# DIAMOND DRILLING

Township: MUSKEGO

Report No: 14

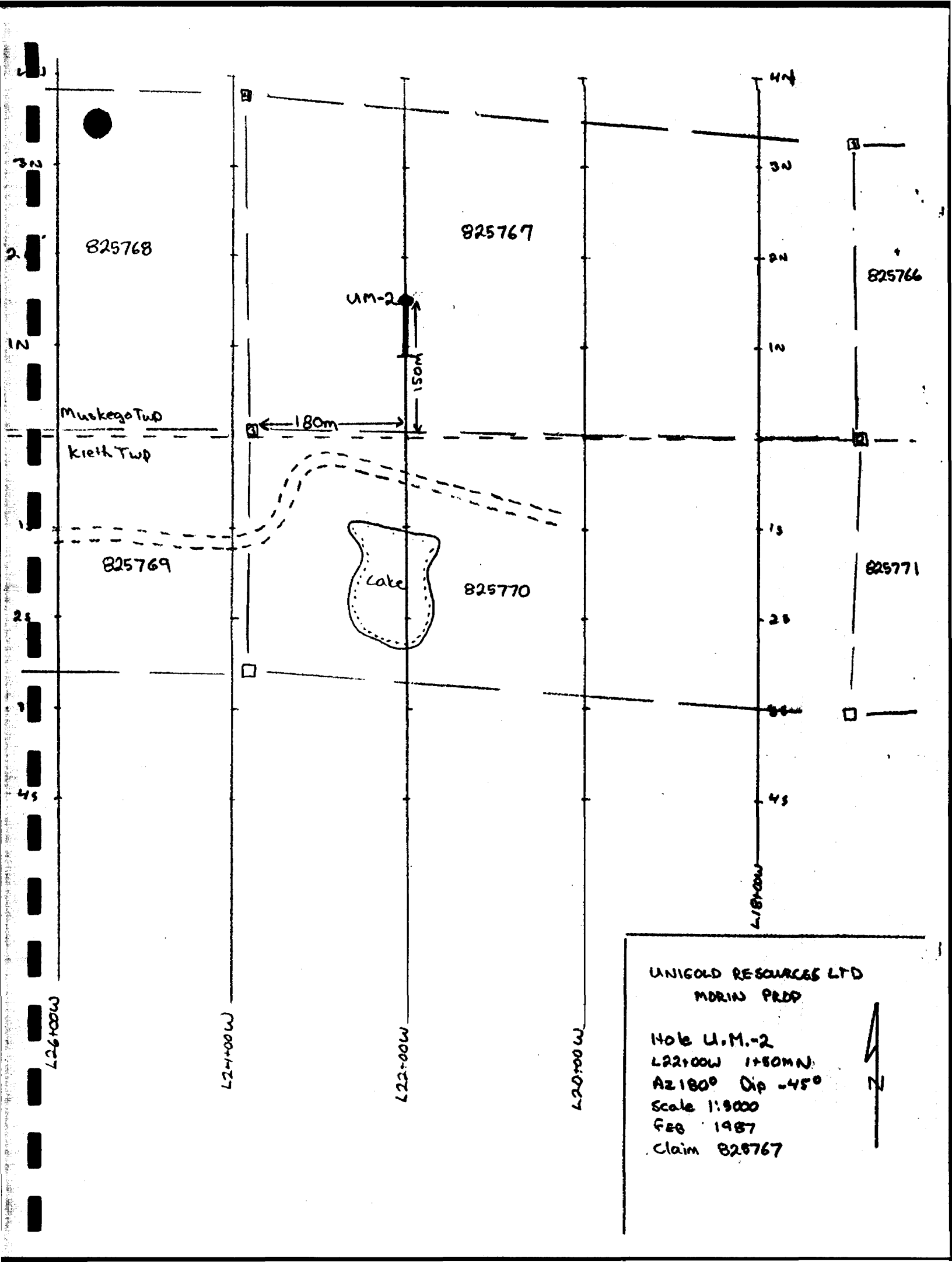
WORK PERFORMED FOR: Unigold Resources Ltd.

RECORDED HOLDER: SAME AS ABOVE [xx]

: OTHER [ ]

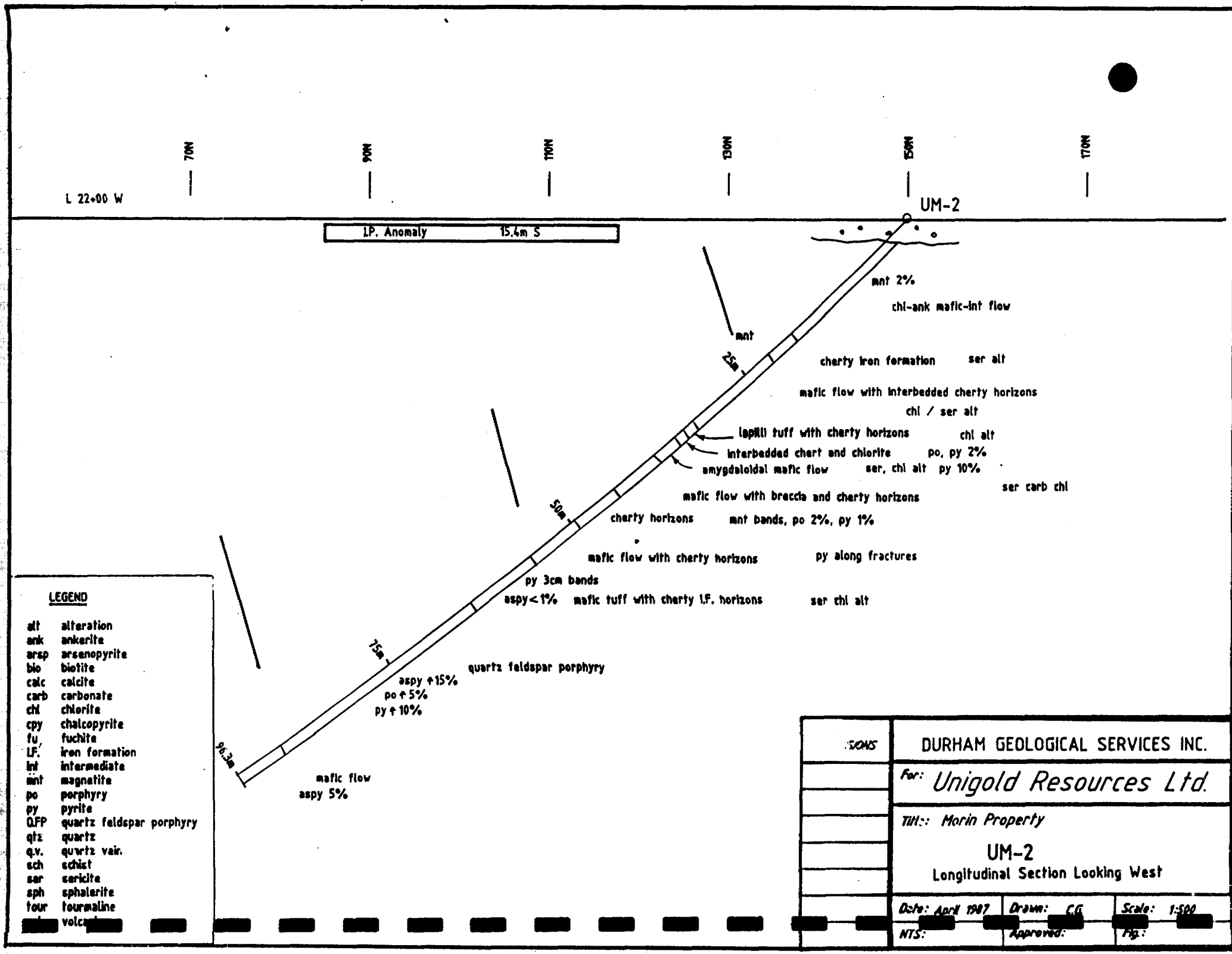
| CLAIM NO. | HOLE NO. | FOOTAGE | DATE | NOTE |
|---|---|---|---|---|
| P 825767 | UM-2 | 96.3m | Feb/87 | (1) |
| | UM-3 | 92.6m | Feb/87 | (1) |
| P 825766 | UM-4 | 34.7m | Feb/87 | (1) |
| | UM-4A | 31.1m | Feb/87 | (1) |
| | UM-5 | 142.0m | Feb/87 | (1) |
| P 879190 | UM-6 | 142.0m | Feb/87 | (1) |
| P 879193 | UM-7 | 81.3m | Feb/87 | (1) |
| P 879192 | UM-8 | 99.4m | Feb/87 | (1) |
| P 825768 | UM-11 | 96.3m | Mar/87 | (1) |

NOTES: (1) #137/87, filed in Jan/88.




UNIGOLD RESOURCES LTD
MORIN PROP

Hole U.M.-2
L22+00W 1+80MN
Az 180° Dip -45°
Scale 1:5000
Feb 1987
Claim 825767


70N
90N
110N
130N
150N
170N
L 22+00 W
UM-2
I.P. Anomaly 15.4m S
mnt 2%
chl-ank mafic-int flow
mnt
25m
cherty iron formation ser alt
mafic flow with interbedded cherty horizons
chl / ser alt
lapilli tuff with cherty horizons chl alt
interbedded chert and chlorite po, py 2%
amygdaloidal mafic flow ser, chl alt py 10%
ser carb chl
mafic flow with breccia and cherty horizons
50m
cherty horizons mnt bands, po 2%, py 1%
mafic flow with cherty horizons py along fractures
py 3cm bands
aspy<1% mafic tuff with cherty I.F. horizons ser chl alt
75m
quartz feldspar porphyry
aspy ↑15%
po ↑5%
py ↑10%
96.3m
mafic flow
aspy 5%
LEGEND
alt alteration
ank ankerite
arsp arsenopyrite
bio biotite
calc calcite
carb carbonate
chl chlorite
cpy chalcopyrite
fu fuchite
I.F. iron formation
int intermediate
mnt magnetite
po porphyry
py pyrite
Q.FP quartz feldspar porphyry
qtz quartz
q.v. quartz vein
sch schist
ser sericite
sph sphalerite
tour tourmaline
volc
DGSS
DURHAM GEOLOGICAL SERVICES INC.
For: Unigold Resources Ltd.
Tit:: Morin Property
UM-2
Longitudinal Section Looking West
Date: April 1987
Drawn: C.G.
Scale: 1:500
NTS:
Approved:
Fig.:

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT: Unigold Resources Ltd.

HOLE NUMBER: UM-2

AREA: Morin

LOCATION: L22 + 00W, 1 + 50N

CLAIM NUMBER: 825767

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -45°

DRILLED BY: Longyear

DATE: February 9 to February 10, 1987

LOGGED BY: P. Neelands

CASING: 3.4 m

CORE STORED AT: Timmins

LENGTH: 96.3

OBJECTIVE: Test I.P. Anomaly
0 + 95N - 1 + 15N

ACID TEST: 37° at 96.3

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS, ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-2



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| 0 | 3.4 | OVERBUREND | | | | | | | | | |
| 3.4 | 18.3 | MAFIC-INT. FLOW: chl ank alt. grey green colour. Weathered | | | | | | | | | |
| | | ank zones, narrow quartz veining, non magnetic, doesn't | | | | | | | | | |
| | | effervesce | | | | | | | | | |
| | | 3.4 - 4.5 chl andk schist, massive, very little foliation | | | | | | | | | |
| | | as 1mm blebs. 3.85 1cm wide calcite vein 045° | | | | | | | | | |
| | | 4.5 - 4.51 - 1cm wide qtz vein with calcite infilling the | | | | | | | | | |
| | | fractures. Ank 1mm blebs mixed in with qtz. Contact 045 | 045 | | | | | | | | |
| | | with ser along it | | | | | | | | | |
| | | 4.51 - 6.1 - chl ank schist; 4.51-5.2 little reaction ank | | | | | | | | | |
| | | blebs still present, moderately deformed | 063 | | | | | | | | |
| | | 5.2-5.3 - strongly deformed with calcite infilling | | | | | | | | | |
| | | along shearing | 070 | | | | | | | | |
| | | 6.1-6.12 - qtz ank vein. Calcite infilling along fractures. | | | | | | | | | |
| | | Contact 045° . Ser and py along contact | | | | | | | | | |
| | | 6.12-8.12 - gradual change in color to a lighter grey green | | | | | | | | | |
| | | strong chl ank bands up to 1 cm wide | | | | | | | | | |
| | | 6.4 - chert horizon; very deformed | | | | | | | | | |
| | | 6.6 - qtz vein 1cm wide, 050, has qtz + ser alt halo | | | | | | | | | |
| | | 1cm on both sides | | | | | | | | | |
| | | 7.0 qtz vein 1cm 045°, has a 3cm alt halo down dip | | | | | | | | | |

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DIAMOND DRILL HOLE LOG UM-2



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| | | 7.38 - ser-ank rich zone, mod deformed, 3cm wide | | | | | | | | | |
| | | 7.42 - qtz vein 1cm. Milky white and colorless | | | | | | | | | |
| | | 7.56-7.7 - zone of qtz-ank veinlets | | | | | | | | | |
| | | 7.8 - qtz vein, chl trapped in it (wallrock) | | | | | | | | | |
| | | 8.2-8.5 - ank ser sch light brown color. Ank weathered to | | | | | | | | | |
| | | limonite. Magnetite x1S - 1mm 2% | | | | | | | | | |
| | | 8.5-8.7 - carbo chl sch - massive, no banding | | | | | | | | | |
| | | 8.7-9.0 - ank carb chl sch - mod banding | | | | | | | | | |
| | | 9.0-10.4 - carb chl sch; very reactive. Calc disseminated | 065o | | | | | | | | |
| | | throughout as 1mm blebs. Moderate foliation | | | | | | | | | |
| | | 10.4-10.8 - Ank ser carb sch - brown green, moderate to | | | | | | | | | |
| | | strong foliation; 070, no Py | | | | | | | | | |
| | | 10.8-11.1 - chl carb sch - dark green, very deformed chert | | | | | | | | | |
| | | horizon less than 1cm; disseminated py along contact | | | | | | | | | |
| | | 11.1-11.4 - chl ank carb sch - brown green colour | 060° | | | | | | | | |
| | | banding of chl and ank 2mm wide. Quarz vein less than 1cm | | | | | | | | | |
| | | 11 to C.A. both milky quartz and clear quartz | | | | | | | | | |
| | | 11.4-12.7 - ser sch - light grey green color | | | | | | | | | |
| | | 12.7-12.8 - ank ser sch - highly sheared limonite brown | | | | | | | | | |
| | | color | | | | | | | | | |
| | | 12.8-13.3 - ser qtz sch - very siliceous, light grey green | | | | | | | | | |

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DIAMOND DRILL HOLE LOG UM-2



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (feet) | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 13.3-13.9 - ank ser sch; strongly foliated limonite staining | | | | | | | | | |
| | | 1% diss py. | | | | | | | | | |
| | | 13.9-14.3 - ser sch 2cm wide qtz ank vein | 070° | | | | | | | | |
| | | 14.3-15.7 - chl sch - light grey; multiple quartz veins up | | | | | | | | | |
| | | to 1.5cm wide 11 to fol. Silicification of wall rock. Py | | | | | | | | | |
| | | along contacts of veins | | | | | | | | | |
| | | 15.7-16.7 - chl ank sch - well banded, up to .5cm wide. | 060° | | | | | | | | |
| | | Calcite along fractures 11 to foliation; small quartz veining | | | | | | | | | |
| | | 16.7-17.7 - chl carb sch; py 1%, trace mnt, dark green color | | | | | | | | | |
| | | 17.7-18.3 - chl carb sch, 1mm banding, minor ankerite, | | | | | | | | | |
| | | quartz veining 2mm wide, very deformed, green grey color | | | | | | | | | |
| 18.3 | 21.7 | CHERTY IRON FORMATION: light brown grey color, well | | | | | | | | | |
| | | banded mnt bands | | | | | | | | | |
| | | 28.3-18.6 - siltstone; cherty layers up to 3mm thick, | | | | | | | | | |
| | | trace py. | | | | | | | | | |
| | | 18.6-19.2 - ser schist, fairly massive | | | | | | | | | |
| | | 19.2-19.9 - chert horizon, light grey, no py, mnt bands | 070° | | | | | | | | |
| | | 19.9-20.1 - quartz carb vein 10cm wide, alt halo 10cm | | | | | | | | | |
| | | on either side producing sersch | | | 12520 | 19.0 | 20.5 | | | | |
| | | 20.3-21.7 - banded chert horizon; bands up to 3cm thick, | | | | | | | | | |
| | | diss py blebs 3-4mm thick, calcite bands 1-2mm thick, | | | | | | | | | |
| | | siltstone altered to chl, ilmenite weathering. | | | | | | | | | |

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DIAMOND DRILL HOLE LOG UM-2



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| 21.7 | 32.3 | MAFIC FLOW WITH INTERBEDDED CHERTY HORIZONS: | | | | | | | | | |
| | | chl carb sch alt with zones of ser alt; dark grey green, | | | | | | | | | |
| | | effervesces, cherty horizons magnetite | | | | | | | | | |
| | | 21.5-25.9 - chl carb sch, very strongly foliated, dark | | | | | | | | | |
| | | grey green color, couple of cherty horizons .5cm wide with | | | | | | | | | |
| | | diss py in them | | | | | | | | | |
| | | 26.2-28.5 - ser carb sch, massive with small cherty | 075° | | | | | | | | |
| | | horizons 2mm in diameter | | | | | | | | | |
| | | 29.2-30.4 - ser carb chl sch, light grey green, well | | | | | | | | | |
| | | banded, 2.5cm cherty horizon, contacts with chert are very | | | | | | | | | |
| | | chloritic | | | | | | | | | |
| | | 31.1-31.5 - chl carb sch, very well banded, chl very dark | | | | | | | | | |
| | | green, py diss throughout chl 1% | | | | | | | | | |
| | | 31.5-32.3 - chl ank sch with fine black bands of mnt | | | | | | | | | |
| | | limonite weathering | | | | | | | | | |
| 32.3 | 33.5 | LAPILLI TUFF WITH CHERTY HORIZONS: | | | | | | | | | |
| | | grey green with deformed clasts 2cm long, effervescive, | | | | | | | | | |
| | | magnetic bands | | | | | | | | | |
| | | 32.3-32.45 - chl ser carb sch with 2-3mm cherty veins | | | | | | | | | |
| | | 3245-32.5 - 5cm wide light brown limonite weathering, | | | | | | | | | |
| | | intense calcite alteration | | | | | | | | | |

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| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | |
|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | |
| | | 32.6-32.64 - chl ank sch, limonite weathering | | | | | | | | |
| | | 32.6-33.5 - chl carb sch with zones of ser ank sch. | | | | | | | | |
| | | | | | | | | | | |
| 33.5 | 35.0 | INTERBEDDED CHERT AND CHLORITIC HORIZONS | 065° | | | | | | | |
| | | 10 cm banded chert horizons showing soft sediment slumping | | 15 | 12521 | 33.4 | 34.9 | | | |
| | | .2% py throughout cherty horizons, red jasper horizons | | | | | | | | |
| | | .5cm thick, very chloritic between chert horizons | | | | | | | | |
| | | 33.5 - diss py and po, po bands 1mm 11 to fol. chert broken | | | | | | | | |
| | | up and fracture filled with quartz | | | | | | | | |
| | | 34.1 - 1cm mnt/po bands | | | | | | | | |
| | | 34.28-34.4 - cherty horizon with bands of mnt 1-2mm, | | | | | | | | |
| | | trace cpy | | | | | | | | |
| | | 34.5 - quartz chl zone with po 5% | | | | | | | | |
| | | | | | | | | | | |
| 35.0 | 38.3 | AMYGDALOIDAL MAFIC FLOW: | | | | | | | | |
| | | grey green, ser alt calcareous, .5cm amygdules filled with | | | | | | | | |
| | | quartzcalc, highly sheared zones, limonite alt. | | | | | | | | |
| | | 35.0-35.8 - ser carb chl sch, .3mm wide amygdules filled | | | | | | | | |
| | | with calcite | | | | | | | | |
| | | 35.2-35.4 - highly sheared limonite/ser mud | | 5% | 12522 | 36.8 | 38.3 | 1.5 | | |
| | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
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P4N 7G2

