ASSESSMENT REPORT

For

WILZEL RESOURCES LIMITED

in

Cook and Playfair Townships

Larder Lake Mining Division

Ontario NTS 42A/8 (long. 80° 15'W, lat. 48° 26'N)

R. Ken Germundson

February, 2000

SUMMARY AND CONCLUSIONS

Magnetic profiles drafted from ground magnetometer surveys along specific lines, with readings taken every 12.5 metres, have:

1) defined possible faults
2) aided in tracing a feldspar porphyry dyke
3) pin-pointed sequences with exceptionally high magnetite content.

Inductively coupled plasma (ICP) data, for a series of rock, core and soil (4) samples has generally lacked any persistent anomalous relationships. However, the weak platinum (Pt), palladium (Pd) and rhodium (Rd) assays in hole BC87-01 give some impetus to continue searching in the "Anomalous Platinum Area." Away from the drill hole, the association of weak induced polarization (IP) and the feldspar porphyry dyke is of interest.

Although no satisfactory conclusion can be arrived at for the copper mineralization intersected in holes WZ-98-01 and WZ-98-02 from the 1999 field programme, further drilling is recommended in order to continue to define the broad IP anomaly in the area. There is some magnetic evidence that faulting may mark the northern and southern limits of the anomalous IP zone.

The majority of the property is a flat area of muskeg with no outcrop. Targets are defined from IP and magnetic data.

RECOMMENDATIONS

It is recommended that further diamond drilling be completed in order to:

1) Further test the zone of copper mineralization as defined by drill holes WZ-98-01 and 02.
2) Test the weak induced polarization anomaly-feldspar porphyry target in the "Anomalous Platinum Area."
3) Test features in the northwest portion of the property that are related to metal factor IP and high magnetic anomalies.

BUDGET

Bids should be obtained for drilling in the range of 1000 to 2000 metres.

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FIGURES

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2: PROSPECTING PROPOSAL

Wilzel Resources Limited is the registered owner of the subject mineral claims located in Cook and PlayfairTownships. Field work was conducted between July and September, 1999. Mr. Wayne Fuller of Matheson ably assisted with the project. Claim access was by 16-wheel Bush Swamper.

LOCATION

The claims held by Wilzel Resources Limited are located in Cook and Playfair Townships, Black River-Matheson Township, District of Cochrane, Larder Lake Mining Division (with offices in Kirkland Lake).

Sixty one claim units in 30 claims are located in northwestern Cook Township, and 4 units in two claims are located in easternmost Playfair Township (see figures 1 and 2). Cook and Playfair Townships located in NTS 42A/8, and the claims are nestled around longitude 80° 15' W and latitude 48° 26'N (for 2 b) see figures 1 & 2).

ACCESS,

All weather, secondary road access to the Wilzel property is available from Ramore. Ramore is located on Highway 11 some 16 kilometres southeast of Matheson and 40 kilometres north northwest of Kirkland Lake.

From the southern side of Ramore, follow the old radar base road to immediately across the Black River. Take the road towards the north for 1.1km; thence travel towards the east for 2.5km to the end of the road. The western

boundary of the claims is about 200 metres towards the east along a right-of-way cut line. The boundary is marked by the number 3 post for claim L1222585. Access is also available from Holtyre which can be reached via Ramore or from Highway 101, both along number 572. From the S.W corner of Holtyre on 572 follow the township line between Hislop and Guibord Townships southward for 1 mile to approximately the end of the vehicle access. Follow eastward on or adjacent to the township line between Guibord and Cook Townships for ½ mile to the number four post of claim number L799712. The township line is the northern boundary of the property. A 16 wheel Bush Swamper or similar transport is recommended for travel within the claims.

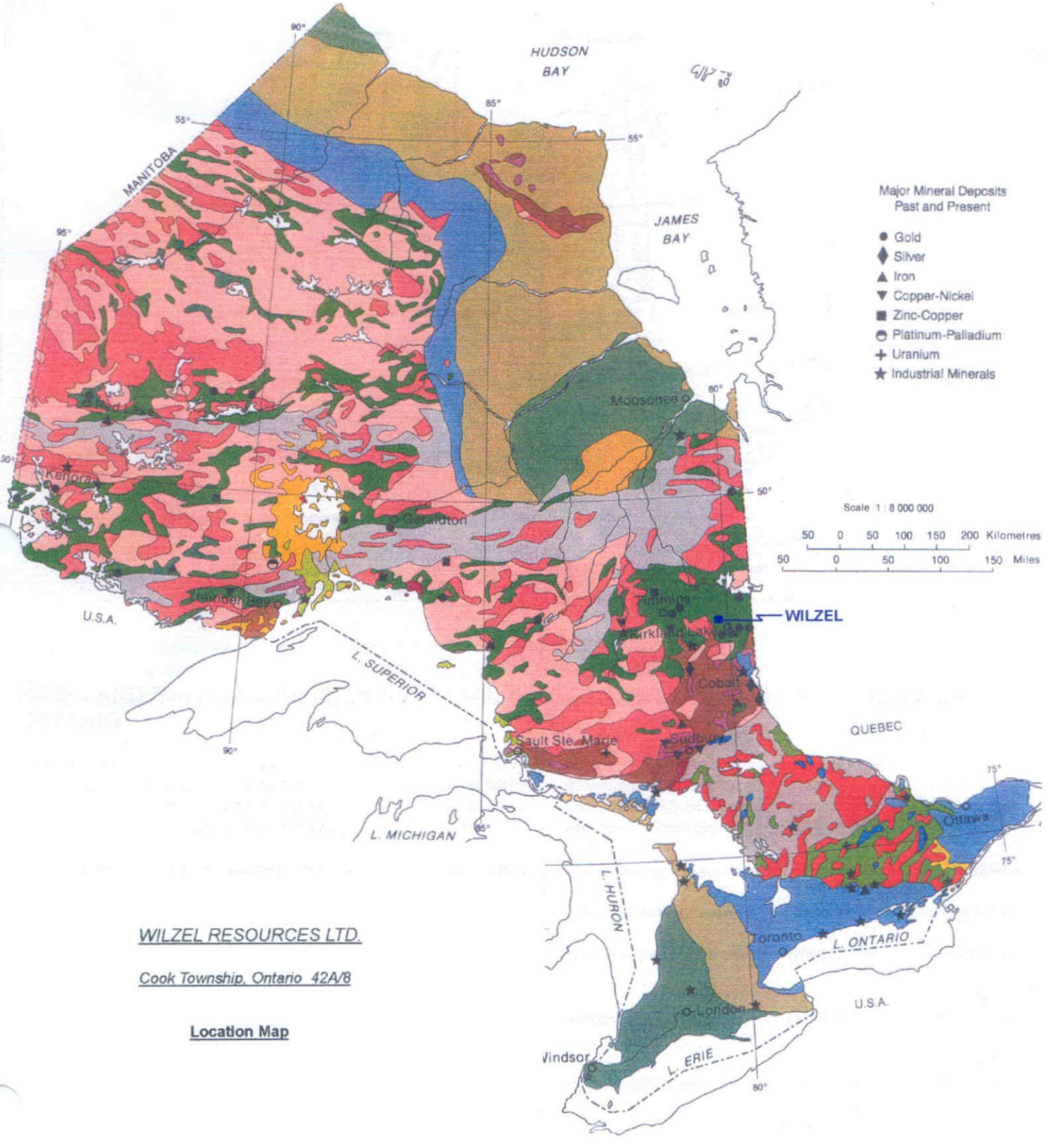
The Playfair claims can be reached by continuing a short distance eastward from the Black river bridge to the vicinity of the dump.

CLAIMS

Work was carried out within most of the Wilzel claims. Sixty one claim units in 31 claims are located in Cook Township (M. 339), and four units are located in two claims in Playfair Township (M381). All of the claims are contiguous (claims maps in pocket).

Claim Number	Due Date	$ Work Required	$ to Date	Reserve/Bank
Cook Township (M. 339) 100% held by Wilzel Resources Limited				
L799711-1 unit	2000-May-25	400	6000	0/0
L799712-1 unit	2000-May-25	400	6000	0/0
L799714-1 unit	2000-May-25	400	6000	0/0
L799715-1 unit	2000-May-25	400	6000	0/0
L799718-1 unit	2000-May-25	400	6000	0/0
L799719-1 unit	2000-May-25	400	6000	0/0
L799720-1 unit	2000-May-25	400	6000	0/0
L799721-1unit	2000-May-25	400	6000	0/0
L799722-1 unit	2000-May-25	400	6000	0/0
L799723-1 unit	2000-May-25	400	6000	0/0
L799724-1unit	2000-May-25	400	6000	0/0

