



52F16SW0033 16 LAVAL

010

DIAMOND DRILLING

Township: Laval

Report No: 16

WORK PERFORMED FOR: Mistango Consolidated Resources Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
K 645078	M-86-1	450"	Dec/86	(1)
K 645074	M-86-2	472"	Dec/86	(1)
	M-86-3	250"	Jan/87	(1)
K 639104	M-86-4	300	Jan/87	(1)

TOTAL:

4DN

1472

NOTES: (1) #32-87 (filed in June/87)

REPORT
ON
DIAMOND DRILLING

Mistango Consolidated Resources Ltd.
Claim Group
Laval Twp. Northwestern Ontario

January 30, 1987

Chester J. Kuryliw, M.Sc., P.Eng.
Consulting Geologist



52F16SW0033 16 LAVAL

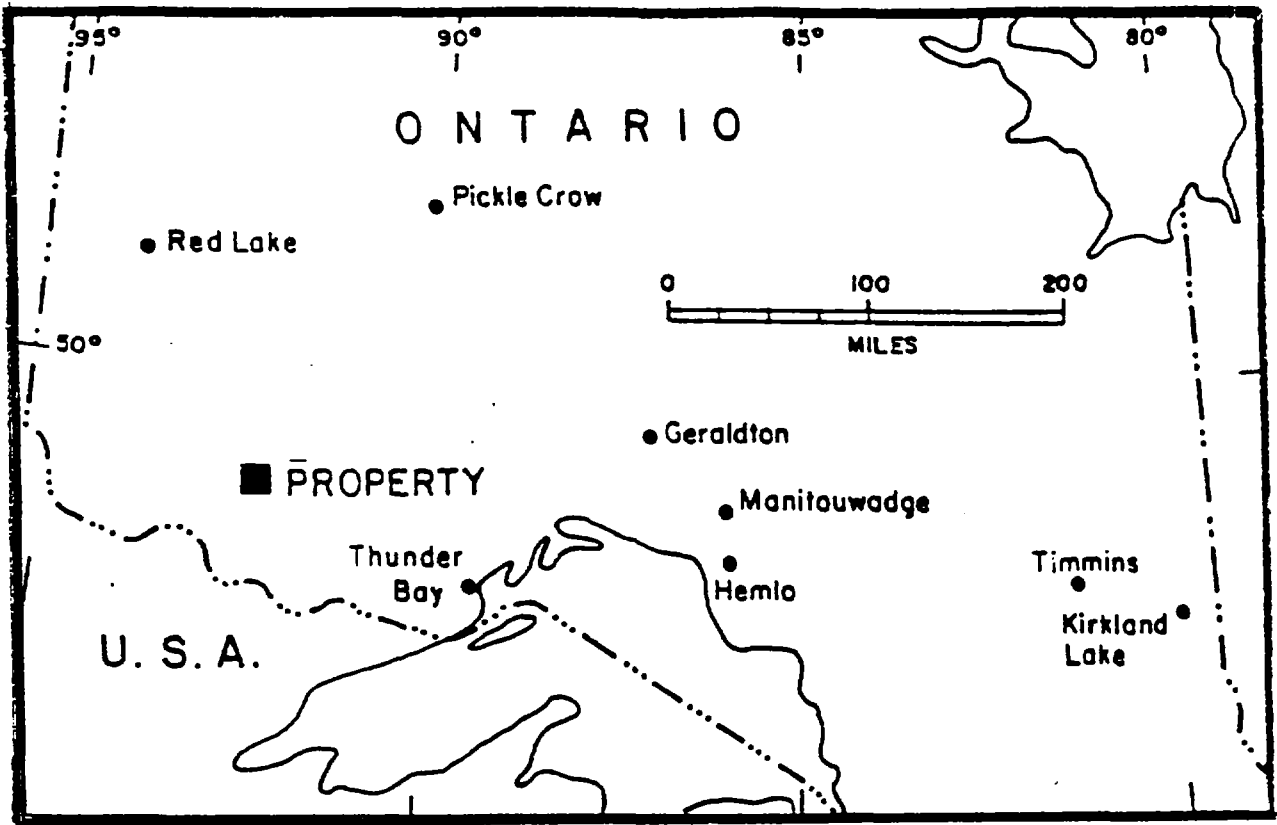
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 (M-86-1 - M-86-4 with assays)



LOCATION MAP
MISTANGO CONSOLIDATED RES. LTD.

PROPERTY, LOCATION AND ACCESS

The property consists of 92 contiguous, patented mining claims covering approximately 3,680 acres that are located south and west of Troutfly Lake in Laval Twp., in the Kenora Mining division of Northwestern Ontario.

The claims and there numbers are indicated on the claim map included with this report.

The property is located 16 miles N-E of Dinorwic a mile North of Hwy. 72 that connects Sioux Lookout to the Trans Canada Hwy. at Dinorwic. The property is 35 miles by Highways from Dryden, Ontario, a pulp and paper community of 6,500 that has a well developed infrastructure. Dryden is located on the Trans Canada Hwy and is served by the C.P. Railway and by daily Jet service flights to Winnipeg, Thunder Bay and points beyond. Natural gas and Hydroelectric power are available in the area.

Access to the property itself is by a secondary truck road that runs westward across the south part of the Claim Group from paved Highway No. 72.

HISTORY OF THE PROPERTY

The first recorded activity in the general area of the property was during 1950-51 by both Calder-Bousquet Mines Ltd. and Eclund Mines Ltd.

Calder-Bousquet was reported to have drilled 11 drill holes to test a zone 15 meters wide and 300 meters along strike to a depth of 30 meters. That company estimated that it had outlined 41,500 tons @ 0.15 oz. au. per ton. The accurate location of this deposit has not been established and it may occur to the N-W of the property??

In 1970-78 Silco Mining Corporation carried out EM and Magnetometer Surveys over parts of the southern claims and drilled to test some conductors as base metal targets.

In the spring of 1982 the Laval Twp. property was staked then acquired by Mistango, who then carried out an airborne VLF-EM and an airborne magnetometer survey over the whole property. Some limited geologic investigation and limited ground magnetic survey was carried out on the Eastern part of the claims. In 1984 Billiton Canada Ltd., optioned the property from Mistango. They cut 85 km. of grid and carried out a ground VLF-EM and a ground magnetic survey and geologic mapping over the entire property on a widely spaced grid with lines at 200 meter intervals.

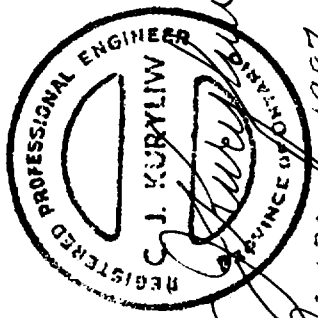
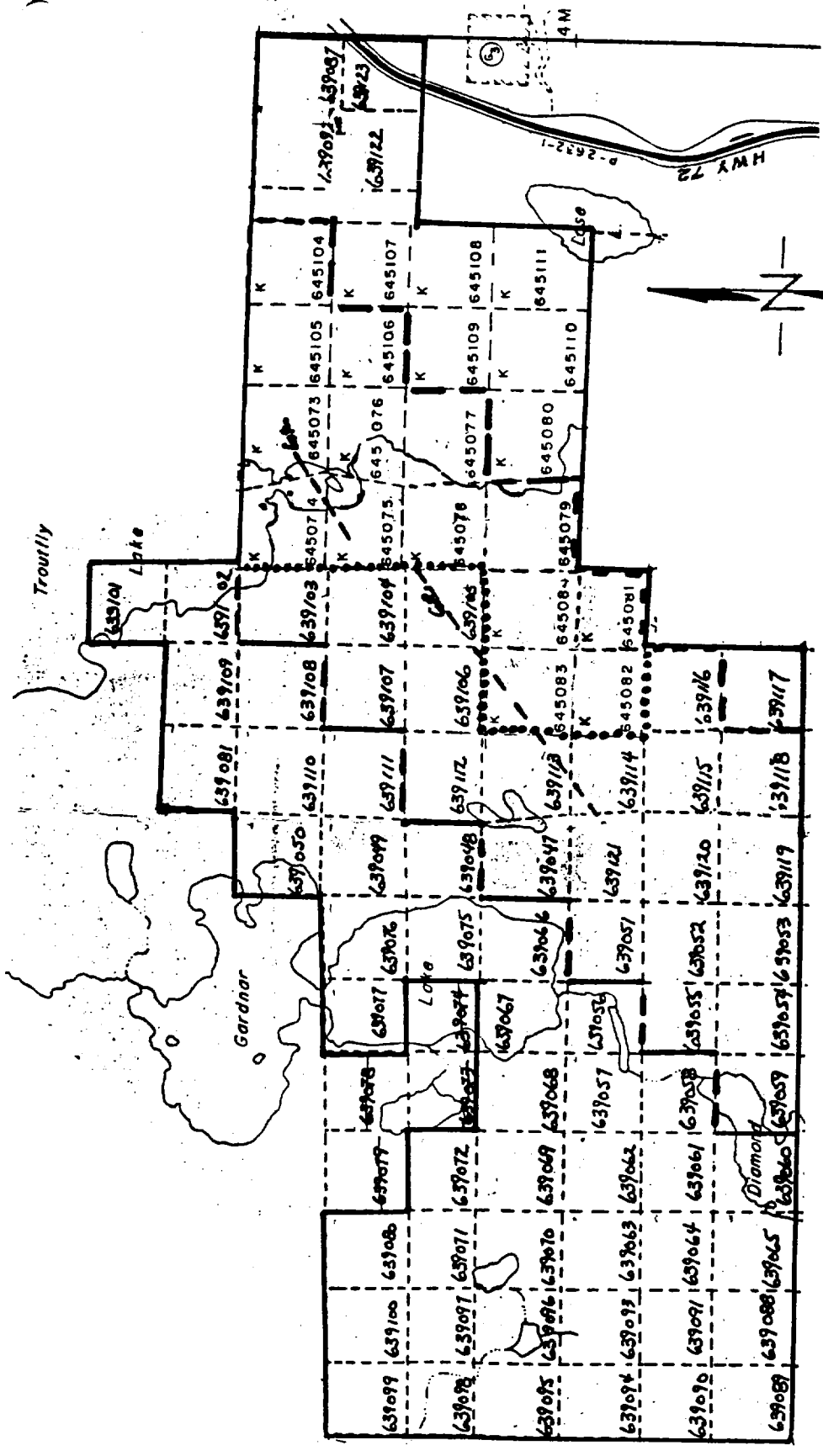
SUMMARY OF GENERAL AND LOCAL GEOLOGY

The General Geology of the immediate area is outlined on the plan of General Geology and Properties of Echo, McAree and Laval Twp.'s scale 1" = $\frac{1}{2}$ mile. (Please refer to enclosed map)

A belt of Basaltic Volcanic rocks comprise a Precambrian formation 2 miles wide that extends northeasterly across the full length of the map and beyond to both the N.E. and S.W. This basaltic formation is bound by Precambrian sediments to the North and to the South with a wedge of felsic volcanics that occurs between the Basalt and sediments to the South of the Basalt as indicated on the East side of the map area.

This Basaltic volcanic formation consists of a southern largely tuffaceous member that is about $\frac{1}{2}$ mile wide and a northern Basaltic series of spherulitic Basaltic flows inter-layered with Basaltic pillow lavas and some Tuffs.

Near the contact between the Tuffs to the South and the Spherulitic lavas to the North, a sill of "Granodiorite" has intruded the Tuffs near the contact. This conformably intruded Granodiorite dips from 50° - 80° Southwards and averages about 200 ft. in thickness. A subsidiary system of less extensive Granodiorite sills occurs as an intrusion into a narrow tuff bed in spherulitic Basalt lavas. This strata bound Granodiorite intrusion is known to extend from the Camreco-Goldlund and Windfall properties to the Mistango property just South of Troutfly Lake. It is postulated by this writer that the Granodiorite may occur intermittently along the same stratigraphic horizon between the Camreco and Mistango properties.



Jan 30 1987

MISTANGO CONSOLIDATED RESOURCES LTD.
CLAIM MAP

From M.N.R. Plan 3370 LAVAL TOWNSHIP, Ontario.

Scale : 1" = 1/2 Mile

At the Camreco, Windfall and Goldlund properties surface and underground diamond drilling and some stoping and open-pit work above the first level at the Goldlund Property indicates that the footwall portion of the Granodiorite over a width of 40' - 80' is strongly bleached and altered with quartz carbonate and pyrite mineralization. At Goldlund and Windfall the gold occurs concentrated and quartz filled cross fractures that trend N-5°-15°E and dip 35°-50°S-W. These gold bearing fractures occur concentrated in zones that extend intermittently at intervals of 600 - 1,000 ft. along the 1½ mile length of Granodiorite that has been heavily explored to a depth of 400' at Camreco's Windfall and Goldlund properties.