DIAMOND DRILL HOLE LOG UM-2



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (feet) | Analytical Result |
|---|---|---|---|---|---|---|---|---|---|
| | | 35.8-36.4 - ser carb sch, amygdules up to 1cm may be a | | | | | | | |
| | | tuff with clasts, replaced by calcite. Some of the clasts | | | | | | | |
| | | replaced by py 10% | | | | | | | |
| | | 37.2-38.3 - ser carb sch, 3-7% py with diss and poorly | | | | | | | |
| | | developed bands. Hase some 1cm quartz tourmaline veins | | | | | | | |
| | | | | | | | | | |
| 38.3 | 43.8 | MAFIC FLOW WTIH FLOW BRECCIA AND CHERTY HORIZONS: | 070° | | | | | | |
| | | as per 21.7-32.3; ser carb alt | | | | | | | |
| | | 38.3-40.2 - ser carb sch, well banded zones of carb ser. | | | 12523 | 38.3 | 41.1 | | |
| | | Possibe streached clasts .1cm long by 3-4mm wide. Cherty | | | 12524 | 41.1 | 42.6 | | |
| | | horizons up to 1.5cm thick | | | 12525 | 42.6 | 44.1 | | |
| | | 40.2-41.9 - ser carb chl sch, clasts filled with calcite | | | | | | | |
| | | 42.2-43.8 - chl carb ser sch. Calcification alt has | | | | | | | |
| | | produced dark grey black to lighter grey. occ chert | | | | | | | |
| | | horizons .75cm thick diss py | | | | | | | |
| | | | | | | | | | |
| 43.8 | 49.3 | CHERT HORIZON | 060° | | | | | | |
| | | Chert well banded with interbedded chl carb sch. Po bands | | | 12526 | 44.1 | 45.5 | | |
| | | up to .75cm thick. Po also along contact of minor quartz | | | 12527 | 45.5 | 47.1 | | |
| | | bands. mnt bands 10% up to 1.5cm thick. Mnt veinlets | | | 12528 | 47.1 | 48.6 | | |
| | | 1-2mm crosscutting 040 | | | 12529 | 48.6 | 49.3 | | |

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P4N 7G2

DIAMOND DRILL HOLE LOG UM-2



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| 49.3 | 56.0 | MAFIC FLOW WITH INTERFLOW CHERT BANDS | | | 12530 | 49.3 | 49.8 | | | | |
| | | 49.3-49.8 - quartz trem vein | | | | | | | | | |
| | | 49.8-50.4 - ser carb chl sch, light green grey color. Py | 070° | | | | | | | | |
| | | seams 1-2mm 11 to fol. quartz banding 070, 080, 045 | | | | | | | | | |
| | | 52.0 - very deformed felsic clasts. Pillow selvages | | | | | | | | | |
| | | where very pitted | | | | | | | | | |
| | | 54.0-55.1 - very fine grained mnt throughout section, | | | | | | | | | |
| | | .75cm wide amygdules filled with calcite | | | | | | | | | |
| | | 55.1-56.0 - py along 045 fractures | | | | | | | | | |
| | | 55.9 - quartz trem vein, very deformed | | | | | | | | | |
| | | | | | | | | | | | |
| 56.0 | 64.2 | MAFIC TUFF WITH BANDS OF CHERTY I.F. | | | | | | | | | |
| | | ser chl alt, light grey green, clasts up to 2cm long, | | | | | | | | | |
| | | effervesces, mnt in cherty bands, py in bands 1-2mm | | | | | | | | | |
| | | throughout section | | | | | | | | | |
| | | 56.9-57.1 - chl chert banding up to 1cm wide. Possible | | | | | | | | | |
| | | deformed clasts | | | | | | | | | |
| | | 57.1-58.4 - ash tuff unit. Occasional clasts 2cm long | | | | | | | | | |
| | | 1cm wide, py in fine bands along 070 fractures | | | | | | | | | |
| | | 58.7-59.1 - ser carb chl sch, 2cm quartz tour vein \|\| to | 065° | | | | | | | | |
| | | filiation | | | | | | | | | |

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DIAMOND DRILL HOLE LOG



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| | | 60.2-60.23 - pyritic rich zone 20-25% | | | | | | | | | |
| | | 60.23-60.7 - diss py 1%, light grey green color | | | | | | | | | |
| | | 60.7-60.8 - cherty horizon, poor banding, 3-5% pyrite | | | | | | | | | |
| | | 61.8 - trace cpy | | | | | | | | | |
| | | 61.4-61.6 - ser chl carb sch with 1cm wide quartz tour | | | | | | | | | |
| | | calc veins and pods of calcite 1.5cm wide | | | | | | | | | |
| | | 61.6-61.7 - ser carb chl sch, creamy green color | | | | | | | | | |
| | | 61.7-62.7 - find bands of py 2mm thick mnt crystals 1mm | | | | | | | | | |
| | | quartz bands up to 1cm, py6 up to 10% over 1cm. Calcite | | | | | | | | | |
| | | veins 070 show 2-3mm displacements. Dextral movement. | | | | | | | | | |
| | | 62.7-62.8 - ser ank sch, creamy green in color, diss asp, | | | | | | | | | |
| | | less than 1% | | | | | | | | | |
| | | 62.8-64.2 - chl ser carb sch. Py ranges from 3-5% at top | | | | | | | | | |
| | | to less than 1% at bottom. Py in bands and in blebs \|\| | | | | | | | | | |
| | | to foliation | | | | | | | | | |
| | | | | | | | | | | | |
| 64.2 | 89.4 | QUARTZ FELDSPAR POR: | | | | | | | | | |
| | | medium grained, seriutized, grey to grey green, highly | | | | | | | | | |
| | | sheared feldspars smeared, slightly calcareous, non magnetic, | | | | | | | | | |
| | | severely m rofractured. Asp up to 10% over 10cm, py 1% | | | | | | | | | |
| | | diss throughout, po up to 5% | | | | | | | | | |

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DIAMOND DRILL HOLE LOG



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | |
|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Au/oz | |
| | | 64.2-64.4 - dark blue black. Cherty zone. very broken up. | | | | | | | | |
| | | Siltsone banding up to 3mm . Py 1mm bands | | | | | | | | |
| | | 64.4-67 - very highly sheared contact of QFP | | | | | | | | |
| | | 64.4-65.8 - very sheared QFP, increasing grade of sericitation, | | | 12531 | 65.8 | 66.8 | 1.0 m | Less than .01 | |
| | | dark creamy green color, very irregular quartz tour veins | | | | | | | | |
| | | less than 1cm striking 090 to 040. Calcite in fractures | | | | | | | | |
| | | in veins. Py 5% along 1mm fractures‖to fol. | | | | | | | | |
| | | 65.8-66.7 - highly sheared ser ank sch. Creamy grey. | | | | | | | | |
| | | Does not effervesce. V.f.g. as py in beds‖to fol. up | | | | | | | | |
| | | to 10%. Crystals 2mm long. Zone shows massive micro- | | | | | | | | |
| | | fracturings with silicification and specks of green mica. | | | | | | | | |
| | | 66.1 - Py vein 1mm wide | | | | | | | | |
| | | 66.7-67.0 - ser sch. Dark grey green. 1mm seams of py‖ to | | | | | | | | |
| | | foliation and diss po 5-10% over zone‖to foliation | 070° | | | | | | | |
| | | aspyxls 1mm 1-2% over zone. Highly sheared. | | | | | | | | |
| | | 67m - ser ank sch | | | 12532 | 67.0 | 68.0 | 1.0 | .01 | |
| | | Plag phenos are smeared. Recent fractures effervesce | | | | | | | | |
| | | 67.0-67.1 - light green grey alt. 2-3% 1mm aspxls | | | | | | | | |
| | | 67.1-67.45 - dark grey green ser qtz to QFP. 3mm veinlets | | | | | | | | |
| | | of po. Aspxls, , 3% along fol. beds | | | | | | | | |
| | | | | | | | | | | |

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P4N 7G2

DIAMOND DRILL HOLE LOG UM-2



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (feet) | Analytical Result | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 67.45-67.5 - creamy grey color, 1mm 1% asp\|\| fol. | | | | | | | | |
| | | 67.9-67.92 - creamy light grey - py\|\|to fol. 2% | | | | | | | | |
| | | 67.92-68.87 - ser ank chl less altered, chl present, | | | | | | | | |
| | | diss py 1%, cp bleb | | 1% | 12533 | 68.0 | 68.9 | 0.9 | .01 | |
| | | 68.87-69.05 - 1cm quartz vein, speck py, alt halo 1-2cm | | 1% | 12534 | 68.9 | 69.9 | 1.0 | .01 | |
| | | on either side of vein | | 1% | 12535 | 69.9 | 70.9 | 1.0 | .01 | |
| | | 69.05-69.06 - quartz vein 4mm wide | | 1% | 12536 | 70.9 | 71.7 | 0.8 | .01 | |
| | | 69.06-71.12 - diss py less than 1% throughout section | | 1% | 12537 | 71.7 | 72.6 | 0.9 | .01 | |
| | | 71.12-71.2 - siliceous ser zone. Light grey color, | | | | | | | | |
| | | microfractures abundant. Py 1% diss | | | | | | | | |
| | | 71.2-71.55 - very fine grained Asp. 1% | | | | | | | | |
| | | 71.55-71.65 - siliceous ser zone. Green mica & f.g. asp. | | | | | | | | |
| | | 71.65-71-92 - ser ank sch - light grey green v.f.g. asp. | | | | | | | | |
| | | Very ser rich. py splotches up to .5cm. Diss 3-5% | | | | | | | | |
| | | some py 1mm veinlets, green mica blades 2mm, 1% | | | | | | | | |
| | | 71.92-72.0 - siliceous ser sch, minor py 1% along | 065° | | | | | | | |
| | | fractures\|\|to fol. | | | | | | | | |
| | | 72.0-72.4 - ser ank sch Asp. 2-3% xls up to 2mm, py up | | | | | | | | |
| | | to 7% | | | | | | | | |
| | | 72.4-72.42 - ser ank sch - bleached zone; py 10% | | | | | | | | |
| | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
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TIMMINS, ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (Meters) | Analytical Result Au oz/ton |
|---|---|---|---|---|---|---|---|---|---|
| | | 72.42-72.7 - py up to 10% in sections | | 5% | 12538 | 72.6 | 73.5 | 0.9 m | 0.1 |
| | | 72.7-72.9 - interbedded ser siliceous zones and ser ank | | 10% | 12539 | 73.5 | 74.4 | 0.9 | 0.1 |
| | | sch. py 10%\|\|to foliation | 070 | | | | | | |
| | | 72.9-73.1 - microfracturing. ser siliceous zones, some | | | | | | | |
| | | diss py in fractures | | | | | | | |
| | | 73.1-73.3 - scr ank sch - trace po; py 2% | | | | | | | |
| | | 73.3-73.38 - ser qtz sch - dark grey siliceous 1% py | | | | | | | |
| | | 73.4 - green mica | | | | | | | |
| | | 73.6 - As py up to 12%\|\|to foliation, green mica | | | | | | | |
| | | 73.7 - As Py xls 2-3mm long | | | | | | | |
| | | 73.8-74.1 - py blebs 4mm | | | | | | | |
| | | 74.1-74.32 - light green grey. As Py xls up tp 5mm Fe 5%, | | | | | | | |
| | | py xls less than 1mm 3% | | | | | | | |
| | | 74.32-75.0 - py along 040, fractures 8% | | 5% | 12540 | 74.4 | 75.6 | 1.2 | .01 |
| | | 75.0-75.1 - ser ank sch, very well foliated | | | 12541 | 75.6 | 76.6 | 1.0 | .01 |
| | | 75.1-84.0 - ser ank sch with zones up to 10cm ser sch, | | | 12542 | 76.6 | 77.6 | 1.0 | .01 |
| | | very strongly foliated | | | 12543 | 77.6 | 78.4 | 0.8 | .01 |
| | | 84.0-84.1 - mafic feld - porp dike | | | 12544 | 78.4 | 79.4 | 1.0 | .016 |
| | | 84.1-85.2 - very highly sheared O.F.P. | | | 12545 | 79.5 | 80.0 | 0.5 | .01 |
| | | 85.2-85.6 - mafic feld porp dike, massive felds 1mm, | | | 12546 | 80.0 | 81.1 | 1.1 | .01 |
| | | non magnetic, non calc, dark green | | | 12547 | 81.1 | 82.0 | 0.9 | .01 |

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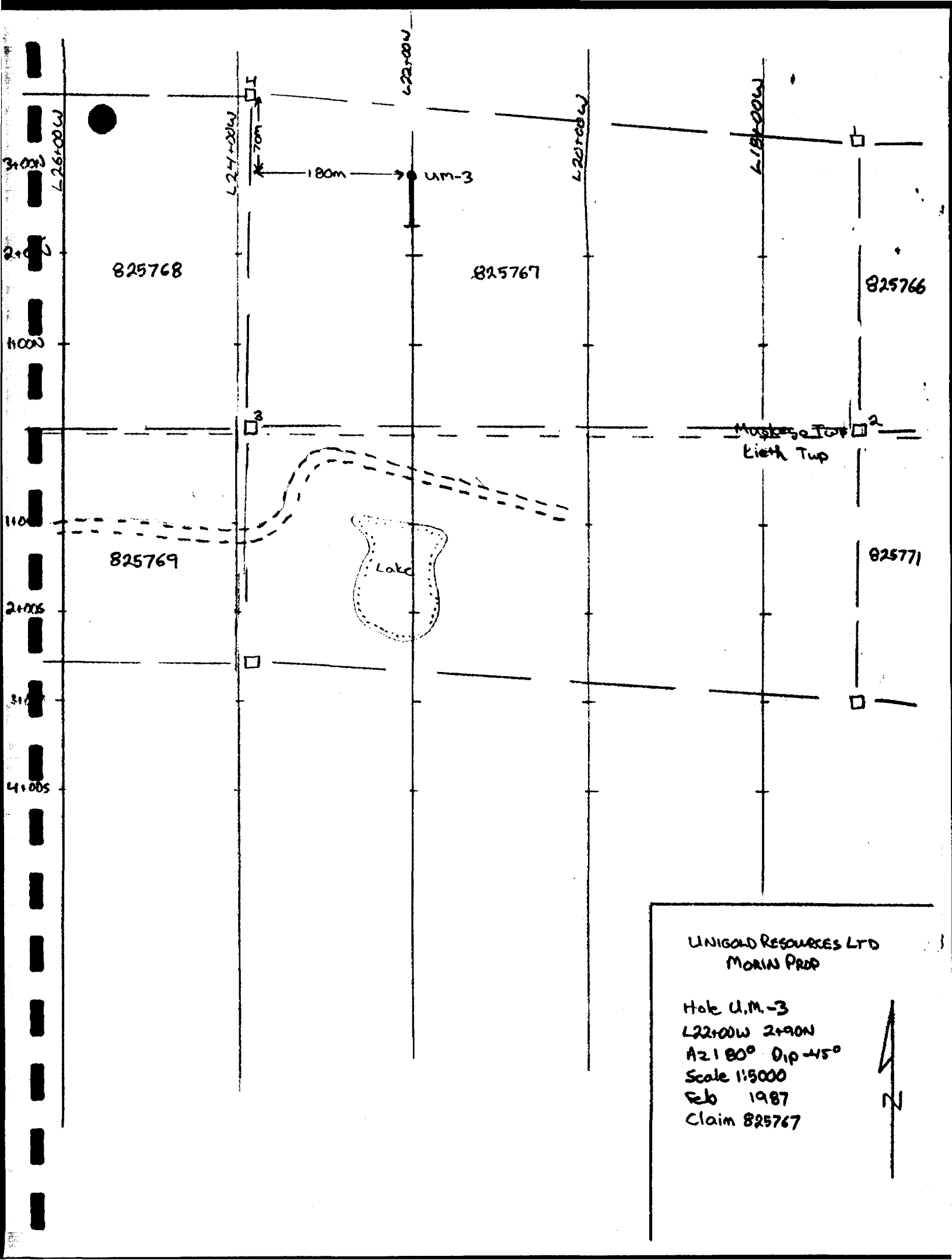
DIAMOND DRILL HOLE LOG

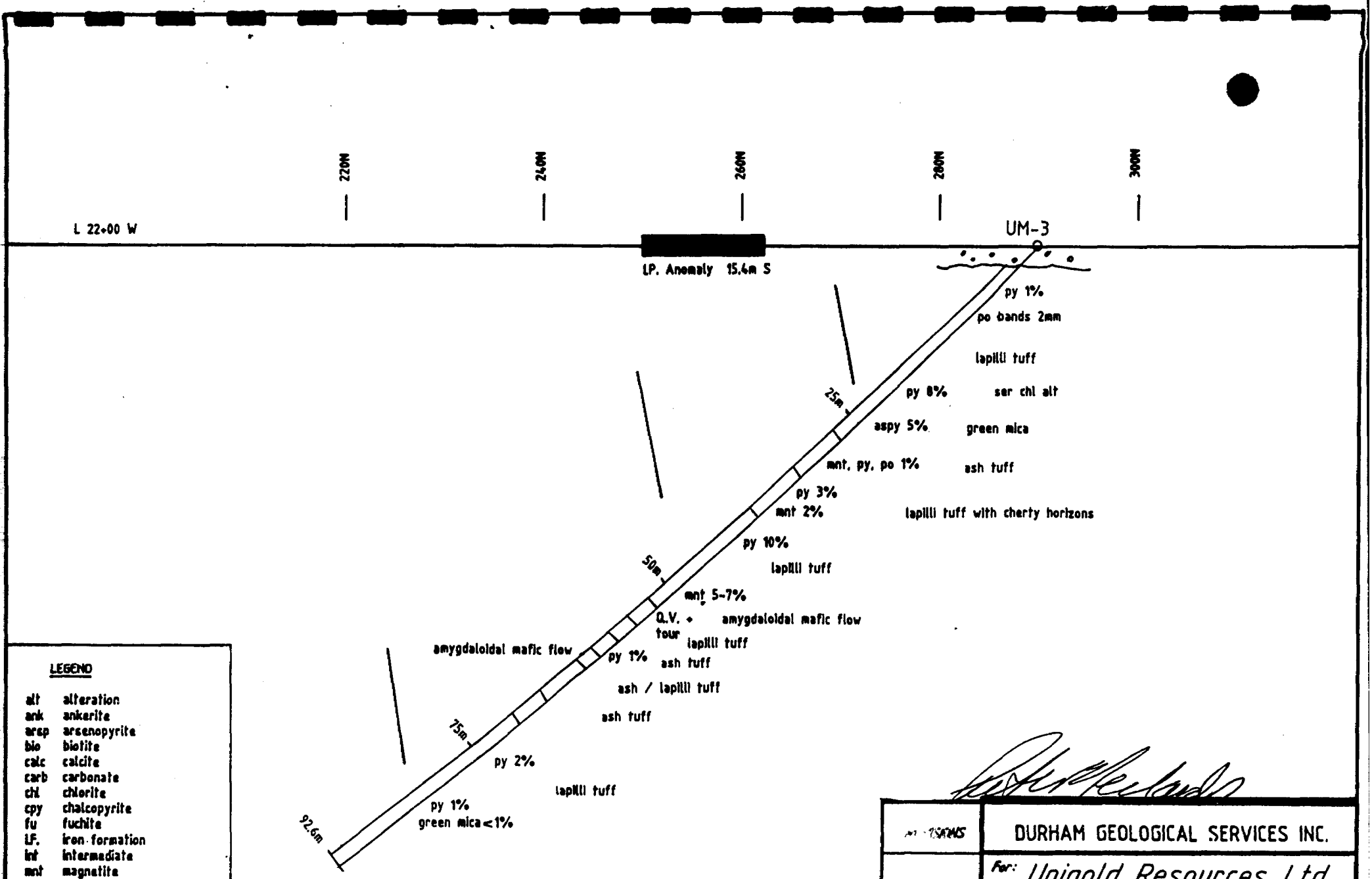


| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Au/oz | | |
| | | 85.6-87 - Q.F.P. starting to show less deformation | | | 12548 | 82.0 | 82.9 | 0.9 | .01 | | |
| | | 87.0-87.1 - mafic feld porp dike as from 85.2 to 85.6 | | | 12549 | 82.9 | 83.9 | 1.0 | .01 | | |
| | | 87.1-87.5 - Q.F.P. less shearing scloritic metamorphism | | | 12550 | 90.5 | 91.4 | 0.9 | .01 | | |
| | | 87.5-87.6 - mafic feld porp dike as from 85.2 to 85.6 | | | | | | | | | |
| | | 87.6-92.0 - Q.F.P. slightly sheared and chloritic | | | | | | | | | |
| | | 89.3-89.4 - quartz vein re due to hem xls | | | | | | | | | |
| | | | | | | | | | | | |
| 89.4 | 96.3 | MAFIC FLOW: | | | | | | | | | |
| | | green grey. lower section amygdolordal, asp ass with | | | | | | | | | |
| | | ser rich zone | | | | | | | | | |
| | | 89.4-90.8 - mafic flow | | | | | | | | | |
| | | 90.8-91.2 - ser ank sch - green mica less than 1% asp 2% | | | | | | | | | |
| | | 91.2-96.3 - amygdolordal mafic flow - amygdoloids .7cm | | | | | | | | | |
| | | filled with calcite/quartz | | | | | | | | | |
| | | | | | | | | | | | |
| | | 96.3 E.O.H. | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |




UNIGOLD RESOURCES LTD
MORIN PROP

Hole U.M.-3
L22+00W 2+90N
Az 180° Dip -45°
Scale 1:5000
Feb 1987
Claim 825767




LEGEND

| | |
|---|---|
| alt | alteration |
| ank | ankerite |
| arsp | arsenopyrite |
| bio | biotite |
| calc | calcite |
| carb | carbonate |
| chl | chlorite |
| cpy | chalcopyrite |
| fu | fuchite |
| I.F. | iron formation |
| int | intermediate |
| mnt | magnetite |
| po | porphyry |
| py | pyrite |
| Q.F.P | quartz feldspar porphyry |
| qtz | quartz |
| q.v. | quartz vein |
| sch | schist |
| ser | sericite |
| sph | sphalerite |
| tour | tourmaline |
| vol | volcanic |

| | |
|---|---|
| | DURHAM GEOLOGICAL SERVICES INC. |
| | For: Unigold Resources Ltd. |
| | Title: Morin Property<br>UM-3<br>Longitudinal Section Looking West |
| | Date: April 1987 \| Drawn: C.G. \| Scale: 1:500 |
| | NTS: \| Approved: \| Fig.: |

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT: Unigold Resources Ltd.

