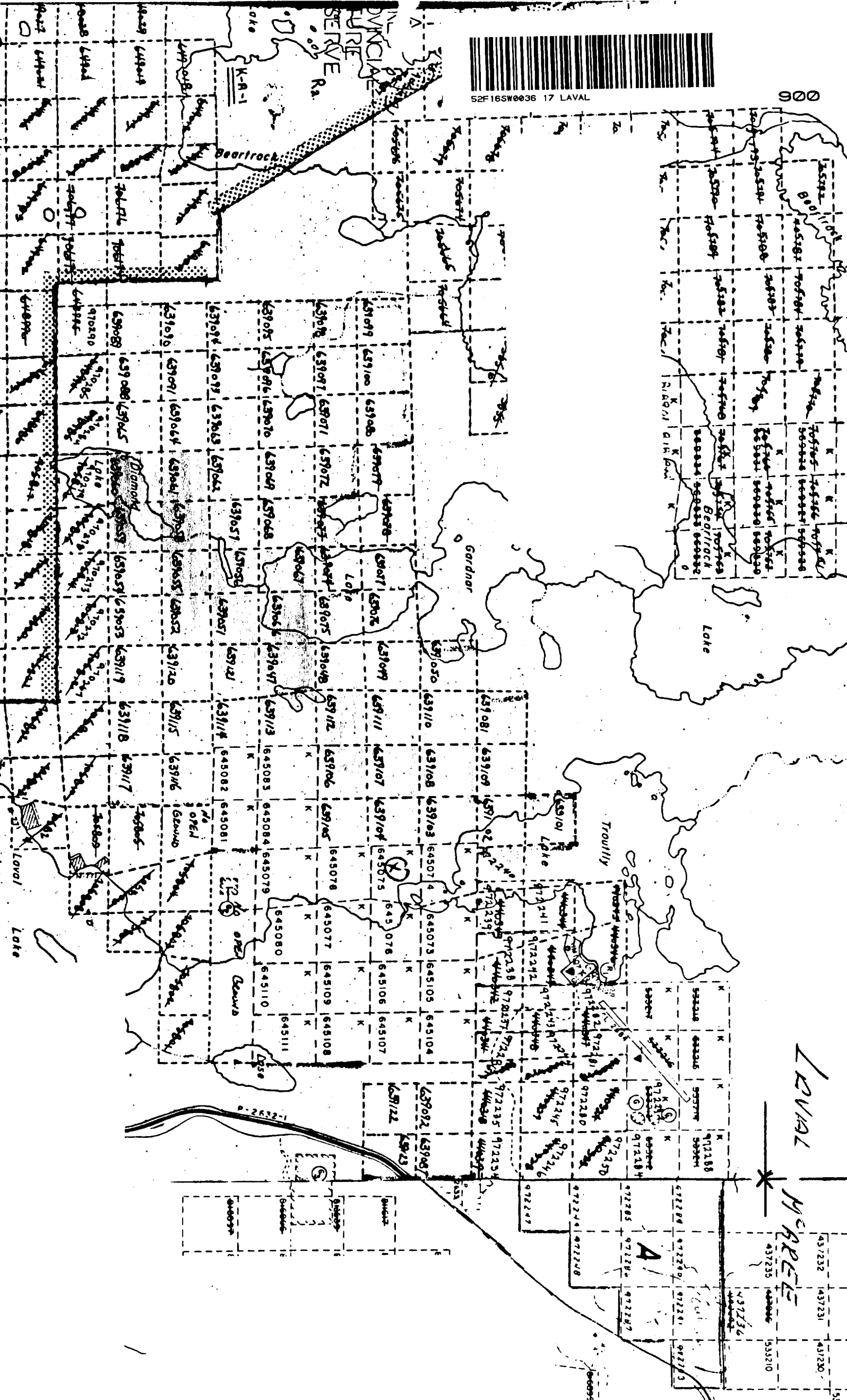
Instructions: Total Days Credits may be apportioned at the claim holder's choice. Date: March 9, 1988. Recorder/Editor or Audit (Signature): [Signature]

For Office Use Only: Total Days Cr. Recorded, Date Recorded, Mining Recorder, Date Approved as Recorded, Branch Director

Certification: 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 Postal Address of Person Certifying: J. Langelaar - Norontex Exploration Ltd. Dryden - Ontario RR No 1, box 7, site 11. Date Certified: March 9, 1988. Certified by (Signature): [Signature]



900



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437235 437234 437233
437236 437235 437234 437233

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 Res. (807) 662-336

AUL OKANSKI, Assayer
 Cochenour, Ontario P0V 1L0

ASSAY CERTIFICATE

Date: July 3, 1987.

Date July 3, 1987
 M. NOBOWTEX Fy/12/1987

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.
1	14	500.00		112.00
2				
3				
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12				
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33

adm. for Payment
July 7, 1987
[Signature]
#1197

on	oz/ton Au	oz/ton Ag
	Trace	float
	.04	cut #2 slay
	.06	"
	.04	"
	.08	"
	.42	"
**	Trace	Mistango
**	"	"
76	**	"
	**	"
	**	"
76	**	.40 Ag
	**	"
	**	"
	.01	"

NOTE: ** are Mistango reconnaissance samples. Total 8.

Assayer: *[Signature]*

REDIFORM - 68523E

155 samples are MISTANGO'S; for results
see drill logs.

CUSTOM FIRE ASSAYING LTD.
BOX 253
COCHENOUR, ONTARIO POV 1LO

Date Oct 29 1987

M. W. BONTÉ EXPLORATION
(CAMBE CO)

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.
1		157 SAMPLES		1,072.00
2				
3				
4		CAMBE CO		
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

app.
[Signature]
Nov. 16, 1987

39



Mining Act

Name and Postal Address of Recorded Holder CAMRECO INC. 120 Adelaide Street west, 11th Floor	Prospector's Licence No. T4853.
Toronto - Ontario M5H 1V1	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 280 days	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	P	972291	40									
		972293	40									
		972286	40									
		972287	40									
		972249	40									
		972248	40									
	972247											

All the work was performed on Mining Claim(s): **K 645074, 645075, 639105 and 639106 LAVAL TOWNSHIP!!!!!!!!!!**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

SEE ALSO ENCLOSED COPY OF WORK REPORT SENT TO KENORA!!

The 280 days claims is a portion of the balance of 443 days credit, thus leaving a BALANCE OF 163 DAYS (FEET) still unused.

DRILL LOGS SUBMITTED IN REPORT BY Langelaar, dated March 9, 1988, entitled "Mistango Consolidated Resources Limited, 1987 Exploration programme, March 1988"

Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD. KENORA Ontario. coresize B.Q. Core stored at Camreco Mine site.

Date of Report March 9, 1988	Recorded by Holder or Agent (Signature) <i>[Signature]</i>
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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 Postal Address of Person Certifying
J. Langelaar, Norontex exploration Ltd. RR N°1, box 7, site 11 Dryden - ont. ph: 807-937-5085

Date Certified March 9, 1988	Certified by (Signature) <i>[Signature]</i>
--	--

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate



Name Postal Address of Recorded Holder MISTANGO CONS. RES.LTD transferred to CAMRECO INC	Prospector's Licence No. T 4853
120 Adelaide Street West, 11th Floor, Toronto - Ontario M5H 1V1 ph: 416-364-6395	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core** drilling <input type="checkbox"/> Land Survey	K	639047	89	K	639059	89	K	639106	89
		639048	89		639060	89		639107	89
		639051	89		639061	89		639108	89
		639052	89		639066	89		639111	89
		639055	89		639067	89		639112	89
		639056	89		639108	89		639113	89
		639057	89		639104	89		639121	89
	639058	89		639105	89				

All the work was performed on Mining Claim(s): ~~K645074~~, 645075, 639105 & 639106

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Diamond drill holes M87-1 to M87-8 incl.; total footage 2490 feet

Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD.
Kenora - Ontario ; core size B.Q. Core stored at Camreco Mine site!

DRILL LOGS SUBMITTED IN REPORT BY J.LANGELAAR, dated March 9,1988, entitled "Mistango Consolidated Resources Limited, 1987 Exploration Programme, March 1988"

TOTAL CREDITS USED FOR ABOVE CLAIMS = 2047! BALANCE OF 443 days to be applied elsewhere!

Date of Report March 9, 1988	Record Holder or Agent (Signature) <i>[Signature]</i>
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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 Postal Address of Person Certifying
J.Langelaar, Norontex Exploration Ltd. RR N° 1, box 7,site 11, 3 Bedworth Road
Dryden - Ontario: PH: 807-937-5085

Date Certified March 9, 1988	Certified by (Signature) <i>[Signature]</i>
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Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing: footage, diameter of core, number and angle of holes		



Ministry of
Natural
Resources

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

KENORA,

- Instructions:** - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Mining Act

Type of Survey(s) GROUND GEOPHYSICAL - VLF & MAGNETOMETER		Township or Area LAVAL TWP M3370
Claim Holder(s) CAMRECO INC. 120 Adelaide Street west, 11th Floor, Toronto		Prospector's Licence No. T 4853
Survey Company Norontex Exploration Ltd.		Date of Survey (from & to) 04 17 87 04 14 87
Name and Address of Author (of Geo-Technical report) R.R.#1, box 7, site 11, 3 Bedworth Road - Dryden - Ontario P8N 2Y4		Total Miles of line Cut 25 line miles

Special Provisions	Geophysical	Days per Claim
For first survey. Enter 40 days. (This includes line cutting)	- Electromagnetic	40
	- Magnetometer	20
	Radiometric	
	- Other	
For each additional survey using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man. Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geological	
	Geochemical	
Airborne Credits	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)			Mining Claims Traversed (List in numerical sequence)		
Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
K	972288				
	972283				
	972236				
	972284				
	972250				
	972246				
	972234				
	972235				
	972245				
	972280				
	972281				
	972244				
	972237				
	972243				
	972282				
	972242				
	972238				
	972239				
	972240				
	972241				