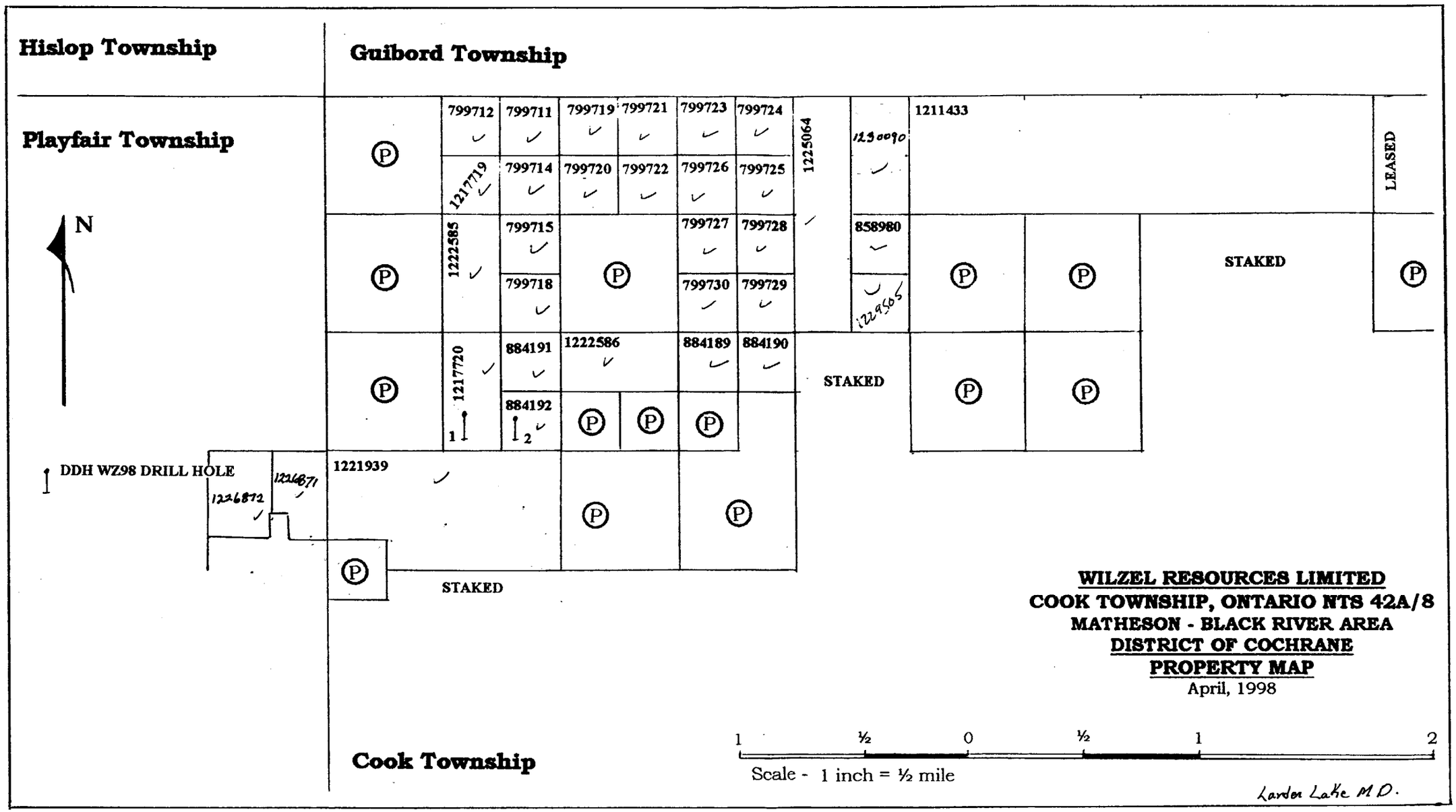
L799725-1 unit	2000-May-25	400	6000	0/0
L799726-1 unit	2000-May-25	400	6000	0/0
L799727-1 unit	2000-May-25	400	6000	0/0
L799728-1 unit	2000-May-25	400	6000	0/0
L799729-1 unit	2000-May-25	400	6000	0/0
L799730-1 unit	2000-May-25	400	6000	0/0
L858980-1 unit	2000-Nov-01	400	5600	0/0
L884189-1 unit	2000-Mar-17	400	5200	0/0
L884190-1 unit	2000-Mar-17	400	5200	0/0
L884191-1 unit	2002-Mar-17	400	6000	0/0
L884192-1 unit	2002-Mar-17	400	6000	112/0
L1211433-16 units	2000-Apr-21	6400	6400	0/0
L1217719- 2 units	2000-Feb-19	800	0	0/0
L1217720- 2 units	2001-Feb-19	800	1600	724/0
L1221939- 8 units	2000-Apr-21	3200	3200	0/0
L1222585- 2 units	2000-Mar-26	800	0	0/0
L1222586- 2 units	2000-Mar-26	800	0	0/0
L1225064- 4 units	2000-Feb-09	1600	0	0/0
L1229505- 1 unit	2000-Jun-26	400	0	0/0
L1230090- 2 units	2001-May-21	800	0	0/0
Playfair Township (M.381) 100% held by Wilzel Resources Limited				
L1226871- 2 units	2000-May-04	800	0	0/0
L1226872- 2 units	2000-May-04	800	0	0/0



WILZEL RESOURCES LTD.

Cook Township, Ontario 42A/8

Location Map


Hislop Township
Guibord Township
Playfair Township
N
799712
799711
799719
799721
799723
799724
1225064
1230090
1211433
LEASED
1217719
799714
799720
799722
799726
799725
1222585
799715
799727
799728
858980
STAKED
799718
799730
799729
1229505
1217720
884191
1222586
884189
884190
STAKED
884192
1
2
DDH WZ98 DRILL HOLE
1226871
1226872
1221939
STAKED
Cook Township
WILZEL RESOURCES LIMITED
COOK TOWNSHIP, ONTARIO NTS 42A/8
MATHESON - BLACK RIVER AREA
DISTRICT OF COCHRANE
PROPERTY MAP
April, 1998
1 ½ 0 ½ 1 2
Scale - 1 inch = ½ mile
Larder Lake M.D.

PROSPECTING TARGETS

Any one or more target models can be associated with the geological setting of Cook and Playfair Townships:

1: The two holes, WZ-98-1 and WZ-98-2 (drilled during April, 1998) intersected an east-west trending quartz-carbonate bearing structure (figure 5). A 15 foot section in WZ-98-1 assayed 2.3% copper. The suggested model is one where (base metal) copper-bearing hydrothermal solutions are controlled by structure.

2: A presence of a volcanic hosted massive sulphide environment must be considered as anomalous zinc does occur in the above holes.

3: The very weak Pt/Pd/Rh anomalies in DDH BC87-01, although associated with a Matachewan Dyke - massive flow contact, may have some significance. A nearby weak IP anomaly associated with a feldspar porphyry dyke may also have significance.

4: A subcircular magnetic feature in the northwestern part of the claims is muskeg covered, and it may have ??kimberlite association. Kimberlites, one of which is ruby-bearing, are known to occur in Guibord Township immediately north of Cook Township

5: The gold (and copper) ore body at the Ross Mine, which is located in Hislop Township two to three miles northerly from Cook Township, is related to northwesterly trending faults. Both of the Hislop and Ross Mine Faults strike towards the southeast and may affect the potential style of mineralization within the Cook and Playfair Townships claims (figures 3 and 4). A quartz vein/stockwork setting is possible.

GEOLOGY

Regional Geology

The Cook Township claims of Wilzel Resources Limited are located in the central portion of the Abitibi "Greenstone" Belt of late Archean age, Superior Province, Canadian Shield (Huggins, 1998). The Abitibi Subprovince extends from west of Timmins, Ontario, eastward to beyond Val d' Or and Chibougamu, Quebec, where it is cut off by the Grenville Front.

Rocks of the Abitibi Subprovince are composed of meta-sedimentary and metavolcanic groups that have been intruded by a complete sequence of plutonic rocks, which range in composition from granite and pegmatite to gabbro and ultramafic suites (Table 2). Many of the regional faults, and other related structures structures that have affected the belt, are felt to have been intermittently active throughout the history of the Abitibi Plate.

Proterozoic metasediments of the Huronian Supergroup have filled in grabben structures that are located in the Abitibi Belt (figure 3). Numerous, late occurring dykes, sills and stocks, ranging in composition from diabase to gabbro, cut all of the rocks of the belt.

Cook Township is underlain by the western end of the northern limb of the Blake River Synclinorium (see: Regional Compilation). The synclinorium plunges towards the east. Younger, calc-alkalic andesite and basalt, with lesser amounts of dacite and rhyolite, characterise the Blake River Group, which occupies the axial areas of the synclinorium. Rocks of the Blake River Group are composed of (in descending order of abundance) pillow lavas, fragmental units, and massive flows. The fragmental rocks consist of pillow breccia, pyroclastic breccia and fine-grained tuff (Jensen, 1978). Mapable units within the Group vary in thickness from 30 to 60 metres that can be traced for distances of 1.5+ kilometres (to as much as 8 kilometres).

The limbs of the synclinorium are formed by alternating sequences of magnesium-rich and iron-rich basalts of the Kinojevis Group; minor amounts of andesite, dacite and rhyolite are also present. The alternating sequences are well-defined regionally as seen from airborne magnetic data (see figures 3, 4). Hyaloclastite, which marks the top of individual flows, is underlain progressively by

amygdaloidal basalt and thicker sequences of fine- to coarse-grained basalt as dictated by the rate of cooling of the flow. Pillow lavas are common within the massive basaltic piles.

The Blake River Synclinorium is terminated towards the north by the east-west trending Destor-Porcupine regional fault. The southern margin of the synclinorium is flanked by the east-west trending Kirkland Lake-Larder Lake-Cadillac Fault. The majority of the "World Class" gold deposits of northeastern Ontario and western Quebec are associated with either one or the other of these structures, As a general rule, as one moves away from the faults, less exploration activity has occurred. Cook Township, although located relatively close to the Destor-Porcupine Fault and is crossed by related northwest trending structures, has been little explored.