At the Mistango property the Granodiorites are found to occur at the same stratigraphic horizon as at Windfall and Goldlund. In the Billiton geological mapping the granodiorites have been traced over a length of 1½ miles. This drilling program in 1986-87 confirms the occurrence of a quartz-carbonate altered footwall portion, about 40 ft. thick that occurs in the Granodiorite. The discovery of a rich intersection of gold in drill hole M-86-4 is very significant to encourage further exploration in an attempt to outline a gold deposit there, or somewhere along the extensions of the Granodiorite.

Two granitic intrusive stocks are wedged into the Basalt formation at Gardner Lake and southwest of Crossecho Lake. A quartz-porphyry intrusion occurs in the basalt formation immediately south of the Granodiorite on the Goldlund property near Franciscam Lake. Another smaller quartz-porphyry intrusion occurs immediately North of the Granodiorite across the Windfall-Goldlund properties.

RESULTS OF DIAMOND DRILLING

Diamond Drill Hole M-86-1

This drill hole was spotted to cross a series of feldspar porphyry dykes that intrude the basalt Tuffs in an area where surface sampling by Billiton indicated very low gold values in feldspar porphyry. No significant gold values were returned from assays of the drill core.

Diamond Drill Hole M-86-2

This hole was collared on the West shore of the most southerly bay of Troutfly Lake (see plan of diamond drill holes scale 1" = 400'). This drill hole was collared in Granodiorite and was drilled partly along the granodiorite to test a greater portion of the quartz-carbonate altered footwall zone. Significantly strong quartz-carbonate alteration mineralized with pyrite was found to occur over a true thickness of about 40 feet along the footwall of the granodiorite. The granodiorite dips about 60° southeastwards and it appears to be about 150 - 200 ft. thick. Very low but significant gold values were intersected in the altered footwall rocks. These were -

depth 141.7 - 143.8, 2.1 ft. ran 0.008 oz. Au/Ton

depth 146.1 - 147.6, 1.5 ft. ran 0.006 oz. Au/Ton

depth 172.2 - 174.7. 2.5 ft. ran 0.012 oz. Au/Ton

Diamond Drill Hole M-86-3

This drill hole was collared 100 meters N-E of M-86-2 and was drilled northwards to test the Granodiorite dyke. Exceptionally deep overburden that consisted of organic mud

M-86-3 cont'd

was encountered. The drill hole collared in Granodiorite and then crossed the quartz-carbonate altered footwall rock.

Depth 143.8 - 145.9, 2.1 ft. ran 0.006 oz. Au/Ton

Depth 155.7 - 156.7, 1.0 ft. ran 0.034 oz. Au/Ton

Diamond Drill Hole M-86-4

This drill hole was collared 700 ft. southwest of M-86-2. The Granodiorite curved southwards so that the drill hole was collared in Granodiorite. The drill hole followed a bearing of N-25°-W and it crossed the quartz-carbonate altered footwall of the granodiorite. The intersection of the core and quartz filled fractures was at an angle of 10° - 20° to the core axis. Some very strong pinkish quartz carbonate alteration occurred from 92.0' - 97.8' and this section carried 7% coarse pyrite. No visible gold was recognized in the core but some may have occurred in the coarse pyrite in the sections sent for assay.

Depth 92.0 - 94.0, 2.0' ran 0.006 oz. Au/Ton

Depth 94.0 - 96.0, 2.0' ran 1.33 oz.'s Au/Ton

Depth 96.0 - 97.8, 1.8' ran 0.113 oz. Au/Ton

This is a very significant intersection because it indicates the presence of rich gold bearing alteration at the footwall of the Granodiorite dyke that is similar to some of the intersections at the Windfall-Goldlund gold deposits. This intersection should encourage a more aggressive exploration effort to test for gold-bearing

M-86-4 cont'd

deposits at the footwall of the Granodiorites on the Mistango property. The current knowledge of the complexity of this type of gold deposit requires some caution on the ore-making possibilities of this oblique intersection by itself.

CONCLUSIONS

The Precambrian stratigraphy at Mistango's Laval Twp. property is an extension to the S-W of the stratigraphy at Camreco's Goldlund property. The Granodiorite on Mistango's property also occupies the same stratigraphic horizon. The drilling program just completed indicates that the footwall (N-W side) of the Granodiorite has abundant quartz-filled fractures, quartz-carbonate alterations and pyritic mineralization. Some low gold values were located in drill holes M-86-2 and in M-86-3 in the altered footwall of the Granodiorite. In drill hole M-86-4 one rich gold bearing intersection returned an assay of 1.33 oz's gold per ton over a core length of two feet.

These marked similarities in stratigraphy, structural geology and gold bearing mineralization of the Mistango Granodiorites warrants a determined exploration program along the Granodiorite to search for gold deposits similar to Camreco's Goldlund and Windfall gold deposits.



January 30, 1987

Chester J. Kuryliw, M.Sc., P.Eng.

RECOMMENDATIONS

The exploration program recommended consists of the cutting of a detailed grid that traces the trends of the Granodiorite. This narrow detailed grid will be covered by a ground magnetic survey to help trace the granodiorites together with geologic mapping. Where overburden is shallow, bulldozer and backhoe stripping should be done along the full extent of the granodiorite near its footwall. The stripped and exposed altered granodiorite footwall should then be sampled. A series of short diamond drill holes 100 - 200 feet deep should be drilled along the altered footwall of the granodiorite to search for gold bearing deposits.

RECOMMENDATIONS CONT'D

Cost Estimates

(1) Linecutting - 24 miles @ \$350/mile	\$ 8,400.
(2) Ground Magnetic Survey - 24 miles @ \$175/mile	4,200.
(3) Geologic Mapping	8,000.
(4) Bulldozer and Backhoe stripping	15,000.
(5) Sampling and Assaying of stripped area -	9,400.
(6) Diamond Drilling - 30 drill holes @ 100'-200' deep Total 4,500' @ \$28/ft.	126,000.
TOTAL	<u>\$171,000.</u>



January 30, 1987

Chester J. Kuryliw, M.Sc., P.Eng.

CHESTER J. KURLIWI, M.Sc., P.Eng.
Consulting Geologist

C E R T I F I C A T E

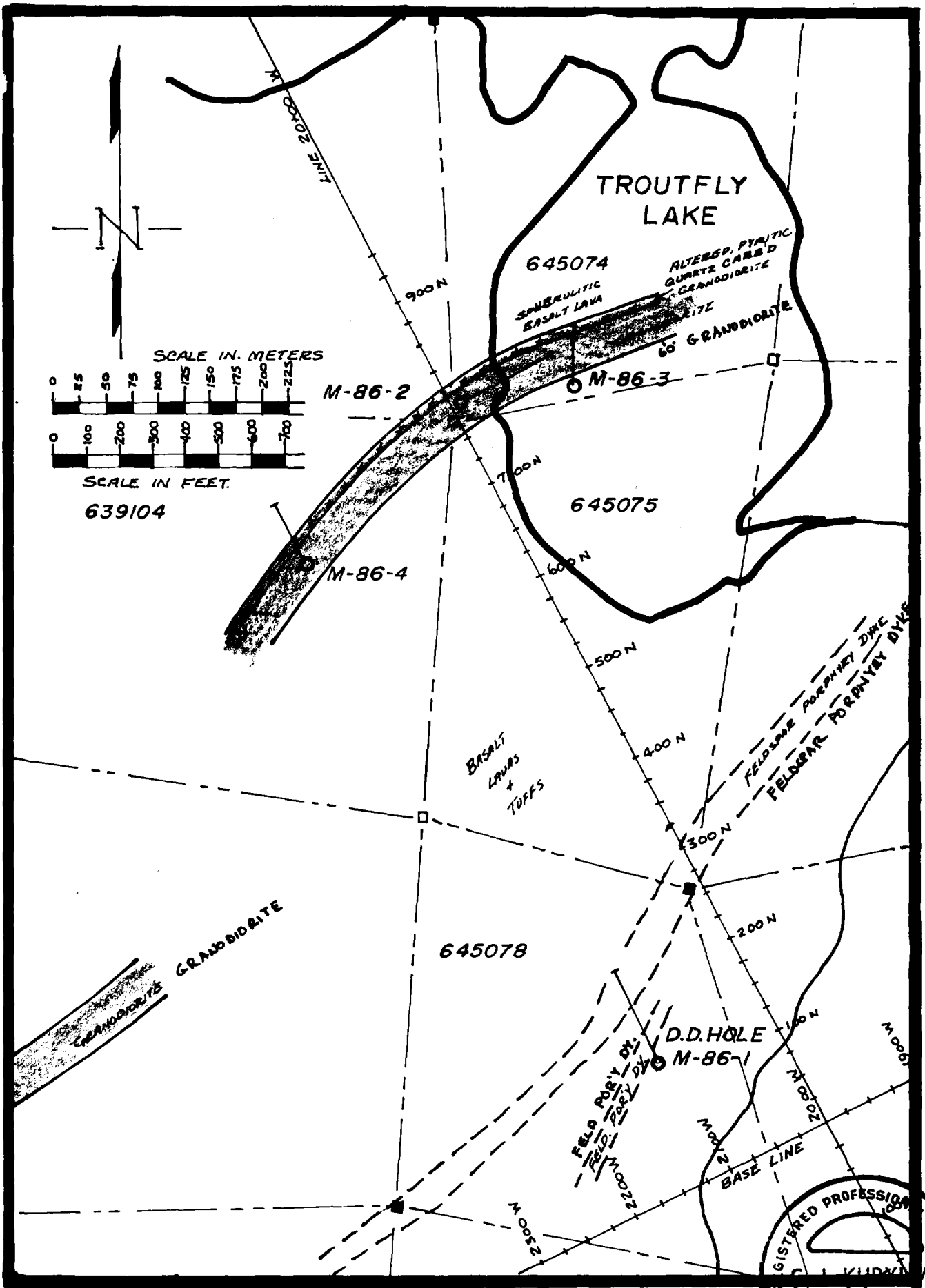
I, Chester J. Kuryliw of 46 Ingal Drive, Dryden Ontario, do hereby certify that:

- (1) I am a Professional Engineer and I am currently employed as a Consulting Geologist for several mining companies.
- (2) I am a graduate of:
The University of Manitoba B.Sc. Degree, 1949
The University of Manitoba M.Sc. Degree, 1966
- (3) I am a registered Engineer of the Association of Professional Engineers of Ontario and also Manitoba. I am a fellow of the Geologic Association of Canada, also a member of the Canadian Institute of Mining and Metallurgy.
- (4) I have practiced my profession for over 35 years, most of those years at gold mines, during which time I often planned, supervised and directed underground exploration, development and production.
- (5) My report is based upon an examination of the property and I planned and supervised this drilling program, logged the drill core and draughted the drill sections.



January 30, 1987

Chester J. Kuryliw, MSc. P.Eng.