HOLE NUMBER: UM-3

AREA: Morin Property

LOCATION: L22 + 00W, 2 + 90N

CLAIM NUMBER: 825767

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -45°

DRILLED BY: Longyear

DATE: February 12, 1987

LOGGED BY: P. Neelands

CASING: 3.0 m

CORE STORED AT: Timmins

LENGTH: 92.6 m

OBJECTIVE: Test I.P. Anomaly
L22 + 100W, 2 + 50N - 2 + 62N

ACID TEST: 37° at 92.6 m

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
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DIAMOND DRILL HOLE LOG UM-3



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (feet) | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.0 | OVERBURDEN | | | | | | | | | |
| | | | | | | | | | | | |
| 3.0 | 27.2 | LAPILLI TUFF | | | | | | | | | |
| | | well banded, green grey, ser chl alt highly sheared zones | | | | | | | | | |
| | | show limonite staining; diss py less than 1% throughout | | | | | | | | | |
| | | section, strongly effervescive, non magnetic, po less | | | | | | | | | |
| | | than 1% | | | | | | | | | |
| | | 3.0-3.5 - ser chl carb sch; very well banded 2-3mm bands | | | | | | | | | |
| | | ; qtz carb and chl/ser bands | | | | | | | | | |
| | | 3.5-3.53 - limonite staining | | | | | | | | | |
| | | 3.53-5.5 - ser chl ank sch; diss py less than 1% | | | | | | | | | |
| | | 5.5-5.75 - light grey ser sch | | | | | | | | | |
| | | 5.75-6.20 - ank ser sch; limonite staining | | | | | | | | | |
| | | 6.2-6.4 - chl ser carb sch; minor py bands 1mm | | | | | | | | | |
| | | 6.4-6.6 - ank ser sch; well banded, pitted, limonite staining | | | | | | | | | |
| | | 7.9-8.3 - ser chl ank sch; calcite along fractures \|\|to | | | | | | | | | |
| | | foliation; diss py 1% | | | | | | | | | |
| | | 8.4-9.1 - ser chl ank sch; mod. banded; py seams \|\|to | 060° | | | | | | | | |
| | | foliation | | | | | | | | | |
| | | 9.1-9.17 - limonite staining | | | | | | | | | |
| | | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
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DIAMOND DRILL HOLE LOG UM-3



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | 9.17-10.35 - ser carb chl sch; very good banding; light | | | | | | | | | |
| | | bands - calcite; dark bands ser/chl; py 1% as pseudo- | | | | | | | | | |
| | | bands \|\| to foliation | | | | | | | | | |
| | | 10.35-10.45 - bands become wider; .4cm wide; py and po | | | | | | | | | |
| | | in bands 2-3mm wide; py xls larger than po xls; po as | | | | | | | | | |
| | | bands and diss white bands-chert. | | | | | | | | | |
| | | 10.45-10.75 - ser ank sch with cherty bands; V.F.q.Pu | | | | | | | | | |
| | | 2% diss throughout | | | | | | | | | |
| | | 10.9-11.2 - limonite weathering | | | | | | | | | |
| | | 11.2-11.8 - ser chl ank sch; well banded | | | | | | | | | |
| | | 11.8-11.97 - limonite weathering; strongly sheared | | | | | | | | | |
| | | 11.94-13.6 - poorly developed 1mm bands of py; well banded | | | | | | | | | |
| | | 13.6-15.4 - well banded | | | | | | | | | |
| | | 15.4-15.7 - ser chl sch; greey grey, bands up to .75cm; | 065° | | | | | | | | |
| | | less than 1% py; shist bands carb rich | | | | | | | | | |
| | | 15.7-17.7 - mnt 1mm slx 2%; diss py 1% in poorly | | | | | | | | | |
| | | developed bands | | | | | | | | | |
| | | 16.88 - 2cm wide qtz vein; mnt banding 2mm; possible | | | 12852 | 16.0 | 17.5 | 1.5 | 1.2 | 12 | 3 |
| | | small I.F. py bands \|\| to foliation | | | 12853 | 17.5 | 19.0 | 1.5 | 1.1 | 16 | 3 |
| | | 17.7-18 - light green grey; py bands 1mm 1-2cm | | | 12854 | 19.0 | 20.5 | 1.5 | 1.0 | 21 | 6 |
| | | | | | | | | | | | |

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DIAMOND DRILL HOLE LOG UM-3



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | 18.0-19.5 - 1-2mm bands of qtz calc and ser/chl. py | | | | | | | | | |
| | | forms bands up to 1cm wide 7-8% bands less than 1cm | | | | | | | | | |
| | | apart | | | | | | | | | |
| | | 18.2-19.4 - cherty bands | | | | | | | | | |
| | | 19.1-19.3 - limonite weathering | | | | | | | | | |
| | | 10.5-20.7 - ser chl carb sch diss py ass with the | | | | | | | | | |
| | | quartz bandings 1cm wide py zone 15% effervescive | | | | | | | | | |
| | | 20.7-20.8 - med-coarse grained unit | | | | | | | | | |
| | | 20.8-26.3 - pyritic rich beds.1mm wide; ser chl ank | | | | | | | | | |
| | | sch qtz banding less than 3mm wide | | | | | | | | | |
| | | 26.3-27.4 - ser ank sch very light grey green; 20 cm | | | 12855 | 26.4 | 27.4 | 1.0 | 1.0 | 14 | 4 |
| | | wide zone with trace green mica; specks of py and | | | | | | | | | |
| | | blades of Asp. | | | | | | | | | |
| | | | | | | | | | | | |
| 27.4 | 32.1 | ASH TUFF | | | | | | | | | |
| | | ser atl, light grey green, py and po 1%, mnt less than | | | | | | | | | |
| | | 1%, fine grained, massive | | | | | | | | | |
| | | 27.4-31 - ser chl carb sch; less than 1% py diss | | | 12856 | 30.7 | 32.0 | 1.3 | 0.9 | 11 | .4 |
| | | throughout; mnt-diss and in 2mm wide bands; po in | | | | | | | | | |
| | | fine grained stringers; py slightly coarser grained | | | | | | | | | |
| | | than po 1%, effervescive | | | | | | | | | |
| | | 31.0-32.1 - bands up to 5cm ser ank schist | | | | | | | | | |

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DIAMOND DRILL HOLE LOG UM-3



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (Meters) | Analytical Result Ag ppm | Analytical Result As ppm | Analytical Result Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.1 | 38.0 | LAPILLI TUFF WITH CHERTY HORIZONS | | | | | | | | | |
| | | ser ank alt, light green, very well banded, c ,ts 2cm long, | | | | | | | | | |
| | | up to 1cm wide; calcite replacement, po and py beds \|\| to | | | | | | | | | |
| | | foliation, 1%, secondary cleavage 020 TCA, mnt 3% near | | | | | | | | | |
| | | lower contact | | | | | | | | | |
| | | 32.1-34.9 - very distinct layering up to 2cm wide. Dark | | | | | | | | | |
| | | grey ser sch zones 2-3cm wide py 3 5%. Qtz calcite beds | | | | | | | | | |
| | | were clasts - 1cm wide, py in bands 1mm wide; qtz veining | | | | | | | | | |
| | | 21cm 10° TCA . 020 fractures with oxidized py cubes. | | | | | | | | | |
| | | Calcite replaced plag feldspars. | | | | | | | | | |
| | | 34.9-35.0 - qtz vein 10cm wide | 060° | | | | | | | | |
| | | 35.0-35.2 - ser chl carb sch. | | | | | | | | | |
| | | 35.2-40.5 - ser carb chl sch. very well banded 2-3mm up to | | | 12857 | 38.2 | 39.8 | 1.6 | 1.2 | 14 | 2 |
| | | 1cm; bands actually streached clasts. occ py seam \|\| to | | | 12858 | 39.8 | 41.5 | 1.7 | 0.9 | 16 | 6 |
| | | foliation. Calcite in bands and replacement of feldspars. | | | | | | | | | |
| | | Po found in 1mm bands 45 TCA py cubes coarser crystals | | | | | | | | | |
| | | than po. small 2cm ser sch zones. Secondary cleavage very | | | | | | | | | |
| | | shallow dipping 40.1 speck Aspy | | | | | | | | | |
| | | 40.0-40.5 - magnetite diss 2% effervescive | | | | | | | | | |
| | | 40.5-40.85 - light grey green. secondary cleavage very | | | | | | | | | |
| | | prominent making microfractures 020° | | | | | | | | | |

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DIAMOND DRILL HOLE LOG UM-3



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | 40.85-41.5 - mnt; very magnetic 3% diss | | | 12859 | 41.4 | 42.7 | 1.3 | 1.1 | 7 | 4 |
| | | 41.5-41.7 - ser ank sch; minor py bands 2% | | | | | | | | | |
| | | | | | | | | | | | |
| 42.7 | 51.8 | LAPILLI TUFF | | | | | | | | | |
| | | ser ank alt light green grey, clasts deformed 1:4, | | | | | | | | | |
| | | secondary cleavage very prominent, qtz veining 3cm | | | | | | | | | |
| | | with tourmaline py bands \|\| to foliation | | | | | | | | | |
| | | 42.7-44.3 - ser chl ank sch - 2-3mm banding py bands | | | | | | | | | |
| | | 1mm have been linked by secondary cleavage | | | | | | | | | |
| | | 44.5-50.8 - ser carb sch | | | | | | | | | |
| | | 44.9 - py bands 3mm wide | | | | | | | | | |
| | | 45.1 - 3cm wide qtz vein with tour needles | | | | | | | | | |
| | | 45.3 - py band 1mm | | | | | | | | | |
| | | 45.4-50.43 - qtz ank rich zone | | | | | | | | | |
| | | 45.6 - kink banding | | | | | | | | | |
| | | 45.7 - 3cm qtz ank vein | | | | | | | | | |
| | | 45.8-46.1 - fine py bands 4mm 1-2cm apart | 060° | | | | | | | | |
| | | 46.13 - 2-3mm wide massive py zone | | | | | | | | | |
| | | 46.7-47.1 - atz vein | | | 12860 | 48.7 | 49.1 | 0.4 | 1.2 | 7 | 10 |
| | | 47.6-48.6 - tuffaceous zone py seams 2% and deformed | | | | | | | | | |
| | | clasts 1:4 | | | | | | | | | |

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DIAMOND DRILL HOLE LOG



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| | | 48.6-48.62 - light green grey very sheared tuff | | | | | | | | | |
| | | 50.2-50.8 - very good banding | | | | | | | | | |
| | | 50.8-51.2 - brecciated qtz carb chl zone | | | | | | | | | |
| | | 51.8 - 3cm wide felsic dike; 5-7% mnt; dark grey aphanitic | | | | | | | | | |
| | | | | | | | | | | | |
| 51.8 | 54.6 | AMYGDALOIDAL MAFIC FLOW | | | | | | | | | |
| | | ser alt, grey green to light grey green amygdules up | | | | | | | | | |
| | | to .7cm calcite filled sercondary cleavage very prominent | | | | | | | | | |
| | | 52.3-52.9 - ser chl carb with phanos .7cm calcite filled | | | | | | | | | |
| | | 52.9-53.1 - qtz vein with up to 5% tourmaline | | | | | | | | | |
| | | 53.56-53.58 - 2cm qtz vein | | | | | | | | | |
| | | 53.58-57.9 - secondary cleavage 020 TCA | | | | | | | | | |
| | | | | | | | | | | | |
| 54.6 | 57.3 | LAPILLI TUFF | | | | | | | | | |
| | | ser ank alt, grey, clasts up to 2cm long, .2cm thick, | | | | | | | | | |
| | | non magnetic, py bands 2mm thick | | | | | | | | | |
| | | 54.5-55.2 - ank banding .5cm wide; bands are deformed | | | | | | | | | |
| | | clasts | | | | | | | | | |
| | | 55.4 - py cubes up to 2mm in bands | | | | | | | | | |
| | | 55.8 - 1cm qtz vein | | | | | | | | | |
| | | 55.8-57.9 - clasts up to 2cm long, .7cm thick. | | | | | | | | | |

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DIAMOND DRILL HOLE LOG UM-3



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| 57.3 | 59.4 | ASH TUFF | | | | | | | | | |
| | | fine grained, fairly massive, ser chl carb sch | | | | | | | | | |
| | | | | | | | | | | | |
| 59.4 | 61.7 | AMYGDALOIDAL MAFIC FLOW | | | | | | | | | |
| | | grey green to brown green, ser alt, amygdules up to 1cm | | | | | | | | | |
| | | diss. py 1%, interbedded ash tuff bands, limonite staining | | | | | | | | | |
| | | 59.4-60.1 - ser chl carb sch, qtz eyes up to 1cm:diss py | | | | | | | | | |
| | | less than 1% carb is calcite | 060° | | | | | | | | |
| | | 60.1-60.23 - small ash tuff band | | | | | | | | | |
| | | 60.23-60.9 - qtz eyes up to 1cm. diss py 1% mod banding | | | | | | | | | |
| | | 6019-61.7 - limonite staining | | | | | | | | | |
| | | | | | | | | | | | |
| 61.7 | 65.7 | ASH LAPILLI TUFF | | | | | | | | | |
| | | ser chl carb sch alt. Interbedded ash/lapilli tuff, py | | | | | | | | | |
| | | blebs 5mm, bands of ser sch, phenos .75cm of qtz-calcite, | | | | | | | | | |
| | | slightly deformed | | | | | | | | | |
| | | 61.6-63.4 - light green grey | | | | | | | | | |
| | | 61.5-61.6 - occ py blebs 5mm | | | | | | | | | |
| | | 63.4-65.0 - tiny 3mm bands light grey ser sch | | | | | | | | | |
| | | 65.0-65.3 - carb qtz phenos .75cm. Phenos are slightly | | | | | | | | | |
| | | flattened | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-3



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (feet) | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 65.3-65.8 - tiny 3mm bands of light grey ser sch | | | | | | | | | |
| | | 65.5-65.6 - chert horizon | | | | | | | | | |
| | | | | | | | | | | | |
| 65.7 | 71.5 | MAFIC ASH TUFF | | | | | | | | | |
| | | ser calcite alt very fine grained, secondary cleavage | | | | | | | | | |
| | | very evident, dark green grey color, effervescive, | | | | | | | | | |
| | | trace py, non magnetic | | | | | | | | | |
| | | 65.8-66.7 - secondary cleavage 020 shows .5cm fracture | | | | | | | | | |
| | | displacement (dextral) carb is calcite | | | | | | | | | |
| | | 66.7-71.5 - ser chl carb sch | | | | | | | | | |
| | | 67.2 - 2cm qtz carb vein; py along contact | | | | | | | | | |
| | | 70.3 - 1cm kink bands | | | | | | | | | |
| | | | | | | | | | | | |
| 71.5 | 92.6 | LAPILLI TUFF | | | | | | | | | |
| | | ser ank alt, light grey green to grey green, 1cm ser | | | | | | | | | |
| | | bands py 1%, green mica less than 1% with ser bands | | | | | | | | | |
| | | clasts up to 1cm long, 5cm wide | | | | | | | | | |
| | | 71.2-73.7 - kink bands, less than 1cm, 1cm ser sch | | | | | | | | | |
| | | bands. occ py cubes 2mm | | | | | | | | | |
| | | 73.7-76.3 - ser sch bands up to 5cm thick; light | | | | | | | | | |
| | | grey green; diss py in ser bands as irregular bands | | | | | | | | | |

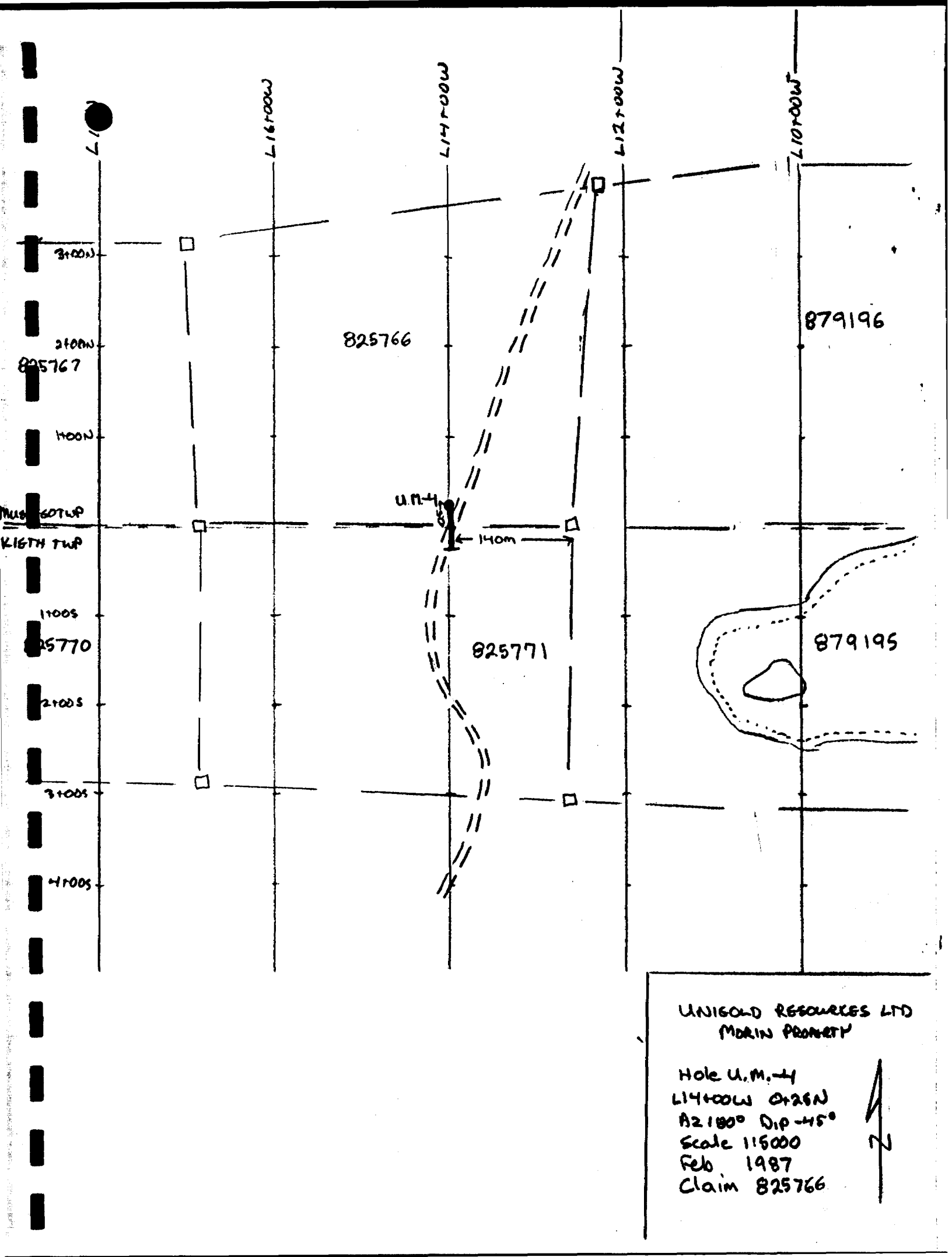
DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-3



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | 76.3-80.1 - ser calcite chl sch - very finely banded | 060° | | 12861 | 78.0 | 80.4 | 2.4 | 1.0 | 11 | 3 |
| | | occ py | | | 12862 | 80.4 | 82.0 | 1.6 | 0.9 | 12 | 3 |
| | | 80.1-84.0 - ser ank sch | | | 12863 | 82.0 | 83.4 | 1.4 | 1.3 | 9 | 5 |
| | | 83.7-83.9 - ser ank green mica sch | | | 12864 | 83.4 | 84.8 | 1.4 | 1.1 | 12 | 3 |
| | | 81.7 - 1cm limonite weathering | | | | | | | | | |
| | | 82.4 - 5cm limonite | | | | | | | | | |
| | | 83.9 - 15cm wide ser sch with 1% green mica | | | | | | | | | |
| | | 84.9 - 1 qtz vein 1cm wide py along contact | | | 12865 | 84.8 | 86.3 | 1.5 | 1.8 | 17 | 2 |
| | | 84.9-85.1 - ser sch with green mioa less than 1% and | | | | | | | | | |
| | | py 1% | | | | | | | | | |
| | | 85.1-85.4 - ser acarb chl sch diss 1% py | | | | | | | | | |
| | | 85.4-85.45 - ser sch with green mica 1% | | | | | | | | | |
| | | 86.0 - 2cm wide siliceous breccia zone | | | | | | | | | |
| | | 87.3-88.0 - ser chl carb sch less than 1% py diss | | | | | | | | | |
| | | 88.0 - ser chl carb sch - clasts up to 1cm long and | 065° | | | | | | | | |
| | | .5 wide | | | | | | | | | |
| | | | | | | | | | | | |
| | 92.6 | E.O.H. | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Peter Kelands




UNIGOLD RESOURCES LTD
MORIN PROPERTY

Hole U.M.-4
L14+00W 0+26N
Az 180° Dip -45°
Scale 1:5000
Feb 1987
Claim 825766

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT: Unigold Resources Ltd.