Claim Geology

The Wilzel property is underlain by alternating iron-rich and iron-poor tholeiitic basalts of the Kinojevis Group (Wilzel Data Compilation Map in pocket). Bennett (1988) reported that a dacitic crystal tuff is also present. The metavolcanic rocks have been cut by north-south trending diabase dykes (Matachewan type).

The northwest trending Hislop and Ross Mine Faults , parallel each other and respectively flank the mafic intrusive. An east-west trending copper bearing and fault controlled quartz-carbonate zone may connect with both of the faults. Assays from core drilling and trenching of the east-west striking structural zone returned copper and silver, subanomalous gold and a few higher zinc values. The northwest trending structures, as well as the Destor-Porcupine Fault, are the most likely ones to be associated with gold (Glimmer and Ross Mine deposits as shown in figure 3).

VLF EM data shows that conductors trend 1- nearly north-south, 2- northwesterly and paralleling the Ross Mine Fault and 3- parallel to the WNW striking volcanic stratigraphy (Data Compilation, pocket).

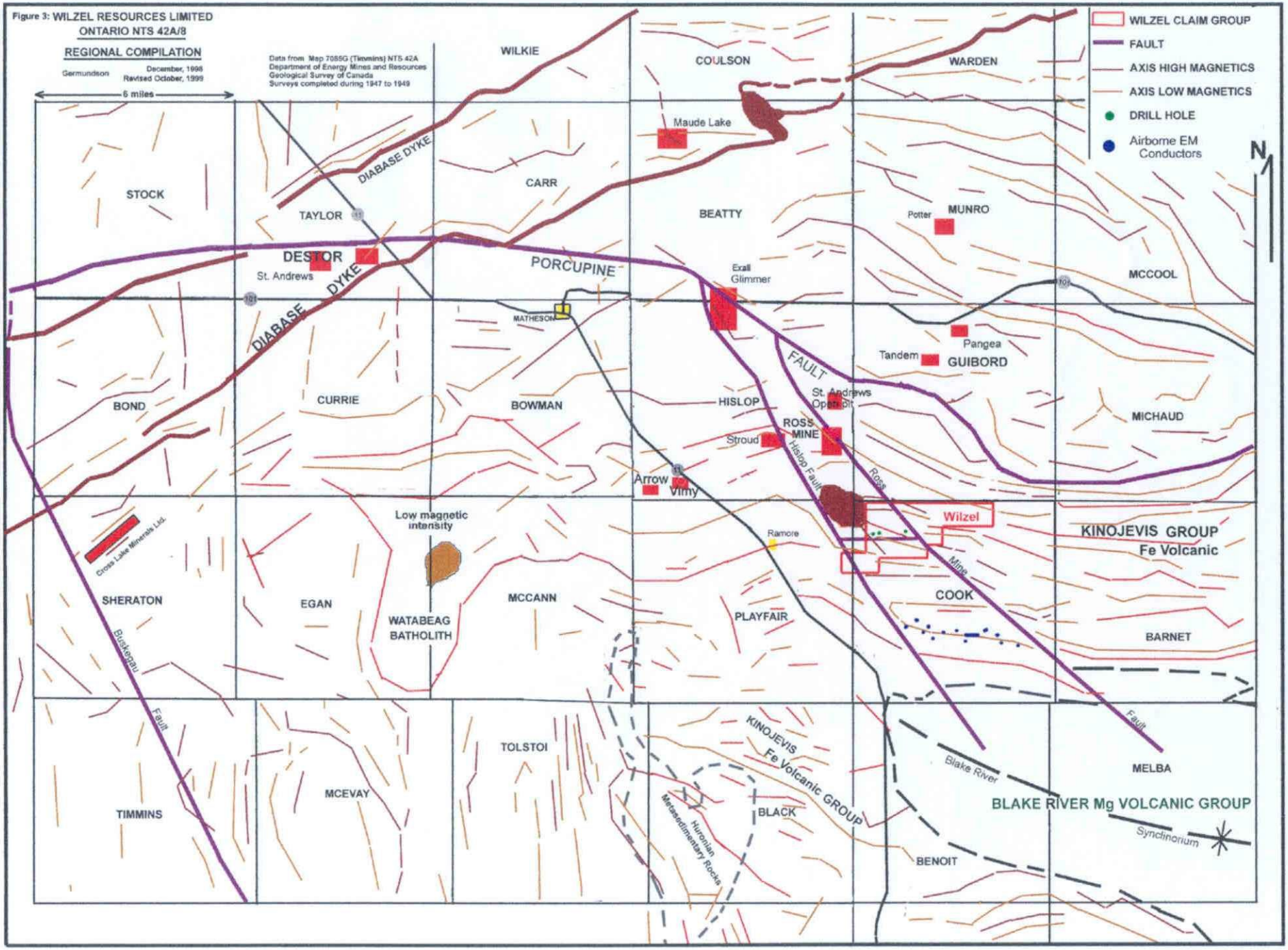


Figure 3: WILZEL RESOURCES LIMITED
ONTARIO NTS 42A/8
REGIONAL COMPILATION
Germundson
December, 1998
Revised October, 1999
6 miles
Data from Map 7085G (Timmins) NTS 42A
Department of Energy Mines and Resources
Geological Survey of Canada
Surveys completed during 1947 to 1949
WILZEL CLAIM GROUP
FAULT
AXIS HIGH MAGNETICS
AXIS LOW MAGNETICS
DRILL HOLE
Airborne EM Conductors
N
WILKIE
COULSON
WARDEN
Maude Lake
STOCK
TAYLOR
CARR
BEATTY
Potter
MUNRO
DESTOR
St. Andrews
DIABASE DYKE
PORCUPINE
Exall
Glimmer
MCCOOL
MATHESON
Pangea
Tandem
GUIBORD
FAULT
BOND
CURRIE
BOWMAN
HISLOP
St. Andrews Open Pit
ROSS MINE
Stroud
MICHAUD
Hislop Fault
Ross
Arrow
Vimy
Low magnetic intensity
Cross Lake Minerals Ltd.
Ramore
Wilzel
KINOJEVIS GROUP
Fe Volcanic
Mine
SHERATON
EGAN
WATABEAG BATHOLITH
MCCANN
PLAYFAIR
COOK
BARNET
Buskegau Fault
TOLSTOI
KINOJEVIS Fe Volcanic GROUP
Blake River
MELBA
TIMMINS
MCEVAY
Huronian Metasedimentary Rocks
BLACK
BLAKE RIVER Mg VOLCANIC GROUP
Synclinorium
BENOIT

Table 2: Lithologic and other rock units for the northern half of the Blake River Synclinorium and adjacent areas as centred at Cook Township (in part after Jensen (1978) & Jensen and Langford (1985)

PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Glacial Till, clay, alluvium and peat

UNCONFORMITY

JURASSIC

Lamprophyre dykes and kimberlite

INTRUSIVE CONTACT

PRECAMBRIAN

MIDDLE TO LATE PRECAMBRIAN (PROTEROZOIC)

MAFIC INTRUSIVE ROCKS

Diabase and quartz diabase

INTRUSIVE CONTACT

HURONIAN SUPERGROUP

Clastic and chemical metasediments

UNCONFORMITY

EARLY PRECAMBRIAN (ARCHEAN)

FELSIC INTRUSIVE ROCKS

SYENITIC INTRUSIVE ROCKS

Equigranular and porphyritic syenodiorite, monzonite, syenite, feldspar porphyry and pegmatite

INTRUSIVE CONTACT

GRANITIC INTRUSIVE ROCKS

Quartz diorite, granodiorite, trondhjemite, feldspar porphyry and hybrid rocks

INTRUSIVE CONTACT

MAFIC INTRUSIVE ROCKS

Gabbro, quartz gabbro, diorite, hornblende gabbro, and anorthositic gabbro

Table 2 Continued

VOLCANIC ROCKS (north limb of synclinorium)
UPPER SUPERGROUP

DESTOR-PORCUPINE COMPLEX
Volcanic rocks: Alkali basalt, benimorite, hawaiite mugearite, and alkali-rich dacite and rhyolite
Sedimentary Rocks: Turbidic conglomerates, greywacke, argillite and ironstone
Intrusions: Stocks and dikes of syenodiorite, granodiorite, and quartz monzonite

BLAKE RIVER GROUP
Volcanic rocks: Calc-alkalic basalt, andesite, dacite and rhyolite flows and tuffs
Sedimentary rocks: Fluvial conglomerate, sandstone and argillite
Intrusions: Stocks and dikes of gabbro, quartz gabbro, hornblends gabbro, diorite, quartz diorite and subvolcanic rhyolite domes

KINOJEVIS GROUP (Note- underlies the Cook Township claims)
Volcanic rocks: Magnesium-rich and iron-rich tholeiitic basalts, and tholeiitic andesite, dacite and rhyolite flows and tuffs
Sedimentary rocks: Thin interflow of argillite and chert
Intrusions: Sills of magnesium-rich and iron-rich gabbro

STOUGHTON-ROQUEMAURE GROUP
Volcanic rocks: Flows of perodotitic and basaltic komatiite and magnesium-rich tholeiitic basalt and minor iron-rich tholeiitic basalt and minor calc-alkalic rhyolite tuff and cherty tuff
Sedimentary rocks: Minor chert and iron formation
Intrusions: Sills and stocks of peridotite, pyroxenite and gabbro

LOWER SUPERGROUP

HUNTER MINE GROUP
Volcanic rocks: Mainly calc-alkalic dacite and andesite tuff-breccia with some calc-alkalic basalt, andesite and trachyte
Sedimentary rocks: Cherts, iron formation,and turbiditic greywacke, and argillite (may be same as the Porcupine Group)
Intrusions: Dikes of quartz feldspar porphyry and trondjemite of the lake Abitibi Batholith

Economic Geology

Ross Mine

The Ross Mine is located in the north half of lot 1 of concession II, Hislop Township and is about 1.5 miles NNW of the northern boundary of Cook Township and the Wilzel claims. The Ross Mine Fault is projected from the vicinity of the Ross mine southeastward through the Wilzel property (figures 3 & 4).