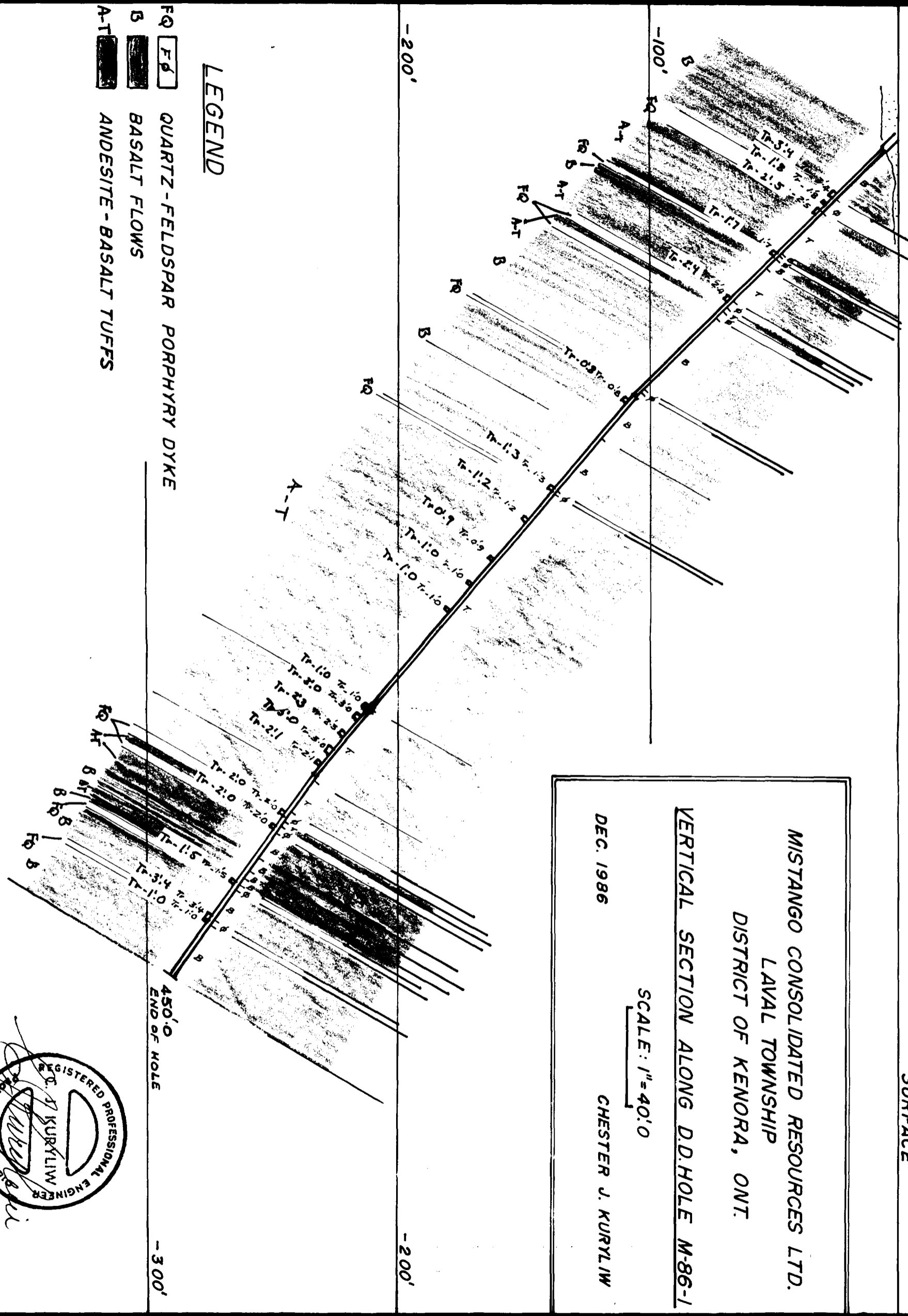
MISTANGO CONSOLIDATED RES. LTD.
 LAVAL TWP. NORTHWESTERN ONTARIO
 PLAN OF DIAMOND DRILLING, 1986-87

REGISTERED PROFESSIONAL ENGINEER
 PROVINCE OF ONTARIO
 Jan 30 1987

D. DRILL HOLE M-86-1
 BEARING N-25°-W

SURFACE

MISTANGO CONSOLIDATED RESOURCES LTD.
 LAVAL TOWNSHIP
 DISTRICT OF KENORA, ONT.
 VERTICAL SECTION ALONG D.D. HOLE M-86-1
 SCALE: 1" = 40' 0"
 DEC. 1986
 CHESTER J. KURYLIM



LEGEND

- FQ [Pattern] QUARTZ-FELDSPAR PORPHYRY DYKE
- B [Pattern] BASALT FLOWS
- A-T [Pattern] ANDESITE-BASALT TUFFS

ASSAYS: OZ. AU./TON OVER FOOT



AQ Core Size
Stored at Camreco

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. M-86-1 SHEET NO. 1

LATITUDE 1 + 30N Billiton Grid
(Mètres)

DATUM Claim K-645078

STARTED Dec 1, 1986

Laval Twp.

DEPARTURE 21 ± 15W

BEARING N-25°-W

COMPLETED Dec 8, 1986

ELEVATION

DIP Collar @ -45°

ULTIMATE DEPTH 450'

DEPTH FEET	FORMATION	FORMATION
------------	-----------	-----------

0-7.0 Casing in overburden

7.0-35.5 Andesite-Basalt volcanic tuff? strongly folliated at 45°-55° to core axis, a few rare narrow quartz-carb. filled fractures that run partly across the folliation, minor pyrite and pyrrhotite.

35.5-42.7 Feldspar-porphry dyke, Lt. greyish, 30% feldspar phenocrysts up to 5mm diam. set in a greyish feldspar-qtz-biotite groundmass. Its contacts run at 50° to core axis and it is conformable with the folliation in the volcanics. The colcanic wall rocks within a few feet of the feldspar -porphyry contacts are slightly qtz carbonitized and are mineralized with 1%-2% pyrite and pyrrhotite.

42.7-66.3 Andesite-Basalt volcanic, -tuff? strongly folliated @ 55° to core axis, minor narrow qtz. carb. filled cross fractures.

Drilled by: Ed. Fontaine Drilling

**DUPLICATE COPY
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AA CORE SIZE
STORED AT CHARRCO

DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD.
GEOLOGY

HOLE NO. M-86-1 SHEET NO. 1

LATITUDE 1430 N. BILLION GARD (METERS)

DATUM CLAMP N-645078 LAYAL TWP.

STARTED DEC 1, 1986

DEPARTURE 21745 W.

BEARING N-25°-W

COMPLETED DEC 8, 1986

ELEVATION

DIP COLLAR @

ULTIMATE DEPTH 450'

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE

DEPTH FEET	FORMATION
0 - 7.0	Cracking in overburden RECEIVED
7.0 - 35.5	Andesite-Basalt volcanic tuff? strongly foliated at 45°-55° to core axis, a few rare narrow quartz-carb. filled fractures that run partly across the foliation, minor pyrite and pyrrhotite.
35.5 - 42.7	Feldspar-porphyrty dyke, lt. greyish, 30% feldspar phenocrysts up to 5 mm. diam. set in a greyish feldspar-gtz-biotite groundmass & contacts run at 50° to core axis and it is conformable with the foliation in the volcanics. The volcanic wall rocks within a few feet of the feldspar-porphyrty contacts are slightly gtz-carbonitized and have mineralized with 10%-20% pyrite and pyrrhotite.
42.7 - 6.3	Andesite-Basalt volcanic tuff? strongly foliated @ 55° to core axis, minor narrow gtz. Carb. filled cross fractures.

10000000

DRILED BY Ed. Fontaine Shilling

SIGNED *C. J. Kuryliw*
CHESTER J. KURYLIW, M.Sc., P. Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. 86-M-1 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION
66.3-67.3	Andesite-dacite flow, lt. greenish grey, partly amygdaloidal
67.3-70.4	Feldspar-porphry dyke, contacts conform to foliation in volcanics @ 55° to C/A.
70.4-75.0	Andesite-dacite volcanic flow with amygdaloidal sections.
75.0-93.5	Andesite-basalt tuff, strongly folliated at 55° to C/A. 5% qtz. carb. blebs along the foliation.
93.5-98.0	Feldspar-porphry as above, contacts conformable to foliation @ 55° to C/A.
98.0-99.3	Andesite-basalt tuff as previously described
99.3-103.7	Feldspar-porphry dyke, dark greyish, 10% feldspar phenocrysts, groundmass is richer in biotite than usual, contacts @ 55° to C/A. conformable to the volcanic foliation.

Drilled by: Ed. Fontaine Drilling

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DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD. GEOLOGY

HOLE NO. *26-N-1* SHEET NO. *2*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION
66.3-67.3	Andesite-lacite flow, lt. greenish grey, partly amygdaloidal.
67.3-70.4	Feldspar-porphry dykes, contacts conform to foliation in volcanics @ 55° to 90°.
70.4-75.0	Andesite-lacite volcanic flow with amygdaloidal sections.
75.0-93.5	Andesite-Basalt tuff, strongly foliated at 55° to 90°, 5% gr. carb. blks along the foliation.
93.5-98.0	Feldspar-porphry as above, contacts conformable to foliation @ 55° to 90°.
98.0-99.3	Andesite-Basalt tuff as previously described.
99.3-103.7	Feldspar-porphry dykes dark greyish, 10% feldspar phenocrysts, groundmass of vesicles in biotite than basal, contacts @ 55° to 90° conformable to the volcanic foliation.

DRILLED BY *Ed. Fortain Drilling*

(SIGNED) *C. Kurylow*
 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. 86-M-1 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
103.7-144.0		Andesite-basalt lava? with a few narrow interbands of andesite-basalt tuff. A less foliated rock foliation @50° to C.A. Some of the tuffaceous narrow interbands carry minor Py. Po and magneite.
144.0-145.7		Feldspar-porphry dyke, contacts conformable @ 50° to C/A.
145.7-170.0		Andesite-basalt lava with a few narrow interbands of tuff, weak foliation @ 55° to C/A.
170.0-198.5		Basalt tuff, dk. greenish, with amphibole-chlorite folliated @ 55° to C/A. Some minor qtz-carb. blebs alongthe folliation
198.5-200.0		Feldspar-porphry dyke, conformable to folliation.
200.0-315.0		Basalt tuff, dk. greenish, folliated at 60° to C/A, 3% qtz. carb. blebs along the folliation.

Drilled By: Ed. Fontaine Drilling

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MISTANGO CONS. RES. LTD. GEOLOGY

HOLE NO. 86-H-1 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
103.7-144.0	Andesite - Basalt lava? with a few narrow interbeds of andesite - basalt tuff. a few foliated rock. foliation @ 50° to 90°. Some of the tuffaceous narrow interbeds carry minor py. po and magnetite.	
144.0-145.7	Feldspar - porphyry dyke, contacts conformable @ 50° to 90°.	
145.7-170.0	Andesite - Basalt lava with a few narrow interbeds of tuff, weak foliation @ 55° to 90°.	
170.0-198.5	Basalt tuff, dk. greenish, with considerable white foliated @ 55°-60° to 90°, some minor gr. carb. shales along the foliation.	
198.5-200.0	Feldspar - porphyry dyke, conformable to foliation.	
200.0-315.0	Basalt tuff, dk. greenish, foliated at 60° to 90°, 30% gr. carb. shales along the foliation.	

DRILLED BY Ed. Fontaine Drilling

SIGNED C. Kurylow
 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. 86-M-1 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
315.0-352.0	Basalt tuff with frequent qtz. carb. alt'n in irreg. qtz carb. stringers and in part along the foliation. The qtz. carb. altered portions carry some pyrrhotite and pyrite.	
352.0-368.4	Basalt tuff, partly foliated at 60°-65° to C/A. Carb. alt'n is rare, a few slightly pinkish fine garnets up to 2mm diam.	
368.4-373.0	Feldspar-porphry dyke, contacts are conformable to the foliation at 65° to C/A.	
373.0-375.3	Basalt tuff, dk. greenish, weakly foliated.	
375.3-378.0	Feldspar-porphry dyke, strongly bleached with qtz. carb. alt'n, also some black qtz. tourmaline in fractures along the core.	
378.0-390.5	Basalt tuff, foliated at 65° to C/A, dk. greenish, qtz. carb. alt'n is rare.	

Drilled By: Ed. Fontaine Drilling

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MISTANGO CONS. RES. LTD. GEOLOGY

HOLE NO. *86-A-1* SHEET NO. *4*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
315.0 - 352.0	Basalt tuff with frequent gtr. carb. alt'n in clay. gtr. carb. stringers and in part along the foliation. The gtr. carb. altered portion carry some very small pyrrhotite and pyrite.	
352.0 - 368.4	Basalt tuff, partly foliated at 60° - 65° to Cla. Carb. alt'n is heavy & few slightly pinkish fine granules up to 2mm. diam.	
368.4 - 373.0	Feldspar-porphyr dyke. Contacts are conformable to the foliation at 65° to Cla.	
373.0 - 375.3	Basalt tuff, dk. greenish, weakly foliated.	
375.3 - 378.0	Feldspar-porphyr dyke, strongly bleached with gtr. carb. alt'n, also some black gtr. tourmaline in fractures along the core.	
378.0 - 390.5	Basalt tuff, foliated at 65° to Cla, dk. greenish, gtr. carb. alt'n is rare.	

DRILLED BY *Ed. Fortaine Drilling*

SIGNED *C. J. Kurylow*
 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. 86-M-1 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
390.5-396.3	Feldspar-porphry dyke contacts are conformable with the volcanic foliation, minor qtz carb. alt'n.	
396.3-399.7	Basalt tuff, dk. greenish, with more amphibolitic bands that carry some magnetite and minor Po.	
399.7-403.6	Basalt lava, dk. greenish, amphibolitic with some narrow interbands of amphibolitic tuff that carry a few fine pink garnets, some minor Po and magnetite and rare pyrite.	
403.6-406.2	Feldspar-porphry dyke, conformable with contacts, A $\frac{1}{2}$ " qtz. carb. veinlet with some black tourmaline that runs along the core.	
406.2-421.0	Basalt lava mixed with lesser basalt tuff.	
421.0-424.6	Feldspar-porphry dyke, 40% qtz. carb. alt'n in fractures that run along the core. Some pyrite and black tourmaline.	