HOLE NUMBER: UM-4

AREA: Morin Property

LOCATION: L14W, 0 + 25N

CLAIM NUMBER: 825766

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -45°

DRILLED BY: Longyear

DATE: February 13 to February 14, 1987

LOGGED BY: N/A

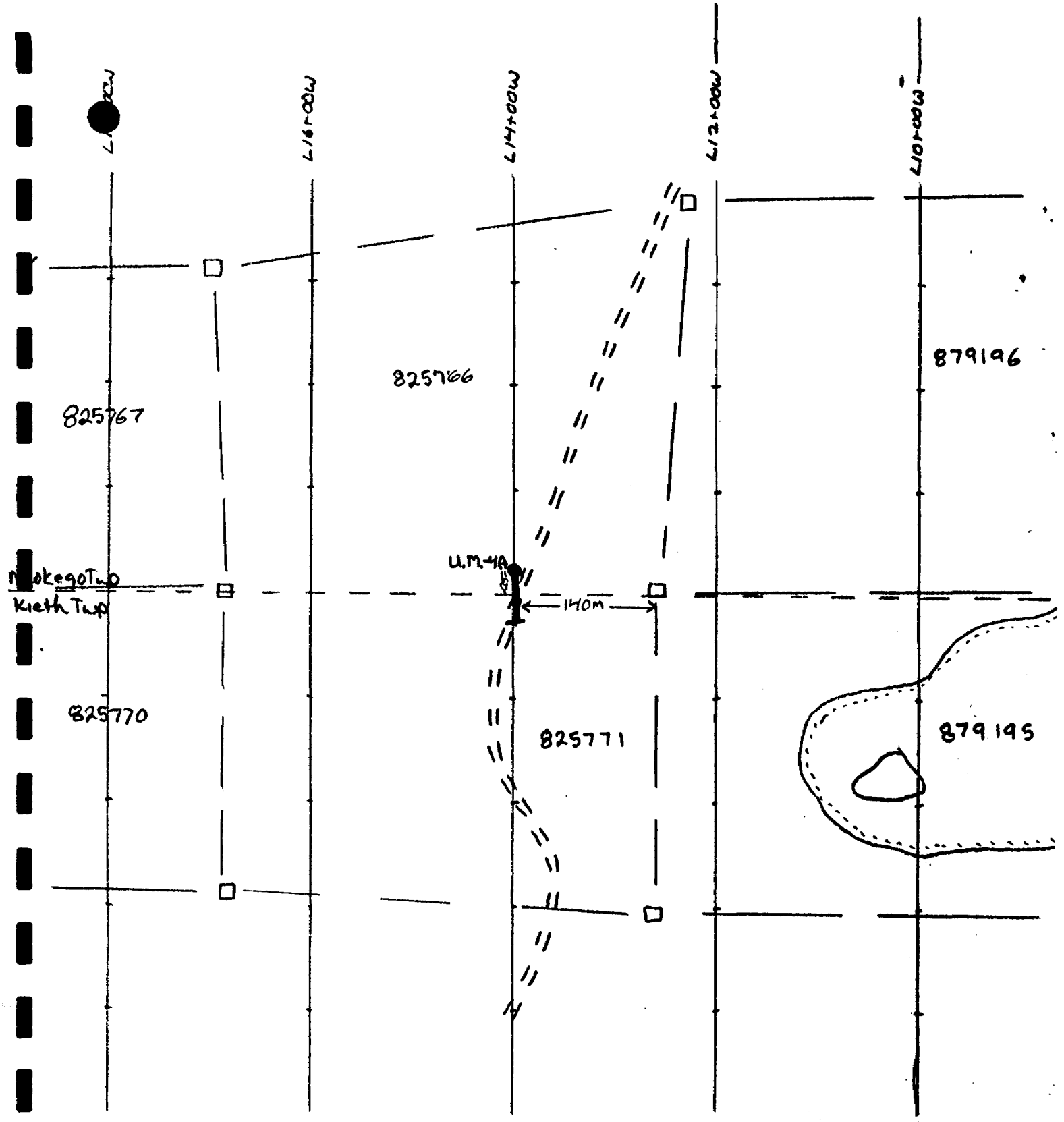
CASING: 34.7 m

CORE STORED AT: N/A

LENGTH: 34.7 m (Abandoned in overburden)

OBJECTIVE: Test Ip Anomaly and Strike Extension of Q.F.P. in Hole UM-2

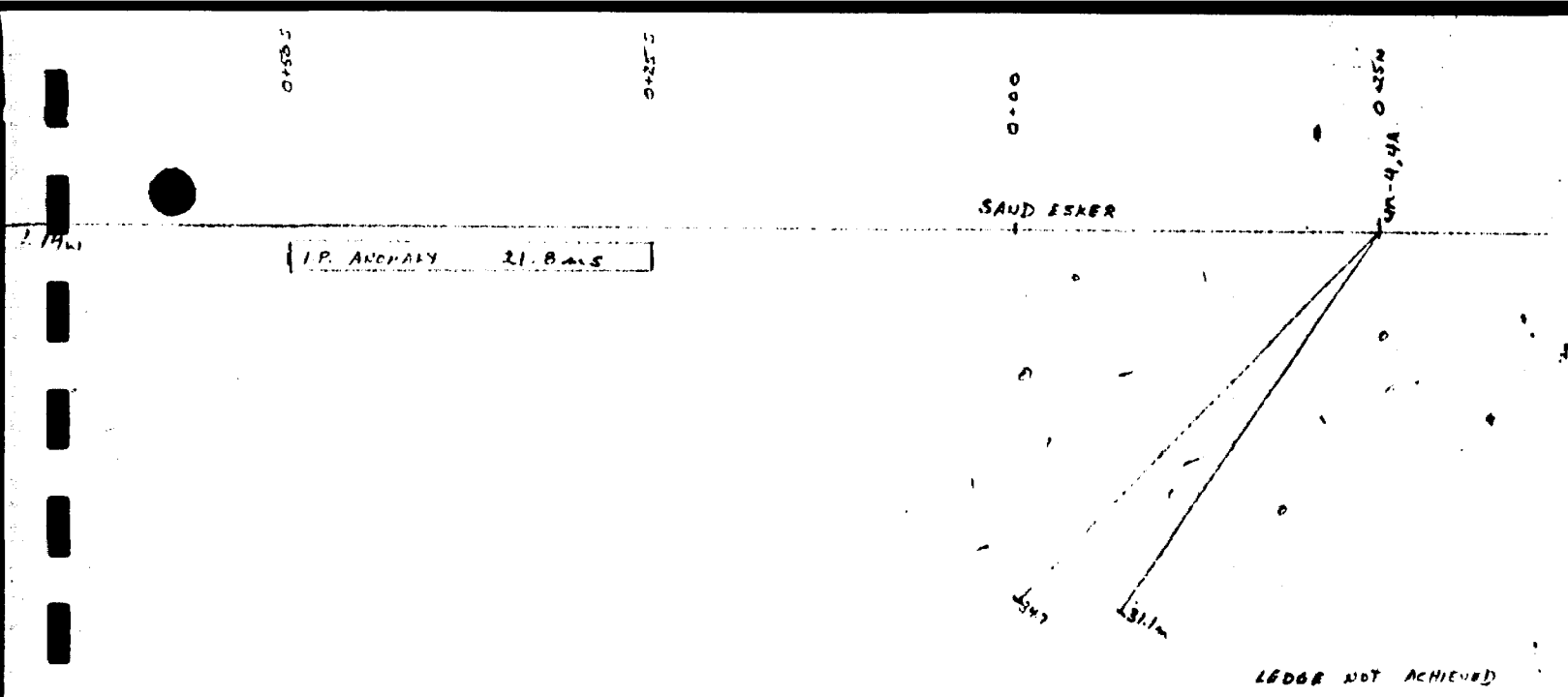
ACID TEST: N/A




UNIGOLD RESOURCES LTD
MORIN PROPERTY

Hole U.M.-4A
L14+00W 0+25N
Az 180° Dip -55°
Scale 1:5000
Feb 1987
Claim 825766

N




UNIGOLD RESOURCES LTD
MORIN PROPERTY
LONGITUDINAL SECTION
LOOKING WEST

DDH UM-4, 4A

FEB 1987
1:500

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT: Unigold Resources Ltd.

HOLE NUMBER: UM-4A

AREA: Morin Property

LOCATION: L14W 0 + 25N

CLAIM NUMBER: 825766

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -45°

DRILLED BY: Longyear

DATE: February 15 to February 16, 1987

LOGGED BY: N/A

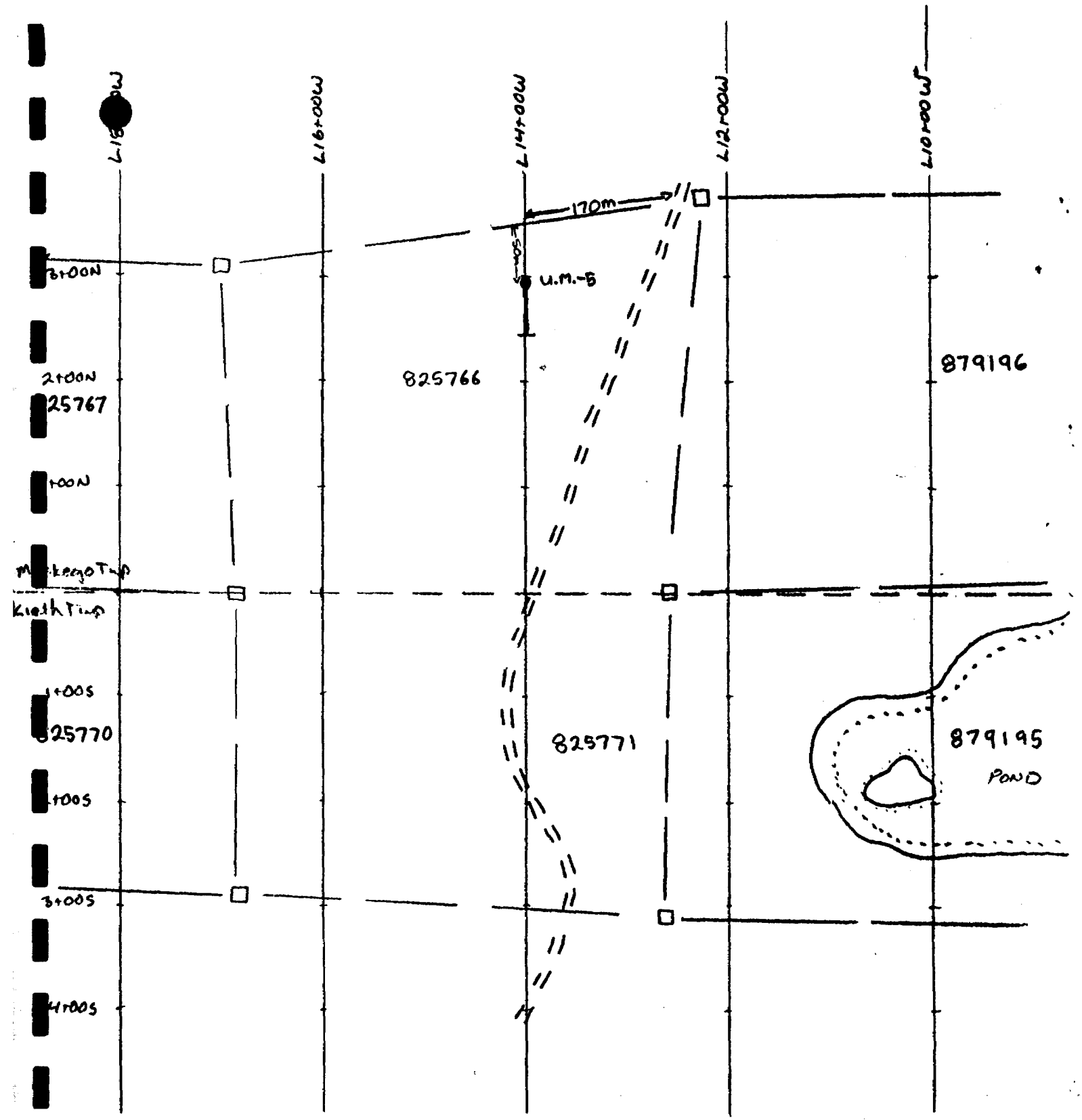
CASING: 31.1 m

CORE STORED AT: N/A

LENGTH: 31.1 m (Abandoned in overburden)

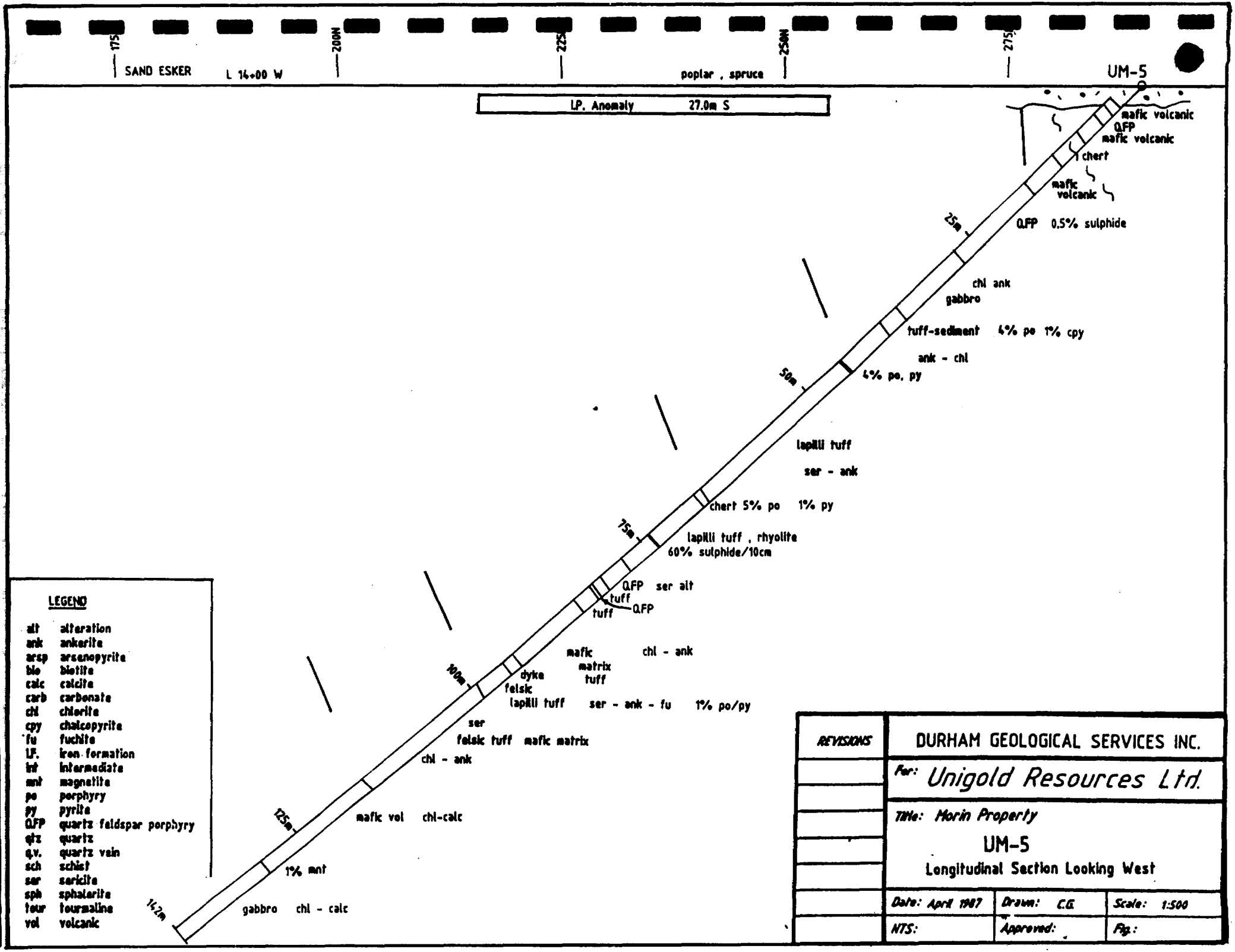
OBJECTIVE: Test I.P. Anomaly and Strike Extension of Q.F.P. in Hole UM-2

ACID TEST: N/A




UNIGOLD RESOURCES LTD
MORIN PROPERTY

Hole U.M.-5
L14+00W 2+90N
Az 180° Dip -45°
1:5000
Feb 1987


175
SAND ESKER
L 14+00 W
200N
225
poplar , spruce
250N
275
UM-5
I.P. Anomaly 27.0m S
mafic volcanic
Q.FP
mafic volcanic
chert
mafic volcanic
25m
Q.FP 0.5% sulphide
chl ank
gabbro
tuff-sediment 4% po 1% cpy
ank - chl
50m
4% po, py
lapilli tuff
ser - ank
chert 5% po 1% py
75m
lapilli tuff , rhyolite
60% sulphide/10cm
Q.FP ser alt
tuff
tuff
Q.FP
mafic
matrix
tuff
chl - ank
100m
dyke
felsic
lapilli tuff ser - ank - fu 1% po/py
ser
felsic tuff mafic matrix
chl - ank
125m
mafic vol chl-calc
1% mnt
14.2m
gabbro chl - calc
LEGEND
alt alteration
ank ankerite
arsp arsenopyrite
bio biotite
calc calcite
carb carbonate
chl chlorite
cpy chalcopyrite
fu fuchite
I.F. iron formation
int intermediate
mnt magnetite
po porphyry
py pyrite
Q.FP quartz feldspar porphyry
qtz quartz
q.v. quartz vein
sch schist
ser sericite
sph sphalerite
tour tourmaline
vol volcanic
REVISIONS
DURHAM GEOLOGICAL SERVICES INC.
For: Unigold Resources Ltd.
Title: Morin Property
UM-5
Longitudinal Section Looking West
Date: April 1987
Drawn: C.G.
Scale: 1:500
NTS:
Approved:
Fig.:

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT: Unigold Resources Lt.

HOLE NUMBER: UM-5

AREA: Morin Property

LOCATION: L14W, 290N

CLAIM NUMBER: 825766

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -45°

DRILLED BY: Longyear

DATE: Febraury 18 to February 20, 1987

LOGGED BY: B. Barnes

CASING: 3.0 m

CORE STORED AT: Timmins

LENGTH: 142.0 m

OBJECTIVE: Test I.P. Anomaly

ACID TEST: 38° at 142.0 m

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS, ONTARIO
P4N 7G2

# DIAMOND DRILL HOLE LOG UM-5



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| 0 | 3.0 | OVERBURDEN | | | | | | | | | |
| | | | | | | | | | | | |
| 3.0 | 4.5 | MAFIC VOLCANICS | | | | | | | | | |
| | | green grey, massive to weakly foliated, highly calcareous, | | | | | | | | | |
| | | several 1mm wide calcite veins; sharp contact with lower | | | | | | | | | |
| | | unit | 50° | | | | | | | | |
| | | | | | | | | | | | |
| 4.5 | 6.0 | FELDSPAR PROPHYRY | | | | | | | | | |
| | | grey matrix with 30% white altered feldspar phenocrysts; | | | | | | | | | |
| | | possibly sausseritized; ilmenite stain and calcite common, | | | | | | | | | |
| | | esp. near small shear at 4.9 | | | | | | | | | |
| | | | | | | | | | | | |
| 6.0 | 9.0 | MAFIC VOLCANICS | | | | | | | | | |
| | | as from 3.0 to 4.5 | | | | | | | | | |
| | | qtz-ank vein from 6.5 to 6.6 and 7.0 to 7.1 | | | | | | | | | |
| | | lapilli tuff from 7.3 to 7.5 | | | | | | | | | |
| | | feldspar porphyry from 7.5 to 7.7 | 50° | | | | | | | | |
| | | fine mt from 7.7 to 7.8 | | | | | | | | | |
| | | | | | | | | | | | |
| 9.0 | 12.4 | BRECCIATED CHERT | | | | | | | | | |
| | | core is broken | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS, ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-5



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (Meters) | Analytical Result Ag ppm | Analytical Result As ppm | Analytical Result Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | severely fractured, well banded chert and sediment. | | | | | | | | | |
| | | Ankerite carbonate common. Ilmenite stain near fractures. | | | | | | | | | |
| | | Calcite in fractures and fault gouge. Unit is highly | | | | | | | | | |
| | | brecciated surrounding fault gouges from 10.4 to 11.5. | | | | | | | | | |
| | | Narrow (1mm) bands of Py frequent throughout the unit, | | | | | | | | | |
| | | esp at less brecciated sections from 9.4 to 9.7 and 12.0 | | 3% Py | | | | | | | |
| | | to 12.5 - 5% Py speck Cpy | | | | | | | | | |
| | | | | | | | | | | | |
| 12.4 | 17.1. | MAFIC VOLCANICS | | 2-3% | 24751 | 9.0 | 10.2 | 1.2 | 0.9 | 72 | 9 |
| | | as from 3.0 to 4.5 | | | | | | | | | |
| | | non calcareous. Core is broken into 4cm long pieces | | 2-3% | 24752 | 10.2 | 11.4 | 1.2 | 1.4 | 76 | 4 |
| | | 13.6 to 13.75 - felsic dike - fine grey, non calc | | | | | | | | | |
| | | 16.6 - banded chert over 10cm 2% fine diss Py | | 2-3% | 24753 | 11.4 | 12.4 | 1.0 | 1.7 | 148 | 4 |
| | | 17.1 - 2cm chert/qtz at contact | | | | | | | | | |
| | | | | | | | | | | | |
| 17.1 | 27.6 | QUARTZ FELDSPAR PORPHYRY | | | | | | | | | |
| | | light green grey, non calcareous, non magnetic white | | | | | | | | | |
| | | feldspar phenocrysts and white or clear qtz eyes are | | | | | | | | | |
| | | stretched on a 2:1 ratio in a light green serecitic | | | | | | | | | |
| | | matrix. Moderate foliation at 50° to c.a. less than .5% | | | | | | | | | |
| | | cubic Py throughout, spash Cpy at 18.0 | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS, ONTARIO
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DIAMOND DRILL HOLE LOG UM-5