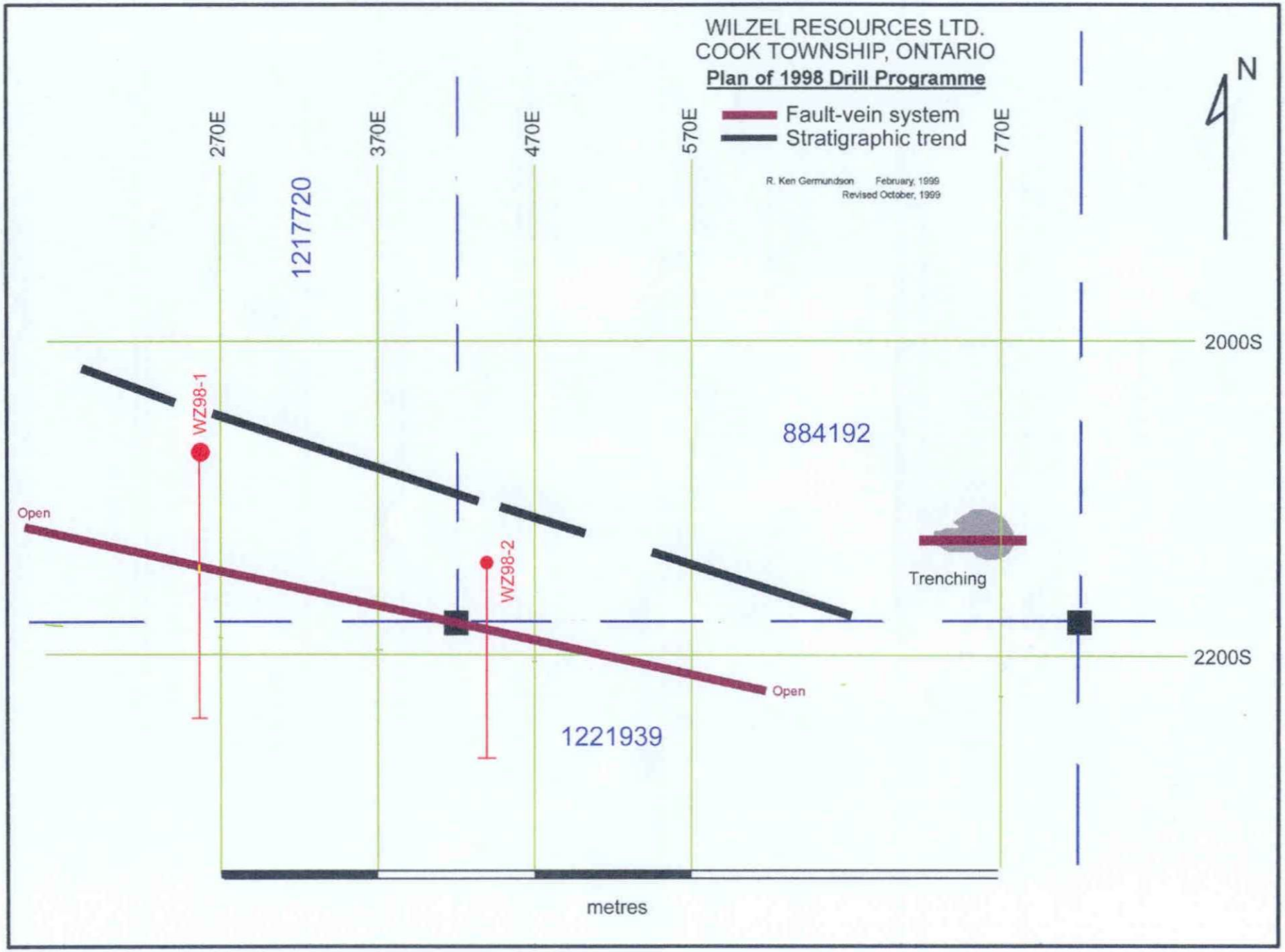
The Mine produced 1,500,000+ ounces of gold during a fifty year period commencing in 1937 or 1938. Copper and silver were also of economic significance.

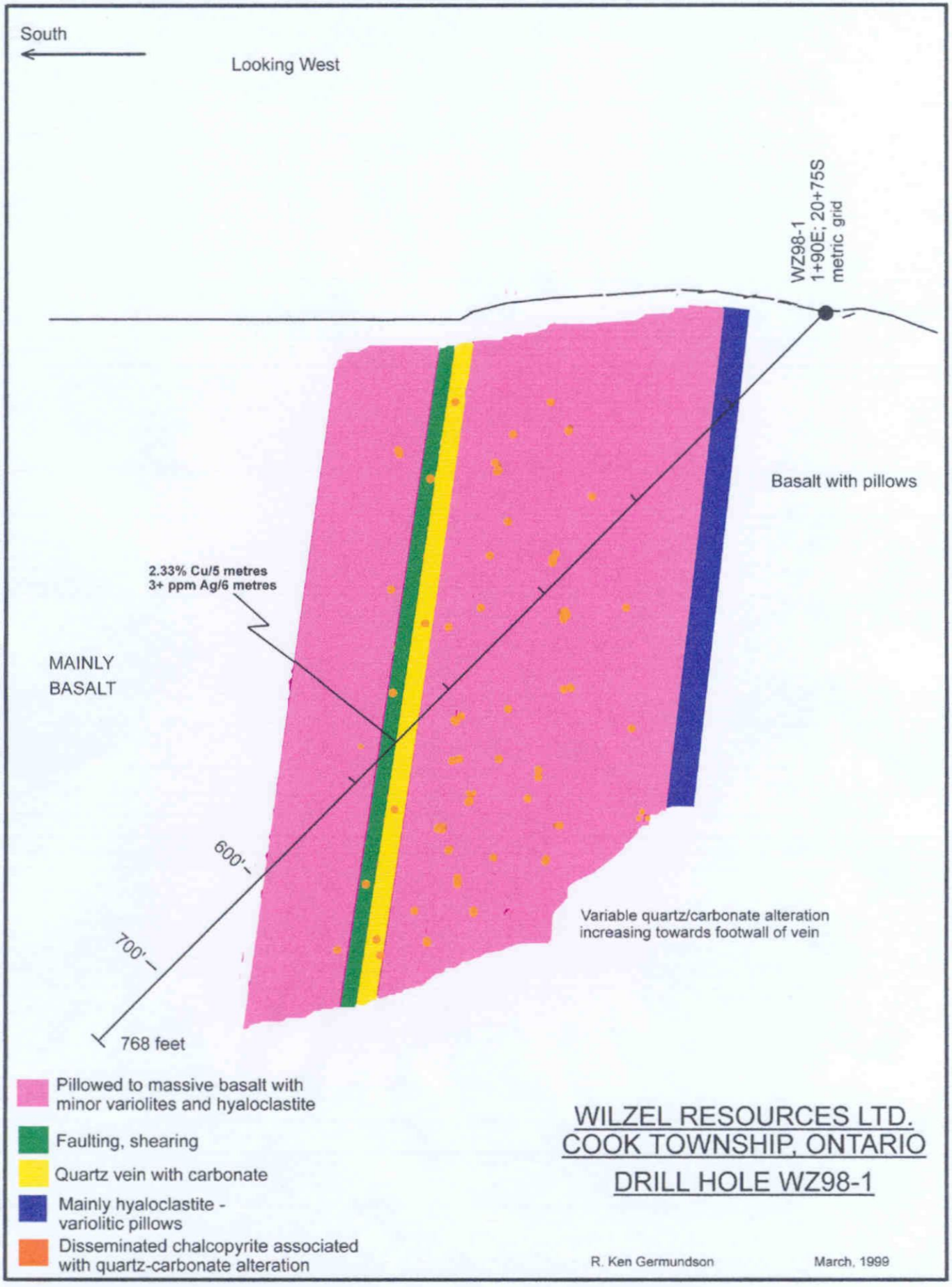
Strong north-south faulting that is present at the Ross Mine dips 75° to 89° west and is likely related to slippage along the nose or limb of a sharp fold structure, and therefore the particular fault trend may be limited in extent (Prest, 1957). The rocks at and adjacent to the mine have undergone intense alteration and are believed to be part of an acidic volcanic sequence. A variety of breccias within the altered sequences are felt to be in part pyroclastic, in part flow top related and in part due to structural implications of from folding and faulting. It is important to reiterate (often)

Vimy Gold Mines

The Vimy property is located mainly in the northern part of lot 10 concession 1, Hislop Township. The principal mineralization is controlled by a narrow quartz vein/ syenite dike/lamprophyre system that trends N 47° W and dips 74° NW. The host rock is composed of Archean pillow lavas, which have been intruded by a diabase dike parallel to the trend of the quartz vein system. An additional quartz stringer zone trends towards the south from the main vein (Moore, 1937). An 8 foot wide section of pyrite and quartz stringers in greenstone and syenite, located in a large pit was known to carry significant gold (? $20.00 per ton at $35.00 per ounce of gold). In places where the number of quartz stringers is sparse, the greenstone is silicified. **Structural trends towards the northeast and south.**

1998 DDH's WZ-98-1 and 2, drilled under Germundsons supervision, intersected an east-west trending structure containing quartz carbonate stockwork and chalcopyrite. Assays include 15 feet of drill intersection assaying 2.33% copper and a complimentary 19 foot section containing 3+ ppm of silver (plan and sections).