Drilled by: Ed. Fontaine Drilling

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HOLE NO. 86-N-1 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION
390.5 - 396.3	Feldspar-propylite dykes. Contacts are conformable with the volcanic formation, minor gr. carb. alt.
396.3 - 399.7	Basalt tuff, dk. greenish, with more amphibolitic bands that carry some magnetite and minor po.
399.7 - 403.6	Basalt lava, dk. greenish, amphibolitic with some narrow interbands of amphibolitic tuff that carry a few fine pink garnets, some minor po. and magnetite and have pyrite.
403.6 - 406.3	Feldspar-propylite dykes conformable with contacts, a 1/2" gr. carb. veinlet with some black tourmaline that occurs along the core.
406.3 - 421.0	Basalt lava mixed with lesser basalt tuff.
421.0 - 424.6	Feldspar-propylite dykes, 40% gr. carb. alt in fracture that occur along the core. Some pyrite and black tourmaline.

SCALE 1:1000

DRILLED BY *Ch. Fontaine Drilling*

SIGNED *C. J. Kurylow*
 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. 86-M-1 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
------------	-----------	-----------

424.6-450.0 Basalt lava with minor basalt tuff. Dk. greenish, folliated at 60°-65° to core axis. minor qtz. carb. alt'n.

450.0 END OF HOLE

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DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD. GEOLOGY
 HOLE NO. *SG-4-1* SHEET NO. *6*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
424.6 - 450.0	Basalt lava with minor basalt tuffs.	
	Dk. granitic, foliated at 60°-65° to core axis.	
	medium gr. carb. alk. in.	

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 SIGNED CHESTER J. KURLIW, M.Sc., P. Eng. CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

SAMPLING

HOLE NO. 86-M-1 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED Nov 30, 1986

DEPARTURE _____ BEARING _____ COMPLETED Dec 8, 1986

ELEVATION _____ DIP _____ ULTIMATE DEPTH 450.0

DEPTH FEET	FORMATION	Sample No.	From To	Width	Ozs Au
32.9-36.3	Andesite-basalt tuff, 5% qtz. carb. alt'n in bands along the colliation, 2% Py and 2% Po	150		3.4	Tr
38.5-40.3	Feldspar-porphry dyke, a 1/4" qtz black tourmaline fracture runs partly along the core, with some qtz-carb bleaching periferal to the fracture 1/2% Py.	151		1.8	Tr.
42.8-45.3	Andesite-basalt, 5% qtz carb. alt'n along bands with 1% Py, 2% Po and some magnetite along the altered portions.	152		2.5	Tr
67.3-69.0	Feldspar-porphry dyke, a 1/4" black qtz. tourmaline fracture follows the core with some qtz. carb. bleached wall rock, minor Py.	153		1.7	Tr

Drilled by: Ed Fontaine Drilling

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DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD.

SAMPLING

HOLE NO. 86-11-1 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED Nov. 30, 1986

DEPARTURE _____ BEARING _____ COMPLETED DEC 8, 1986

ELEVATION _____ DIP _____ ULTIMATE DEPTH 450'

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	GRS. AN
32.9-36.3	Andesite - Basalt tuff, 5% grt. carb. alt'm in bands along the foliation, 2% PY and 2% Po.	150			3.4	Tr
38.5-40.3	Feldspar - porphyry dyke, a 1/4" grt - black tourmaline fracture runs partly along the core, with some gr. carb bleaching peripheral to the fracture. 1/2% PY.	151			1.8	Tr
42.8-45.3	Andesite - Basalt, 5% grt. carb. alt'm along bands with 1% PY, 2% PO. and some magnetite along the altered portions.	152			2.5	Tr
67.3-69.0	Feldspar - porphyry dyke, a 1/4" black grt. tourmaline fracture follows the core with some gr. carb. bleached wall rock, minor PY.	153			1.7	Tr

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SAMPLING

HOLE NO. 86-M-1 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From	To	Width	Ozs Au
93.0-95.4	Feldspar-porphyry dyke - Two 1/4" qtz. filled cross fractures @60° to C/A. Minor Py. Also a 1/4" black qtz. tourmaline filled fractures that runs @ 15° to C/A 2% Py.	154			2.4	Tr.
152.0-152.8	Basalt, two qtz. carb. irreg. stringers along the foliation 3% Py, 1% Po.	155			.8	Tr.
198.5-199.8	Feldspar-porphyry dyke with a 3" qtz. carb. veinlet @ 45° to c/A and a 1/4" black qtz. tourmaline that runs along the core which carries 5% Py in the tourmaline fracture	156			1.3	Tr.
215.2-216.4	Basalt-Tuff, 10% qtz. carb. alt'n along foliation, 2% Po, 1% Py	157			1.2	Tr.

Drilled by: Ed. Fontaine Drilling

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DIAMOND WELL RECORD
MISTANGO CONS. RES. LTD. **SAMPLING**

HOLE NO. 86-M-1 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au
93.0 - 95.4	Feldspar - porphyry dyke - Two 1/2" gtr. filled. Also fractures @ 60° to 90°. minor py. Also a 1/4" black gtr. tourmaline filled fractures that runs @ 15° to 90° 2% py.	154			2.4	To
152.0 - 152.8	Basalt, Two gtr. carb. stringers along the foliation. 3% py. 1% po.	155			.8	To
198.5 - 199.8	Feldspar - porphyry dyke with a 3" gtr. carb. veinlet @ 45° to 90° and a 1/4" black gtr. tourmaline that runs along the core which carries 5% py. in the tourmaline fracture.	156			1.3	To
215.2 - 216.4	Basalt - Tuff, 10% gtr. carb. along foliation, 2% po, 1% py.	157			1.2	To

DRILLED BY *Ed. Fontaine Shilling*

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 CHESTER J. KURLYOW, M.Sc., P. Eng.
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SAMPLING

HOLE NO. 86-M-1 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From	To	Width	Ozs Au
236.4-237.3	Basalt-tuff. A 2" qtz. carb. vein along foliation, 1% Py	158			.9	Tr
248.7-249.7	5% qtz. carb. alt'n, 3% Py 2% Po	159			1.0	Tr
262.8-263.8	Basalt tuff, 10% qtz. carb. as stringers 1% Py 2% Po	160			1.0	Tr
315.7-316.7	Basalt tuff, 20% qtz. carb. alt'n in stringers along foliation 7% Py a few specks of brownish-red sphalerite.	161			1.0	Tr
319.7-322.7	Basalt tuff 7% qtz. carb. in irreg. stringers minor Py	162			3.0	Tr
329.0-331.3	Basalt tuff. 15% qtz. carb. alt'n, 2% Py in the carb. minor Po	163			2.3	Tr.

Drilled by: Ed. Fontaine Drilling

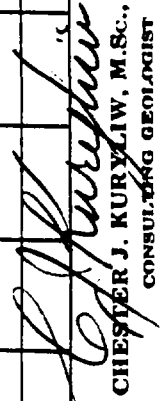
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DIAMOND D LL RECORD
MISTANGO CONS. RES. LTD. **SAMPLING**

HOLE NO. *86-M-1* SHEET NO. *3*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	W/S AM
236.4-237.3	Basalt-tuff. 6-2" gtz. carb. vein along foliation, 1% py.	158			.9	To
248.7-249.7	5% gtz. carb. alt'n, 3% py. 2% po.	159			1.0	To
262.8-263.8	Basalt tuff. 10% gtz. carb. and stringers, 1% py. 2% po.	160			1.0	To
315.7-316.7	Basalt tuff. 20% gtz. Carb. alt'n in stringers along foliation, 1% py. a few specks of brownish- red apatite.	161			1.0	To
319.7-322.7	Basalt tuff. 7% gtz. carb in arg. stringers. minor py.	162			3.0	To
324.0-331.3	Basalt tuff. 15% gtz. carb. alt'n, 2% py. in the carb. minor po.	163			2.3	To


 CHESTER J. KURYLIW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

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DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

SAMPLING

HOLE NO. 86-M-1 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No	From	To	Width	Ozs Au
337.9-340.9	Basalt tuff, 10% qtz. carb. alt'n along stringers, 2% Po minor Py	164			3.0	Tr
344.2-346.3	Basalt tuff, 5% qtz. carb. in alt'n and stringers 2% Po, minor Py	165			2.1	Tr
370.0-372.0	Feldspar porphyry, 1/2" qtz vein runs along the core 1/8 Py, a few specks of galena in one small patch in the qtz.	166			2.0	Tr
375.8-378.0	Feldspar porphyry, strongly bleached by qtz. carb. alt'n 10% black qtz. tourmaline in fractures along the core 2% Py.	167			2.2	Tr
404.0-405.5	Feldspar porphyry - 30% qtz. carb. in veinlet along the core 3% Py 5% black tourmaline along fractures, strongly qtz. carb. bleached wallrock	168			1.5	Tr

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DIAMOND DRILL RECORD
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HOLE NO. *56-M-1* SHEET NO. *4*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au
337.9 - 340.9	Basalt tuff, 10% gtz. carb. alt'n along stringers, 2% po. minor py.	164			3.0	To
344.2 - 346.3	Basalt Tuff, 5% gtz. carb. in alt'n and stringers. 2% po. minor py.	165			2.1	To
370.0 - 372.0	Feldspar porphyry, 1/2" gtz. vein runs along the core, 1/2% py., a few specks of galena in ore. Small patches of chert.	166			2.0	To
375.8 - 378.0	Feldspar porphyry, strongly bleached by gtz. carb. alt'n, 10% black gtz. tourmaline in fractures along the core, 2% py.	167			2.2	To
404.0 - 405.5	Feldspar porphyry - 30% gtz. carb. in veinlet along the core. 30% py. 5% black tourmaline along fractures, strongly gtz. carb. bleached with chert.	168			1.5	To

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SIGNED *C. Kuryliw*
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DIAMOND DRILL RECORD

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SAMPLING
86-M-1 SHEET NO. 5

HOLE NO. 86-M-1 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From To	Width	Ozs Au
421.3-424.4	Feldspar-porphry, 30% qtz. carb. in fractures along the core. Strongly qtz. carb. bleached wallrock, 3%, 1% py, 5% black tourmaline	169		3.1	Tr
424.4-425.6	Basalt lava and tuff, 10% qtz. carb. alt'n, 4% po and a coarse speck of chalco in qtz. carb.	170		1.2	Tr

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DIAMOND HILL RECORD
MISTANGO CONS. RES. LTD. SAMPLING

HOLE NO. *SB-M-1* SHEET NO. *5*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