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (Meters) | Analytical Result Ag ppm | Analytical Result As ppm | Analytical Result Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 19.0 to 20.1 - intermixed tuff-sediment contorted qtz | | | | | | | | | |
| | | veining, speck Cpy at 19.5 | | | | | | | | | |
| | | bull white qtz veining at 22.8 (5cm) and at 25.6 (10cm) | | | | | | | | | |
| | | with ankerite | | | | | | | | | |
| | | QFP gets very fine (chill margin) from 26.8 to 27.6 | | | | | | | | | |
| | | | | | | | | | | | |
| 27.6 | 36.8 | SEDIMENTS AND REWORKED TUFF | | | | | | | | | |
| | | grey with black cherty fragments; non calcareous; non | | | | | | | | | |
| | | magnetic altered white garnets(?) replaced by ankerite; minor | | 5% | 24754 | 38.15 | 39.15 | 1.0 | 1.2 | 155 | 2 |
| | | chlorite alteration; sporadic sulphides associated with | | | | | | | | | |
| | | dark cherty bands. Overall susphide content 2-3% pre- | | | | | | | | | |
| | | dominately Po with 10% total sulphide being Cpy | | | | | | | | | |
| | | 38.1 to 39.15 - 4% Py, 1% Cpy | | | | | | | | | |
| | | graded contact with lower unit | | | | | | | | | |
| | | | | | | | | | | | |
| 39.15 | 77.9 | LAPILLI TUFF | | | | | | | | | |
| | | felsic fragments and lapilli mostly 1-2mm size, but up to | | | | | | | | | |
| | | 5-8mm esp near 39.9 in a light grey felsic matrix; non | | | | | | | | | |
| | | magnetic; non calcareous; minor chl-ank alteration | | | | | | | | | |
| | | 40.0 - 10cm inter event chert with sulphides as from | | | | | | | | | |
| | | 38.1 to 39.15 | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-5



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | 40.2 to 40.5 - mafic dike, altered feldspar, both upper a | | | | | | | | | |
| | | and lower contact limonite stained | | | | | | | | | |
| | | 43.5 to 44.6 - felsic dike, very fine grained peppered | | | | | | | | | |
| | | with very small black amphibole and small amount of very | | | | | | | | | |
| | | fine diss sulphide - frequent less than 1mm sized qtz eyes | | | | | | | | | |
| | | 44.6 to 45.0 - lapilli are sulphide altered Py, Po | | | | | | | | | |
| | | 3% sulphides across 0.4m | | 3% | 24755 | 44.6 | 45.3 | 0.7 | 1.3 | 15 | 7 |
| | | 45.0 to 45.2 - cherty with 2% Po | | | | | | | | | |
| | | 46.0 to 46.3 - banded chert 1% Po, 1% Py | | | | | | | | | |
| | | 52.1 to 55.1 - serecite-ank alteration, whispy cherty | | | | | | | | | |
| | | boudinaged bands | | | | | | | | | |
| | | 56.0 to 65.0 - increasing ser-ank alt. often sulphides | | | | | | | | | |
| | | associated with cherty fragments | | | | | | | | | |
| | | 1-2cm semi massive sulphides irregularily every 50cm | | | | | | | | | |
| | | 66.3 to 66.9 - banded chert with 5% Po, 1% Py stringers | | 6% | 24756 | 66.3 | 66.9 | 0.6 | 1.4 | 8 | 23 |
| | | 70.0 to 70.7 and 71.0 to 75.2 - rhyolite, banded and | | | | | | | | | |
| | | massive grey to yellowbuff | | | | | | | | | |
| | | 74.2 - 10cm contorted vein of 40% Po, 10% Py, 10% Sph | 70° | 15% | 24757 | 74.1 | 74.5 | 0.5 | 4.6 | 82 | 85 |
| | | 76.3 and 76.8 - contorted chert and tuff | | | | | | | | | |
| | | increasing ser. alt near 78.0 | | | | | | | | | |
| | | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS, ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-5



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| 77.9 | 81.3 | ALTERED QFP | | | | | | | | | |
| | | intense ser alt makes unit light yellow-grey colour, | | | | | | | | | |
| | | non magnetic, non calcareous; contacts are indistinct, | | | | | | | | | |
| | | feldspars saussaritized | | | | | | | | | |
| | | | | | | | | | | | |
| 81.3 | 82.5 | FINE GRAINED FELSIC TUFF | | | | | | | | | |
| | | massive | | | | | | | | | |
| | | | | | | | | | | | |
| 82.5 | 83.6 | QFP | | | | | | | | | |
| | | as from 77.9 to 81.3; sharp contacts with upper and | | | | | | | | | |
| | | lower units | | | | | | | | | |
| | | | | | | | | | | | |
| 83.6 | 85.2 | FELSIC ASH TUFF | | | | | | | | | |
| | | as from 81.3 to 82.5 | | | | | | | | | |
| | | | | | | | | | | | |
| 85.2 | 94.1 | MAFIC MATRIX TUFF | | | | | | | | | |
| | | felsic lapilli altered to ank in dark green matrix; | | | | | | | | | |
| | | predominately chl, non calcareous | | | | | | | | | |
| | | some lapilli 90% qtz; periodic blebs of Po, Py; | | | | | | | | | |
| | | altered feldspar common | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
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DIAMOND DRILL HOLE LOG UM-5



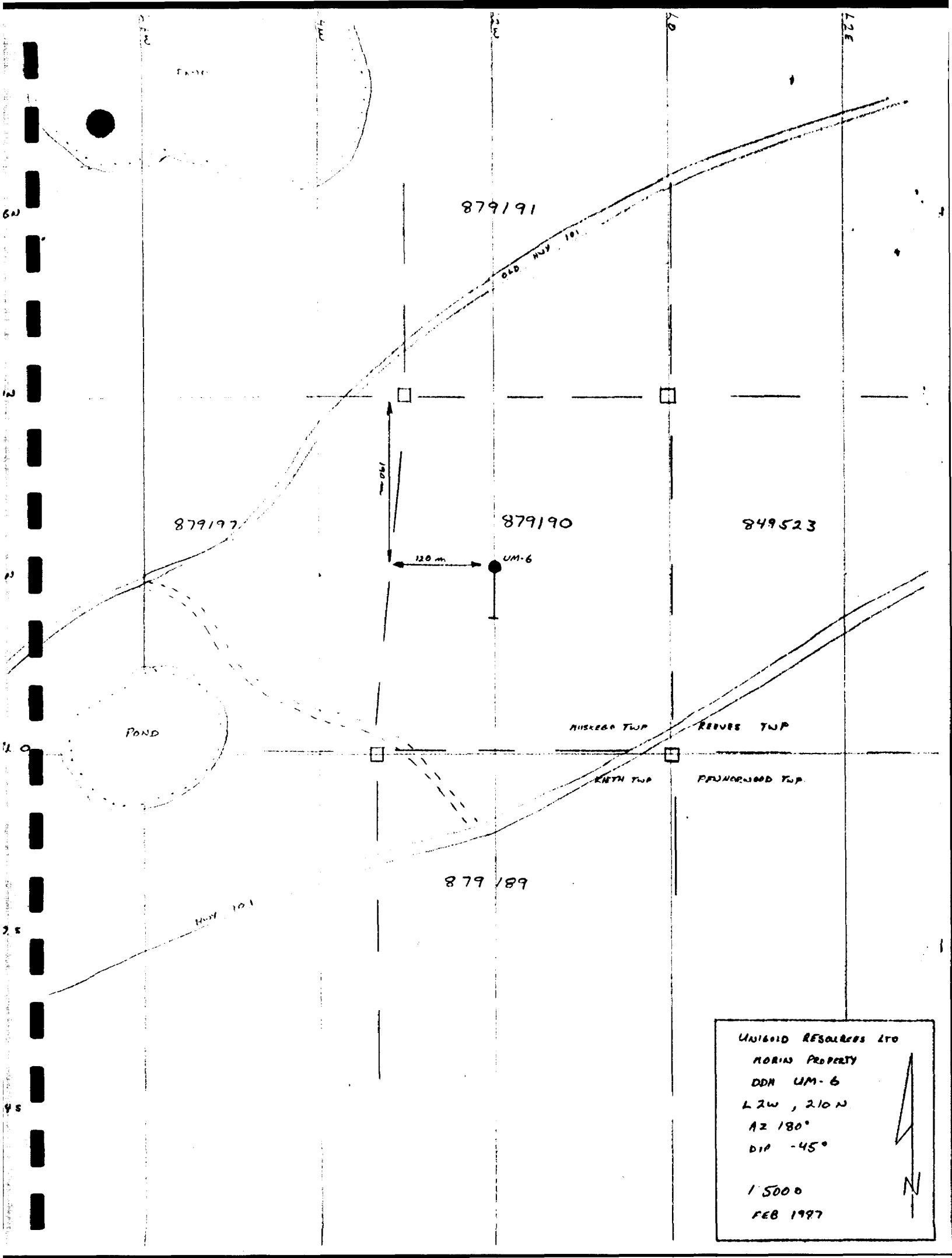
| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (meters) | Ag ppm | As ppm | Au ppb |
| 94.1 | 95.4 | INTERMEDIATE DIKE | | | | | | | | | |
| | | fine grained, salt and pepper appearance; predominately | | | | | | | | | |
| | | ankerite altered feldspar with abundant pinhead sized | | | | | | | | | |
| | | black mafic mineral (amphibole?); contacts sharp with | | | | | | | | | |
| | | upper and lower units paralleling foliation at 75° to c.a. | | | | | | | | | |
| | | | | | | | | | | | |
| 95.4 | 99.9 | FELSIC LAPILLI TUFF | | | | | | | | | |
| | | sericite alt. ryholitic, non calcareous, many fragments | | | 24758 | 97.9 | 98.9 | 1.0 | 1.4 | 675 | 8 |
| | | altered to ank, soft, very high sericite alt; 1% black | | | | | | | | | |
| | | chloritized amphibole throughout fuchsite at 97.9 from | | | 24759 | 98.9 | 99.9 | 1.0 | 1.3 | 900 | 6 |
| | | 98.7 to 99.6, especially at 99.4 - 20% fu over 10cm with | | | | | | | | | |
| | | calcite; 1% S throughout unit - Po, Py, odd speck Cpy | | | 24760 | 99.9 | 100.9 | 1.0 | 0.9 | 35 | 3 |
| | | 99.0 - cherty clasts 2mm X 6mm relatively unaltered | | | | | | | | | |
| | | | | | | | | | | | |
| 99.9 | 116.3 | FELSIC TUFF | | | | | | | | | |
| | | chlorite alteration; ser-ank becoming more chloritic | | | | | | | | | |
| | | with depth; calcite predominant below 105.0; becoming | | | | | | | | | |
| | | highly calcareous - 75% replacement | | | | | | | | | |
| | | fol strong (shistose) at 75° to c.a. | | | | | | | | | |
| | | stretched lapilli uncommon but 90% altered to calcite or | | | | | | | | | |
| | | calcite/quartz | | | | | | | | | |

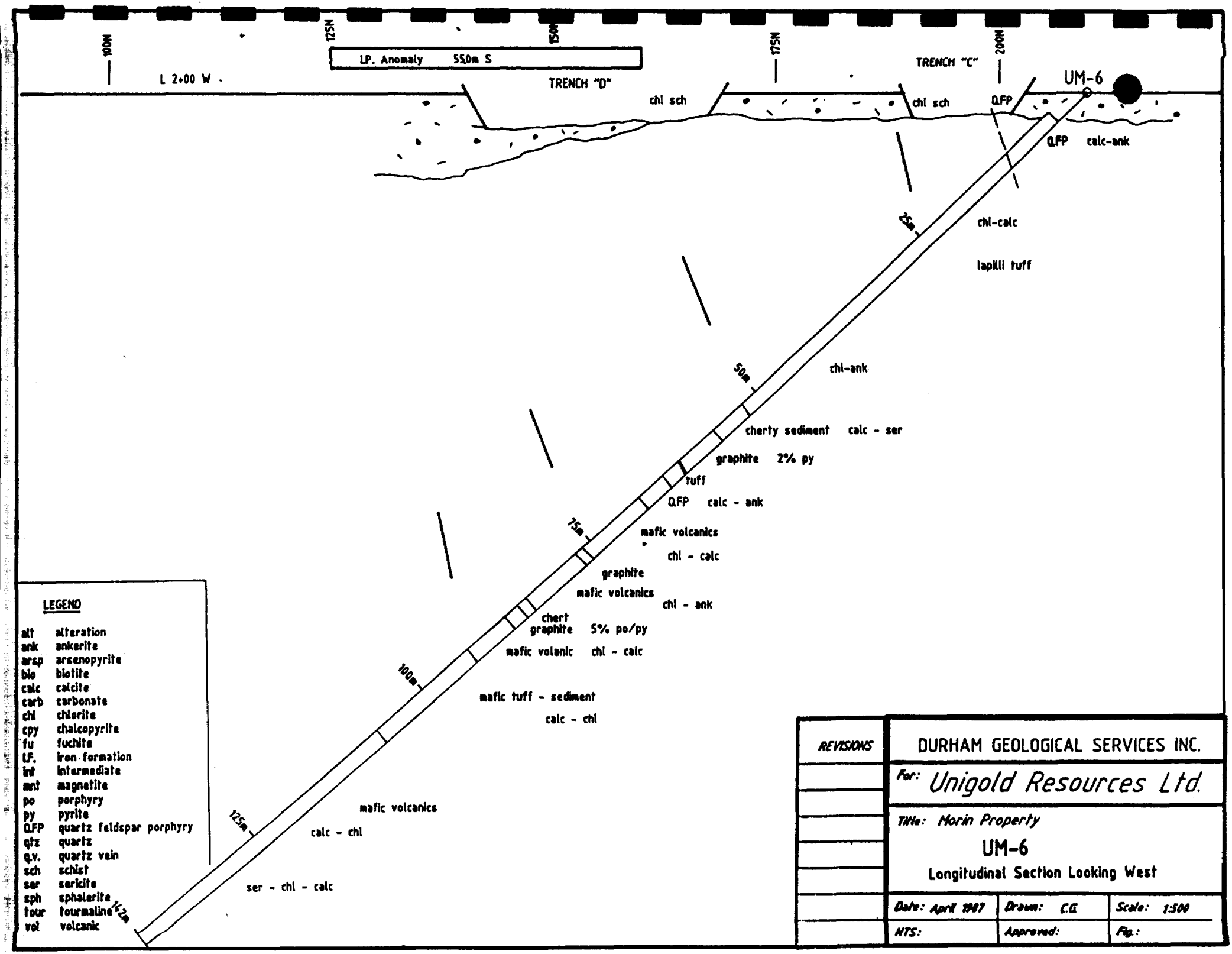
DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-5



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (Meters) | Analytical Result Ag ppm | Analytical Result As ppm | Analytical Result Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 105.6 to 105.8 - ser schist minor fu?; 5% qtz eyes/lapilli | | | | | | | | | |
| | | grades into lower unit | | | | | | | | | |
| | | | | | | | | | | | |
| 116.3 | 130.1 | MAFIC VOLCANICS | | | | | | | | | |
| | | dark green chl-calc alt highly calcareous; predominately a | | | | | | | | | |
| | | massive mafic volcanic with monor lapilli tuffaceous zones; | | | | | | | | | |
| | | minor calcite filled amygdules associated with dark | | | | | | | | | |
| | | shadows - pillow selvages | | 20% | 24761 | 127.15 | 127.65 | 0.5 | 4.8 | 111 | 90 |
| | | 127.4 - 10cm calctie veining with 10% Cpy, 10% Py | | | | | | | | | |
| | | 129.3 to 130.0 - 1% cubic mt | | | | | | | | | |
| | | 129.4 - minor brecciation with ep. replacement | | | | | | | | | |
| | | 130.1 - 5cm bleached zone at contact | | | | | | | | | |
| | | | | | | | | | | | |
| 130.1 | 142.0 | GABBRO | | | | | | | | | |
| | | dark green, highly calcareous; varies from coarse to fine | | | | | | | | | |
| | | grained, moderately magnetic; 1% visible mt crystals | | | | | | | | | |
| | | throughout intermittently altered feldspar porphyritic | | | | | | | | | |
| | | chloritized amphibole common; non-foliated. | | | | | | | | | |
| | | | | | | | | | | | |
| | 142.0 | E.O.H. Bruce Bares | | | | | | | | | |
| | | | | | | | | | | | |


879191
OLD HWY 101
879197
879190
849523
120 m
UM-6
POND
MISSEGA TWP
REEVES TWP
KETTH TWP
PENNEFATHER TWP
879189
HWY 101
UNIGOLD RESOURCES LTD
NORIN PROPERTY
DDH UM-6
L 2W, 210 N
Az 180°
DIP -45°
1:5000
FEB 1997
N


100N
125N
150N
175N
200N
L 2+00 W
I.P. Anomaly 550m S
TRENCH "D"
TRENCH "C"
UM-6
chl sch
chl sch
Q.FP
Q.FP calc-ank
25m
chl-calc
lapilli tuff
50m
chl-ank
cherty sediment calc - ser
graphite 2% py
tuff
Q.FP calc - ank
75m
mafic volcanics
chl - calc
graphite
mafic volcanics
chl - ank
chert
graphite 5% po/py
mafic volanic chl - calc
100m
mafic tuff - sediment
calc - chl
125m
mafic volcanics
calc - chl
ser - chl - calc
LEGEND
alt alteration
ank ankerite
arsp arsenopyrite
bio biotite
calc calcite
carb carbonate
chl chlorite
cpy chalcopyrite
fu fuchite
I.F. iron formation
int intermediate
mnt magnetite
po porphyry
py pyrite
Q.FP quartz feldspar porphyry
qtz quartz
q.v. quartz vein
sch schist
ser sericite
sph sphalerite
tour tourmaline
vol volcanic
REVISIONS
DURHAM GEOLOGICAL SERVICES INC.
For: Unigold Resources Ltd.
Title: Morin Property
UM-6
Longitudinal Section Looking West
Date: April 1987
Drawn: C.G.
Scale: 1:500
NTS:
Approved:
Fig.:

**DURHAM GEOLOGICAL SERVICES INC.**

**DIAMOND DRILL HOLE LOG**

PROJECT: Unigold Resources Lt.