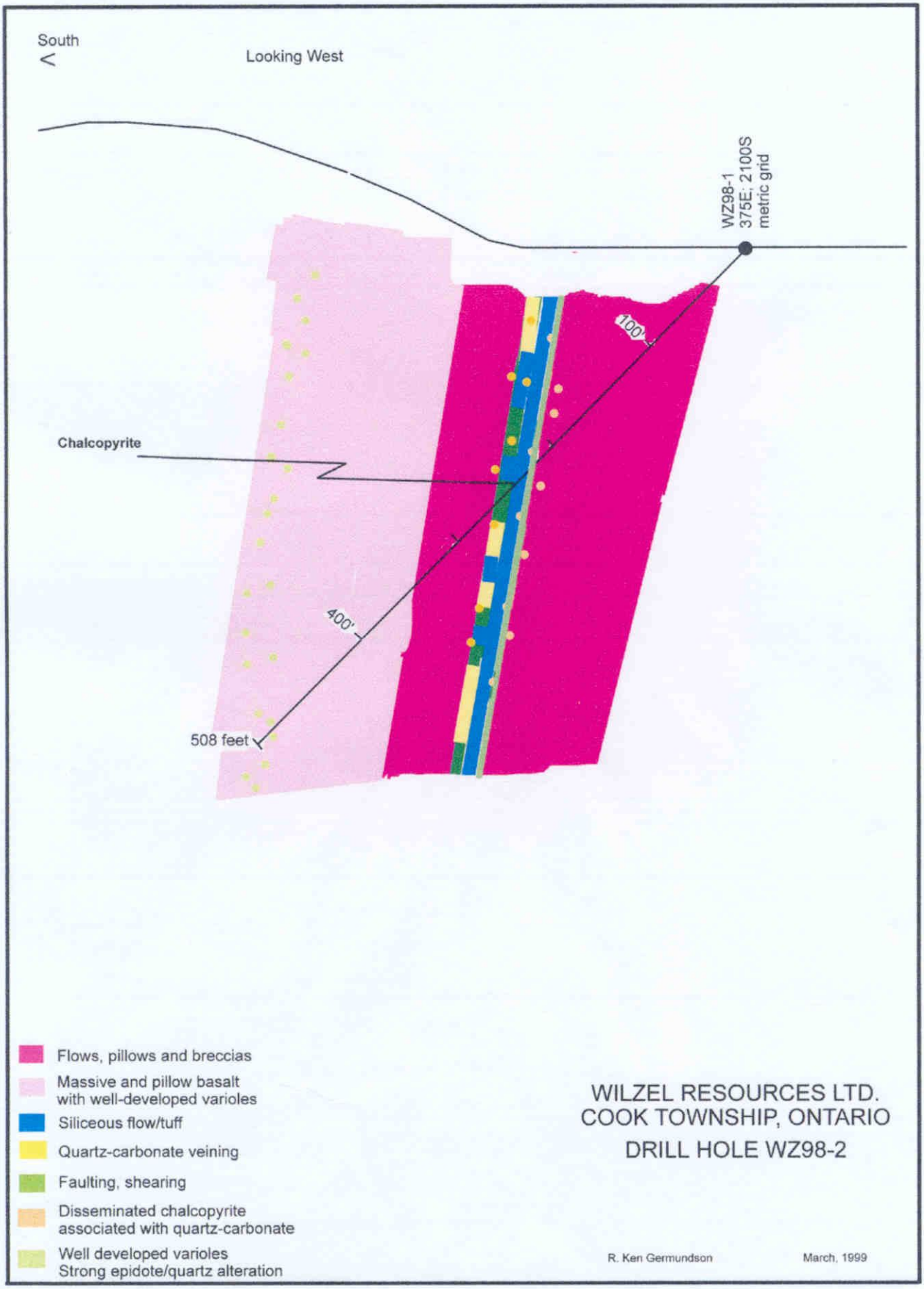

WILZEL RESOURCES LTD.
COOK TOWNSHIP, ONTARIO
Plan of 1998 Drill Programme
Fault-vein system
Stratigraphic trend
R. Ken Germundson February, 1999
Revised October, 1999
N
270E
370E
470E
570E
770E
1217720
2000S
2200S
WZ98-1
WZ98-2
884192
1221939
Open
Open
Trenching
metres



WILZEL RESOURCES LTD.
COOK TOWNSHIP, ONTARIO
DRILL HOLE WZ98-1

R. Ken Germundson

March, 1999



WILZEL RESOURCES LTD.
COOK TOWNSHIP, ONTARIO
DRILL HOLE WZ98-2

R. Ken Germundson March, 1999

PREVIOUS WORK

In spite of the fact that the Ross Gold Mine was in operation until the late 1980's, is within 3 kilometres from the north boundary of Cook Township (and the Wilzel Property) and the Ross Mine Fault cuts through the claims, there is little record of work being done within the claim group prior to 1985. Between 1948 and 1983, much of the area may have been withdrawn as part of the now abandoned Ramore Radar Station. Possibly three DDH's were completed in claim L1211433 prior to 1985; gold values were reported from some of the holes. The claim is located within a mile of the Destor-Porcupine Fault.

A ground magnetometer survey was run over part of the claims by W. Bennett in 1985. Wilzel Resources Limited continued with the ground magnetometer and VLF EM surveys, and undertook geological mapping and limited trenching and blasting during 1986 (see: Data Compilation in pocket). The trenching and blasting exposed an east-west trending quartz-carbonate vein and breccia zone some 15 feet wide in the southern part of the claims (claim L884192). Slightly anomalous values for gold were returned; pyrite, galena specularite and minor chalcopyrite were also noted.

Wilzel completed diamond drill hole BC-87-01 to 1300 feet during 1987. The hole was collared in claim L 799730 and was directed towards the south and under claim L 884189. Numerous white quartz veins and 1% disseminated pyrite are present in the upper 142 feet of the hole (this may be reflected in the anomalous induced polarization values in the area of the drill.).

During 1988, Wilzel Resources drilled 30 reverse circulation holes. The reasons for the most anomalous (+3000 ppb) assays from the holes has never been completely evaluated.

In 1997, Wilzel Resources completed induced polarization surveying over some of the claims. The anomalous IP conditions in the southwesern part of the claims formed the general targets for the 1998 diamond drilling.

Two holes were drilled during1998 for a total of 1276 feet. Copper-quartz-carbonate mineralization is associated with an east-west trending fault zone. The strike length of the structure is greater than ½ mile (from the drilling eastward to the

1986 trenching). The diamond drilling represents the only exploration on the claims supervised by Germundson for which he received monetary compensation.

RATIONALE

The following reasons define the high exploration rating that has been assigned to the Wilzel Property located in the northern part of Cook Township.

1: The proximity to the Destor-Porcupine Fault is a strong factor. Major world Class gold deposits are associated with the Fault and its subsidiary structures. The Fault extends southward into the southern part of Guibord Township, and the rocks underlying (*ie:* especially) Claim L1211433 are therefore primary targets.

2: The genesis of the mafic intrusive that underlies the common corner of townships Playfair, Hislop, Guibord and Cook is felt to have a possible significant relationship to structure and, therefore, economic mineralization. It is, firstly, flanked by both the northwest trending Hislop and Ross Mine Faults. Both are apparently related to gold deposits (Glimmer and Ross Mine, figure 3). The fingers of high magnetic intensity that extend into the Wilzel claims from the intrusive have a potential significance that must be determined.

3: Because the Hislop and the Ross Mine Faults are associated with gold deposits, they become important targets, and their projections through the claim group have to be carefully traced. Note that the Ross Mine deposit is also copper bearing.

4: The study of the mineralized, fault as intersected in the 1998 drill programme will be ongoing.

5: Follow up work in the "Anomalous Platinum Area" is recommended.

6: There is more than one style of modeling that can be applied to the property, that is models for at least base metals platinum and gold. Systematic follow up on these and the above points of rationale is expected to bring the style of exploration on the claims to another level.

7: Because kimberlites are known from Guibord Township, this aspect of economic geology can not be ignored.

4) Magnetometer	Line 00	2700m		3 days
	3+00S	2700m		
	27+00S	1000m		
	16+00S	3000m		
	24+00S	1850m		
	30+00S	1850m		
	270E	800m		
	1920E	400m		
	2055E	400m		
	2142E	300m		
	2320E	150m		
	2535E	300m	15,450m	
5) Studying core				3 days
			Total field	47 days

Trenching was not undertaked except for a minor amount in conjunction with sampling and geological work.

WORK DONE

During the field season the following work, aided by Wayne Fuller, was undertaken.