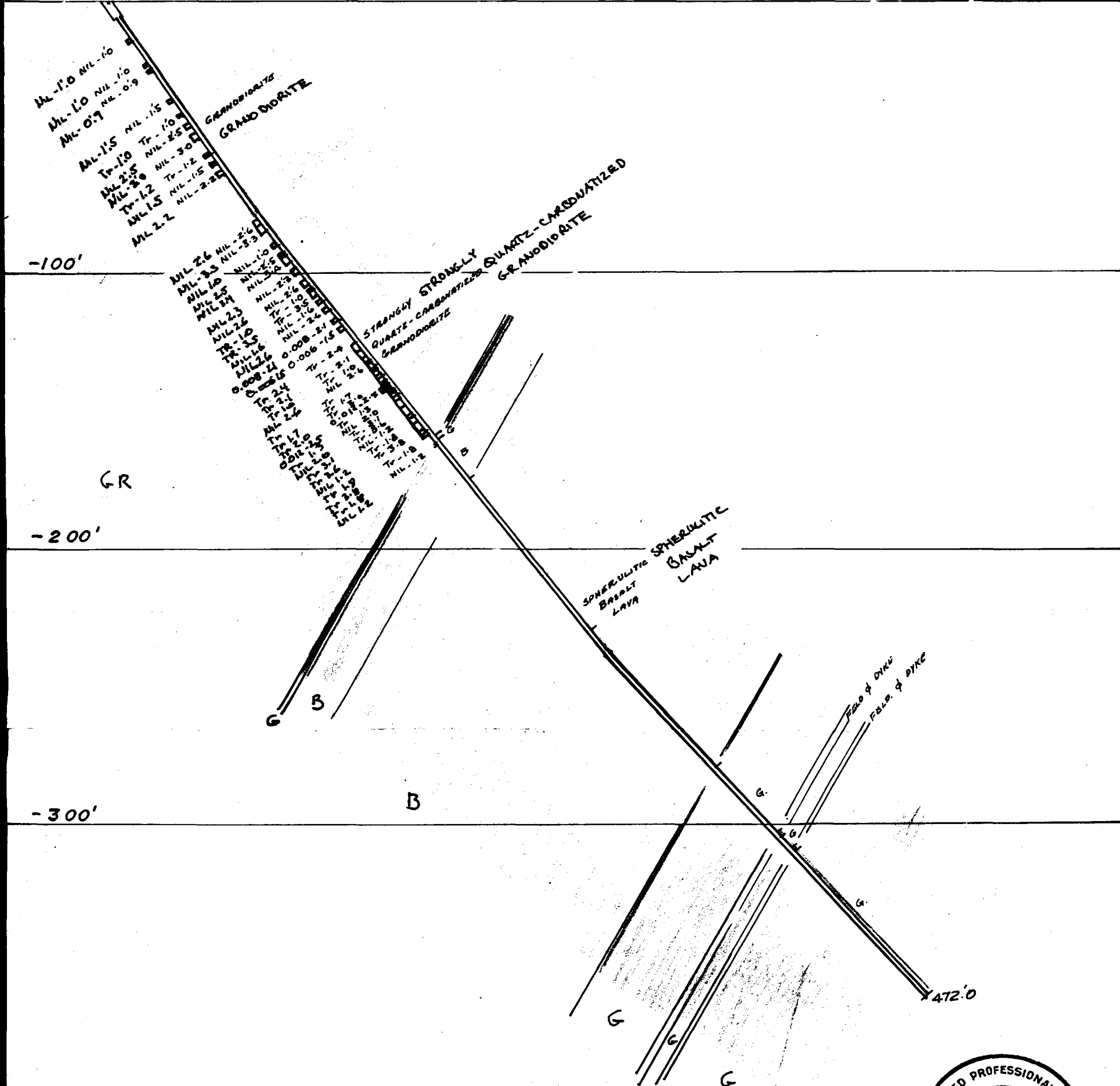
DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
421.3 - 424.4	Feldspar porphyry, 30% grt. carb. in fractures along the core, strongly grt. carb. bleached sandstone, 30% Po., 1% Py., 5% black tourmaline	169			3.1	To
424.4 - 425.6	Basalt lava and tuff, 10% grt. carb. and 4% Po. and coarse speck of chalc in grt. carb.	170			1.2	To

DRILLED BY *Ed. Fortner Shilling*

SIGNED *C. Kurylew*
 CHESTER J. KURYLEW, M.Sc., P.Eng.
 CONSULTING GEOLOGIST

D.D.HOLE M-86-2

BEARING
N-58°-E



MISTANGO CONSOLIDATED RESOURCES LTD.
 LAVAL TOWNSHIP
 DISTRICT OF KENORA, ONT.

VERTICAL SECTION ALONG D.D.HOLE M-86-2

SCALE: 1" = 40' 0

JAN. 1987

CHESTER J. KURYLIW

LEGEND

- G ■ GABBRO
- Gr ■ GRANODIORITE DYKE (GOLDLUND TYPE)
- B ■ BASALT FLOWS
- B.T. ■ ANDESITE-BASALT TUFFS

ASSAYS: Oz. Au./Ton over Feet



DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

A.Q. Core Size
Stored at Camareco

GEOLOGY

HOLE NO. M-86-2 SHEET NO. 1

LATITUDE 7. + 70N. DATUM Claim K-645075 STARTED Dec 9, 1986
 DEPARTURE 19. + 70W BEARING N-58°-E COMPLETED Dec 22, 1986
 ELEVATION Collar 157.0 above Troutfly Dip ULTIMATE DEPTH 472.0
 Lake

DEPTH FEET	FORMATION	FORMATION
------------	-----------	-----------

0-6.0	Casing	
6.0-42.0	Granodiorite, greyish, med. to coarse grained with 10% mafic minerals, largely hornblende. The quartz-feldspar that forms most of the rock does not show distinct grains but has a mottled appearance. Quartz filled fractures are relatively rare. The few quartz-filled fractures run at 25° to the core axis.	
42.0-199.0	Granodiorite, med. grained, greyish, qtz. filled fractures occur more frequently and the granodiorite is slightly bleached throughout by minor qtz. carb. alteration. Some minor disseminated pyrite occurs along the edges of quartz filled fractures.	

Note: This granodiorite is typical in every appearance to the Goldlund-Camreco granodiorite that is host to the gold-bearing qtz. veins.

Drilled by: Ed. Fontaine Drilling

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A.A. CORE SIZE
STORED AT CAMREC

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD. GEOLOGY

A.A. CORE SIZE
STORED @ CAMREC

HOLE NO. 86-2 SHEET NO. 1

LATITUDE 77° 70' N.

DATUM CLAIM K-645075
LAVAL TWP.

STARTED DEC. 9, 1986

DEPARTURE 19° 17' 0" W

BEARING N-58°-E

COMPLETED DEC. 22, 1986

ELEVATION COLLAR 15.7' 0" ABOVE LAKE
^{TRAWL}

DIP 55° AT COLLAR

ULTIMATE DEPTH 472.0'

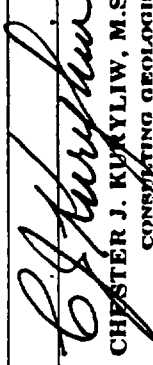
DEPTH FEET	FORMATION
0 - 6.0	casing
6.0 - 42.0	Granodiorite, greyish, med. to coarse grained with 10% mafic minerals, largely tabular. The quartz-feldspar that forms most of the rock does not show distinct grains but has a mottled appearance. Quartz filled fractures are relatively rare. The few quartz-filled fractures seen at 25.0 to the core axis. Note: This granodiorite is typical in every appearance to the Goldend Queen's granodiorite that is host to the gold-bearing g.j. veins.
42.0 - 199.0	Granodiorite, med. grained, greyish, qtz. filled fractures occur more frequently and the granodiorite is slightly bleached throughout by minor qtz. carb. alteration. Some minor disseminated pyrite occurs along the edges of quartz filled fractures.

DATE DRILL

DRILLED BY Ed. Fontaine & Drilling

SIGNED

CHESTER J. KURYLIV, M.Sc., P.Eng.
CONSULTING GEOLOGIST



DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

GEOLOGY HOLE NO. M-86-2 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
199.0-201.0	Gabbro dk. greenish, med. grained, partly sheared contact with granodiorite runs at 60° to Core Axis.	
Note: This gabbro at the footwall of the grano. is identical with a similar gabbro found at the footwall of the No. 1 granodiorite at Goldlund.		
201.0-219.0	Basalt lava, dk. greenish, fine grained with some hairline irregular calcite filled fractures.	
219.0-290.0	Spherulitic pillow lava, intensely spherulitic, dacite to andesite in composition. The rock is greenish-grey but the spherules are a lighter buff-green. Most spherules are 3-7mm in diam.	
290.0-358.0	Dacite-Andesite spherulitic lava. The spherules are becoming progressively coarser grained with most about 1cm in diam. The spherules are so numerous that the rock has a modular texture.	

Note: This "nodular" spherulitic lava.

Drilled by: Fontaine D. Drilling

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GEOLOGY

HOLE NO. *M-86-2* SHEET NO. *2*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
199.0 - 201.0	Gabbro, dk. greenish, med. grained, partly altered contact with granodiorite seen at 60° to core axis.	
	<u>Note:</u> This gabbro at the footwall of the mass is identical with a similar gabbro found at the footwall of the No. 1 granodiorite at Goldhead	
201.0 - 219.0	Basalt lava, dk. greenish, fine grained with some hairline irregular contact filled fractures.	
219.0 - 290.0	Spherulitic pillow lava, intensely spherulitic, dark to andesite in composition. The rock is greenish-grey but the spherules are a lighter buff-green. Most spherules are 3-7 mm. in diam.	
290.0 - 358.0	Dark andesite spherulitic lava. The spherules are becoming progressively coarser grained with most about 1 cm. in diam. The spherules are so numerous that the rock has a nodular texture. <u>Note:</u> This "nodular" spherulitic gabbro	

1000000

DRILLED BY Fontaine S. Drilling

SIGNED C. J. Kerpethin
 CHESTER J. KURYSKI, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. M-86-2 SHEET NO. 3

LATITUDE DATUM STARTED

DEPARTURE BEARING COMPLETED

ELEVATION DIP ULTIMATE DEPTH

DEPTH FEET	FORMATION	FORMATION
		was intersected in a drill hole just north of the granodiorite on the Windfall ground near the Goldlund boundary.
358.0-391.2		Gabbro, fine grained, dk. greenish, massive with some slightly epidotized portions, some chloritic altered sections carry coarse magnetite and minor pyrite.
391.2-393.7		Feldspar porphyry dyke, dk. greyish, med. grained. contacts at 60° to core axis.
393.7-399.0		Gabbro, dk. greenish, fine grained, massive.
399.0-401.0		Feldspar-porphyry dyke, dk. greyish med. grained, contact at 40° to core Axis.
401.0-458.0		Gabbro, dk. greenish, med. grained, massive. At 451.0' a few blades of scheelite?
458.0-472.0		Gabbro, dk. greenish, med. to coarse grained with some strongly epidotized sections.

472.0' END OF HOLE

Drilled by: Fontaine D. Drilling

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GEOLOGY

HOLE NO. M-86-2 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
		was intersected in a drill hole just north of the granodiorite on the windfall ground near the Goldlund boundary.
358.0 - 391.2	Gabbro, fine grained, dk. greenish, massive with some slightly epidotized portions, some chloritic altered sections, coarse magnetite and minor pyrite	
391.2 - 393.7	Feldspar porphyry dyke, dk. grayish, med. grained, contacts at 60° to core axis.	
393.7 - 399.0	Gabbro, dk. greenish, fine grained, massive.	
399.0 - 401.0	Feldspar porphyry dyke, dk. grayish, med. grained, contact at 40° to core axis.	
401.0 - 458.0	Gabbro, dk. greenish, med. grained, massive, at 45.0 a few blades of schelite?	
458.0 - 472.0	Gabbro, dk. greenish, med. to coarse grained with some strongly epidotized sections	472.0 End of hole

11-50-57

DRILLED BY *Fortune L. Billing*

SIGNED *C. J. Kurylow*
 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

SAMPLING

HOLE NO. M-86-2 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From	To	Width	Ozs Au
15.0-16.0	Granodiorite. Three 1/2"-1/2" qtz. filled fractures that run at 20° and 25° to C/A, 1/8 Py near vein edges.	171			1.0	Nil
26.5-27.5	Grano. A 1/2" qtz. filled fracture runs at 20° to C/A, carries a few fine specks of galena and 1/8 dissem. pyrite.	172			1.0	Nil
29.0-29.9	A 1" qtz. vein at 30° to C/A. A 1/2" diam. coarse pyrite cube in qtz.	182			.9	Nil
42.5-44.0	Grano. A 2" and a 1/2" qtz. fracture 1/8 Py qtz. F.F. at 30° to C/A	173			1.5	Nil
48.0-49.0	A 1" qtz. F.F. @ 20° to C/A 1/8 Py in bleached wallrock	174			1.0	Tr.
52.5-55.0	Grano with three of 1 1/2" qtz. F.F. that run @ 30° to C/A bleached wallrock 1/8 Py	175			2.5	Nil

Drilled by Ed. Fontaine D. Drilling

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DIAMOND L ILL RECORD
MISTANGO CONS. RES. LTD. **SAMPLING**

HOLE NO. *M-56-2* SHEET NO. *1*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
15.0 - 16.0	<i>Granodiorite. Three 1/4" - 1/2" gtz. filled fractures that run at 20° and 50° to c/a, 1/2% py. near vein edge.</i>	171			1.0	Nil
26.5 - 27.5	<i>Gran. a 1/2" gtz. filled fracture runs at 20° to c/a, carries a few fine specks of galena and 1/2% diam. pyrite.</i>	172			1.0	Nil
29.0 - 29.9	<i>a 1" gtz. vein at 30° to c/a. a 1/2" diam. coarse pyrite cube in gtz.</i>	182			.9	Nil
42.5 - 44.0	<i>Gran. a 2" and a 1/2" gtz. fracture 1/2% py. gtz. F.F. at 30° to c/a.</i>	173			1.5	Nil
48.0 - 49.0	<i>a 1" gtz. F.F. @ 20° to c/a. 1/2% py. in banded wallrock.</i>	174			1.0	F
52.5 - 55.0	<i>Gran. with three of 1/2" gtz. F.F. that run @ 30° to c/a. banded wallrock 1/2% py.</i>	175			2.5	Nil