HOLE NUMBER: UM-6

AREA: Morin Property

LOCATION: L2W, 210N

CLAIM NUMBER: 879190

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -45°

DRILLED BY: Longyear

DATE: February 21 to February 23, 1987

LOGGED BY: B. Barnes

CASING: 4.5 m

CORE STORED AT: Timmins

LENGTH: 142.0 m

OBJECTIVE: Test Porphyry Contact and I.P. Anomaly

ACID TEST: 39° at 139.0

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS, ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-6



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| 0 | 4.5 | OVERBURDEN | | | | | | | | | |
| | | | | | | | | | | | |
| 4.5 | 10.4 | QFP | | | | | | | | | |
| | | fresh looking mottled grey colour smeared qtz and feldspar | | | | | | | | | |
| | | phenocrysts pervasive calcite and ankerite alt. minor | | | | | | | | | |
| | | chlorite; sections are limonite stained from surface | | | | | | | | | |
| | | weathering | | | 24762 | 6.9 | 7.9 | 1.0 | 0.7 | 7 | 5 |
| | | 8.3 to 8.4 and 8.6 to 8.7 - qtz, ank and coarse white | | | | | | | | | |
| | | feldspar vein with chl blebs | | | 24763 | 7.9 | 9.0 | 1.1 | 0.9 | 11 | 3 |
| | | 8.2 - trace diss S | | | | | | | | | |
| | | well foliated at 60° to c.a. | 60° | | 24764 | 9.0 | 10.4 | 1.4 | 0.6 | 6 | 3 |
| | | sharp contact with lower unit at 55° to c.a. | | | | | | | | | |
| | | | | | | | | | | | |
| 10.4 | 53.3 | LAPILLI TUFF | | | | | | | | | |
| | | light grey stretched lapilli up to 3cm length supported by | | | | | | | | | |
| | | a light green chlorite-calcite matrix; entire unit is | | | | | | | | | |
| | | calcareous including fragments and matrix; varying | | | | | | | | | |
| | | amounts of ankerite prevalent as well | | | | | | | | | |
| | | leucoxene is common throughout in varying amounts | | | | | | | | | |
| | | 14.2 and 20.7 - vugy ankerite near 2cm q.v. | | | | | | | | | |
| | | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
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DIAMOND DRILL HOLE LOG UM-6



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (Meters) | Analytical Result Ag ppm | Analytical Result As ppm | Analytical Result Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 21.5 - 7cm qtz-ank vein and alt halo | | | | | | | | | |
| | | 23.1 and 24.5 - vesicules are calcite filled | | | | | | | | | |
| | | 25.9 - ser alt | | | | | | | | | |
| | | 24.2 to 24.5 - intermittent fine black amphibole odd | | | | | | | | | |
| | | Rusty cubic Py | | | | | | | | | |
| | | 33.9 - 4cm calc vein | | | | | | | | | |
| | | 33.9 to 41.5 - high concentrations (3-4%) of yellow-brown | | | | | | | | | |
| | | fine bladed alt mineral (leucoxene) | | | | | | | | | |
| | | 41.5 to 42.2 - large well defined rhyolitic fragmental with | | | | | | | | | |
| | | common 1mm sized glassy qtz eyes | | | 24765 | 46.1 | 47.6 | 1.5 | 1.0 | 14 | 5 |
| | | 46.1 to 47.6 - strong ank alt, no calcite, very porous, vugy, | | | | | | | | | |
| | | brecciated pyroclastic, 2-3% leucoxene | | | | | | | | | |
| | | 46.3 and 47.1 - fault gouge | | | | | | | | | |
| | | 47.1, 50.9, 52.7 - minor rusty Py; contacts abrupt | | | | | | | | | |
| | | | | | | | | | | | |
| 53.3 | 56.35 | CHERTY SEDIMENT | | | | | | | | | |
| | | weakly serecitized, calcareous, mottled light green-grey | | | | | | | | | |
| | | colour weak brecciated appearance | | | | | | | | | |
| | | 1% fine black amphibole | | | | | | | | | |
| | | minor fine leucoxene | | | | | | | | | |
| | | 54.8 - 10cm strong ser. replacement | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
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P4N 7G2

DIAMOND DRILL HOLE LOG UM-6



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (Meters) | Analytical Result Ag ppm | Analytical Result As ppm | Analytical Result Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 56.35 | 59.45 | GRAPHITIC ARGILLITE | | | | | | | | | |
| | | well bedded black graphitic horizons, non calcareous | | | 24766 | 56.35 | 57.35 | 1.0 | 1.3 | 27 | 2 |
| | | (but common calcite beds) in siltstone (volcanic derived?) | | | | | | | | | |
| | | that is highly calcareous | | | 24767 | 57.35 | 58.35 | 1.0 | 1.5 | 81 | 4 |
| | | 2% thinly bedded and diss Py throughout q.f. beds | | | | | | | | | |
| | | bedding/fol 70° to c.a. | 70° | | 24768 | 58.35 | 59.45 | 1.1 | 1.7 | 75 | 8 |
| | | | | | | | | | | | |
| 59.45 | 64.0 | ASH TUFF | | | | | | | | | |
| | | green-grey, calcareous, freqent whisps of q.f. (reworked | | | | | | | | | |
| | | tuff?) | | | | | | | | | |
| | | less than 1% fine diss Py | | | | | | | | | |
| | | 60.7 - 10cm of matrix supported lapilli | | | | | | | | | |
| | | chl-ank-calc alt | | | | | | | | | |
| | | | | | | | | | | | |
| 64.0 | 67.6 | QFP | | | | | | | | | |
| | | as from 4.5 to 10.4 | | | | | | | | | |
| | | medium grained qtz and feldspar crystals in an earthy | | | | | | | | | |
| | | grey-brown ank rich matrix | | | | | | | | | |
| | | calc-ank alt prevalent | | | | | | | | | |
| | | weak foliation | | | | | | | | | |
| | | contacts indistinct | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-6



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| 67.6 | 76.0 | MAFIC VOLCANICS | | | | | | | | | |
| | | moderately foliated earthy grey aphanitic to fine grained, | | | | | | | | | |
| | | highly calcareous, ankerite-calc alt prevalent, weak | | | | | | | | | |
| | | ser-chl alt, periodic whisps/beds of black chl | | | | | | | | | |
| | | often appears feldspar porphyritic | | | | | | | | | |
| | | | | | | | | | | | |
| 76.0 | 76.3 | GRAPHITIC ARGILLITE | | | | | | | | | |
| | | 5% diss Py and Po | | | | | | | | | |
| | | well bedded/fol at 70° to c.a. | 70° | 5% | 24769 | 76.0 | 76.3 | 0.3 | 1.5 | 139 | 52 |
| | | | | | | | | | | | |
| 76.3 | 84.5 | MAFIC VOLCANICS | | | | | | | | | |
| | | as from 67.6 to 76.0 | | | | | | | | | |
| | | infrequent calcite filled amygdules | | | | | | | | | |
| | | | | | | | | | | | |
| 84.5 | 86.1 | CHERTY SEDIMENT | | | | | | | | | |
| | | highly calcareous | | | | | | | | | |
| | | chloritized amphiboles and fine leucoxene common | | | | | | | | | |
| | | 85.4-86.1 - reworked tuff? chl alt | | | | | | | | | |
| | | 5% fine Po minor g.f. | | 5% | 24770 | 85.4 | 86.1 | 0.7 | 2.0 | 6 | 3 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS, ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-6



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| 86.1 | 87.4 | GRAPHITE | | | | | | | | | |
| | | black, many calcite interbeds; magnetic Po modules, fine | | | | | | | | | |
| | | diss Py; total sulphides 5-7% | | 7% | 24771 | 86.1 | 87.4 | 1.3 | 1.4 | 146 | 16 |
| | | bed/fol 60° to c.a. | 60° | | | | | | | | |
| | | | | | | | | | | | |
| 87.4 | 93.7 | MAFIC VOLCANICS | | | | | | | | | |
| | | massive, calcite and chl alt; calcite filled amygdules; | | | | | | | | | |
| | | infrequent dark chl and calc pillow selvages; periodic fine | | | | | | | | | |
| | | leucoxene, 2cm g.f. at 93.7 | | | | | | | | | |
| | | | | | | | | | | | |
| 93.7 | 106.8 | MAFIC TUFF - SEDIMENT | | | | | | | | | |
| | | grey-green, highly calcareous, chl alt, massive, | | | | | | | | | |
| | | aphanitic, weak fol. 70° to c.a. | 70° | | | | | | | | |
| | | 99.6 to 100.6 - tuff with qtz eyes, calcite | | | | | | | | | |
| | | | | | | | | | | | |
| 106.8 | 142.0 | MAFIC VOLCANICS | | | | | | | | | |
| | | as from 87.4 to 93.7; highly calcareous; felsic fragments | | | | | | | | | |
| | | from 117.2 to 117.5, 118.7 to 118.8, 130.5 to 132.5 | | | | | | | | | |
| | | serecite alt apparent below 120.5; unit may be altered | | | | | | | | | |
| | | intermediate to felsic volcanic | | | | | | | | | |
| | | 127.4 - 3cm smokey qtz vein | | | | | | | | | |

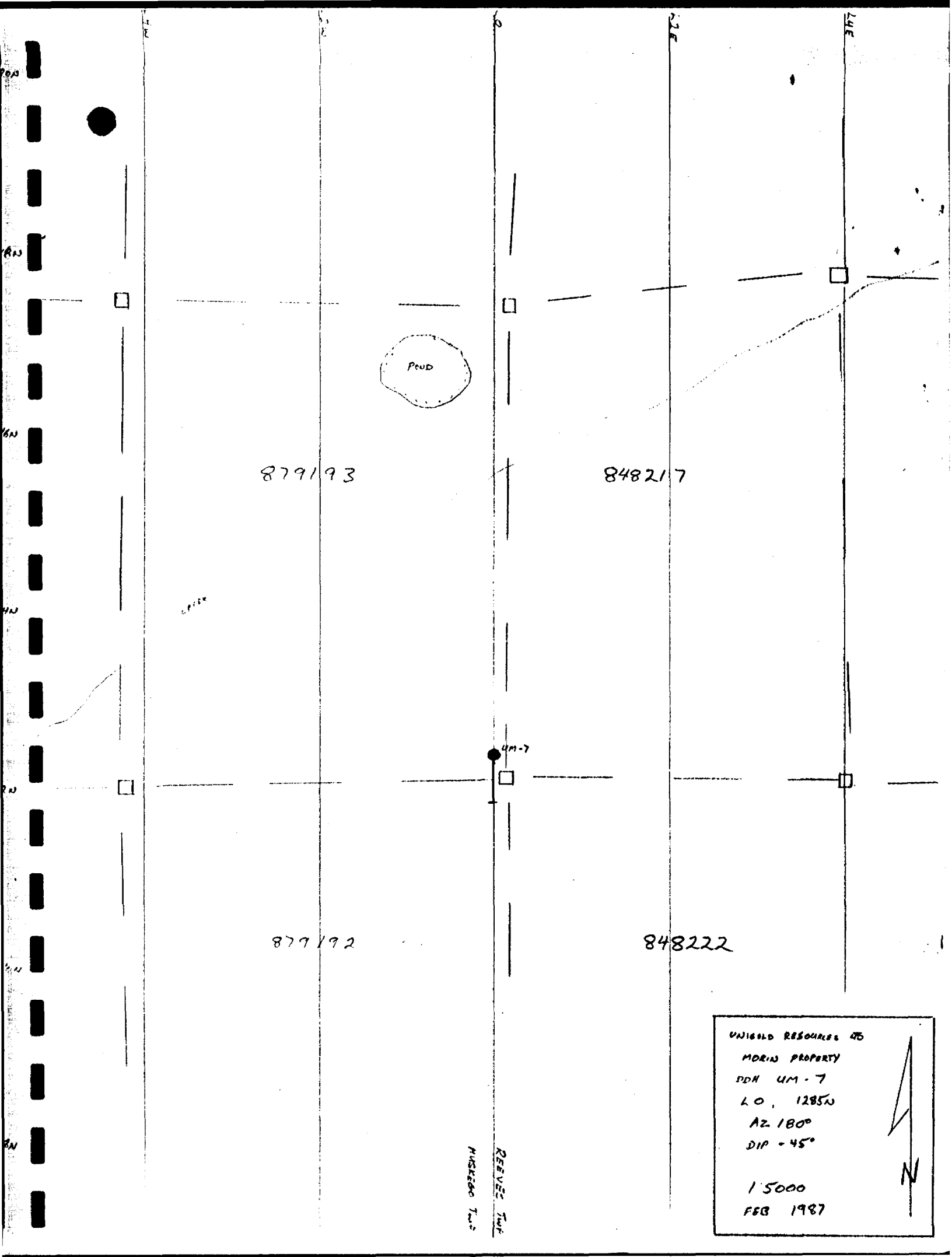
DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

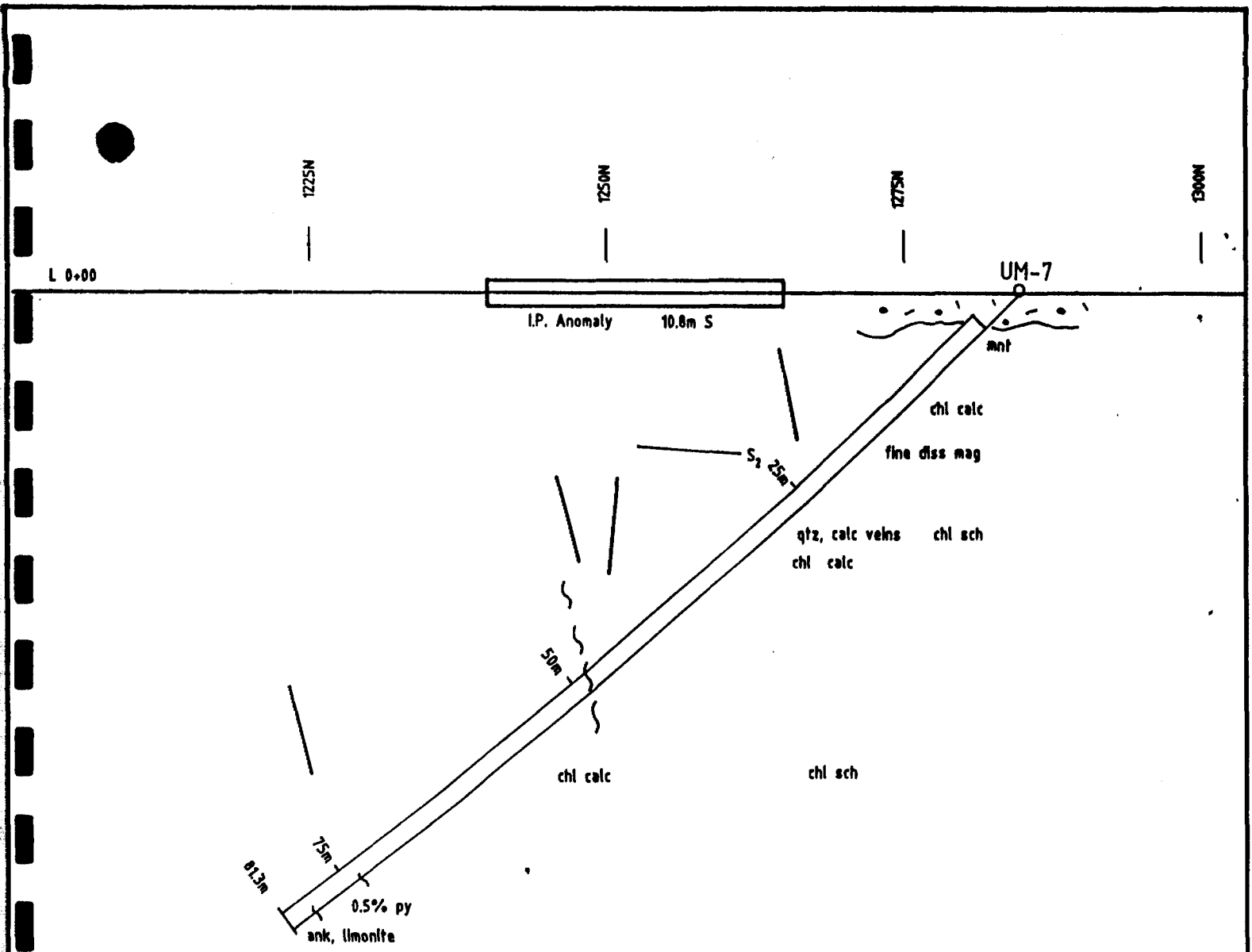
DIAMOND DRILL HOLE LOG

UM-6



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (feet) | | | |
| | | 129.8 - 2cm smokey qtz with ank halo | | | | | | | | | |
| | | | | | | | | | | | |
| | 142.0 | E.O.H. | | | | | | | | | |
| | | Bruce Barnes | | | | | | | | | |


POND
879193
848217
UM-7
879192
848222
REEVES TWP
HUSKEGO TWP
UNIGOLD RESOURCES LTD
MORIN PROPERTY
DDH UM-7
LO, 1285N
AZ 180°
DIP -45°
1:5000
FEB 1987




**LEGEND**

| | |
|---|---|
| alt | alteration |
| ank | ankerite |
| arsp | arsenopyrite |
| bio | biotite |
| calc | calcite |
| carb | carbonate |
| chl | chlorite |
| cpy | chalcopyrite |
| fu | fuchite |
| I.F. | iron formation |
| int | intermediate |
| mnt | magnetite |
| po | porphyry |
| py | pyrite |
| Q.F.P. | quartz feldspar porphyry |
| qtz | quartz |
| q.v. | quartz vein |
| sch | schist |
| ser | sericite |
| sph | sphalerite |
| tour | tourmaline |
| vol | volcanic |

| REVISIONS | DURHAM GEOLOGICAL SERVICES INC. | | |
|---|---|---|---|
| | For: Unigold Resources Ltd. | | |
| | Title: Morin Property<br>UM-7<br>Longitudinal Section Looking West | | |
| | Date: April 1987 | Drawn: C.G. | Scale: 1:500 |
| | NTS: | Approved: | Fig.: |

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

| | |
|---|---|
| PROJECT: Unigold Resources Ltd. | HOLE NUMBER: UM-7 |
| AREA: Morin Property | LOCATION: LO, 1285N |
| CLAIM NUMBER: 879193 | AZIMUTH: 180° |
| CORE SIZE: BQ | DIP: -45° |
| DRILLED BY: Longyear | DATE: February 23 to February 25, 1987 |
| LOGGED BY: B. Barnes | CASING: 4.0 m |
| CORE STORED AT: Timmins | LENGTH: 81.3 m |
| OBJECTIVE: Test I.P. Anomaly on LO, 1240N | ACID TEST: 37° at 75 m |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-7



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| 0 | 4.0 | OVERBURDEN | | | | | | | | | |
| | | | | | | | | | | | |
| 4.0 | 81.3 | CHLORITE SCHISTS | | | | | | | | | |
| | | medium green, well foliated (schistose), chl calc, alt | | | | | | | | | |
| | | pervalent with dolmitic (ank) carbonate intermitently - | | | 24772 | 5.3 | 6.4 | 1.1 | 1.2 | 3 | 3 |
| | | often mottled or banded with carb, qtz or altered feldspar | | | | | | | | | |
| | | slightly magnetic, fine diss. mt up to 2-3%, especially | | | | | | | | | |
| | | 18.0 to 20,0, 22.0 to 24.0; several white-clear qtz ank | | | | | | | | | |
| | | veins | | | | | | | | | |
| | | 4.25 - 5.15 - 4cm qtz ank tourmaline | | | | | | | | | |
| | | 5.3 to 6.4 - qtz ank vein with minor mt and speck cpy | 45° | | 24773 | 15.2 | 15.7 | 0.5 | 1.1 | 3 | 2 |
| | | 10.8, 12.9, 15.4-15.6 - quartz ank | | | | | | | | | |
| | | 12.3 - fol 45° to c.a. | | | | | | | | | |
| | | 16.9 - fol 50° to c.a. | | | | | | | | | |
| | | 23.0 - fol 60° to c.a. | | | | | | | | | |
| | | 20.0 to 25.0 - intermitent ser alt and diss mt may be | 60° | | | | | | | | |
| | | tuffaceous horizon | | | | | | | | | |
| | | 28.3 to 29.4 - 50% contorted quartz-calc veins in black- | | | 24774 | 28.3 | 29.4 | 1.1 | 1.0 | 20 | .3 |
| | | green chl matrix - few specks py, cpy at 28.65 | | | | | | | | | |
| | | 29.5 to 32.0 - fine crosscutting calcite veins that | | | | | | | | | |
| | | parallel the $S_2$ cleavage at 70° -80° to axis of $S_1$ fol. | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC
Box 734
TIMMINS, ONTARIO
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DIAMOND DRILL HOLE LOG UM-7



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | 34.3 - fol 60° to c.a. | 60° | | | | | | | | |
| | | 29.5 to 60.0 - calcareous banding and pervasive carbonate | | | | | | | | | |
| | | 40.0 to 44.5 - tuff | | | | | | | | | |
| | | 44.5 - 10cm white qtz-calc fol. 60° to c.a. | | | | | | | | | |
| | | 50.0 - 2cm fault gouge | | | | | | | | | |
| | | 50.0 to 51.5, 58.5 to 60.5 - amygdaloidal | | | | | | | | | |
| | | 56.0 - fol 65° to c.a. | 65° | | | | | | | | |
| | | 60.0 to 81.3 - calcite depleted but commonly sections and | | | | | | | | | |
| | | bands are calcareous, unit shows common remnant lapilli | | | | | | | | | |
| | | 64.0 to 64.2 - chl ser alt | | | 24775 | 64.1 | 64.5 | 0.4 | 1.4 | 21 | 4 |
| | | 64.3 - 15cm white q.v. | | | | | | | | | |
| | | 72.5 - streaks of py and py replaced lapilli | | | | | | | | | |
| | | 74.0 to 81.3 - diss py less than .5% | | | | | | | | | |
| | | 78.3 to 78.4 - borwn ank and calcite | | | | | | | | | |
| | | 80.5 to 81.3 - ankerite weathering (limonite) becoming | | | | | | | | | |
| | | more prevalent with depth as well as increasing amounts | | | | | | | | | |
| | | of fine cubic py (less than 1%); this weathering is | | | | | | | | | |
| | | from surface water reaching these depths probably via a | | | | | | | | | |
| | | fault below 81.3; the drill became stuck and the hole | | 1% | 24776 | 73.5 | 75.0 | 1.5 | 1.6 | 20 | 3 |
| | | was abandoned when the bit was broken off due to a | | | | | | | | | |
| | | faulty reaming shell | | 1% | 24777 | 75.0 | 76.5 | 1.5 | 1.3 | 15 | 1 |