1) Line cutting -	00+00 from 00W to 2800E	2800m
	3+00S from 00W to 2800E	2800m
	8+00S from 00W to 1000E	1000m
	16+00S from 00W to 3000E	3000m
	24+00S from 1000W to 850E	1850m
	27+00S from 800W to 1800E	1000m
	30+00S from 900W to 900E	1800m
	110E from 00 to 800S	800m
	270E from 1600S to 2400S	800m
	405E from 2100S to 2400S	300m
	1807E from 00 to 400S	400m
	1920E from 1600S to 2400S	800m
	2055E from 1500S to 2000S	500m
	2142E from 1600S to 2050S	450m
	2280E from 1600S to 2100S	500m
	2320E from 1600S to 2000S	400m
	2535E from 1600S to 2400S	800m 20,000m
	Lines	17 days
2) Traversing		15 14 days
3) Sampling and geological work (70 samples)		12 10 days
53 rock, 4 soil, 13 core from BC87-01		

Continued . . . .

ASSAYS

Seventy samples, comprised of 4 soil, 13 core and 53 rock samples, were analyzed. Inductively coupled plasma (ICP), gold, platinum, palladium and rhodium assays were variously completed.

Very weak Pt-Pd-Rh anomalies occurred in two samples from DDH BC87-1 in the area loosely called the "Anomalous Platinum Area"

Only one quartz vein, some 6 to 10 cm in width, carried significantly anomalous copper (samples N618859 and 60).

Sampling-Western Claims Area

Series of rock, and a few soil, samples were collected from claims L 1217720 (area of DDH WZ-98-01), L 1221939 (northeastern and western areas) and L 1226871(in Playfair Township). There is no one element that visibly stands out in the analyses. Some subtle elevations in content are mentioned.

N 618851: 22+25S and about 1+95E. High iron basalt sequence near the axis of high magnetism. Nominally high chromium (Cr) at 312 parts per million and nickel (Ni) at 167 ppm. Shearing at 82° up to 1.5m wide. With 1mm stringers of epidote.

N618852 - 22+25S/1+20E . Basalt. Lapilli tuff or lensic flow-top breccia. Likely a pyroclastic. Relatively high Cr at 273 ppm and Ni at 122 ppm. Low potassium (K) at 0.15%.

N618853 - 22+80S/2+60E. Aphanitic basalt south side of tuff. Cr = 279 ppm. Ni = 107 ppm. Very low K at 0.04%.

N618854 - 22+80S/2+60E. Lapilli tuff. Fragments +/- 1.5 cm. Highest value for Cr (390 ppm) and Ni (136 ppm) for the entire suite of samples. Very low K at 0.01%.

N618855 - 22+80S/2+60E. 6 cm shear with quartz at 120° and dip 75°S. Second highest chromium in the suite at 355 parts per million. Very low K at 0.05%.

N618856 - 22+80S/2+60E. Basalt on north side of shear and tuff. Cr at 31m; Ni at 109 ppm.

N618857 - 22+60S/2+20E. Quartz stringers at N20°E in fine-grained basalt at projection of shear of N618855.

Most of the samples N618658 to M618873 were collected from claims 1217720 and 11221939. No significant anomalous conditions have been noted. The sampling from near the mineralized trend that was intersected in DDH's 98 -01 and 02 have assay values suggesting that the structure may not extend to surface in strength.

Anomalous Platinum Area

The anomalous platinum is in DDH BC87-01 (see below). The corresponding map is located between 18+00E and 25+00E; and 15+00S to 20+00S (see map of Anomalous Platinum Area). Rock exposures are relatively abundant within the map boundaries. The most common rock type consists of basalt and pillow basalt. Thick sequences, as for the intersection in the bottom part of BC87-01, are coarser-grained and have been termed diabase (Bennett, February, 1988). Most of the sequences are massive, only locally well-fractured and host rare narrow quartz veins and/or stringers. Randomly scattered patches of quartz and epidote are also not common. The magnetite content of some of the flows is great enough to affect compass bearings.

A feldspar porphyry trends across the map at about 110 degrees azimuth. Phenocrysts, mainly greater than 3 to 6 millimetres across, make up the bulk of the rock. An area in the vicinity of 22+50E @ 17+00S contains either laminated tuff or sheared porphyry; however either breccia or lapilli fragments have been noted. The porphyry can represent the filling of a fissure vent that is parallel to the regional strike of the volcanic rocks. Alteration of both the dyke and the country rock has been noted in DDH BC87-01. Anomalous platinum and related metals occur in the dyke both on surface and in the drill hole.

The third rock type is the Matachewan Dyke, which is characterized by a dense, gabbroic ground mass containing large patches or crystals of plagioclase that are up to 3cm across. It has intruded primarily along north-south trending rifts, and onr of the samples collected in the drill hole is anomalous for platinum-palladium-rhodium. One can surmise that the metals have been sweated out from a host located at depth. Thick, massive and coarse-grained flows, such as intersected near the bottom of BC87-01, have the potential for the type of internal layering, which is conducive for the accumulation of platinum group metals. Similar "diabasic" rocks have been noted within the central and northern part of claim L 799730 immediately outside the boundaries of the subject map area.

Follow-up exploration in the "Anomalous Platinum Area" is recommended. Diamond drilling of holes to 400+ metres followed by down-the hole logging methods should form a respectable part of the exploration programme.

Surface samples collected during the 1999 field season are as follows:

N618874 - from the area of 16+45S @ 22+80E. There is a set of fractures at 340° in an otherwise massive basalt. No significant ICP or fire assay values.

N618875 - from the area of 16+95S @ 22+95E in massive Matachewan Diabase that is trending north-south. The sample contains high sodium (4.29%), very low iron (1.79%) and low calcium (1.13%).

N618876 - from the area of 17+00S @ 22+15E on the claim line in sheared? feldspar porphyry; the laminated effect has the appearance of a tuff. Red crystals of garnet are present. Very low sodium (0.23%), low potassium (0.85%).

N618877 - from the area of 17+10S @ 22+00E in pillow basalt containing quartz patches and quartz stringers, along with some epidote, in the selvages. Higher chromium at 111 ppm, very low potassium at 0.04%, very low sodium at 0.56%.

N618878 - from the area of 16+90S @ 22+25E in well-fractured and altered rock near the contact of the porphyry. Low potassium (0.52%), very low sodium (0.11%).40E

N618879 - in the area of 17+10S @ 22+35E in a 10 metre wide zone of medium- rock related to the porphyry. Higher iron (9.21%), very low sodium (0.15%) and potassium (0.06%).

N618880 - in the area of 17+12S @ 22+60E in relatively unaltered and laminated lapilli tuff. Lower calcium (1.95%).

N618881 - from the area of 17+12S @ 22+85E in hardened basalt (hornfels) at the eastern contact with the Matachewan Dyke.

N618882 - from the area of 17+20S @ 23+00E in feldspar porphyry that is sheared parallel to its strike. Higher sodium (3.40%), higher potassium, (2.09%), low calcium (0.78%) and low iron (0.78%).

N618883 - from 12 metres north of N618882 in feldspar porphyry. High sodium (4.26%) and lower iron (1.83%).

N618884 - from the area of 16+95S @ 23+00E in basalt. High sodium (3.94%) low iron (2.10%).

N618885 - from the area of 17+00S @ 22+95E in tuffaceous looking rocks near the contact with the Matachewan Dyke and in an old 30 metre long trench runs north-south adjacent to the dyke. High aluminum (10.10%), very low and calcium at 0.32%, Of the 70 samples submitted for assay to Chemex Labs, N618885 returned the highest value for aluminum and the lowest value for calcium; it also contains the highest value for rubidium (114.5 ppm, and a high potassium at 3.83%.

N618886 - from the vicinity of 18+00S @ 24+00E in basalt containing limited patches of and stringers of quartz with epidote. The sample contains a low potassium at 0.08%.

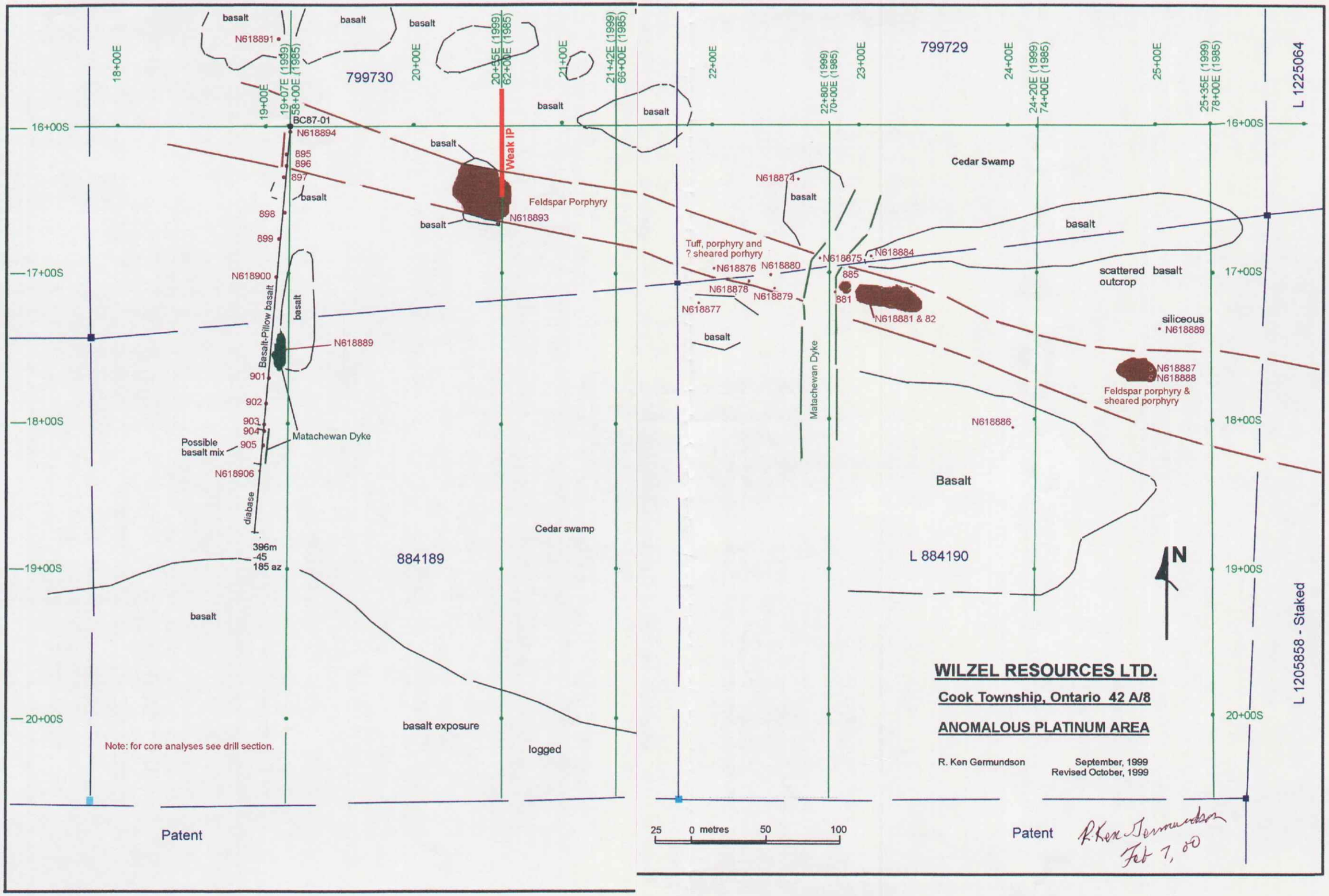
N618887 - 17+60S @ 25+00E in feldspar porphyry. V. low potassium at 0.73%.