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. 20

Date **March 9, 1988**

Recorder, Holder or Agent (Signature) *[Signature]*

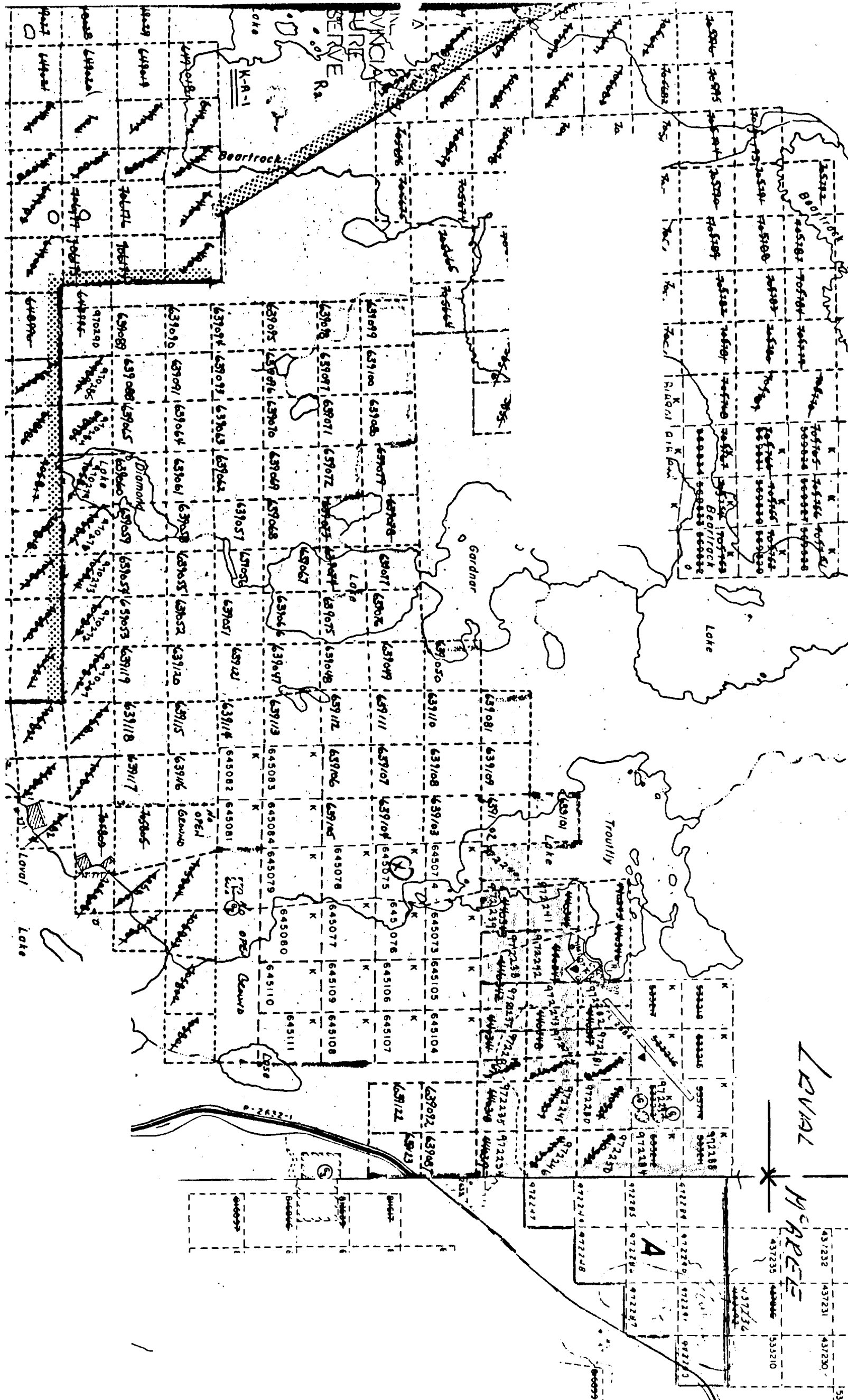
For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

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 Postal Address of Person Certifying



Loyal

N. R. R. E.

437232 437231 437230
437235 535210

A



Mining Act

Name and Postal Address of Recorded Holder CAMRECO INC. 120 Adelaide Street west, 11th Floor Toronto - Ontario	Prospector's Licence No. T 4853
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Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 210 days	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input checked="" type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K	972250	30						
		972246	30						
		972245	30						
		972244	30						
		972235	30						
		972236	30						
	972237	30							

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE
APR 21 1988
RECEIVED

All the work was performed on Mining Claim(s): **K645075, K645074, 639105 & 639106**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

See also work reports submitted to Sioux Lookout & Kenora - copies enclosed.

DRILL CREDITS REMAINING.....163 feet = days

BULLDOZING CREDITS REMAINING.....47 days

Total: 210 days: 7 = 30 days each.

Drill logs submitted in report by Langelaar: "Mistango Consolidated resources Limited, 1987 Exploration Programme, March 1988"

DRILLING BY ED FONTAINE DIAMOND DRILLING LTD - Kenora
core size B.Q.; core stored at Camreco Mine site

Bulldozing by Hutchinson Contractors, Dryden

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>[Signature]</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 here to, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying J. Langelaar, Norontex exploration Ltd. 3 Bedworth Road - Dryden - Ont. RR#1, box 7, site 11	Date Certified March 9, 1988	Certified by (Signature) <i>[Signature]</i>
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Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		



Mining Act

Name and Postal Address of Recorded Holder MISTANGO CONSOLIDATED RES.LTD, transferred to CAMRECO INC 120 Adelaide Street west, 11th Floor, Toronto - Ontario M5H 1V1 ph; 416-363-6395	Prospector's Licence No. T4853
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Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 178 days	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input checked="" type="checkbox"/> Power Stripping <input type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K	645074	8	K	645083	10	K	645110	10
		645076	10		645084	10		645111	10
		645077	10		645104	10			
		645078	10		645105	10			
		645079	10		645106	10			
		645080	10		645107	10			
		645081	10		645108	10			
	645082	10		645109	10				

All the work was performed on Mining Claim(s): **K645074 , K645075 & ~~645078~~ 639105**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

BULLDOZING CONDUCTED DURING TWO DAYS @ \$2250⁰⁰ total cost(balance of cancelled cheque pertains to dozing on Goldlund preoperty. Equipment: D-9 Cat. Owner/operator Hutchinson Contractors, Highway 17, Dryden, Ontario.

178 days credit used as per above; balance of 47 days to be used elsewhere.

Bulldozed area maps submitted in report by J.Langelaar "Mistango Consolidated Resources Limited, 1987 Exploration Programme" dated March 9, 1988.

Proof of payment enclosed (copy cancelled cheque and endorsment on back.)

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>[Signature]</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 Postal Address of Person Certifying J.Langelaar, Norontex Exploration Ltd, 3 Bedworth Road, R.R.#1, box 7, site 11		
Dryden - Ont. P8N 2Y4	807-937-5085	Date Certified March 9, 1988
		Certified by (Signature) <i>[Signature]</i>

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work /operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
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Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing; footage, diameter of		



Mining Act

Name & Postal Address of Recorded Holder CAMRECO INC. 120 Adelaide Street west, 11th Floor Toronto - Ontario M5H 1V1	Prospector's Licence No. T4853.
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Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 280 days	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	P	972291	40						
		972293	40						
		972286	40						
		972287	40						
		972249	40						
		972248	40						
	972247								

All the work was performed on Mining Claim(s): K ~~645074~~ 645075, 639105 and 639106 LAVAL TOWNSHIP!!!!!!!!!!

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

SEE ALSO ENCLOSED COPY OF WORK REPORT SENT TO KENORA!!

The 280 days claims is a portion of the balance of 443 days credit, thus leaving a BALANCE OF 163 DAYS (FEET) still unused.

DRILL LOGS SUBMITTED IN REPORT BY Langelaar, dated March 9, 1988, entitled "Mistango Consolidated Resources Limited, 1987 Exploration programme, March 1988"

Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD. KENORA Ontario. coresize B.Q. Core stored at Camreco Mine site.

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>[Signature]</i>
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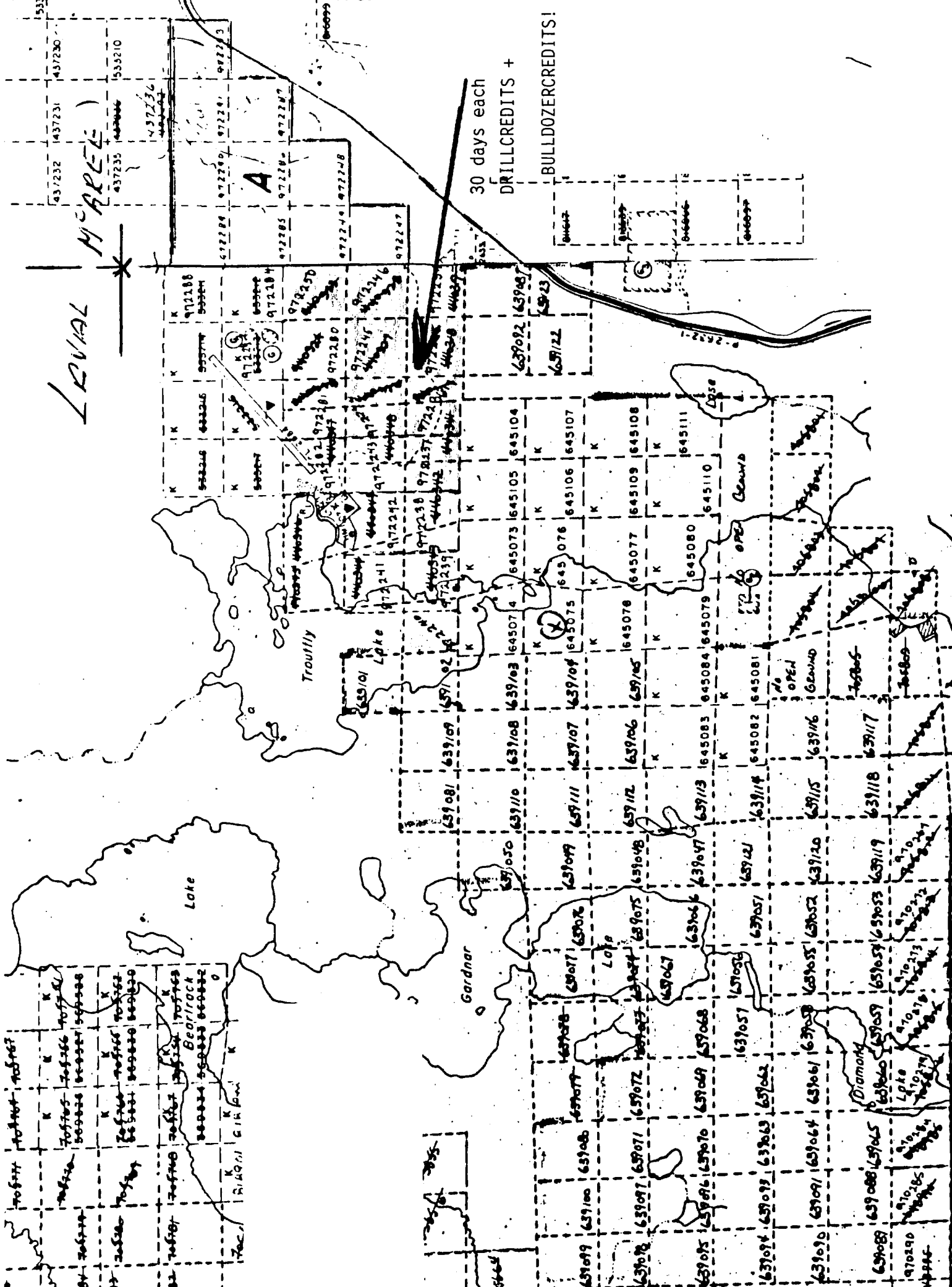
Certification Verifying Report of Work