DRILLED BY *E. J. Fontaine & Shilling*

SIGNED *C. J. Kuryski*
 CHESTER J. KURYSKI, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

SAMPLING

HOLE NO. M-86-2 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample NO.	From	To	Width	OZS Au
56.8-59.8	Grano. A 3" and three 1/2" qtz. F.F. with bleached wallrock that carries 1/8% Py	176			3.0	Nil
65.0-66.2	Grano. Two 1/2" qtz. F.F. @ 30° to C/A 1/8 coarse pyrite	179			1.2	Tr
69.3-71.8	Grano. Several 1/2" qtz. F.F. @ 35° to C/A Bleached wallrock, 1/8% Py.	180			1.5	Nil
73.1-75.3	Grano. A 3" and two 1/2" qtz. F.F. @ 35° to C/A, partly bleached wallrock, 1/8% Py in wallrock	181			2.2	Nil
95.9-98.5	Grano. Several 1/2" qtz. F.F. with some bleached wallrock, minor pyrite.	177			2.6	Nil
98.5-101.8	Grano. Several 1/2" to 3/4" qtz. F.F. @ 25° to C/A, bleached wallrock 1/8% Py.	178			3.3	Nil

Drilled by: Ed. Fontaine D. Drilling

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MISTANGO CONS. RES. LTD. **SAMPLING**

HOLE NO. *M-86-2* SHEET NO. *2*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au
56.8 - 59.8	Grass. A 3" and three 1/2" gtz. F.F. with bleached wallrock that carries 1/2% py.	176			3.0	Nil
65.0 - 66.2	Grass. Two 1/2" gtz. F.F. @ 30° to 5/8" 1/2% coarse pyrite.	179			1.2	Tr
69.3 - 71.8	Grass. Several 1/4" gtz. F.F. @ 35° to 5/8" 1/2% py.	180			1.5	Nil
73.1 - 75.3	Grass. A 3" and Two 1/2" gtz. F.F. @ 35° to 5/8" 1/2% py, partly bleached wallrock, 1/2% py in wallrock.	181			2.2	Nil
95.9 - 98.5	Grass. Several 1/4" gtz. F.F. with some bleached wallrock, minor pyrite.	177			2.6	Nil
98.5 - 101.8	Grass. Several 1/4" to 3/4" gtz. F.F. @ 25° - 35° to 5/8" 1/2% py.	178			3.3	Nil

DRILLED BY *Ed. Lorraine D. Drilling*

SIGNED *C. J. Kurylow*
 CHESTER J. KURYLOW, M.S.C., P. ENG.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

SAMPLING

HOLE NO. M-86-2 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From	To	Width	Ozs Au
105.8-106.8	Grano. 1 of 1/2" and 3 of 1/4" qtz. filled fractures @ 35° to C/A 1/8% PY.	183			1.0	Nil
110.8-112.3	Grano. 3% qtz. in fine fractures partly carb'd, 1/2% PY	184			2.5	Nil
112.3-116.2	Grano. A 1" and several fine qtz. F.Fr. partly carb'd, 1% PY	185			3.9	Nil
118.4-120.7	Grano. A 1/2" and two of 1/4" qtz. F. Fr., partly carb'd 1/8% PY	186			2.3	Nil
123.8-126.4	Grano. A 1" and two of 1/2" qtz. F. Fr. @ 45° to C/A, partly bleached 1 1/8% PY	187			2.6	Nil
127.4-128.4	Grano. Three of 1" qtz. F.Fr. @ 45° to C/A, slightly bleached, 1/8% PY	188			1.0	Tr
128.4-131.9	Grano. A 1" and four of 1/2" qtz F.Fr. slightly bleached, 1/8% PY	189			3.5	Tr.

Drilled by Fontaine D. Drilling

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DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD. SAMPLING

HOLE NO. *M-86-2* SHEET NO. *3*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
105.8 - 106.8	Grass. 1 of 1/2" and 3 of 1/4" gtz. filled fractures @ 35% to 50% py	183			1.0	Nil
110.8 - 112.3	Grass. 3% gtz. in fine fractures partly carb'd, 1/2% py	184			2.5	Nil
112.3 - 116.2	Grass. @ 1" and several fine gtz. F. Fr. partly carb'd, 1% py.	185			3.9	Nil
118.4 - 120.7	Grass. @ 1/2" and two of 1/4" gtz. F. Fr. partly carb'd. 1/2% py.	186			2.3	Nil
123.8 - 126.4	Grass. @ 1" and two of 1/2" gtz. F. Fr. @ 45° to 50% , partly bleached 1 1/2% py.	187			2.6	Nil
127.4 - 128.4	Grass. 2 km of 1" gtz. F. Fr. @ 45° to 50% , slightly bleached, 1/2% py.	188			1.0	Tr
128.4 - 131.9	Grass. @ 1" and four of 1/4" gtz. F. Fr. slightly bleached, 1/2% py.	189			3.5	Tr

SIGNED *C. J. Kuryliw*
 CHESTER J. KURYLIW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

PREPARED BY *Fontaine S. Drilling*

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

HOLE NO. M-86-2 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From	To	Width	OZS AU
133.4-135.0	Grano. 30% qtz. in fractures @ 30° to C/A, strongly bleached 2% Py.	190			1.6	Nil
136.6-139.2	Grano. Three of 1/4" qtz. F.Fr @ 45° to C/A, 1/8% Py	191			2.6	Nil
141.7-143.8	Grano. A 1" and two of 1/4" qtz. F.Fr. slightly bleached, 1/8% Py	192			2.1	0.008
146.1-147.6	Grano. Two of 1" qtz. F.Fr. @ 45° to C/A. partly bleached, 1 1/8% Py	193			1.5	0.006
153.6-157.0	Grano. Several 1/4" qtz. F.Fr. slightly bleached, a few specks of chalco, 1% Py.	194			3.4	Tr
157.0-159.3	Grano. 30% qtz. in Fractures, well bleached, 3% coarse cubes of py, Trace of chalco	195			2.3	Tr

Drilled by: Fontaine D. Drilling

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MISTANGO CONS. RES. LTD.
SAMPLING

HOLE NO. *M-86-2* SHEET NO. *4*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
133.4-135.0	Grass. 30% gtz. in fractures @ 20" to c/a, strongly bleached 20% py.	190			1.6	Nil
136.6-139.2	Grass. shun of 1/2" gtz. F. Fr. @ 45° to c/a, 1/2% py.	191			2.6	Nil
141.7-143.8	Grass. @ 1" and two of 1/2" gtz. F. Fr. slightly bleached, 1/2% py.	192			2.1	0.008
146.1-147.6	Grass. two of 1" gtz. F. Fr. @ 45° to c/a. partly bleached, 1 1/2% py.	193			1.5	0.006
153.6-157.0	Grass. several 1/4" gtz. F. Fr. slightly bleached, a few specks of Chalc. 1 1/4% py.	194			3.4	Tr
157.0-159.3	Grass. 30% gtz. in fractures, well bleached, 30% coarse cuben of py, trace of Chalc.	195			2.3	Tr

SCALE 1:1000

DRAWN BY *Fantini S. Whiting*

C. J. Kurylow
 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

SIGNED

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

HOLE NO. M-86-2 SHEET NO. 5

SAMPLING :

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From To	Width	Ozs Au
159.3-161.4	Grano. 5% qtz. F.Fr., slightly bleached 1% Py	196		2.1	Tr
161.4-162.4	Grano. A 6" qtz vein at 60° to C/A, 1% Py. A hairline fracture carries a smear of chalco and galena.	197		1.0	Tr
162.4-165.0	Grano. Several 1/2" qtz. F.Fr. @ 40° to C/A, 2% coarse Py. A speck of chalco wit with galena in qtz.	198		2.6	Nil
165.7-167.8	Grano. Three of 1/2" qtz. F.Fr. 1% Py	199		2.1	Tr
167.8-169.5	Grano. 50% strongly carb'd pinkish, 2% coarse Py	200		1.7	Tr
169.5-171.5	Grano. Pinkish, completely carb'd 3% coarse Py	201		2.0	Tr

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HOLE NO. *M-86-2* SHEET NO. *5*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
159.3-161.4	Grans. 5% gtz. F. Fr., slightly bleached, 1% PY.	196			2.1	Tr
161.4-162.4	Grans. 2.6" gtz. min at 60° To c/a, 1% PY. A fair size fracture carries a mass of Chalcos and galena.	197			1.0	Tr
162.4-165.0	Grans. Several 1/2" gtz. F. Fr. @ 40° to c/a, 2% coarse PY. a speck of Chalcos with galena in gtz.	198			2.6	Nil
165.7-167.8	Grans. Mass of 1/2" gtz. F. Fr. 1% PY.	199			2.1	Tr
167.8-169.5	Grans. 50% strongly carb'd pyrite, 2% coarse PY.	200			1.7	Tr
169.5-171.5	Grans. Pyrite, completely carb'd 3% coarse PY.	201			2.0	Tr


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DRILLED BY Fontaine D. Shilling
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SAMPLING HOLE NO. M-86-2 SHEET NO. 6

LATITUDE _____ STARTED _____
 DEPARTURE _____ COMPLETED _____
 ELEVATION _____ BEARING _____
 DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From	To	Width	Ozs Au
172.2-174.7	Grano. Two of 1/4" and several 1/2" qtz. F.Fr. @ 45° to C/A. 1% Py	202			2.5	0.012
174.7-176.0	Grano. 40% qtz. carb. 1% Py	203			1.3	Tr
177.3-179.3	Grano. A 1 1/4" qtz. F.Fr. @ 60° to C/A, 1/2% Py	204			2.0	Nil
180.3-183.4	Grano. 25% qtz-carb in fracture pinkish, 1% Py	205			3.1	Tr
183.4-187.0	Grano. Several narrow qtz. F.Fr. 1/2% Py	206			3.6	Tr
187.0-188.2	Grano 20% qtz. carb'd, 4% coarse Py	207			1.2	Nil
188.2-191.0	Grano. 20% qtz. carb'd 2% coarse Py.	208			1.8	Tr

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HOLE NO. *M-86-2* SHEET NO. *6*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
172.2 - 174.7	Grans. <i>Two of 1/2" and several 1/4" gtz. F. Fr. @ 45° to c/a. 1% py.</i>	202			2.5	0.012
174.7 - 176.0	Grans. <i>40% gtz. - carb. 1% py.</i>	203			1.3	Tr
177.3 - 179.3	Grans. <i>A 1 1/2" gtz. F. Fr. @ 60° to c/a, 1/2% py.</i>	204			2.0	Nil
180.3 - 183.4	Grans. <i>25% gtz. carb. in fracture pinkish, 1% py.</i>	205			3.1	Tr
183.4 - 187.0	Grans. <i>Several narrow gtz. F. Fr. 1% py.</i>	206			3.6	Tr
187.0 - 188.2	Grans. <i>20% gtz. carb'd, 4% coarse py.</i>	207			1.2	Nil
188.2 - 191.0	Grans. <i>20% gtz. carb'd, 2% coarse py.</i>	208			1.8	Tr

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DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

SAMPLING
HOLE NO. M-86-2 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No	From	To	Width	Ozs Au
191.0-194.8	Grano. 30% qtz. F.Fr. and some carb alt'n, hematitic in part, 1% coarse Py	209			3.8	Tr
194.8-196.6	Grano. Slightly carb'd, some reddish hematitic alt'n, 1% Py	210			1.8	Tr
202.5-203.7	Basalt, Two 1/2" qtz. carb. veinlets @ 60° to C/A, 4% coarse Py	211			1.2	Nil

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SAMPLING

HOLE NO. *A-84-2* SHEET NO. *7*

LATITUDE _____ DATUM _____ STARTED _____
DEPARTURE _____ BEARING _____ COMPLETED _____
ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	W/S. Au
191.0 - 194.8	Grauw. 30% str. f. fr. and some carb. alt'n, hematite in part, 10% coarse Py.	209			3.8	Tr
194.8 - 196.6	Grauw. slightly carb'd, some reddish hematite alt'n, 15% Py.	210			1.8	Tr
203.5 - 203.7	Basalt, shvs 1/2" gr. carb. veinlets @ 60° to Cla, 4% coarse Py.	211			1.3	All

SIGNED *C. J. Kurylow*
CHESTER J. KURYLOW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DRILED BY *Fontanis A. Shilling*

D.D.HOLE M-86-3

BEARING
DUE NORTH

LAKE.