N618888 - as at 887. Very low potassium at 0.19%.

N618889 - from the area of 17+35S @ 25+00E in siliceous basalt or dark grey rhyolite. Very low potassium at 0.12%.

N618891 - from the vicinity of 15+50S @ 19+07E in magnetic basalt and due of BC87-01 (probably on north flank of a N-S structure. Very low potassium (0.11%).

N618893 - from 16+60S @ 20+55E at the contact between feldspar porphyry and basalt. Very low calcium (0.15%), low iron (1.45%), very low titanium (0.19%), high potassium (3.23%) and low sodium (0.72%).


basalt
N618891
18+00E
19+00E
19+07E (1999)
19+58+00E (1985)
799730
20+00E
20+45E (1999)
62+00E (1985)
21+00E
21+42E (1999)
66+00E (1985)
22+00E
22+80E (1999)
70+00E (1985)
23+00E
799729
24+00E
24+20E (1999)
74+00E (1985)
25+00E
25+35E (1999)
78+00E (1985)
L 1225064
16+00S
BC87-01
N618894
895
896
897
898
899
N618900
17+00S
18+00S
19+00S
20+00S
Basalt-Pillow basalt
basalt
N618889
901
902
903
904
905
Possible basalt mix
Matachewan Dyke
N618906
diabase
396m
-45
185 az
Weak IP
Feldspar Porphyry
N618893
Cedar Swamp
N618874
Tuff, porphyry and ? sheared porhyry
N618876
N618880
N618884
N618875
885
881
N618878
N618879
N618877
N618881 & 82
scattered basalt outcrop
siliceous
N618889
N618887
N618888
Feldspar porphyry & sheared porphyry
N618886
Matachewan Dyke
884189
Cedar swamp
basalt exposure
logged
Note: for core analyses see drill section.
Patent
Basalt
L 884190
N
L 1205858 - Staked
WILZEL RESOURCES LTD.
Cook Township, Ontario 42 A/8
ANOMALOUS PLATINUM AREA
R. Ken Germundson
September, 1999
Revised October, 1999
25 0 metres 50 100
Patent
R. Ken Germundson
Feb 7, 00

Diamond Drill Hole BC87-01

DDH 87-01 is located at 16+00S at 19+07E on the 1999 metric grid (=58+00E at 51+00S on the 1987 imperial grid) in L 884189. The hole was drilled at 185 degrees azimuth at minus 45 degrees to a depth of 396 metres (=1300 feet) (see drill section). Sections of the hole were assayed for gold in 1987 with negative results. During the summer of 1999, 13 samples were grabbed from various depths as follows:

N618894 from 10.1 metres (= 33 feet) in feldspar porphyry. The sample contains lower calcium(1.45%), lower iron (1.59%), high sodium (4.74%) and sub-anomalous base metals.

N618895 from 23.2 metres (= 23 feet) in feldspar porphyry. Some of the ICP data includes low iron (1.73%), high sodium (4.69%) and minimal base metals.

N618896 from 42.4 metres (= 139 feet) in altered feldspar porphyry immediately at the contact with basalt. Included are values for cesium (1.45 ppm), lower iron (2.04%), high potassium (3.24%), low sodium (0.83%) and minimal values for base metals. There are anomalous Pt-Pd-Rh values; the occurrences being in the porphyry makes further study of the porphyry along strike necessary. The porphyry has been traced on surface and magnetically towards the east to the eastern boundary of the claims where it continues into L1205858.

N618897 from 45.7 metres (= 150 feet) in altered basalt. Hematite is present in a quartz stringer. There is low potassium (0.80%), low sodium (0.65%) and minimal base metals.

N618898 from 81.4 metres (= 267 feet) in pale green basalt. As in N618897, there are low numbers for potassium (0.84%), sodium (0.40%) and for base metals.

N618899 from 110.3 metres (= 362 feet) in white speckled basalt. The white specks had been logged as leucoxine (titanium oxide), however, the titanium content (1.01%) in the sample is not exceptional and does not reflect this. Very low sodium (0.01%).

N618900 from 146.9 metres (= 482 feet) in pillow breccia. The sample has a higher iron (9.18%), higher lithium (46.6 ppm), very low potassium (0.07%) and a moderate sodium (2.21%) content.

N618901 from 224.6 metres (= 737.0 feet) in pillow breccia. Chromium 133 ppm and very low potassium (0.02

N618902 from 266.1 metres (= 873.0 feet). Pillow basalt. Very low potassium (0.05%).

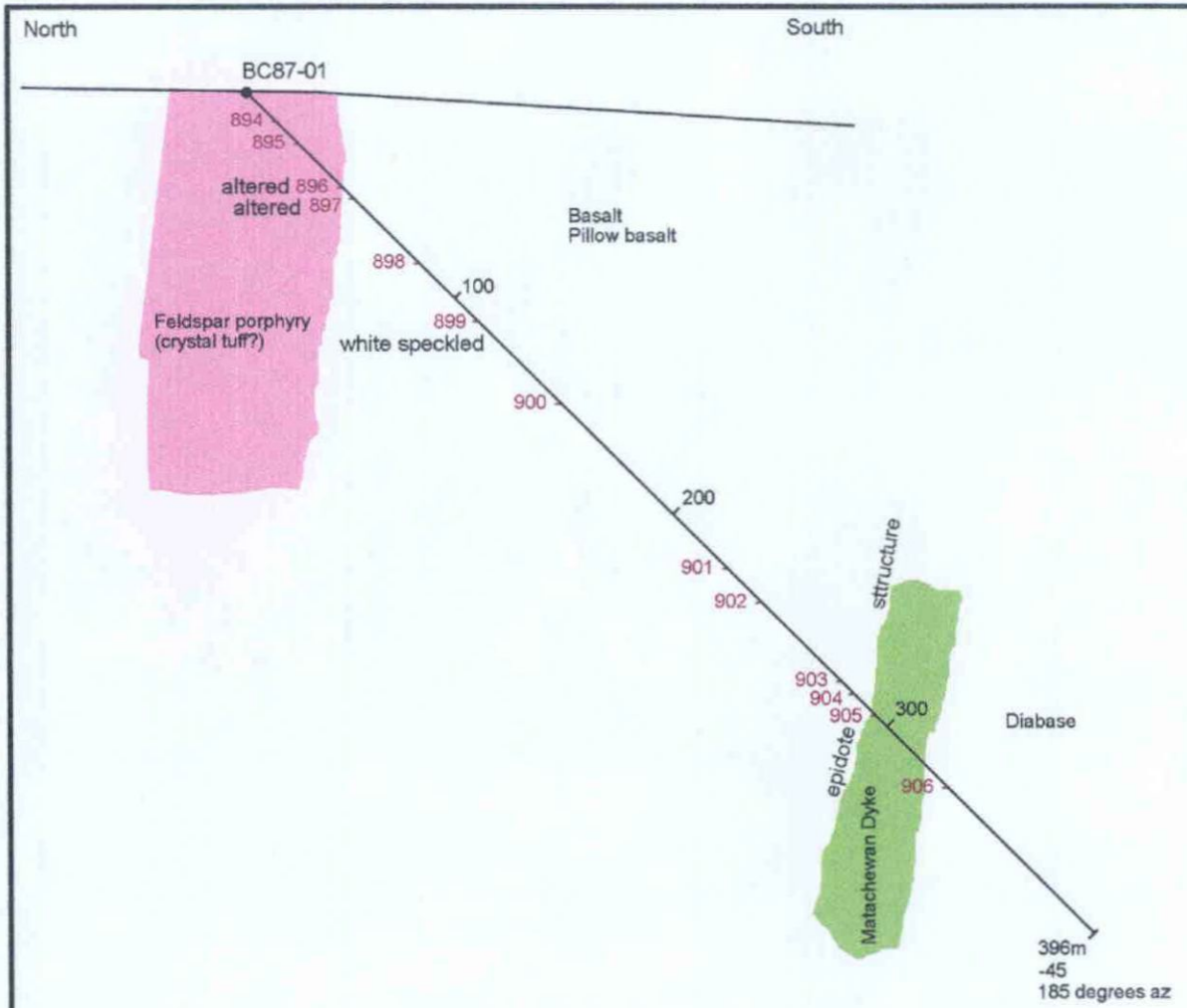
N618903 from278.3 metres (= 913.0 feet). Pillow basalt with epidote. Very low potassium

N618904 from 283.5 metres (= 930.0 feet) in basalt with epidote. Very low potassium (0.02%) and anomalous for Pt - Pd - Rh.