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 Postal Address of Person Certifying J. Langelaar, Norontex exploration Ltd. RR N°1, box 7, site 11 Dryden - ont. ph: 807-937-5085	Date Certified March 9, 1988	Certified by (Signature) <i>[Signature]</i>
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Table of Information/Attachments Required by the Mining Recorder

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Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing, footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate



IRVIAL

MAREE

30 days each
DRILLCREDITS +

BULLDOZER CREDITS!

637054	637055	637056	637057	637058	637059	637060	637061	637062	637063	637064	637065	637066	637067	637068	637069	637070	637071	637072	637073	637074	637075	637076	637077	637078	637079	637080	637081	637082	637083	637084	637085	637086	637087	637088	637089	637090	637091	637092	637093	637094	637095	637096	637097	637098	637099	637100	637101	637102	637103	637104	637105	637106	637107	637108	637109	637110	637111	637112	637113	637114	637115	637116	637117	637118	637119	637120	637121	637122	637123	637124	637125	637126	637127	637128	637129	637130	637131	637132	637133	637134	637135	637136	637137	637138	637139	637140	637141	637142	637143	637144	637145	637146	637147	637148	637149	637150	637151	637152	637153	637154	637155	637156	637157	637158	637159	637160	637161	637162	637163	637164	637165	637166	637167	637168	637169	637170	637171	637172	637173	637174	637175	637176	637177	637178	637179	637180	637181	637182	637183	637184	637185	637186	637187	637188	637189	637190	637191	637192	637193	637194	637195	637196	637197	637198	637199	637200	637201	637202	637203	637204	637205	637206	637207	637208	637209	637210	637211	637212	637213	637214	637215	637216	637217	637218	637219	637220	637221	637222	637223	637224	637225	637226	637227	637228	637229	637230	637231	637232	637233	637234	637235	637236	637237	637238	637239	637240	637241	637242	637243	637244	637245	637246	637247	637248	637249	637250	637251	637252	637253	637254	637255	637256	637257	637258	637259	637260	637261	637262	637263	637264	637265	637266	637267	637268	637269	637270	637271	637272	637273	637274	637275	637276	637277	637278	637279	637280	637281	637282	637283	637284	637285	637286	637287	637288	637289	637290	637291	637292	637293	637294	637295	637296	637297	637298	637299	637300	637301	637302	637303	637304	637305	637306	637307	637308	637309	637310	637311	637312	637313	637314	637315	637316	637317	637318	637319	637320	637321	637322	637323	637324	637325	637326	637327	637328	637329	637330	637331	637332	637333	637334	637335	637336	637337	637338	637339	637340	637341	637342	637343	637344	637345	637346	637347	637348	637349	637350	637351	637352	637353	637354	637355	637356	637357	637358	637359	637360	637361	637362	637363	637364	637365	637366	637367	637368	637369	637370	637371	637372	637373	637374	637375	637376	637377	637378	637379	637380	637381	637382	637383	637384	637385	637386	637387	637388	637389	637390	637391	637392	637393	637394	637395	637396	637397	637398	637399	637400	637401	637402	637403	637404	637405	637406	637407	637408	637409	637410	637411	637412	637413	637414	637415	637416	637417	637418	637419	637420	637421	637422	637423	637424	637425	637426	637427	637428	637429	637430	637431	637432	637433	637434	637435	637436	637437	637438	637439	637440	637441	637442	637443	637444	637445	637446	637447	637448	637449	637450	637451	637452	637453	637454	637455	637456	637457	637458	637459	637460	637461	637462	637463	637464	637465	637466	637467	637468	637469	637470	637471	637472	637473	637474	637475	637476	637477	637478	637479	637480	637481	637482	637483	637484	637485	637486	637487	637488	637489	637490	637491	637492	637493	637494	637495	637496	637497	637498	637499	637500
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Lake

Trouilly

Gardner

Lake

Diamond

Lake

OPEN

OPEN

OPEN

OPEN

OPEN

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Name and Postal Address of Recorded Holder: **MH 1988 CONS. REC. LTD transferred to CAMRECO INC** Prospectors Licence No. **T 4853**

120 Adelaide Street West, 11th Floor, Toronto - Ontario M5H 1V1 ph: 416-364-6395

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 2047	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core** drilling <input type="checkbox"/> Land Survey	K	639047	89	K	639059	89	K	639106	89
		639048	89		639060	89		639107	89
		639051	89		639061	89		639108	89
		639052	89		639066	89		639111	89
		639055	89		639067	89		639112	89
		639056	89		639108	89		639113	89
		639057	89		639104	89		639121	89
		639058	89		639105	89			

All the work was performed on Mining Claim(s): **K645574, 645075, 639105 & 639106**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Diamond drill holes M87-1 to M87-8 incl.; total footage 2490 feet
 Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD.
 Kenora - Ontario ; core size B.Q. Core stored at Camreco Mine site!
 DRILL LOGS SUBMITTED IN REPORT BY J.LANGELAAR, dated March 9, 1988, entitled
 "Mistango Consolidated Resources Limited, 1987 Exploration Programme, March 1988"

TOTAL CREDITS USED FOR ABOVE CLAIMS = 2047! BALANCE OF 443 days to be applied elsewhere!

Date of Report: **March 9, 1988**
 Record 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 Postal Address of Person Certifying
J. Langelaar, Norontex Exploration Ltd. RR N° 1, box 7, site 11, 3 Bedworth Road
Dryden - Ontario: PH: 807-937-5085

Date Certified: **March 9, 1988**
 Certified by (Signature): *[Signature]*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil



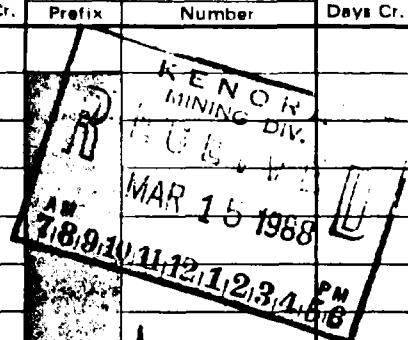
LAVAL TWP M-3370

Name and Postal Address of Recorded Holder: CAM. O INC. 120 Adelaide Street west, 11th Floor Toronto - Ontario

Prospector's Licence No. T 4853

Summary of Work Performance and Distribution of Credits

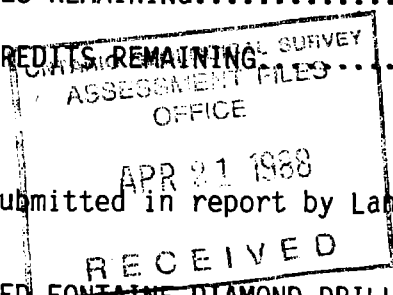
Table with columns: Total Work Days Cr. claimed (210 days), Mining Claim Prefix/Number, Work Days Cr. (30 days each for 7 claims), and checkboxes for work types like Manual Work, Shaft Sinking, etc.



All the work was performed on Mining Claim(s): K 645075, 645074, 639105 & 639106

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

See also work reports submitted to Sioux Lookout & Kenora - copies enclosed. DRILL CREDITS REMAINING... 163 feet = days. BULLDOZING CREDITS REMAINING... 47 days. Total: 210 days: 7 = 30 days each. Drill logs submitted in report by Langelaar: "Mistango Consolidated resources Limited, 1987 Exploration Programme, March 1988". DRILLING BY ED FONTAINE DIAMOND DRILLING LTD - Kenora core size B.Q.; core stored at Camreco Mine site. Bulldozing by Hutchinson Contractors, Dryden



Date of Report: March 9, 1988. 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 Postal Address of Person Certifying: J. Langelaar, Norontex exploration Ltd. 3 Bedworth Road - Dryden - Ont. RRN°1, box 7, site 11 March 9, 1988. Date Certified: March 9, 1988. Certified by (Signature): [Signature]

Table of Information/Attachments Required by the Mining Recorder

Table with 4 columns: Type of Work, Specific information per type, Other information (Common to 2 or more types), Attachments. Rows include Manual Work, Shaft Sinking, Compressed air, Power Stripping, Diamond or other core drilling, and Land Survey.



Mining Act

Name and Postal Address of Recorded Holder MISTANGO CONSOLIDATED RES.LTD, transferred to CAMRECO INC 120 Adelaide Street west, 11th Floor, Toronto - Ontario M5H 1V1 ph; 416-363-6395	Prospector's Licence No. T4853
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Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 178 days	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input checked="" type="checkbox"/> Power Stripping <input type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K	645074	8	K	645083	10	K	645110	10
		645076	10		645084	10		645111	10
		645077	10		645104	10			
		645078	10		645105	10			
		645079	10		645106	10			
		645080	10		645107	10			
		645081	10		645108	10			
		645082	10		645109	10			

GEOLOGICAL SURVEY
 DOCUMENT FILES
 OFFICE
 APR 21 1988
 RECEIVED

All the work was performed on Mining Claim(s): **K645074 , K645075 & ~~645078~~ 639105**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

BULLDOZING CONDUCTED DURING TWO DAYS @ \$2250⁰⁰ total cost(balance of cancelled cheque pertains to dozing on Goldlund preoperty. Equipment: D-9 Cat. Owner/operator Hutchinson Contractors, Highway 17, Dryden, Ontario.