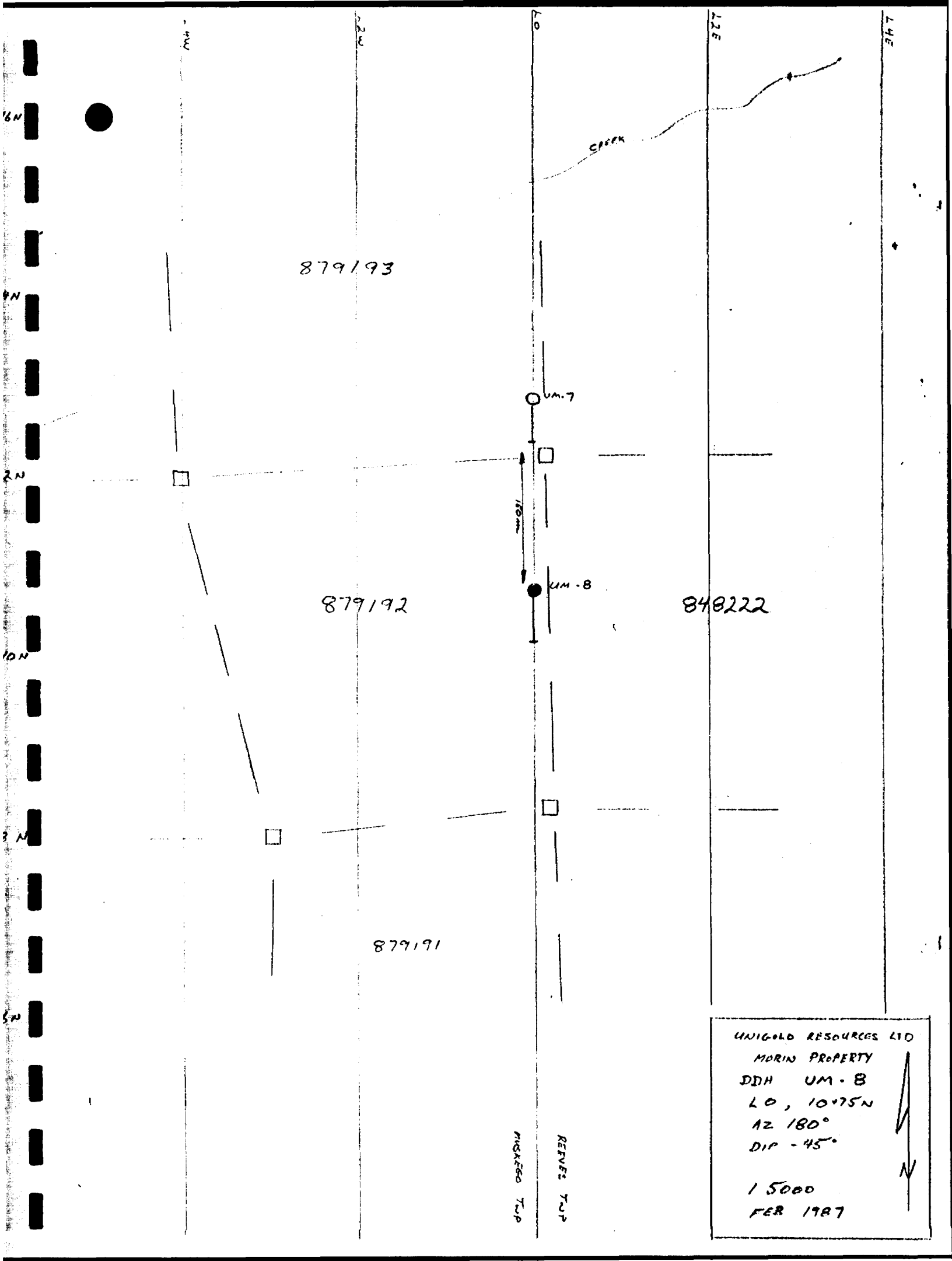
DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

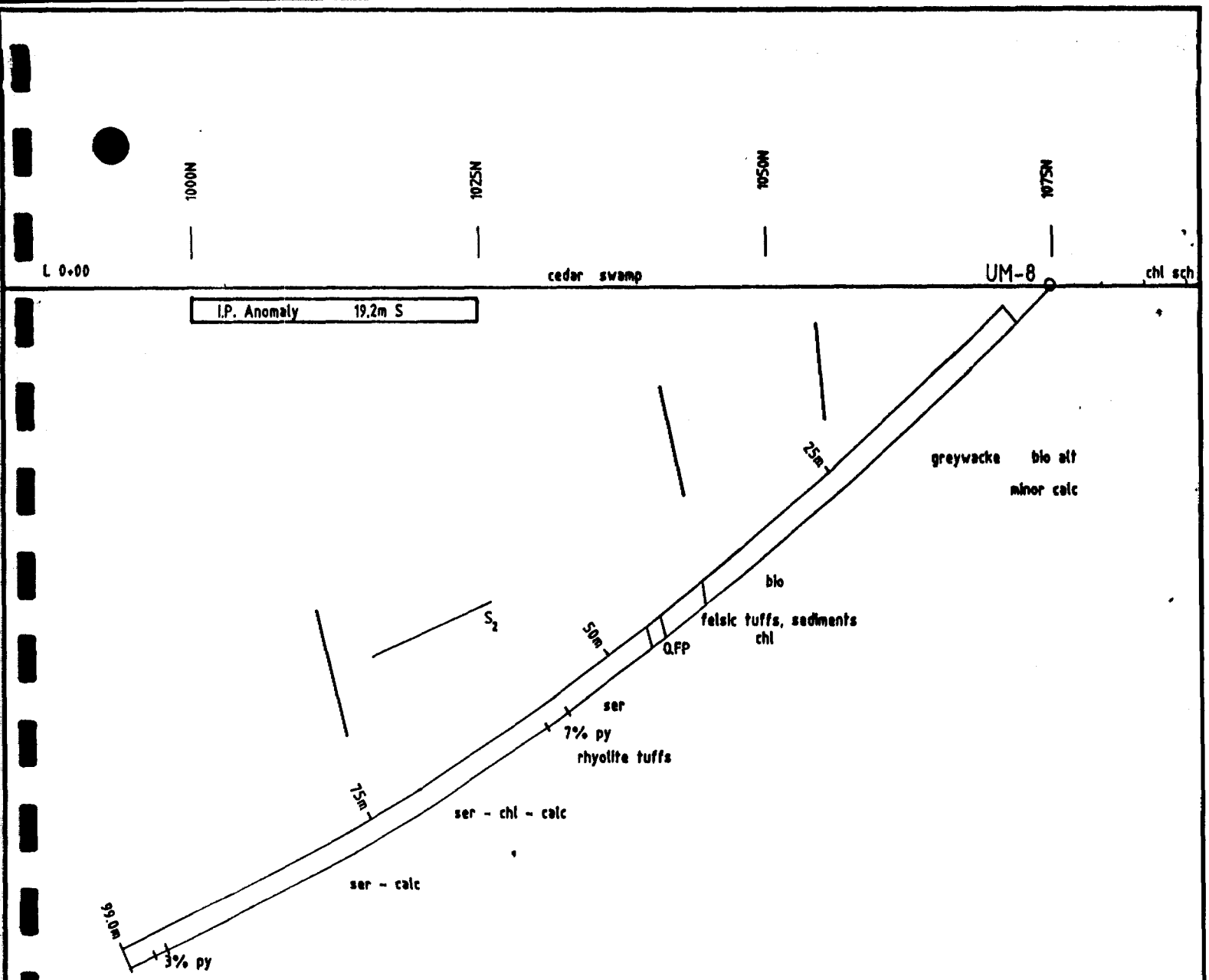
DIAMOND DRILL HOLE LOG UM-7



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | 81.3 | E.O.H. | | 1% | 24778 | 76.5 | 78.0 | 1.5 | 1.5 | 18 | 4 |
| | | | | 1% | 24779 | 78.0 | 79.0 | 1.0 | 1.5 | 18 | 2 |
| | | | | 1% | 24780 | 79.0 | 80.5 | 1.5 | 1.7 | 7 | 2 |
| | | | | 1% | 14781 | 80.5 | 81.3 | 0.8 | 1.4 | 7 | 4 |

Bruce Barnes


6N
4N
2N
0
2W
LO
2E
4E
CREEK
879193
UM-7
180m
UM-8
879192
848222
879191
MUSKEG TWP
REEVES TWP
UNIGOLD RESOURCES LTD
MORIN PROPERTY
DDH UM-8
LO, 10+75N
AZ 180°
DIP -45°
1:5000
FEB 1987




**LEGEND**

- alt alteration
- ank ankerite
- asp arsenopyrite
- bio biotite
- calc calcite
- carb carbonate
- chl chlorite
- cpy chalcopyrite
- fuch fuchite
- I.F. iron formation
- int intermediate
- mgt magnetite
- porph porphyry
- py pyrite
- QFP quartz feldspar porphyry
- qtz quartz
- qtz v. quartz vein
- sch schist
- ser sericite
- sph sphalerite
- tour tourmaline
- volc volcanic

| REVISIONS | DURHAM GEOLOGICAL SERVICES INC. | | |
|---|---|---|---|
| | For: Unigold Resources Ltd. | | |
| | Title: Morin Property<br>UM-8<br>Longitudinal Section Looking West | | |
| | Date: April 1987 | Drawn: C.G. | Scale: 1:500 |
| | NTS: | Approved: | Fig.: |

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT: Unigold Resources Ltd.

HOLE NUMBER: UM-8

AREA: Morin Property

LOCATION: L0, 1075N

CLAIM NUMBER: 879192

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -45°

DRILLED BY: Longyear

DATE: February 25 to February 26, 1987

LOGGED BY: B. Barnes

CASING: 4.0 m

CORE STORED AT: Timmins

LENGTH: 99.4 m

OBJECTIVE: Test I.P. Anomaly at L0

ACID TEST: 28° at 99.0

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-8



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Au ppb | Ag ppm | Cu ppm |
| 0 | 3.8 | OVERBURDEN | | | | | | | | | |
| | | | | | | | | | | | |
| 3.8 | 40.9 | GREYWACKE | | | | | | | | | |
| | | mottled grey to grey-brown and grey-green colour, non | | | | | | | | | |
| | | calcareous, non magnetic. Alteration is biotite, minor | | | | | | | | | |
| | | calcite. Fine round qtz grains visible in an aphanitic | | | | | | | | | |
| | | qtz or qtz-bio matrix | | | | | | | | | |
| | | 7.0 fol. 55° to c.a. | 55° | | | | | | | | |
| | | 3cm-5cm qtz-calc beds common every 2m-3m; frequently | | | | | | | | | |
| | | minor thinly bedded sulfides (.5%); frequent sections are | | | | | | | | | |
| | | carbonate pervasive due to calcite beds; chert/calc beds | | | | | | | | | |
| | | up to 10cm wide often with 2% po/py | | | | | | | | | |
| | | 30.0 fol 65° to c.a. | 65° | | | | | | | | |
| | | 38.5 fol 55° to c.a. | | | | | | | | | |
| | | unit is argillaceous from 39.0 to 40.0 | | | | | | | | | |
| | | 40.0 to 40.9 - smokey and milky q.v. streaks of py/po | | 1% | 24782 | 40.0 | 40.9 | 0.9 | 1.0 | 3 | 7 |
| | | near contact (1% S) | | | | | | | | | |
| | | | | | | | | | | | |
| 40.9 | 45.1 | FELSIC TUFFS AND FLOWS and sediments | | | | | | | | | |
| | | mixed media transition emit from upper biotite alt to | | | | | | | | | |
| | | lower chl alt | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-8



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | pervasive carb throughout except for massive grey chert | | | | | | | | | |
| | | horizons in center of unit | | | | | | | | | |
| | | | | | | | | | | | |
| 45.1 | 46.0 | Q.F.P. | | | | | | | | | |
| | | altered, well foliated, light green colour, non calcareous | 60° | | | | | | | | |
| | | upper contact appears graded, lower contact crosscuts fol | | | | | | | | | |
| | | at 45° | | | | | | | | | |
| | | | | | | | | | | | |
| 46.0 | 99.4 | RHYOLITE ASH / LAPILLI TUFF | | | | | | | | | |
| | | light grey green, highly calcareous throughout, sericite | | 1% | 24783 | 53.6 | 55.1 | 1.5 | 2.6 | 2 | 21 |
| | | alt prevalent, minor chl; common black glassy modules | | | | | | | | | |
| | | (lapilli?) now altered to calcite; | | 1% | 24784 | 55.1 | 56.6 | 1.5 | 1.4 | 19 | 5 |
| | | moderate fol at 65 °to c.a. | 65° | | | | | | | | |
| | | 50.0 to 50.9 - rusty carbonate | | 7% | 24785 | 56.6 | 57.7 | 1.0 | 6.4 | 2 | 8 |
| | | 52.0 to 67.0 - less than 1% thinly bedded and finely | | | | | | | | | |
| | | diss py, minor cpy, trace sph; often 10% sulphides over | | 1% | 24786 | 57.6 | 59.1 | 1.5 | 2.8 | 7 | 4 |
| | | 3-4cm | | | | | | | | | |
| | | 56.7 to 57.1 - 7% py | | 1% | 24787 | 59.1 | 60.6 | 1.5 | 5.6 | 8 | .159 |
| | | chl alt becoming more prevalent with depth below 64.0 | | | | | | | | | |
| | | 67.0 - fol 75° to c.a. | 75° | | | | | | | | |
| | | | | | | | | | | | |

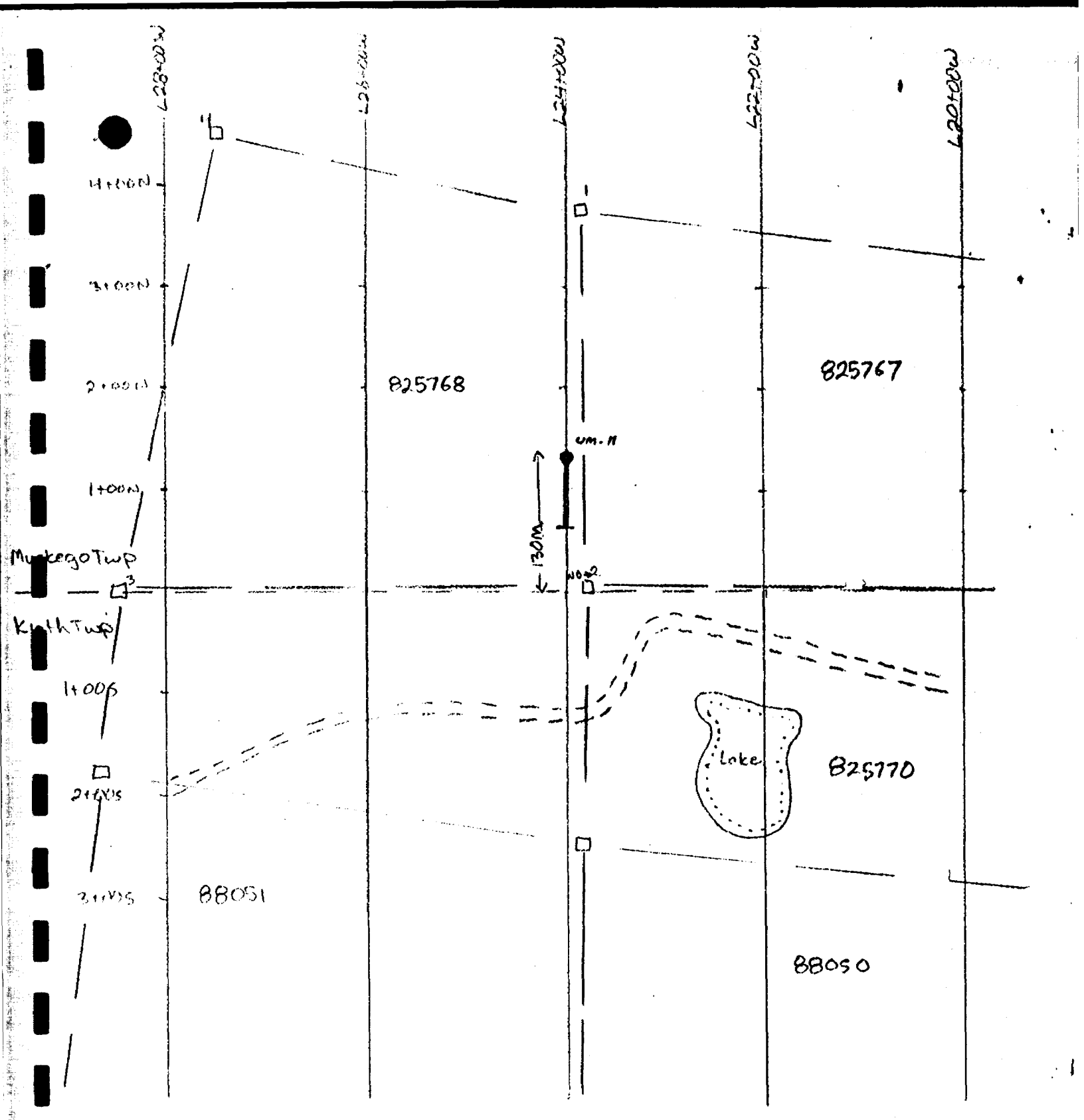
DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS, ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-8



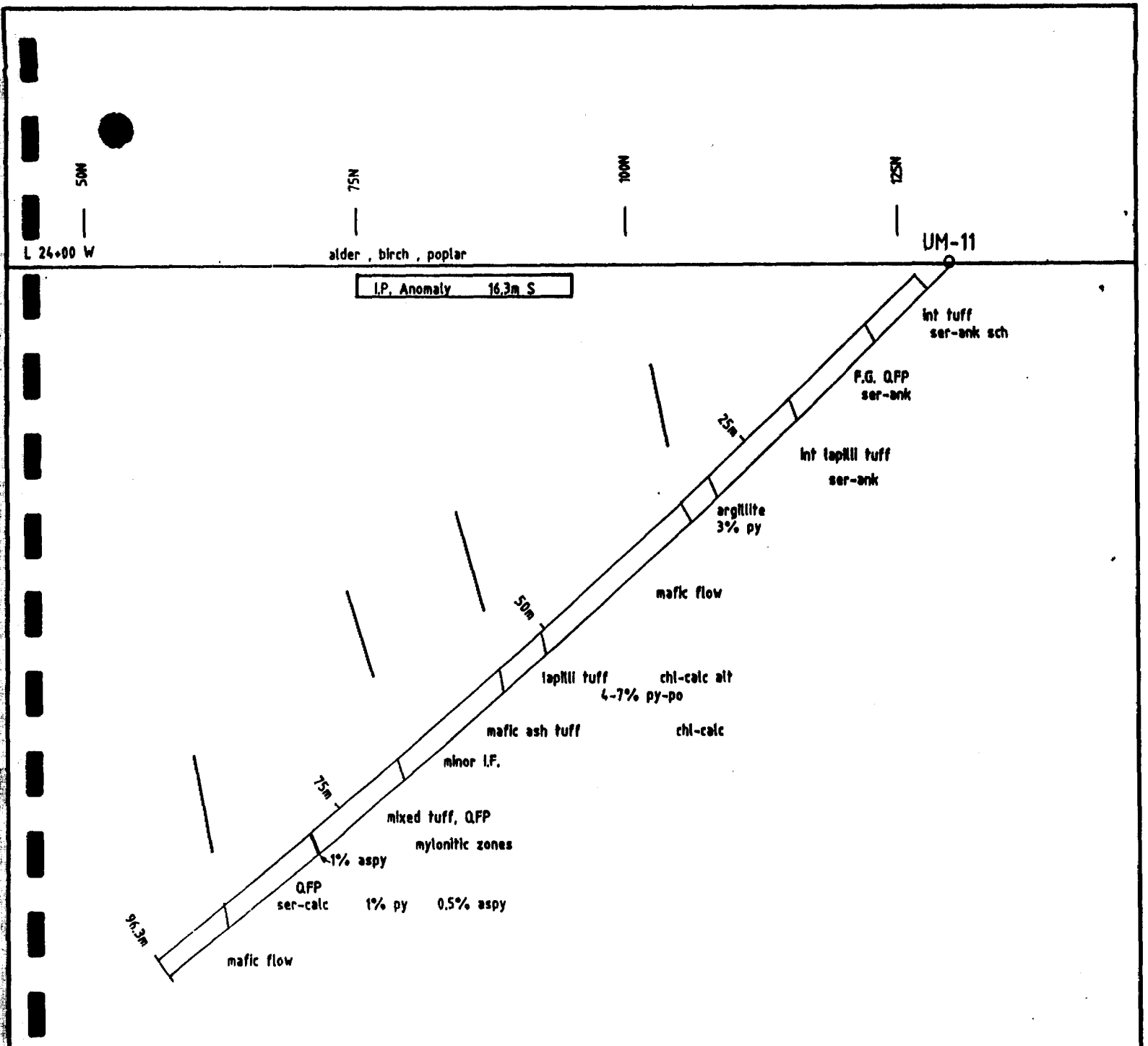
| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | 68.9 to 70.0 - $S_2$ fol very apparent when calcite fractures | | | | | | | | | |
| | | crosscut $S_1$ fol at 80° | | | | | | | | | |
| | | 70.0 and 70.2 and 71.8 - limonite weathering stain | | | | | | | | | |
| | | $S_1$ fol becomes schistose below 70.0 | | | | | | | | | |
| | | | | | | | | | | | |
| | | chl alt diminishes below 76.0 - still highly calcareous | | | | | | | | | |
| | | 78.0 to 86.0 - strong ser alt | | | | | | | | | |
| | | 86.0 to 91.5 - chl calc alt | | | | | | | | | |
| | | 91.5 to 97.0 - strong ser alt | | | | | | | | | |
| | | 97 to 99.4 - ser chl calc alt | | | | | | | | | |
| | | 97.8 to 98.8 - 3% fine banded py | | 3% | 24788 | 97.8 | 98.8 | 1.0 | 5.4 | 2 | 47 |
| | | 93.0 - fol 70° to c.a. | 70° | | | | | | | | |
| | | $S_2$ fol apparent 96.0 to 97.8 | | | | | | | | | |
| | | | | | | | | | | | |
| | 99.4 | E.O.H. | | | | | | | | | |

Bruce Barnes




UNIGOLD RESOURCES LTD.
MORIN PROPERTY

Hole UM-11
L24+00 1+30N
Az 180° Dip -45°
March 5, 1987
claim B25768




**LEGEND**

- alt alteration
- ank ankerite
- asp arsenopyrite
- bio biotite
- calc calcite
- carb carbonate
- chl chlorite
- cpy chalcopyrite
- fuch fuchite
- IF iron formation
- int intermediate
- mgt magnetite
- porph porphyry
- py pyrite
- QFP quartz feldspar porphyry
- qtz quartz
- qtz v. quartz vein
- sch schist
- ser sericite
- sph sphalerite
- tour tourmaline
- volc volcanic

| REVISIONS | DURHAM GEOLOGICAL SERVICES INC. | | |
|---|---|---|---|
| | For: Unigold Resources Ltd. | | |
| | Title: Morin Property<br>UM-11<br>Longitudinal Section Looking West | | |
| | Date: April 1987 | Drawn: C.G. | Scale: 1:500 |
| | NTS: | Approved: | Fig.: |

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

PROJECT: Unigold Resources Ltd.