ORGANIC
MUD.

-100'

Tr. 1.8
Tr. 2.1
Tr. 2.2
Tr. 2.3
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Tr. 2.99
Tr. 3.00

GRAN GRAN

GRAN
STZ-CAS

SPHERULITIC
Basalt. Lava. BASALT LAVA

250.0

-200' GR

B

-300'

MISTANGO CONSOLIDATED RESOURCES LTD.
LAVAL TOWNSHIP
DISTRICT OF KENORA, ONT.

VERTICAL SECTION ALONG D.D.HOLE M-86-3

SCALE: 1" = 40.0'

JAN. 1987

CHESTER J. KURYLIW

LEGEND

- G ■ CABBRO
- Gr ■ GRANODIORITE DYKE (GOLDLUND TYPE)
- B ■ BASALT FLOWS
- B.T. ■ ANDESITE-BASALT TUFFS

ASSAYS: Oz. Au./Ton over Feet



DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. M-86-3... SHEET NO.1

LATITUDE 7. + 35N... (Billiton Grid) DATUM Claim K-645074 (Laval Twp) STARTED Jan 2, 1987

DEPARTURE 18 + 70W BEARING Due North COMPLETED Jan 4, 1987

ELEVATION Ice of Troutfly Lake DIP -50° ULTIMATE DEPTH 250.0'

DEPTH FEET	FORMATION	FORMATION
0-92.0	Casing 5 ft of water, then 85 ft of gelatinous organic mud (loonshit) then 2 ft. of sand and hardpan.	
92.0-141.0	Granodiorite, typical of the Goldlund-Windfall Mines host rock. The granodiorite is dark greyish, medium grained in texture with quartz feldspar granules with biotite - amphibole filling the interspaces.	
141.0-158.2	Granodiorite, with quartz filled fractures that run at 20° to the core axis with some quartz carbonate - bleaching of the wall rocks next to the fractures. The fracturing and quartz-carbonate bleaching intensified towards the footwall contact. The footwall contact runs at 60° to the core axis.	
158.2-162.4	Gabbro, dk. greenish, med. grained, amphibolitic.	
162.4-167.2	Granodiorite dyke, greenish grey, med. grained, contacts at 60° to C/A.	

Drilled by: Fontaine D. Drilling

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GEOLOGY

HOLE NO. M-86-3 SHEET NO. 1

LATITUDE 7+35 N (BILLION GRIP.)

DATUM CLAIM M-645074
LAVAL TWP.

STARTED JAN 2 1987

DEPARTURE 18+70 W

BEARING DVE NORTH

COMPLETED JAN 4 1987

ELEVATION ICE OF TROUTLY LAKE

DIP -50°

ULTIMATE DEPTH 250.0

DEPTH FEET	FORMATION
0-92.0	Casing 5 ft. of water, then 85 ft. of gelatinous organic mud (loamite) then 2 ft. of sand and hard gran.
92.0-141.0	Granodiorite, typical of the Goldhead - windfall mined last block. The granodiorite is dark greyish, medium grained in texture with quartz (feldspar granules with biotite - amphibole filling the interspaces)
141.0-158.2	Granodiorite, with quartz filled fractures that run at 20° to the core axis with some quartz carbonate - bleaching of the wall related first to the fracture. The fracturing and quartz-carbonate bleaching intensifies towards the footwall contact. The footwall contact runs at 60° to the core axis.
158.2-162.4	Gabbro, dk. greenish, med. grained, amphibolitic.
162.4-167.2	Granodiorite dyke, greenish grey, med. grained, contact at 60° to core axis.

SCALE 1:1000

DRAWN BY Fontaine D. Drilling

SIGNED C. J. Kurylow
 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

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GEOLOGY

HOLE NO. M-86-3 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
------------	-----------	-----------

167.2-228.0 Nodular to spherulitic lava, Andesite to Basalt composition
 228.0-250.0 Dacite to andesite lava, dk. greyish, fine grained with a few narrow spherulitic sections.

250.0' END OF HOLE

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HOLE NO. M-86-3 SHEET NO. 1

SAMPLING

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From	To	Width	Ozs Au
103.5-104.3	Granodiorite. A 2" qtz. veinlet runs at 20° to C/A. It carries minor pyrite and tourmaline along its edges.	212			0.8	Tr.
141.2-143.8	Granodiorite, 3% qtz. in fractures that run at about 20° to C/A 1% Py	213			2.6	Tr.
143.8-145.9	Granodiorite, 10% qtz. in fractures, some qtz. carb. bleaching of wallrock	214			2.1	0.006
147.3-150.3	Granodiorite, 15% qtz. in fractures some qtz. carb. bleaching of wallrocks. A few coarse crystals of pyrite in quartz.	215			3.0	Tr
151.7-154.3	Granodiorite, 7% qtz. in fractures 1% Py	216			2.6	Nil

Drilled By: Fontaine D. Drilling

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DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD. SAMPLING

HOLE NO. *M-86-3* SHEET NO. *1*

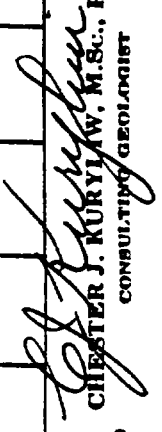
LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED *0*

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au
103.5-104.3	Granodiorite, 2% gr. veinlet rims at 20° to 40° SE carries minor pyrite and tourmaline along its edges.	212			0.8	Tr
141.2-143.8	Granodiorite, 3% gr. in fractures that run at about 20° to 40° 10% Py.	213			2.6	Tr
143.8-145.9	Granodiorite, 10% gr. in fractures some gr. carb. bleaching of wall rock.	214			2.1	0.006
147.3-150.3	Granodiorite, 15% gr. in fractures some gr. carb. bleaching of wall rock. a few coarse crystals of pyrite in quartz.	215			3.0	Tr
151.7-154.3	Granodiorite, 7% gr. in fractures 10% Py.	216			2.6	NM

DRILLED BY *Fantani D. Drilling*


 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

SIGNED

DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

HOLE NO. M-86-3 SHEET NO.

SAMPLING

LATITUDE DATUM STARTED
 DEPARTURE BEARING COMPLETED

ELEVATION DIP ULTIMATE DEPTH

DEPTH FEET	FORMATION	Sample No.	From	To	Width	Ozs Au
------------	-----------	------------	------	----	-------	--------

154.3-155.7	Granodiorite, 70% qtz. in fractures ½% Py.	217		1.4	Tr	
155.7-156.7	Glassy to white quartz vein - contacts at 40° to C/A, some carbonate streaks in the qtz. 1% coarse Py and one spot of galena next to coarse Py. The galena is 3mm diam.	218		1.0	0.034	
156.7-158.0	Granodiorite, 10% qtz in fractures ½% Py	219		1.3	Nil	

Drilled by: Fontaine D. Drilling

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**DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD.
SAMPLING**

HOLE NO. *M-86-3* SHEET NO. *2*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au
154.3 - 155.7	Granodiorite, 70% grt. in fracture 1/2% Py.	217			1.4	74
155.7 - 156.7	Massive to white quartz veins. Contacts at 40% to 50%, some carbonate streaked in the grt. 1% coarse Py and one spot of galena next to coarse Py. The galena is 3mm. diam.	218			1.0	0.034
156.7 - 158.0	Granodiorite, 10% grt. in fracture 1/2% Py.	219			1.3	NIL

DRILLED BY *Stanislaw Whilling*

SIGNED *C. J. Kurylow*
 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

AG Core Size
Stored @ Camreco

GEOLOGY

HOLE NO. M-86-4 SHEET NO. 1

LATITUDE 6 + 85N Billiton Grid DATUM Claim K-639104 STARTED Jan 5, 1987

DEPARTURE 22 + 30W BEARING N-25°-W COMPLETED Jan 11, 1987

ELEVATION DIP -45° ULTIMATE DEPTH 300.0'

DEPTH FEET	FORMATION	FORMATION
0-7.0	Casing	
7.0-51.0	Granodiorite - dark greyish to dark greenish-grey med. grained, largely composed of knots of feldspar with interstitial mafic minerals in a sheared to gneissic-like texture.	
51.0-83.0	Granodiorite - dark greyish with a few widely spaced narrow, quartz filled fractures that run at 15° to 25° to the core axis. Some slight qtz. carbonate alteration and minor pyrite occur in the wallrocks near the qtz. filled fractures.	
83.0-115.5	Granodiorite - numerous qtz. filled fractures that run at 15°-25° to the C/A and these commonly carry coarse pyrite in or near the qtz. fractures. In some sections the wall rocks of qtz. f. fractures are strongly qtz. carbonitized and have a slightly reddish coloration. This footwall section of the	

Drilled by: Ed. Fontaine Drilling

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DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD.
GEOLOGY

AG CORE SIZE
 STORED SCAMRECO

HOLE NO. M-86-4 SHEET NO. 1

LATITUDE 64 85 N BULLION GRID

DATUM CLAIM K-639104 LAVAL TWP.

STARTED JAN 5, 1987

DEPARTURE 22 130 W

BEARING N-25-W

COMPLETED JAN 11, 1987

ELEVATION

DIP -45°

ULTIMATE DEPTH 300.0

DEPTH FEET	FORMATION	FORMATION
0-7.0	Casing	
7.0-51.0	Granodiorite - dark greyish to dark greenish-grey med. grained, labile, composed of knots of feldspar with interstitial mafic minerals in a chevron to gneissic-like texture.	
51.0-83.0	Granodiorite - dark greyish with a few widely spaced narrow, quartz filled fractures that lean at 15° to 25° to the core axis. Some slight qtz. carbonate alteration near the gtz. occurs in the wall rocks near the gtz. filled fractures.	
83.0-115.5	Granodiorite - Numerous qtz. filled fractures that lean at 15°-25° to the core axis. These commonly carry coarse pyrite in a near the gtz. fractures. In some sections the wall rocks of qtz. filled fractures are strongly qtz. carbonatized and have a slightly reddish coloration. This footwall section of the	

DRILED BY Ed. Fontaine Drilling

(SIGNED) *Chester J. Kurylew*
 CHESTER J. KURYLEW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. M-86-4 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION
------------	-----------

granodiorite is similar in appearance to Camreco's - Goldlund 1-11 West stope mineralization.

- 115.5-117.0 Gabbro - dark greenish, amphibolitic, partly sheared. (This compares to the footwall gabbro found at the Goldlund West zone).
- 117.0-121.0 Granodiorite - Fine grained, greyish, minor qtz. filled fractures.
- 121.0-134.0 Basaltic tuff, dark greenish, amphibolitic to chloritic, some disseminated fine magnetite.
- 134.0-170.5 Spherulitic Basalt - The alignment of spherules in this lava occurs at 80° to the C/A which indicates a dip of 60° southwards to the formation.

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DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD.
GEOLOGY

HOLE NO. *A-86-4* SHEET NO. *2*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
	<i>granodiorite is similar in appearance to Cameron's Goldhead 1-14 West stages mineralization.</i>	
<i>115.5-117.0</i>	<i>Gabbro - dark greenish, amphibolitic, partly speared. (This compared to the botanall gabbro found at the Goldhead West zone.)</i>	
<i>117.0-121.0</i>	<i>Granodiorite - Fine grained, greyish, mica etc. filled fractured.</i>	
<i>121.0-134.0</i>	<i>Basaltic tuff, dark greenish, amphibolitic to schistose, some disseminated fine magnetite.</i>	
<i>134.0-170.5</i>	<i>Spherulitic Basalt - The alignment of spherules in this lavas occurs at 80° to the Ga which indicates a dip of 60° southward to the formation</i>	

DRAWN BY _____

SIGNED *J. A. Kurylenko*
 CHESTER J. KURYLENKO, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

GEOLOGY

HOLE NO. M-86-4 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
------------	-----------	-----------

170.5-269.0 Gabbro Fine grained, dk. greenish, fresh looking and massive.
 A contact qtz. salvage occurs at 20° to the C/A at 170.5 feet.

269.0-300.0 Basalt lava - dk. greenish - amphibolitic, slightly sheared.