178 days credit used as per above; balance of 47 days to be used elsewhere.

Bulldozed area maps submitted in report by J.Langelaar "Mistango Consolidated Resources Limited, 1987 Exploration Programme" dated March 9,1988.

Proof of payment enclosed (copy cancelled cheque and endorsment on back.)

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>J. Langelaar</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 Postal Address of Person Certifying
J.Langelaar, Norontex Exploration Ltd, 3 Bedworth Road, R.R.#1, box 11 site 11
Dryden - Ont. P8N 2Y4 807-937-5085

Date Certified March 9, 1988	Certified by (Signature) <i>J. Langelaar</i>
--	---

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and spacings of holes	JUNE 20 & June 30th 1987	

Pay to the Order of D.E.&J.C. HUTCHINSON CONTRACTING CO. LTD. \$ 4,602.50

--- FOUR THOUSAND SIX HUNDRED and TWO DOLLARS 50/100 *Dollars*

THE ROYAL BANK OF CANADA
MAIN BRANCH
ROYAL BANK PLAZA
TORONTO, ONT. M5J 2J6

per *[Signature]*
PER *[Signature]*

Re: Invoice # 3384

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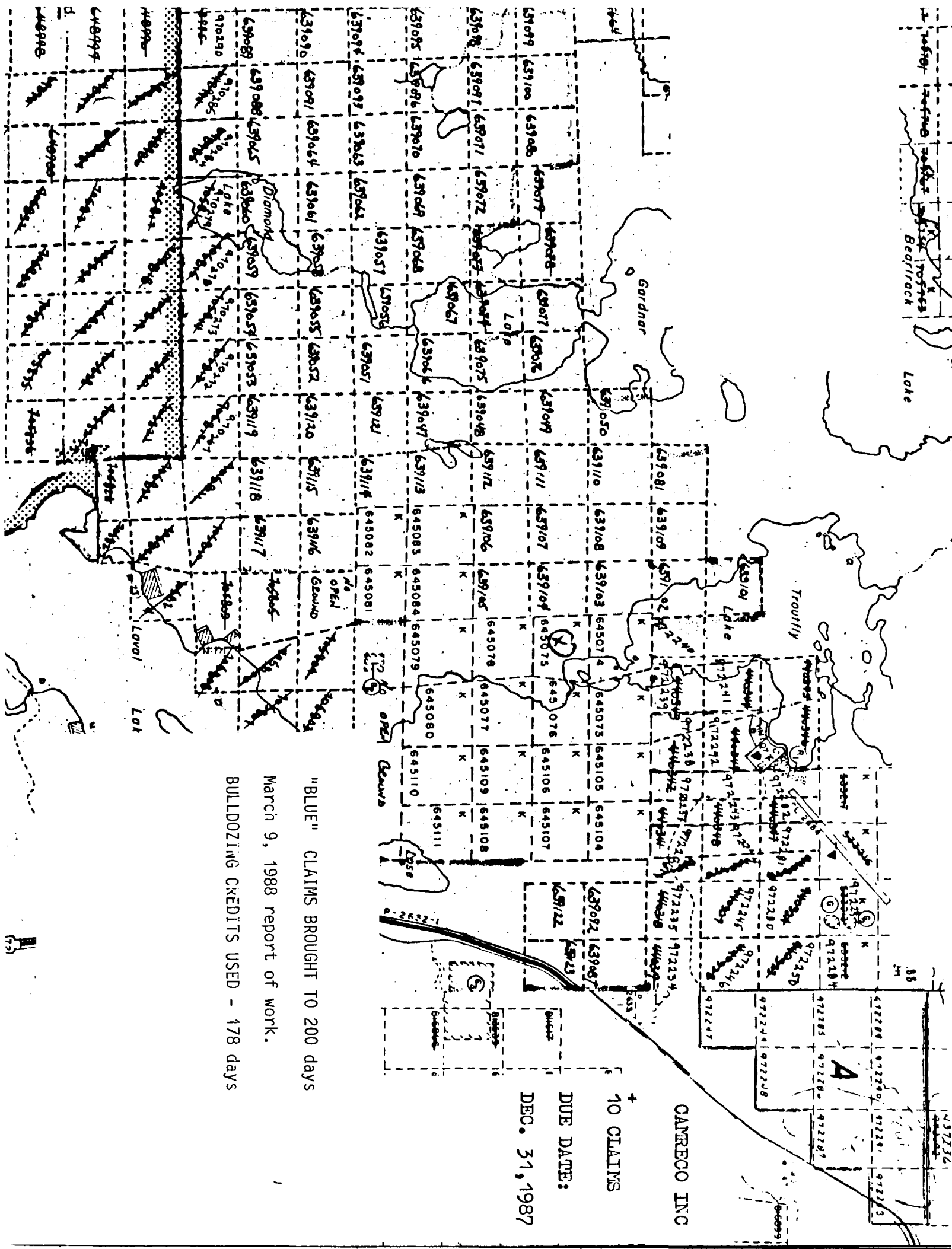
For Deposit Only.
THE CREDIT OF
D.E. & J.C. HUTCHINSON
CONTRACTING CO. LTD.
TORONTO BRANCH BANK
WINNIPEG BANK CENTRE
WINNIPEG MANITOBA

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"BLUE" CLAIMS BROUGHT TO 200 days
 March 9, 1988 report of work.
 BULLDOZING CREDITS USED - 178 days

CAMRECO INC
 +
 10 CLAIMS
 DUE DATE:
 DEC. 31, 1987

A

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Mining Act

Type of Survey(s) GROUND GEOPHYSICAL - VLF & MAGNETOMETER		Township or Area McAree township
Claim Holder CAMRECO INC.		Prospector's Licence No. T 4853
Address 120 Adelaide Street west, 11th Floor - Toronto - Ontario M5H 1V1		
Survey Company Norontex Exploration Ltd	Date of Survey (from & to) 01 Mo 87 01 10 87	Total Miles of line Cut 14.8 miles
Name and Address of Author (of Geo-Technical report) 3 Bedworth road, R.R. No 1, box 7 site 11 Dryden - Ontario P8N 2Y4		

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey. Enter 40 days. (This includes line cutting)	- Electromagnetic	40
	- Magnetometer	20
	- Radiometric	
	- Other	
For each additional survey, using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
	Geophysical	Days per Claim
	- Electromagnetic	
Main days Complete reverse side and enter total(s) here	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
Ancillary Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geochemical	
	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
P	972247				
	972248				
	972249				
	972285				
	972286				
	972287				
	972289				
	972290				
	972291				
	972293				

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 OFFICE
 APR 21 1988
 RECEIVED

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. 10

Date **March 9, 1988**

Record Holder or Agent (Signature) *[Signature]*

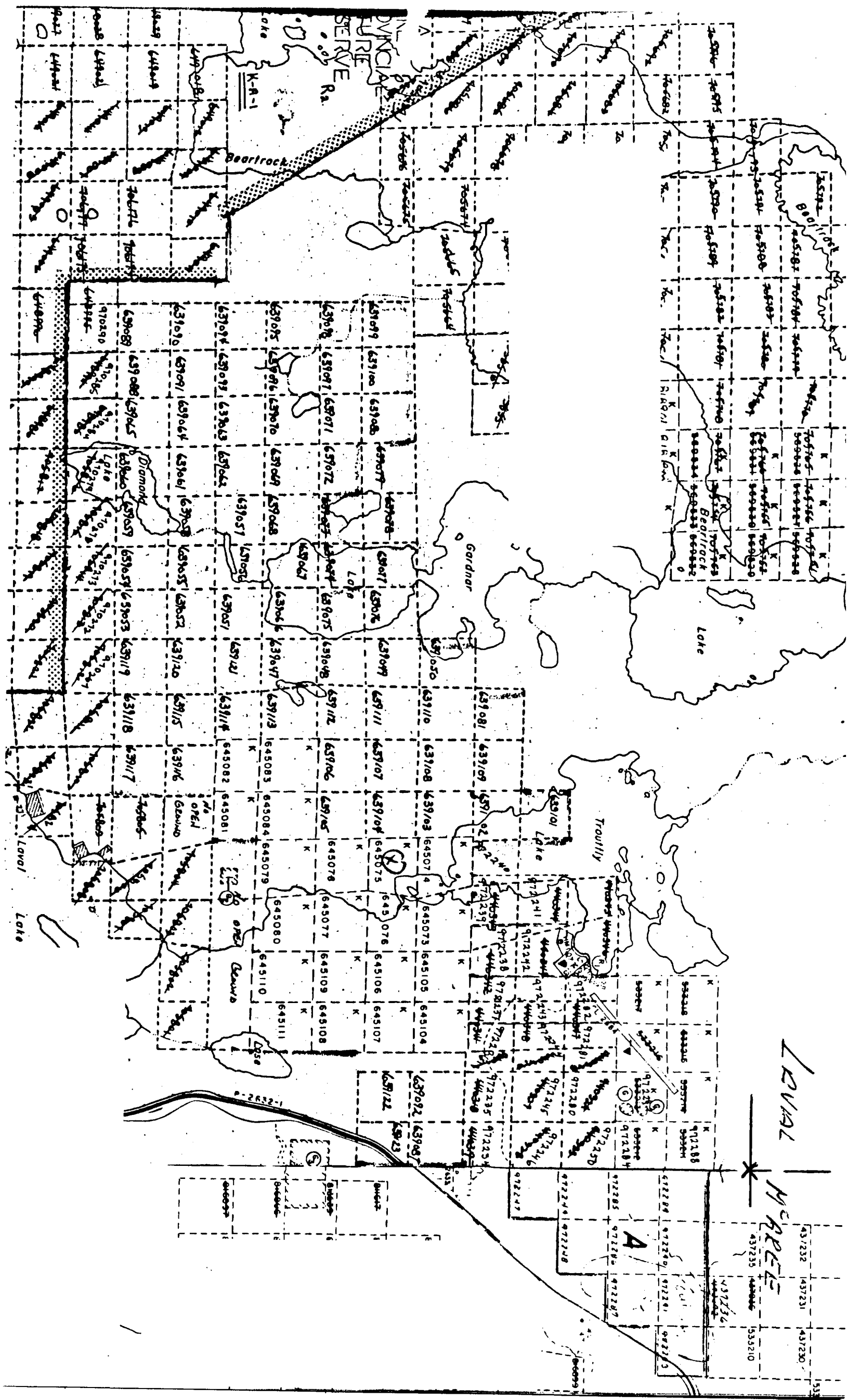
For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Certificate 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 Postal Address of Person Certifying
J. Lasseen, Norontex Exploration Ltd