HOLE NUMBER: UM-11

AREA: Morin Property

LOCATION: L24W, 130N

CLAIM NUMBER:

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -45°

DRILLED BY: Longyear

DATE: March 3 to March 4, 1987

LOGGED BY: B. Barnes

CASING: 3.0

CORE STORED AT: Timmins

LENGTH: 96.3

OBJECTIVE: Test QFP on strike in UM-2

ACID TEST: 38° at 96.0

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

# DIAMOND DRILL HOLE LOG UM-11



| Footage From | Footage To | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE Number | SAMPLE From | SAMPLE To | SAMPLE Length (feet) | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 4.0 | OVERBURDEN | | | | | | | | | |
| | | | | | | | | | | | |
| 4.0 | 10.2 | INTERMEDIATE TUFF | | | | | | | | | |
| | | light grey-green, non calcareous, non magnetic; 20% is | | | | | | | | | |
| | | weathered brown ilmenite colour and is calcareous, esp. | | | | | | | | | |
| | | from 4.0 to 6.0; strong ser-ank alt in unit and fol is | | | | | | | | | |
| | | strong (schistose) at 60° to c.a. | 60° | | | | | | | | |
| | | 4.0 - 10 cm qtz-ank vein; 2mm sized lapilli throughout | | | | | | | | | |
| | | | | | | | | | | | |
| 10.2 | 20.1 | QFP - FINE GRAINED | | | | | | | | | |
| | | massive, peppered grey colour, non calc, ser-ank alt, | | | | | | | | | |
| | | fine grained; | | | | | | | | | |
| | | strong fol 65° to c.a. | 65° | | | | | | | | |
| | | 19.7 to 20.0 - rusty limonite stain and minor calcite | | | | | | | | | |
| | | | | | | | | | | | |
| 20.1 | 31.3 | INTERMEDIATE LAPILLI AND ASH TUFF | | | | | | | | | |
| | | light yellow-green and grey colour; strong ank-ser alt | | | | | | | | | |
| | | well fol at 55°to c.a. | 55° | | | | | | | | |
| | | intermittent 1 cm chert-ank bands | | | | | | | | | |
| | | intermittent 1cm limonite stained zones along | | | | | | | | | |
| | | parallelling fractures | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-11



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| | | 20.4 to 20.7 - qtz-ank vein; highly weathered, 1% py | | | | | | | | | |
| | | 20.9 - 1cm bed cubic py | | | | | | | | | |
| | | 21.0 - 3cm chert | | | | | | | | | |
| | | 21.8 to 22.3 - siliceous ser-ank zone with 10cm smokey | | | | | | | | | |
| | | q.v. at 22.3 | | | | | | | | | |
| | | 22.3 to 31.3 - pervasive calcite | | | | | | | | | |
| | | 25.6 to 25.7 - contorted 2cm smokey q.v.; 1% Cpy 2% Py | | | | | | | | | |
| | | 26.0 - calcareous fault gouge at 30° to c.a. | 30° | 10% | 1984 | 26.0 | 26.6 | 0.6 | 1.4 | 59 | 9 |
| | | 26.3 - 2cm graphitic schist with 40% Py; haloed with | | | | | | | | | |
| | | 5cm cherty sericite - 10% Py | | | | | | | | | |
| | | 31.0 to 31.3 - calcitic vesicules | | | | | | | | | |
| | | | | | | | | | | | |
| 31.3 | 33.7 | ARGILLITE | | | | | | | | | |
| | | fine, black, siliceous (cherty) with calcitic banding, | | | | | | | | | |
| | | ser alt | | 2% | 1985 | 32.7 | 33.7 | 1.0 | 1.1 | 8 | 6 |
| | | fol 60° to c.a. | 60° | | | | | | | | |
| | | infrequent thin (.5mm) beds of Sph and Py | | | | | | | | | |
| | | 33.3 to 33.7 - 3% fine diss. Py | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-11



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| 33.7 | 52.8 | MAFIC PILLOWED FLOW | | | | | | | | | |
| | | light green, highly calcareous | | | | | | | | | |
| | | well foliated at 65° to c.a. | 65° | | | | | | | | |
| | | common calcitic amygdules and dark chloritic bands | | | | | | | | | |
| | | representing selvages | | | | | | | | | |
| | | 36.0 to 36.5 - sheared | | | | | | | | | |
| | | 50.0 - fol 70° to c.a. | 70° | | | | | | | | |
| | | | | | | | | | | | |
| 52.8 | 56.7 | LAPILLI TUFF | | | | | | | | | |
| | | large (up to 3cm) qtz-calc lapilli in a chloritic ground | | 5% | 1986 | 52.8 | 53.8 | 1.0 | 0.9 | 7 | 8 |
| | | mass | | | | | | | | | |
| | | high proportion of clasts unit is still matrix supported | | 5% | 1987 | 53.8 | 54.8 | 1.0 | 1.0 | 16 | 5 |
| | | graded bedding of clasts indicates tops are downhole, | | | | | | | - | | |
| | | i.e. to the south | | 5% | 1988 | 54.8 | 55.8 | 1.0 | 1.2 | 103 | 9 |
| | | 4% to 7% Py throughout unit | | | | | | | | | |
| | | | | | | | | | | | |
| 56.7 | 69.9 | MAFIC ASH TUFF | | | | | | | | | |
| | | green, calcareous, chl-calc alt | | 2% | 1989 | 64.2 | 65.2 | 1.0 | 1.6 | 6 | 4 |
| | | moderate fol 60 to c.a. | 60° | | | | | | | | |
| | | 58.7 - 8cm 20% fine diss Po | | | | | | | | | |
| | | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-11



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sulphides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (meters) | Ag ppm | As ppm | Au ppb |
| | | 64.2 to 69.9 - intermixed tuff and fine chloritic | | | | | | | | | |
| | | sediment 1% diss Po-Py | | | | | | | | | |
| | | minor I.F. bands containing fine mt and Py | | | | | | | | | |
| | | 2cm at 64.2 | | | | | | | | | |
| | | 4cm at 64.7 and 64.9 | | | | | | | | | |
| | | | | | | | | | | | |
| 69.9 | 78.6 | TRANSITIONAL UNIT - MIXED TUFF, QFP, MYLONITIC ZONES | | | | | | | | | |
| | | tuff is as from 56.7 to 69.9 | | | | | | | | | |
| | | QFP is weak to non calcareous, sheared, feldspars, and | | | | | | | | | |
| | | qtz are smeared, serecitic | | | | | | | | | |
| | | mylonites are replaced by serecite-calcite schists | | | | | | | | | |
| | | QFP 69.9 - 70.3 | | 1% | 1990 | 76.7 | 77.7 | 1.0 | 1.2 | 3350 | 11 |
| | | 74.0 - 74.1 | | | | | | | | | |
| | | 74.8 - 74.9 | | 1% | 1991 | 77.7 | 78.7 | 1.0 | 0.8 | 3125 | 22 |
| | | 75.6 - 75.7 | | | | | | | | | |
| | | 76.4 - 76.9 | | | | | | | | | |
| | | MYLONITE 70.7 - 71.0 | | | | | | | | | |
| | | 72.1 - 72.3 | | | | | | | | | |
| | | 74.4 - 74.6 | | | | | | | | | |
| | | 75.7 - 75.8 | | | | | | | | | |
| | | | | | | | | | | | |

DURHAM GEOLOGICAL SERVICES INC.
Box 734
TIMMINS. ONTARIO
P4N 7G2

DIAMOND DRILL HOLE LOG UM-11



| Footage | | ROCK TYPE AND DESCRIPTION | Core Angle to Axis | % Sul-phides | SAMPLE | | | | Analytical Result | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | Number | From | To | Length (Meters) | Ag ppm | As ppm | Au ppb |
| 78.6 | 89.0 | QFP | | | | | | | | | |
| | | grey buff, coarse grained, very weakly calcareous, sericite | | 1% | 1992 | 78.7 | 79.6 | 0.9 | 0.8 | 400 | 6 |
| | | black and clear | | | | | | | | | |
| | | 1mm qtz eyes; feldspars smeared, sausseritized? | | 1% | 1993 | 79.6 | 80.6 | 1.0 | 0.6 | 28 | 3 |
| | | severely micro fractured - silica filled | | | | | | | | | |
| | | diss Sulphides throughout; 1% Py, .5-1% Aspy, Tr. Cpy | | 1% | 1994 | 80.6 | 81.6 | 1.0 | 0.7 | 36 | 4 |
| | | 82.0 - calcareous shear zone | 63° | | | | | | | | |
| | | 84.7 to 86.6 - mafic tuff, ser-chl-calc alt | | 1% | 1995 | 81.6 | 82.6 | 1.0 | 1.0 | 4375 | 15 |
| | | 1%-2% Py | | | | | | | | | |
| | | 89.0 - lower contact sharp, parallelling foliation at | | 1% | 1996 | 82.6 | 83.6 | 1.0 | 0.6 | 6250 | 15 |
| | | 63° to c.a. | | | | | | | | | |
| | | | | 1% | 1997 | 83.6 | 84.7 | 1.1 | 0.6 | 3750 | 8 |
| 89.0 | 96.3 | MAFIC VOLCANICS | | | | | | | | | |
| | | as above similar units | | 2% | 1998 | 84.7 | 86.6 | 1.9 | 1.2 | 1125 | 11 |
| | | massive, highly calcareous, ser alt | | | | | | | | | |
| | | 1% calcitic amygdules | | 1% | 1999 | 86.6 | 87.6 | 1.0 | 0.7 | 51 | 5 |
| | | | | | | | | | | | |
| | 96.3 | E.O.H. | | 1% | 2000 | 87.6 | 89.0 | 1.4 | 0.8 | 38 | 7 |
| | | Bruce Bowes | | | | | | | | | |

Ontario Ministry of Northern Development and Mines

# Report of Work

# #137/87

Mining

42B01NE0006 14 MUSKEGO

900

Name and Postal Address of Recorded Holder

UNIGOLD RESOURCES LTD.

Prospector's Licence No. T-4633

500-67 Richmond St. W. Toronto Ont M5H 1Z5

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed ~~3647~~ 3471.5

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

| Mining Claim Prefix | Mining Claim Number | Work Days Cr. | Mining Claim Prefix | Mining Claim Number | Work Days Cr. | Mining Claim Prefix | Mining Claim Number | Work Days Cr. |
|---|---|---|---|---|---|---|---|---|
| | LIST ATTACHED. | | | | | | | |

RECORDED JUN 17 1987

JUL 24 1987 RECEIVED

All the work was performed on Mining Claim(s): P-825769, 825767, 825766, 879190, 879192, 879193

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) P-848217, 848218, 825768

Diamond drilling.

Drill Company: Harrison Drilling and Exploration, North Bay Ont

Dates of Drilling Feb 8 - March 2, 87

Diameter of Core: B.Q.

| Hole No. | Length (m) | Hole No. | Length |
|---|---|---|---|
| UM-1 | 93.2 m | UM-7 | 81.3 m |
| UM-2 | 96.3 m | UM-8 | 99.4 m |
| UM-3 | 92.6 m | UM-9 | 111.6 m |
| UM-4 | 34.7 m | UM-10 | 91.4 m |
| UM-5 | 142.0 m | UM-11 | 96.3 m |
| UM-6 | 142.0 m | Total | 1112 m |
| UM-4A | 31.1 m | | |

PORCUPINE MINING DIVISION RECEIVED JUN 17 1987

Remaining days = 175.50

Date of Report June 16/87

Recorded Holder or Agent (Signature) Peter Neelands

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

PETER NEELANDS P.O. Box 734 TIMMINS ONT

Date Certified June 16/87

Certified By (Signature) Peter Neelands

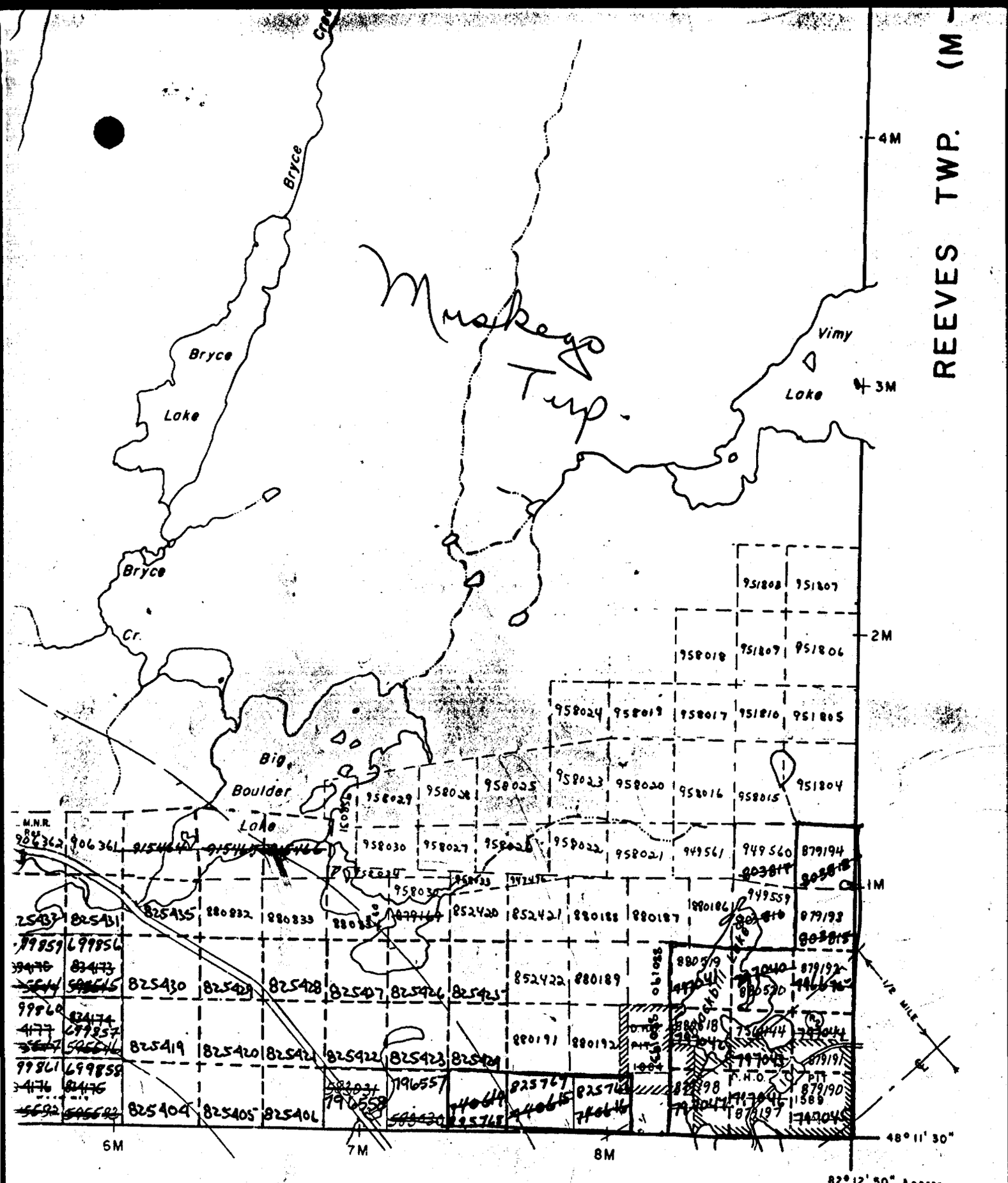
Table of Information/Attachments Required by the Mining Recorder

| 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 | | |
| Power Stripping | Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording. | Names and addresses of owner or operator together with dates when drilling/stripping done. | |
| Diamond or other core drilling | Signed core log showing; footage, diameter of core, number and angles of holes. | | Work Sketch (as above) in duplicate |
| Land Survey | Name and address of Ontario land surveyor. | Nil | Nil |

| | WORK DAYS |
|---|---|
| P-756444 | 13.5 |
| P-756442 | 13.5 |
| P-756443 | 13.5 |
| P-756555 | 28.5 |
| P-756556 | 28.5 |
| P-756557 | 28.5 |
| P-756558 | 28.5 |
| P-756559 | 28.5 |
| P-825766 | 53.5 |
| P-825767 | 53.5 |
| P-825768 | 53.5 |
| P-825769 | 53.5 |
| P-825770 | 53.5 |
| P-825771 | 53.5 |
| P-832311 | 68.5 |
| P-832312 | 53.5 |
| P-832313 | 53.5 |
| P-832314 | 53.5 |
| P-832315 | 53.5 |
| P-832316 | 53.5 |
| P-832317 | 68.5 |
| P-832318 | 68.5 |
| P-832319 | 28.5 |
| P-832320 | 13.5 |
| P-848214 | 53.5 |
| P-848215 | 53.5 |
| P-848216 | 53.5 |
| P-848217 | 53.5 |
| P-848218 | 53.5 |
| P-848219 | 53.5 |
| P-848220 | 53.5 |
| P-848221 | 53.5 |
| P-848222 | 53.5 |
| P-848223 | 53.5 |
| P-849523 | 53.5 |
| P-849524 | 53.5 |
| P-849525 | 53.5 |
| P-849526 | 53.5 |

| | WORK DAYS |
|---|---|
| P-849527 | 53.5 |
| P-849528 | 53.5 |
| P-849529 | 53.5 |
| P-849530 | 53.5 |
| P-849531 | 53.5 |
| P-849532 | 53.5 |
| P-849701 | 68.5 |
| P-849702 | 68.5 |
| P-849703 | 68.5 |
| P-849704 | 53.5 |
| P-849705 | 53.5 |
| P-849706 | 53.5 |
| P-849707 | 53.5 |
| P-849708 | ~~53.5~~ 68.5 |
| P 849709 | ~~53.5~~ 68.5 |
| P-849710 | 68.5 |
| P-876320 | 13.5 |
| P-879189 | 13.5 |
| P-879190 | 13.5 |
| P-879191 | 13.5 |
| P-879192 | 13.5 |
| P-879193 | 13.5 |
| P-879194 | 13.5 |
| P-879195 | 13.5 |
| P-879196 | 13.5 |
| P-879197 | 13.5 |
| P-879198 | 13.5 |
| P-880518 | 13.5 |
| P-880519 | 28.5 |
| P-880520 | 28.5 |
| P-880521 | 13.5 |
| P-880522 | 13.5 |
| P-880523 | 13.5 |
| P-880524 | 13.5 |
| P-880525 | 28.5 |
| P-880526 | 28.5 |
| P-880527 | 28.5 |

| | WORK DAYS |
|---|---|
| P-880850 | 13.5 |
| P-880851 | 13.5 |
| P-880852 | 13.5 |
| P-880853 | 13.5 |
| P-899984 | 28.5 |
| P-899985 | 28.5 |
| P-899986 | 28.5 |
| P-901684 | 13.5 |
| P-901685 | 13.5 |
| P-901686 | 13.5 |
| P-901687 | 13.5 |
| P-901688 | 13.5 |
| P-901689 | 13.5 |
| P-901690 | 13.5 |
| P-901691 | 13.5 |
| P-901692 | 13.5 |
| P-901693 | 13.5 |
| P-915467 | 13.5 |
| P-915468 | 13.5 |
| P-915469 | 28.5 |
| P-915470 | 28.5 |
| P-923441 | 13.5 |
| P-923442 | 13.5 |
| P-923443 | 13.5 |


REEVES TWP. (M-
Muskego Twp.
Bryce Lake
Bryce Cr.
Vimy Lake
Big Boulder Lake
4M
3M
2M
1M
6M
7M
8M
M.N.R.
1/2 MILE
48° 11' 30"
82° 12' 50" Approx.

# ENCE

FROM DISPOSITION

HTS ONLY

GHTS ONLY

SURFACE RIGHTS

| ate | Disposition | File |
|---|---|---|
| | S.R.O. | 135537 |
| /12/72 | S. R.O. | 163006 V.2 |
| 7/81 | S.R.O. | 135537 |

TED MARCH 30/87
GHTS UNDER SECTION

EL

| | |
|---|---|
| FILE | 38729 |
| FILE | 13555 V.6 |
| FILE | 106274 |