300.0 END OF HOLE

Drilled by: Ed. Fontaine Drilling

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DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

HOLE NO. M-86-4 SHEET NO. 1

SAMPLING

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From To		Ozs. Au.
			From	To	
50.7-52.7	Grano. pinkish, slight qtz. carb. alt'n. Two of 1/4" qtz. f.f., 1/8% Py.	220	2.0	Tr.	
57.0-58.3	Grano pinkish, slight qtz. carb. alt'n. Two of 1/4" qtz. f.f. 1/8% Py	221	1.3	Tr.	
60.0-62.0	Grano. A 3/4" carb. stringer at 70° to C/A and a 1/4" qtz. veinlet, some coarse Py	222	2.0	Tr.	
83.0-84.9	Grano., partly bleached to pinkish qtz. carb. alt'n 1/8% Py	223	1.9	Tr.	
84.9-87.0	Grano, partly bleached pinkish qtz. carb. alt'n 1/8% Py	224	2.1	Nil	
88.2-89.2	Grano, 1 1/4" qtz. f.f. along core at 10° to C/A. The veinlet carries 20% coarse Py.	225	1.0	Tr	

Drilled by: Ed. Fontaine Drilling

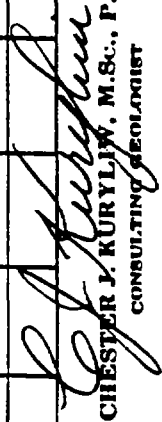
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TO FOLLOW

**DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD.
SAMPLING**

HOLE NO. *1-86-2* SHEET NO. *1*

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	WZS. Au
50.7-52.7	Grass, pinkish, slight gtz. carb. alt 'n. Two of 1/2" gtz. f. f., 1/2% py.	220			2.0	TR.
57.0-58.3	Grass, pinkish, slight gtz. carb. alt 'n. Two of 1/4" gtz. f. f., 1/2% py.	221			1.3	TR.
60.0-62.0	Grass. a 3/4" carb. stringer at 70° to c/a and a 1/2" gtz. miculit, some coarse py.	222			2.0	TR.
83.0-84.9	Grass, partly bleached to pinkish gtz. carb. alt 'n. 1/2% py.	223			1.9	TR.
84.9-87.0	Grass, partly bleached, pinkish gtz. carb. alt 'n. 1/2% py.	224			2.1	Nil
88.2-89.2	Grass, a 1/2" gtz. f. f. along core at 100° to c/a. The miculit carries 20% coarse py.	225			1.0	TR.


CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

PREPARED BY Ed. Fontaine Shilling
 SIGNED _____

DIAMOND DRILL RECORD MISTANGO CONS. RES. LTD.

SAMPLING

HOLE NO. M-86-4 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From To		Width	Ozs Au
92.0-94.0	Grano. strong pinkish qtz. carb. alt'n 7% coarse pyrite, some qtz. f.f. follows part of the core, looks good!	226		2.0		0.006
94.0-96.0	Grano, strong pinkish qtz. carb. alt'n 7% coarse pyrite, looks good.	227		2.0		{ 0.902 } 1.63 } 1.46 } 1.33
96.0-97.8	Grano, partly qtz. carb'd with pinkish alt'n 2% coarse pyrite	228		1.8		{ 0.206 } 0.088 } 0.046 } 0.113
97.8-99.1	Grano., some slight pinkish qtz. carb. alt'n, bleached 2% py	229		1.3		Tr.
99.1-100.6	Grano. Greyish, slight qtz. carb. alt'n	230		1.5		Nil

Drilled by: Ed. Fontaine Drilling

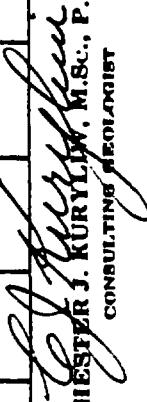
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**DIAMOND DRILL RECORD
MISTANGO CONS. RES. LTD.
SAMPLING**

HOLE NO. 7-86-4 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	QZS. AM
92.0 - 94.0	Grass., strong pinkish gtz. carb. alt'n. 70% coarse pyrite, some gtz. f. f. follows part of the core, looks good!	226			2.0	0.006
94.0 - 96.0	Grass., strong pinkish gtz. carb. alt'n, 70% coarse pyrite, looks good.	227			2.0	1.63
						1.46
96.0 - 97.8	Grass., partly gtz. carb'd with pinkish alt'n, 2% coarse pyrite	228			1.8	0.088
						0.046
97.8 - 99.1	Grass., some slight pinkish gtz. carb. alt'n, bleached 2% py.	229			1.3	TR.
99.1 - 100.6	Grass. greyish, slight gtz. carb. alt'n.	230			1.5	nil


 CHESTER J. KURYLOW, M.Sc., P. Eng.
 CONSULTING GEOLOGIST

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DIAMOND DRILL RECORD

MISTANGO CONS. RES. LTD.

HOLE NO. M-86-4 SHEET NO. 3

SAMPLING

LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	Sample No.	From	To	Width	Ozs Au
105.0-106.2	Grano. minor qtz. carb. alt'n minor pyrite.	231		1.2		Tr.
107.7-109.7	Grano., bleached, some pink qtz. carb alt'n, 1½ Py	232		2.0		Nil
109.7-111.8	Grano., some pink qtz. carb. alt'n, 1½ Py	233		2.1		Tr.
111.8-113.7	Grano., strong qtz. carb. alt'n pinkish, 5% coarse Py.	234		1.9		Tr.
113.7-115.9	Grano., some pinkish qtz. carb. alt'n 3% Py	235		2.2		Tr.
118.5-120.5	Grano., greyish slightly bleached. 1½ Py	236		2.0		Tr.

Drilled by: Ed. Fontaine Drilling

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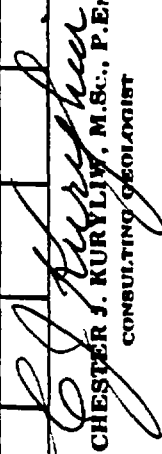
HOLE NO. *A-86-4* SHEET NO. *3*

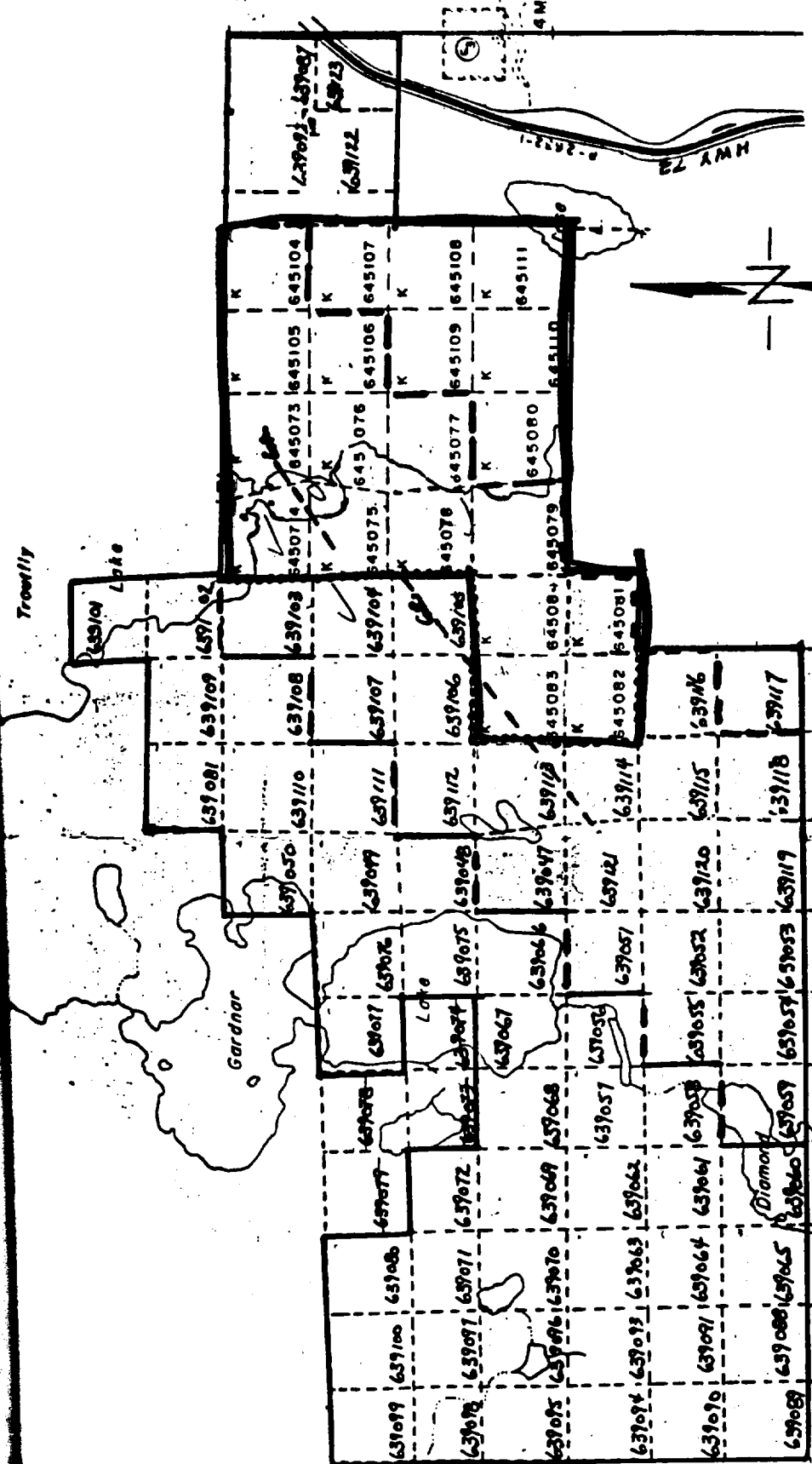
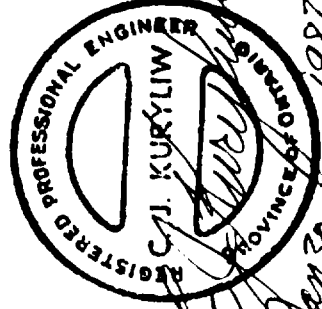
LATITUDE _____ DATUM _____ STARTED _____
 DEPARTURE _____ BEARING _____ COMPLETED _____
 ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au
105.0-106.5	Grans., minor gtz. carb. alt'n., minor pyrite.	231			1.2	TR.
107.7-109.7	Grans., bleached, some pink gtz. carb alt'n., 1 1/2% py.	232			2.0	nil
109.7-111.8	Grans., some pink gtz. carb. alt'n., 1% py.	233			2.1	TR.
111.8-113.7	Grans., strong gtz. carb. alt'n. pinkish, 5% coarse py.	234			1.9	TR.
113.7-115.9	Grans., some pinkish gtz. carb. alt'n., 3% py.	235			2.2	TR.
118.5-120.5	Grans., greyish, slightly bleached, 10% py.	236			2.0	TR.

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 RESEARCH OFFICE
 FEB 25 1987
 RECEIVED

DRILLED BY *Ed. Fontaine Drilling*


 CHESTER J. KURLIOW, M.Sc., P.Eng.
 CONSULTING GEOLOGIST



MISTANGO CONSOLIDATED RESOURCES LTD.
CLAIM MAP

From M.N.R. Plan 3370 LAVAL TOWNSHIP, Ontario.

Scale : 1" = 1/2 Mile

900
Jan 30 1987

Name and Address of Recorded Holder: **MISTANGO CONSOLIDATED RESOURCES LTD.**
Prospector's Licence No.: **T-1551**
137. HURON. NTS. DRIVE. NEWMARKET, ONT. L3Y.4Z6

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	645073	82.5	K	645083	72.5	K	645110	72.5
		645070	72.5		645084	72.5		645111	72.5
		645075	82.5		645104	72.5		645080	72.5
		645076	72.5		645105	72.5		645081	72.5
		645077	72.5		645106	72.5			
		645078	72.5		645107	72.5			
		645079	72.5		645108	72.5			
		645082	72.5		645109	72.5			

All the work was performed on Mining Claim(s):

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

DIAMOND DRILLER, ED. FONTAINE DRILLING CO., KENORA, ONT.
DEC 22 - JAN 25 1987.
A, DRILL HOLES, AQ CORE SIZE., CORE STORED @ CAMRECO, ECHO TWP

DDHOLE M-86-1 -45°, N-25°-W, DEPTH 450' CLAIM K. 645078
M-86-2 -55°, N-58°-E " 472' " K 645074
M-86-3 -50°, DUE NORTH " 250' " K 645074
M 86-4. -45°, N-25°-W " 300' " K 639104

TOTAL 1472.5 FEET

KENORA MINING DIV.
RECEIVED
FEB 18 1987
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILE
RESEARCH OFFICE
FEB 25 1987
FEB 25 1987
RECEIVED
Date of Report
JAN. 30, 1987

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: **CHESTER J. KURYLIW 46 INGALL DR. DRYDEN, ONT. P8N.3B7**

Date Certified: **JAN 30 1987**
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	645073	
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	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as