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Mining Act

Name and Postal Address of Recorded Holder MISTANGO CONS. RES.LTD transferred to CAMRECO INC	Prospector's Licence No. T 4853
---	------------------------------------

120 Adelaide Street West, 11th Floor, Toronto - Ontario M5H 1V1 ph: 416-364-6395

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core** drilling <input type="checkbox"/> Land Survey	K	639047	89	K	639059	89	K	639106	89			
		639048	89		639060	89		639107	89			
		639051	89		639061	89		639108	89			
		639052	89		639066	89		639111	89			
		639055	89		639067	89		639112	89			
		639056	89		639103	89		639113	89			
		639057	89		639104	89		639121	89			
		639058	89		639105	89						

All the work was performed on Mining Claim(s): ~~K645074~~, 645075, 639105 & 639106

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Diamond drill holes M87-1 to M87-8 incl.; total footage 2490 feet
 Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD.
 Kenora - Ontario ; core size B.Q. Core stored at Camreco Mine site!
 DRILL LOGS SUBMITTED IN REPORT BY J.LANGELAAR, dated March 9,1988, entitled
 "Mistango Consolidated Resources Limited, 1987 Exploration Programme, March 1988"
 TOTAL CREDITS USED FOR ABOVE CLAIMS = 2047! BALANCE OF 443 days to be applied elsewhere!

Date of Report March 9, 1988	Recorded by 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 Postal Address of Person Certifying
 J.Langelaar, Norontex Exploration Ltd. RR N° 1, box 7,site 11, 3 Bedworth Road

Dryden - Ontario: PH: 807-937-5085
 Date Certified: March 9, 1988
 Certified by (Signature):

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing: footage, diameter of core, number and angles of holes		



Mining Act

Name and Postal Address of Recorded Holder CAMRECO INC. 120 Adelaide Street west, 11th Floor	Prospector's Licence No. T4853.
Toronto - Ontario M5H 1V1	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 280 days	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number			Prefix	Number			Prefix	Number		
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	P	972291		40								
		972293		40								
		972286		40								
		972287		40								
		972249		40								
		972248		40								
	972247											

All the work was performed on Mining Claim(s): **K 645074, 645075, 639105 and 639106 LAVAL TOWNSHIP!!!!!!!!!!**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

SEE ALSO ENCLOSED COPY OF WORK REPORT SENT TO KENORA!!

The 280 days claimed is a portion of the balance of 443 days credit, thus leaving a BALANCE OF 163 DAYS (FEET) still unused.

DRILL LOGS SUBMITTED IN REPORT BY Langelaar, dated March 9, 1988, entitled "Mistango Consolidated Resources Limited, 1987 Exploration programme, March 1988"

Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD. KENORA Ontario. coresize B.Q. Core stored at Camreco Mine site.

Date of Report March 9, 1988	Recorded By Holder or Agent (Signature) <i>[Signature]</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 Postal Address of Person Certifying J. Langelaar, Norontex exploration Ltd. RR N°1, box 7, site 11	Date Certified March 9, 1988	Certified by (Signature) <i>[Signature]</i>
Dryden - ont. ph: 807-937-5085		

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work /operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing, footage, diameter of		Work Sketch (as above) in duplicate



Mining Act

Name and Postal Address of Recorded Holder MISTANGO CONS. RES.LTD transferred to CAMRECO INC	Prospector's Licence No. T 4853
120 Adelaide Street West, 11th Floor, Toronto - Ontario M5H 1V1 ph: 416-364-6395	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core** drilling <input type="checkbox"/> Land Survey	K	639047	89	K	639059	89	K	639106	89
		639048	89		639060	89		639107	89
		639051	89		639061	89		639108	89
		639052	89		639066	89		639111	89
		639055	89		639067	89		639112	89
		639056	89		639103	89		639113	89
		639057	89		639104	89		639121	89
		639058	89		639105	89			

All the work was performed on Mining Claim(s): **K645074, 645075, 639105 & 639106**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Diamond drill holes M87-1 to M87-8 incl.; total footage 2490 feet
 Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD.
 Kenora - Ontario ; core size B.Q. Core stored at Camreco Mine site!
 DRILL LOGS SUBMITTED IN REPORT BY J.LANGELAAR, dated March 9, 1988, entitled
 "Mistango Consolidated Resources Limited, 1987 Exploration Programme, March 1988"
 TOTAL CREDITS USED FOR ABOVE CLAIMS = 2047! BALANCE OF 443 days to be applied elsewhere!

Date of Report March 9, 1988	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 Postal Address of Person Certifying
J.Langelaar, Norontex Exploration Ltd. RR N° 1, box 7, site 11, 3 Bedworth Road
Dryden - Ontario: PH: 807-937-5085

Date Certified March 9, 1988	Certified by (Signature)
--	------------------------------

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing; footage, diameter of		Work Sketch (as above) in duplicate



Mining Act

Name and Postal Address of Recorded Holder CAMRECO INC. 120 Adelaide Street west, 11th Floor Toronto - Ontario M5H 1V1	Prospector's Licence No. T4853.
--	------------------------------------

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 280 days	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	P	972291	40						
		972293	40						
		972286	40						
		972287	40						
		972249	40						
		972248	40						
	972247								

All the work was performed on Mining Claim(s): K 645074, 645075, 639105 and 639106 LAVAL TOWNSHIP!!!!!!!!!!

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

SEE ALSO ENCLOSED COPY OF WORK REPORT SENT TO KENORA!!

The 280 days claimed is a portion of the balance of 443 days credit, thus leaving a BALANCE OF 163 DAYS (FEET) still unused.

DRILL LOGS SUBMITTED IN REPORT BY Langelaar, dated March 9, 1988, entitled "Mistango Consolidated Resources Limited, 1987 Exploration programme, March 1988"

Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD. KENORA Ontario. coresize B.Q. Core stored at Camreco Mine site.

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>[Signature]</i>
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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 Postal Address of Person Certifying
J. Langelaar, Norontex exploration Ltd. RR N°1, box 7, site 11
Dryden - ont. ph: 807-937-5085

Date Certified March 9, 1988	Certified by (Signature) <i>[Signature]</i>
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Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing: footage, diameter of		Work Sketch (as above) in duplicate

- Instructions:** - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Mining Act

Type of Survey(s) GROUND GEOPHYSICAL - VLF & MAGNETOMETER		Township or Area McAree township	
Claim Holder(s) CAMRECO INC.		Prospector's Licence No. T 4853	
Address 120 Adelaide Street west, 11th Floor - Toronto - Ontario M5H 1V1			
Survey Company Norontex Exploration Ltd		Date of Survey (from & to) 01 7 87 01 10 87	Total Miles of Line Cut 14.8 miles
Name and Address of Author (of Geo Technical report) 3 Bedworth road, R.R. No 1, box 7 site 11 Dryden - Ontario P8N 2Y4			

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey. Enter 40 days. (This includes line cutting)	- Electromagnetic	40
	- Magnetometer	20
For each additional survey, using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	- Geological	
	- Geochemical	
Auto Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	- Geological	
Autoborne Credits	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
Note: Special provisions credits do not apply to Airborne Surveys.	- Radiometric	
	- Geological	
	- Geochemical	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P	972247				
	972248				
	972249				
	972285				
	972286				
	972287				
	972289				
	972290				
	972291				
	972293				

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE

MAY 4 1988

RECEIVED

Expenditures (excludes power stripping)

Type of Work Performed	
Performed on Claim(s)	
Calculation of Expenditure Days Credits	
Total Expenditures \$	Total Days Credits
÷ 15 =	=
Instructions Total Days Credits may be applied onert at the claim holder's choice. Enter number of days credits per claim selected in columns at right.	

Total number of mining claims covered by this report of work. 10

Date March 9, 1988	Record Holder or Agent (Signature)
------------------------------	--

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

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 of Person Verifying
J. Langelaar, Norontex Exploration Ltd



Ministry of
Natural
Resources

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

KENORA,

Instructions: - Please type or print.
- If number of mining claims traverse exceeds space on this form, attach a
Note: - Only days credits calculated in "Expenditures" section may be entered in the "Expend. Days Cr." column
- Do not use shaded areas below.

Mining Act

Type of Survey(s) GROUND GEOPHYSICAL - VLF & MAGNETOMETER		Township or Area LAVAL TWP M3370
Claim Holder(s) CAMRECO INC. 120 Adelaide Street west, 11th Floor, Toronto		Prospector's Licence No. T 4853
Address Ontario M5H 1V1 ph: 416-364-6395		
Survey Company Norontex Exploration Ltd.	Date of Survey (from & to) 01y 07 87 01y 10 87	Total Miles of line Cut 25 line miles
Name and Address of Author (of Geo Technical report) R.R.#1, box 7, site 11, 3 Bedworth Road - Dryden - Ontario P8N 2Y4		

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	40
	Magnetometer	20
	Radiometric	
	- Other	
	Geological	
For each additional survey, using the same grid Enter 20 days (for each)	Geochemical	
	Geophysical	Days per Claim
	- Electromagnetic	
	Magnetometer	
	- Radiometric	
Man Days: Complete reverse side and enter total(s) here	Other	
	Geological	
	Geochemical	
	Airborne Credits	Days per Claim
	Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic
Magnetometer		
Radiometric		

Mining Claims Traversed (List in numerical sequence)			Mining Claims Traversed (List in numerical sequence)		
Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
K	972288				
	972283				
	972236				
	972284				
	972250				
	972246				
	972234				
	972235				
	972245				
	972280				
	972281				
	972244				
	972237				
	972243				
	972282				
	972242				
	972238				
	972239				
	972240				
	972241				

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures	=	15	=	Total Days Credits
\$				

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **20**

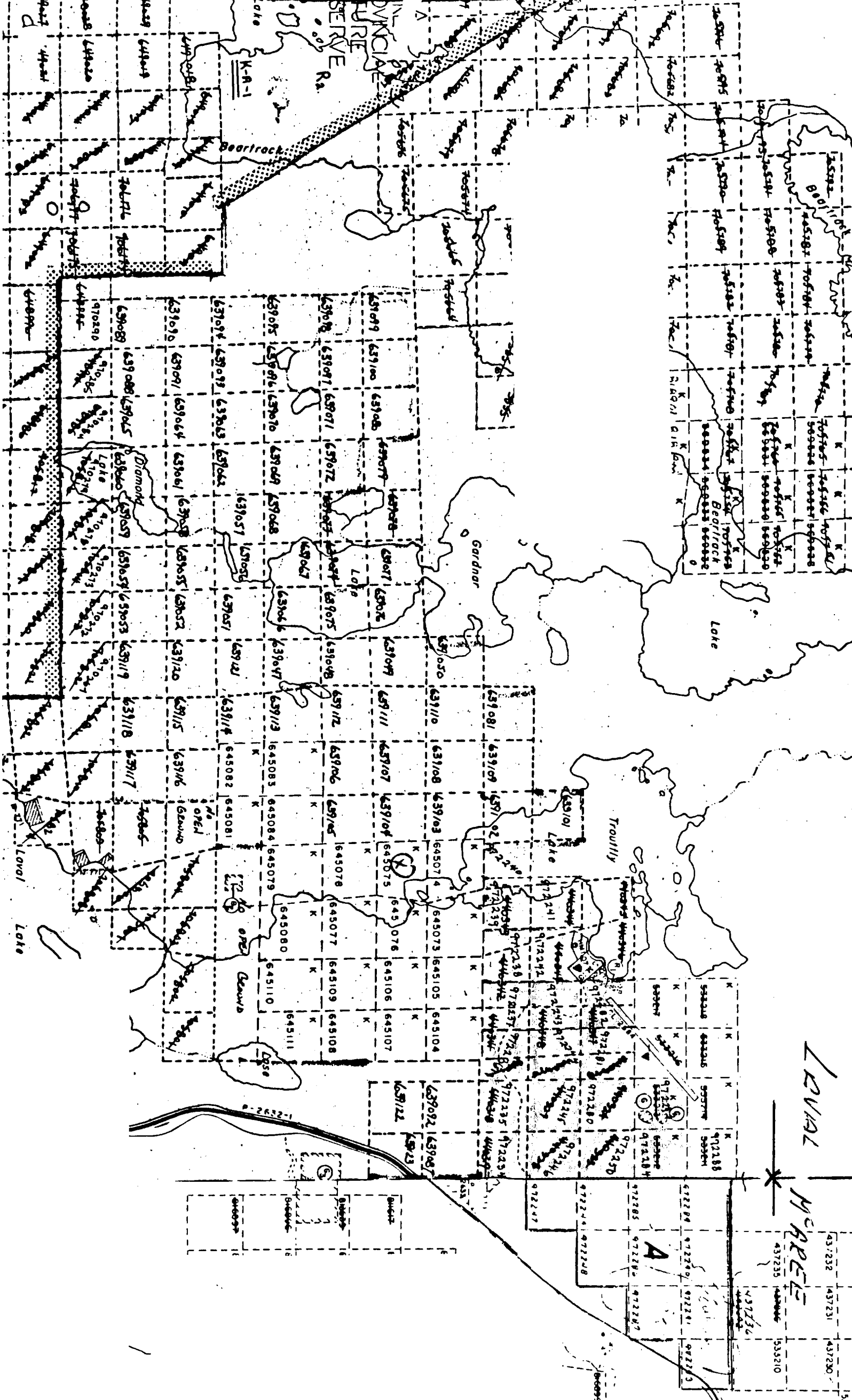
Date March 9, 1988	Recorded Holder or Agent (Signature)
------------------------------	--

For Office Use Only			
Total Days Cr. Recorded	Date Recorded	Mining Recorder	
	Date Approved as Recorded	Branch Director	

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 Postal Address of Person Certifying
Norontex Exploration Ltd



DUAL
MARELE

437232	437231	437230
437235	437234	437233
437236	437235	437234
437237	437236	437235
437238	437237	437236
437239	437238	437237
437240	437239	437238
437241	437240	437239
437242	437241	437240
437243	437242	437241
437244	437243	437242
437245	437244	437243
437246	437245	437244
437247	437246	437245
437248	437247	437246
437249	437248	437247
437250	437249	437248
437251	437250	437249
437252	437251	437250



Mining Act

Name and Postal Address of Recorded Holder MISTANGO CONSOLIDATED RES.LTD, transferred to CAMRECO INC	Prospector's Licence No. T4853
120 Adelaide Street west, 11th Floor, Toronto - Ontario M5H 1V1 ph; 416-363-6395	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 178 days	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input checked="" type="checkbox"/> Power Stripping <input type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K	645074	8	K	645083	10	K	645110	10
		645076	10		645084	10		645111	10
		645077	10		645104	10			
		645078	10		645105	10			
		645079	10		645106	10			
		645080	10		645107	10			
		645081	10		645108	10			
		645082	10		645109	10			

All the work was performed on Mining Claim(s): **K645074 , K645075 & ~~645038~~ 639105 E 639106**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

BULLDOZING CONDUCTED DURING TWO DAYS @ \$2250° total cost(balance of cancelled cheque pertains to dozing on Goldlund preoperty. Equipment: D-9 Cat. Owner/operator Hutchinson Contractors, Highway 17, Dryden, Ontario.

178 days credit used as per above; balance of 47 days to be used elsewhere.

Bulldozed area maps submitted in report by J.Langelaar "Mistango Consolidated Resources Limited, 1987 Exploration Programme" dated March 9,1988.

Proof of payment enclosed (copy cancelled cheque and endorsment on back.)

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>[Signature]</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 Postal Address of Person Certifying J.Langelaar, Norontex Exploration Ltd, 3 Bedworth Road, R.R.#1, box site 11		
Dryden - Ont. P8N 2Y4	807-937-5085	Date Certified March 9, 1988
		Certified by (Signature) <i>[Signature]</i>

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	JUNE 29 & June 30th, 1987.	Work Sketch (as above) in duplicate



Pay to the Order of D.E. & J.C. HUTCHINSON CONTRACTING CO. LTD. \$ 4,602.50

--- FOUR THOUSAND SIX HUNDRED and TWO DOLLARS 50/100 *Dollars*

THE ROYAL BANK OF CANADA
MAIN BRANCH
ROYAL BANK PLAZA
TORONTO, ONT. M5J 2J6

per *[Signature]*
PER *[Signature]*

Re: Invoice # 3384

⑆00002⑆003⑆

⑆25-840-9⑆

⑆0000460250⑆

For Deposit Only
TO THE CREDIT OF
D.E. & J.C. HUTCHINSON
CONTRACTING CO. LTD.

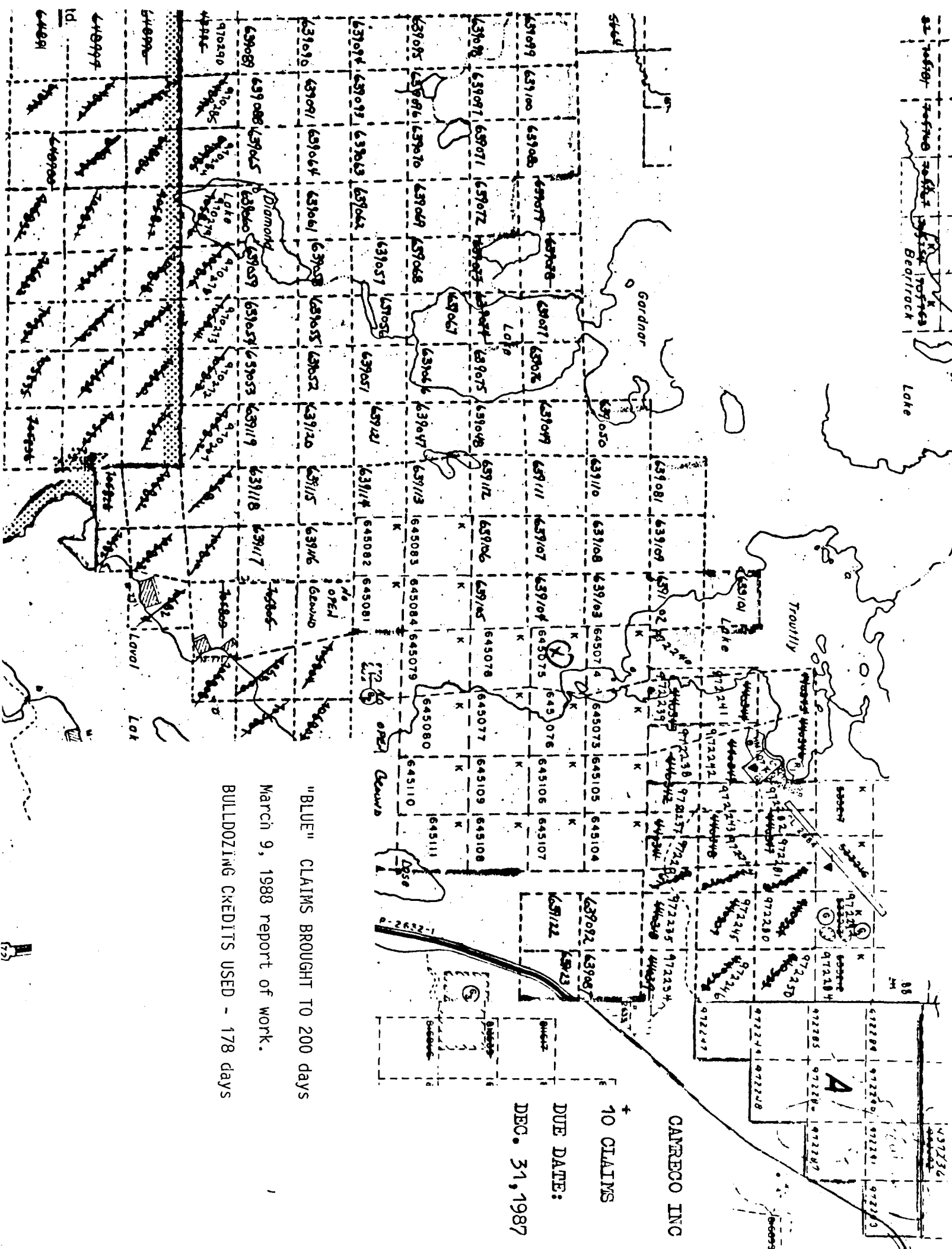
WINNIPEG BANK CENTRE
WINNIPEG MANITOBA

JY 81 20
ROYAL BANK
MANITOBA PC

⑆4101207⑆

⑆1000007⑆

⑆0000100⑆
⑆0000100⑆
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⑆0000100⑆



"BLUE" CLAIMS BROUGHT TO 200 days
 March 9, 1988 report of work.
 BULLDOZING CREDITS USED - 178 days

CAMERCO INC
 + 10 CLAIMS
 DUE DATE:
 DEC. 31, 1987



Mining Act

Name and Postal Address of Recorded Holder CAMRECO INC. 120 Adelaide Street west, 11th Floor Toronto - Ontario	Prospector's Licence No. T 4853
---	---

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 210 days	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number			Prefix	Number			Prefix	Number		
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input checked="" type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K	972250		30								
		972246		30								
		972245		30								
		972244		30								
		972235		30								
		972236		30								
	972237		30									

All the work was performed on Mining Claim(s): **K 645075, K 645074, 639105 & 639106**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

See also work reports submitted to Sioux Lookout & Kenora - copies enclosed.

DRILL CREDITS REMAINING.....163 feet = days

BULLDOZING CREDITS REMAINING.....47 days

Total: 210 days: 7 = 30 days each.

Drill logs submitted in report by Langelaar: "Mistango Consolidated resources Limited, 1987 Exploration Programme, March 1988"

DRILLING BY ED FONTAINE DIAMOND DRILLING LTD - Kenora
core size B.Q.; core stored at Camreco Mine site

Bulldozing by Hutchinson Contractors, Dryden

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>[Signature]</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 Postal Address of Person Certifying
J. Langelaar, Norontex exploration Ltd.
3 Bedworth Road - Dryden - Ont. RR#1, box 7, site 11

Date Certified March 9, 1988	Certified by (Signature) <i>[Signature]</i>
---------------------------------	--

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.		

Mining Act

Name and Postal Address of Recorded Holder MISTANGO CONSOLIDATED RES.LTD, transferred to CAMRECO INC 120 Adelaide Street west, 11th Floor, Toronto - Ontario M5H 1V1 ph; 416-363-6395	Prospector's Licence No. T4853
---	-----------------------------------

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 178 days	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input checked="" type="checkbox"/> Power Stripping <input type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K	645074	8	K	645083	10	K	645110	10			
		645076	10		645084	10		645111	10			
		645077	10		645104	10						
		645078	10		645105	10						
		645079	10		645106	10						
		645080	10		645107	10						
		645081	10		645108	10						
		645082	10		645109	10						

All the work was performed on Mining Claim(s): K645074 , K645075 & ~~645038~~ 639105 E 639106 9:

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

BULLDOZING CONDUCTED DURING TWO DAYS @ \$2250⁰⁰ total cost(balance of cancelled cheque pertains to dozing on Goldlund preproperty. Equipment: D-9 Cat. Owner/operator Hutchinson Contractors, Highway 17, Dryden, Ontario.

178 days credit used as per above; balance of 47 days to be used elsewhere.

Bulldozed area maps submitted in report by J.Langelaar "Mistango Consolidated Resources Limited, 1987 Exploration Programme" dated March 9,1988.

Proof of payment enclosed (copy cancelled cheque and endorsment on back.)

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>J. Langelaar</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 Postal Address of Person Certifying
J.Langelaar, Norontex Exploration Ltd, 3 Bedworth Road, R.R.#1, box 7, site 11
Dryden - Ont. P8N 2Y4 807-937-5085

Date Certified March 9, 1988	Certified by (Signature) <i>J. Langelaar</i>
---------------------------------	---

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work /operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing; footage, diameter of	JUNE 20 & June 30th 1987	Work Sketch (as above) in duplicate



Mining Act

Name and Postal Address of Recorded Holder CAMRECO INC. 120 Adelaide Street west, 11th Floor	Prospector's Licence No. T4853.
Toronto - Ontario M5H 1V1	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 280 days	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	P	972291	40						
		972293	40						
		972286	40						
		972287	40						
		972249	40						
		972248	40						
	972247								

All the work was performed on Mining Claim(s): **K 645074, 645075, 639105 and 639106 LAVAL TOWNSHIP!!!!!!!!!!**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

SEE ALSO ENCLOSED COPY OF WORK REPORT SENT TO KENORA!!

The 280 days claims is a portion of the balance of 443 days credit, thus leaving a **BALANCE OF 163 DAYS (FEET)** still unused.

DRILL LOGS SUBMITTED IN REPORT BY Langelaar, dated March 9, 1988, entitled "Mistango Consolidated Resources Limited, 1987 Exploration programme, March 1988"

Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD. KENORA Ontario. coresize B.Q. Core stored at Camreco Mine site.

Date of Report March 9, 1988	Recorded Holder or Agent (Signature) <i>[Signature]</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 Postal Address of Person Certifying J. Langelaar, Norontex exploration Ltd. RR N°1, box 7, site 11	
Dryden - ont. ph: 807-937-5085	Date Certified March 9, 1988
Certified by (Signature) <i>[Signature]</i>	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate



Ministry of
Natural
Resources

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

KENORA

- Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Mining Act

Type of Survey(s) ASSAYING	Township or Area Laval TWP M-3370
Claim Holder(s) CAMRECO INC. 120 Adelaide Street west 11th Floor	Prospector's Licence No. T 4853
Address Toronto - Ontario M5H 1V1	
Survey Company Norontex Exploration Ltd.	Date of Survey (from & to) Summer, 1987
Name and Address of Author (of Geop. Technical report) 3 Bedworth road, RR N°1, box 7, site 11 Dryden - Ontario P8N 2Y4	Total Miles of Line Cut n.a.

Special Provisions	Geophysical	Days per Claim
For first survey. Enter 40 days. (This includes time offing)	Electromagnetic	
	Magnetometer	
For each additional survey, using the same grid. Enter 20 days. (for each)	Radiometric	
	Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter totals here	Geophysical	Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)					
Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
K	972250				
	972246				
	972245				
	972244				
	972235				
	972236				
	972237				

Expenditures (excludes power tripping)

Type of Work Performed
ASSAYING - 163 samples @ \$8⁰⁰ per sample

Performed on Claim(s)
K 645074, 645075, 639105 and 639106

Calculation of Expenditure Days Credits

Total Expenditures	Total Days Credits
$\$163 \times 8^{00} (1304)$	$15 = 86.9$

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **7**

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Date **March 9, 1988** Recorder/Inspector 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 Postal Address of Person Certifying
J. Langelaar - Norontex Exploration Ltd. Dryden - Ontario

RR N° 1, box 7, site 11

Date Certified **March 9, 1988** Certified by (Signature) *[Signature]*

FIRE ASSAYING LTD.
 BOX 253
 COCHENOUR, ONTARIO POV 1L0

OM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-6
 Res. (807) 662-3

AUL OKANSKI, Assayer
 Cochenour, Ontario POV 1L0

Date July 3 1987
 M. W. BOWEN EXP. 12/31/87

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.
1		1/4 Sp. P. 12.800		112.00
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

33

app. for Payment
 July 7, 1987
 S. K. [Signature]
 #1197

ASSAY CERTIFICATE

Date: July 3, 1987.

on	oz/ton Au	oz/ton Ag
	Trace	float
	.04	cut #2 n
	.06	"
	.04	"
	.08	"
	.42	"
**	Trace	Mistango
**	"	"
76	**	"
	**	"
	**	"
76	**	.40 Ag
	**	"
	**	"
	.01	"

NOTE: ** are Mistango reconnaissance samples. Total 8.

Assayer: Paul Okanski

13 | 13
 14 | 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25

REDIFORM - 58523E

155 samples are MISTANGO'S: for results
see drill logs.

CUSTOM FIRE ASSAYING LTD.
BOX 253
COCHENOUR, ONTARIO POV 1LO

Date: Oct 29 1987

M. NORONTE EXPLORATION
CAMBE CO

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.
1	159	575.00		1,272.00
2				
3				
4		CAMBE CO		
5				
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7				
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10				
11				
12				
13				
14				
15				

39

app.
W. Chapman
Nov. 16, 1987



Mining Act

Name and Postal Address of Recorded Holder CAMRECO INC. 120 Adelaide Street west, 11th Floor	Prospector's Licence No. T4853.
Toronto - Ontario M5H 1V1	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 280 days	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	P	972291	40						
		972293	40						
		972286	40						
		972287	40						
		972249	40						
		972248	40						
		972247							

All the work was performed on Mining Claim(s): K 645074, 645075, 639105 and 639106 **LAVAL TOWNSHIP!!!!!!!!!!**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

SEE ALSO ENCLOSED COPY OF WORK REPORT SENT TO KENORA!!

The 280 days claims is a portion of the balance of 443 days credit, thus leaving a BALANCE OF 163 DAYS (FEET) still unused.

DRILL LOGS SUBMITTED IN REPORT BY Langelaar, dated March 9, 1988, entitled "Mistango Consolidated Resources Limited, 1987 Exploration programme, March 1988"

Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD. KENORA Ontario. coresize B.Q. Core stored at Camreco Mine site.

Date of Report March 9, 1988	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 Postal Address of Person Certifying J. Langelaar, Norontex exploration Ltd. RR N°1, box 7, site 11	
Dryden - ont. ph: 807-937-5085	Date Certified March 9, 1988
Certified by (Signature) 	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing; footage, diameter of core, number and angles of holes		Work Sketch (as above) in duplicate



Name and Postal Address of Recorded Holder MISTANGO CONS. RES.LTD transferred to CAMRECO INC	Prospector's Licence No. T 4853
120 Adelaide Street West, 11th Floor, Toronto - Ontario M5H 1V1 ph: 416-364-6395	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core** drilling <input type="checkbox"/> Land Survey	K	639047	89	K	639059	89	K	639106	89
		639048	89		639060	89		639107	89
		639051	89		639061	89		639108	89
		639052	89		639066	89		639111	89
		639055	89		639067	89		639112	89
		639056	89		639108	89		639113	89
		639057	89		639104	89		639121	89
		639058	89		639105	89			

All the work was performed on Mining Claim(s): **K645074, 645075, 639105 & 639106**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Diamond drill holes M87-1 to M87-8 incl.; total footage 2490 feet
 Diamond drilling performed by ED FONTAINE DIAMOND DRILLING LTD.
 Kenora - Ontario ; core size B.Q. Core stored at Camreco Mine site!
 DRILL LOGS SUBMITTED IN REPORT BY J.LANGELAAR, dated March 9,1988, entitled
 "Mistango Consolidated Resources Limited, 1987 Exploration Programme, March 1988"
 TOTAL CREDITS USED FOR ABOVE CLAIMS = 2047! BALANCE OF 443 days to be applied elsewhere!

Date of Report March 9, 1988	Recorded by Holder or Agent (Signature) <i>[Signature]</i>
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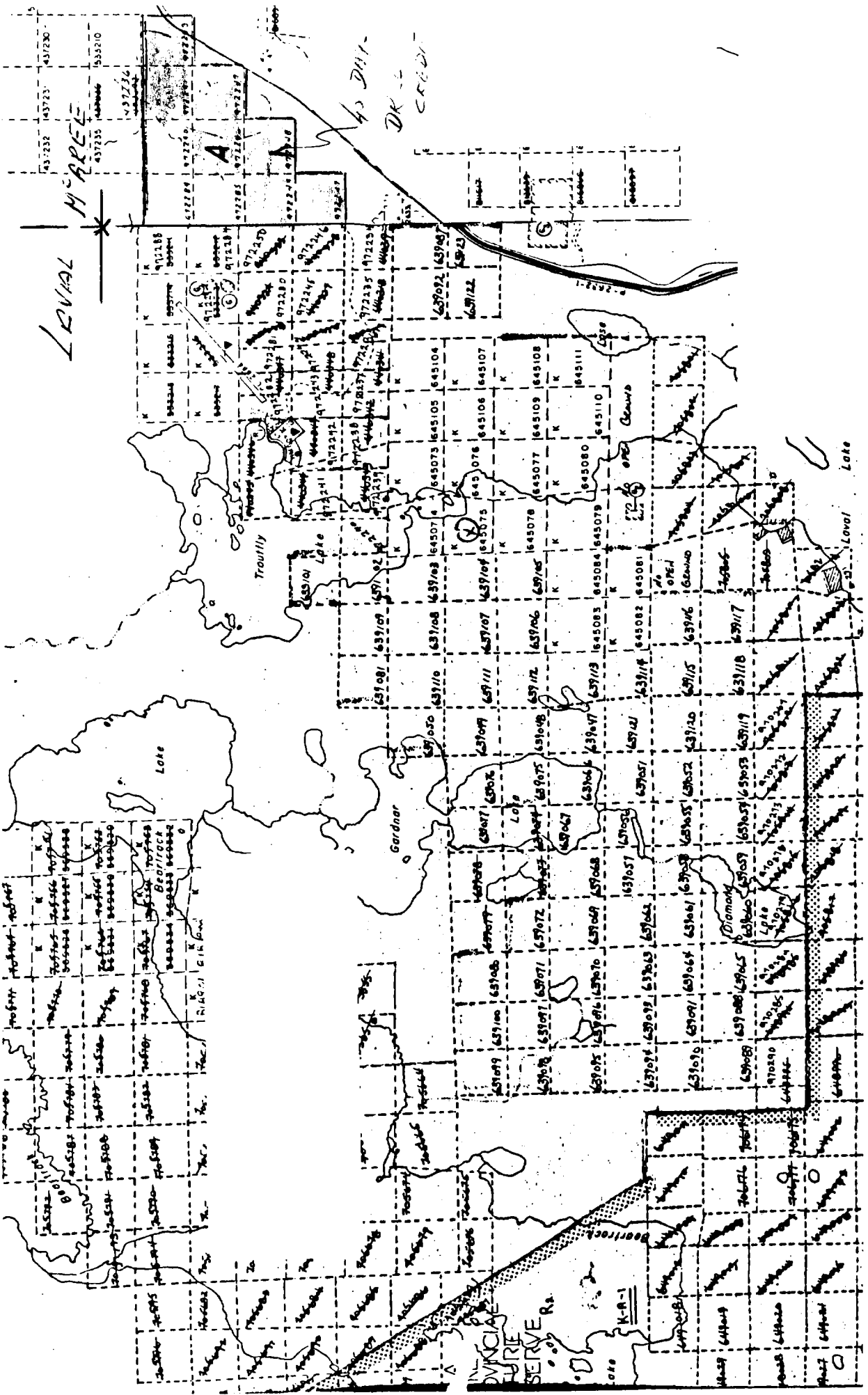
Certification Verifying Report of Work

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 Postal Address of Person Certifying J.Langelaar, Norontex Exploration Ltd. RR N° 1, box 7,site 11, 3 Bedworth Road	Date Certified March 9, 1988	Certified by (Signature) <i>[Signature]</i>
Dryden - Ontario: PH: 807-937-5085		

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core	Signed core log showing: footage, diameter of core, number and angles of holes		



L

M-ARCE

to D.M.K.
DK-2
C.R.E.D.I.

A

Trouilly

Lake

Gardner Lake

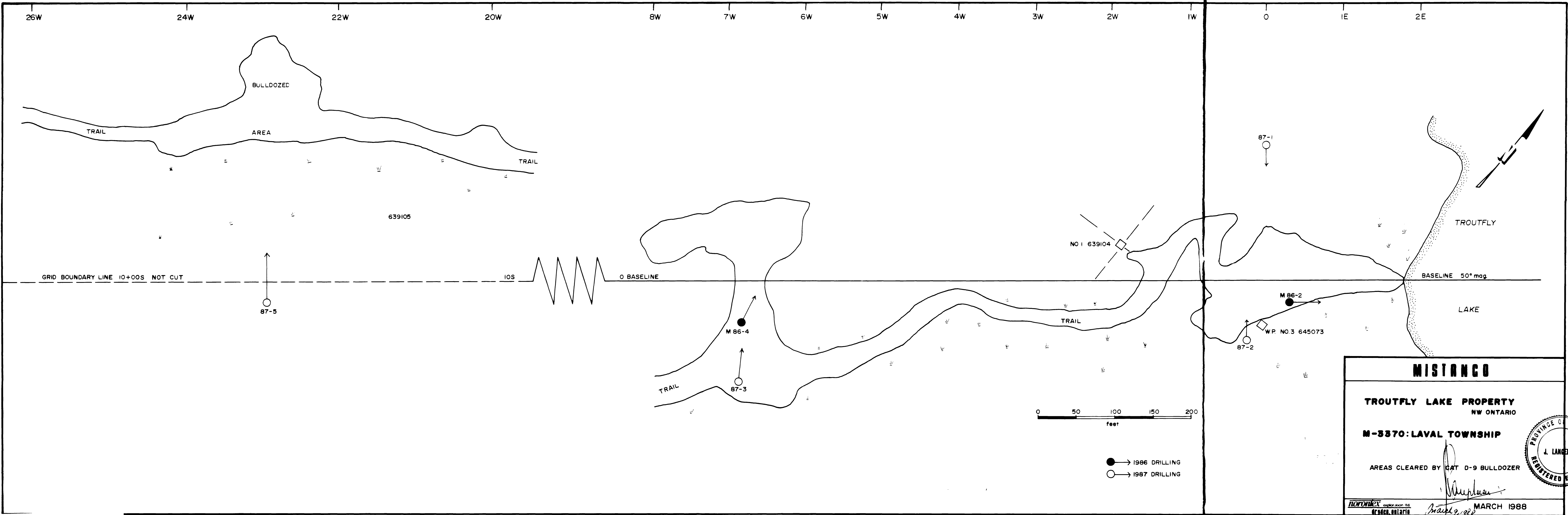
Lake

Diamant Lake

Laval Lake

DUNCAN'S RIVER
SERVE R.

K-A-1

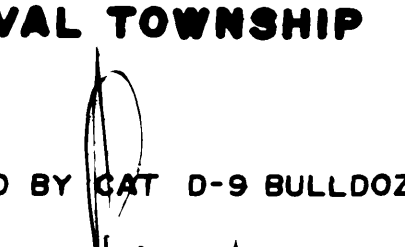


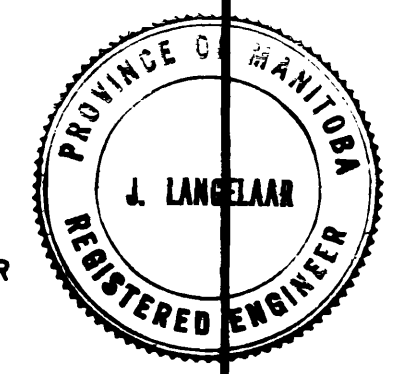
MISTANCO

TROUTFLY LAKE PROPERTY
NW ONTARIO

M-3570: LAVAL TOWNSHIP

AREAS CLEARED BY CAT D-9 BULLDOZER


 MARCH 1988



LAVAL TWP McAREE TWP



Tom Chief Lake

HIGHWAY 72

Tablerock Lake

Kathlyn Cr.

CAMRECO INC.



972293

972247

Sandybeach Lake

Trouffy Lake

639101

639081

Gardner Lake

639050

645104

639099 639100 639080

639077

639072

Lake

645081

645080

645111

Lake

Diamond Lake

639059

639117

Laval Lake

MISTANGO CONS. RESOURCES LIMITED & CAMRECO INC.

COMPILATION MAP

LAVAL & McAREE TOWNSHIPS

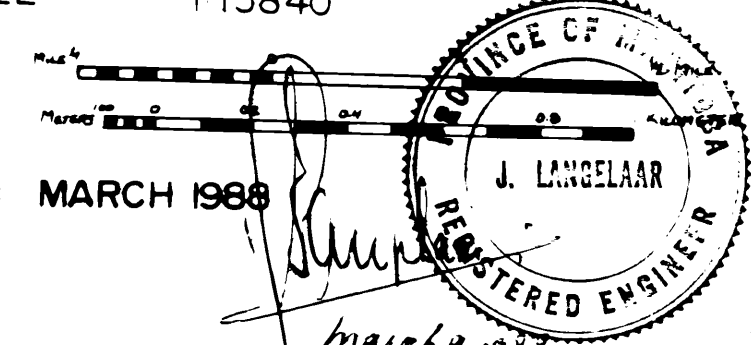
AFTER PRELIM. MAP. P2334, A.A. SPEED ET. AL, 1980

LEGEND:

- PRE-1978 drilling
- 1986-1987 drilling
- 1987 drilling '87-1 TO 87-8

SCALE: 1:15840

DATE: MARCH 1988



NORONTEX EXPLORATION LTD.