N618905 from 296.3 metres (= 972.0 feet) in Matachewan Dyke (may have some mixing of basalt?). Very low potassium (0.02%) and anomalous for Pt - Pd - Rh.

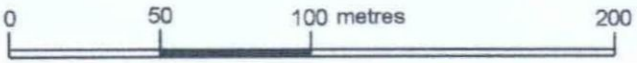
N618906 from 323.7 metres (= 1062 feet) in diabase

The samples N61899 to N618905 all carry higher levels of chromium and vanadium as compared to the values for the upper part of the hole. As there are anomalous Pt - Pd - Rh values in an epidote-bearing sample N618904, the epidotized section, especially at the bottom of DDH WZ-98-02, should be assayed for the three elements. The anomalous sequence in the hole carries only small amounts of potassium; it may be from rock that is quite near the contact with the Matachewan Dyke. The alteration at the contact between the feldspar porphyry and the basalt near the top of the hole is more likely related to intrusion. Recall that there is also tuff associated with the porphyry.



In grammes per tonne

	Pt	Pd	Rh
N618894	----	----	----
N618895	----	----	----
N618896	< 0.14	< 0.14	< 0.06
N618897	----	----	----
N618898	----	----	----
N618899	< 0.07	< 0.07	< 0.03
N618900	< 0.07	< 0.07	< 0.03
N618901	< 0.07	< 0.07	< 0.03
N618902	< 0.14	< 0.14	< 0.06
N618903	< 0.07	< 0.07	< 0.03
N618904	< 0.14	< 0.14	< 0.06
N618905	< 0.14	< 0.14	< 0.06
N618906	----	----	----



WILZEL RESOURCES LTD.

COOK TOWNSHIP, ONTARIO 42A/8

Drill Section BC87-01

16+00S @ 19+07E

Claim L 884189

R. Ken Germundson September, 1999

GEOPHYSICS

The alternating iron-rich and iron-poor basalts that underlie most of Cook Township are defined by the alternating low air magnetic and high air magnetic susceptibility trends (see: Regional and Property Compilations and photocopy of airborne survey). The magnetic configuration is typical of the Kinojevis Group. A mafic intrusive stock is likely present in subcrop under the common corner of Cook, Playfair, Hislop and Guibord Townships. Fingers of high magnetic intensity extend eastward from the intrusive into the Wilzel property. The southernmost part of Cook Township is underlain by the Blake River Group that displays little variation in magnetic mineral content.

A number of lines were surveyed by a Scintrex ground magnetometer. Readings were taken every 12.5 metres; the data is presented as profiles in the Geophysics Appendix.

Line 2+70E

The line passes north-south within 10+ metres of DDH WZ-98-01. There is major magnetic fluctuation between 18+50S and 19+00S where the northern edge of bedrock is located. Towards the north, muskeg prevails. Variable magnetic susceptibility is characteristic of the basalt between 18+00S to 22+00S. The lowest reading at 24+00S is at the fault that is noted on profile 24+00S.

Lines 00 and 3+00S

Readings along the lines were taken from 00+00 to the vicinity of 28+00E. The small blip at 8+00E on line 00 is at the fault that is shown on the Property Compilation. The air magnetic data shows a distinct change in character on either side of the fault but little variation is shown in the ground magnetic data. The sharp variation between21+00E and 22+00E is felt to be part of a zone of high magnetism that is also portrayed broadly on line 3+00S.

The sharp magnetic response on line 3+00S between 4+50E and 5+50E is felt to represent a build up of magnetite at a fault contact. This would be approximately the proper position of the Ross Mine Fault. No corresponding response has been noted on line 00+00.

Line 16+00S

The sharp magnetic variation at 17+50E represents the faulting (Ross Mine Fault) that crosses the property. Immediately to the east of the fault, the feldspar porphyry is present. The porphyry may terminate against the fault but extends southeastward beyond the limits of the claims.

Lines 58+00E, 62+00E, 66+00E, 74+00E and 78+00E

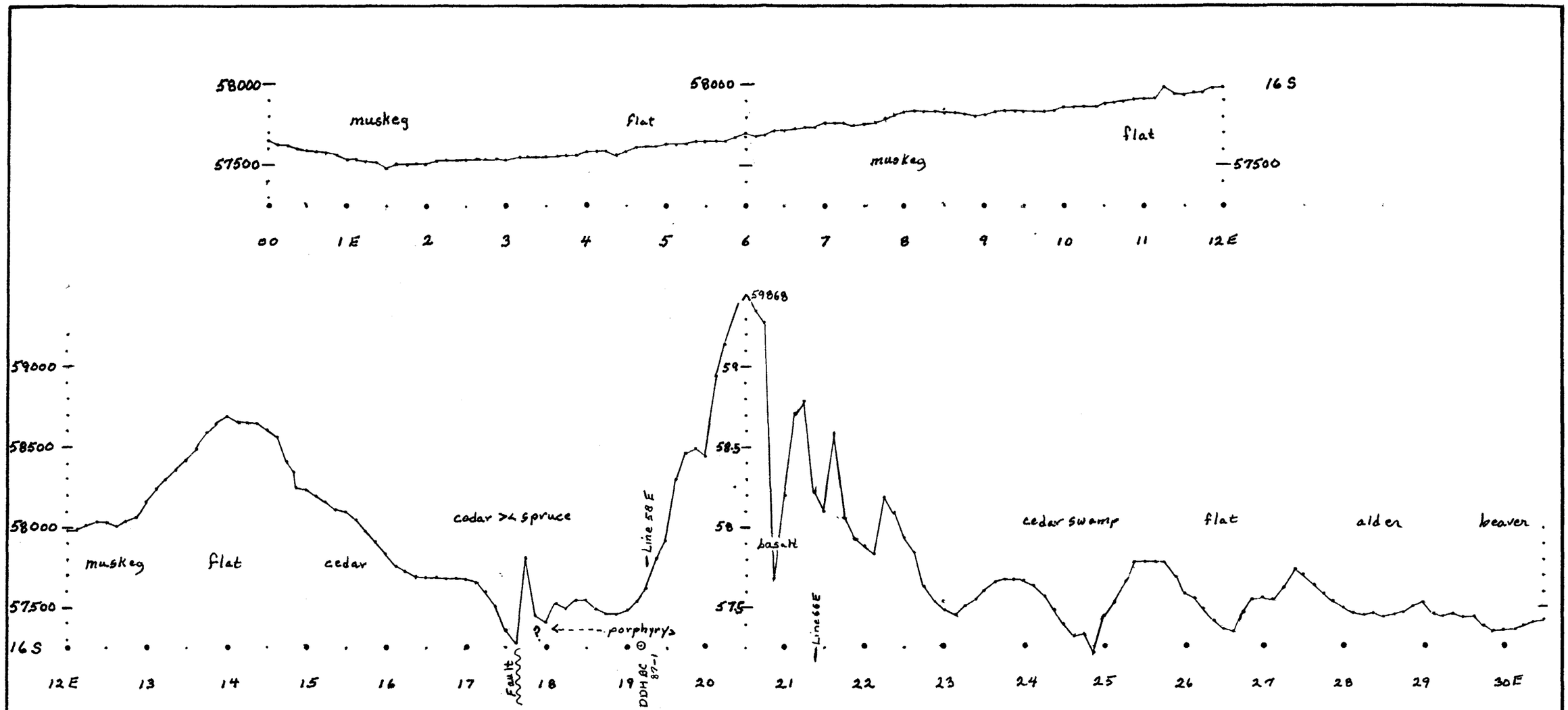
These five lines are oriented north-south. They were successfully run by ground magnetic survey in order to trace the feldspar porphyry in particular. A weak induced polarization anomaly is associated with the contact area of the dyke on line 62+00E. The magnetic positioning of the porphyry matches the log from DDH BC87-01 on line 58+00E (Imperial measure), which is 19+20E (metric).

Line 24+00S

The sharp magnetic variation at 2+70E may represent a fault. If so, and if the structure is parallel to the one that was intersected in DDH's WZ-98-01 and WZ 98-02, it would represent a bona-fide drill target. Neither of the '98 drill holes reached this far south.

Lines 27+00S and 30+00S

No distinct structural features are noted. The Hislop Fault crosses line 27+00S at 12+75W.



Wolzel Resources
Cook Twp.
Magnetic Profile
1600 S
in nanoTeslas

R. Ken Germundson
September, 1987

24S + 30 S

58000
57500
57000
59000
58500
58000
57500

nt

nt

muskeg

v gentle up →

Top of low hill

muskeg

Spike 919

Checked

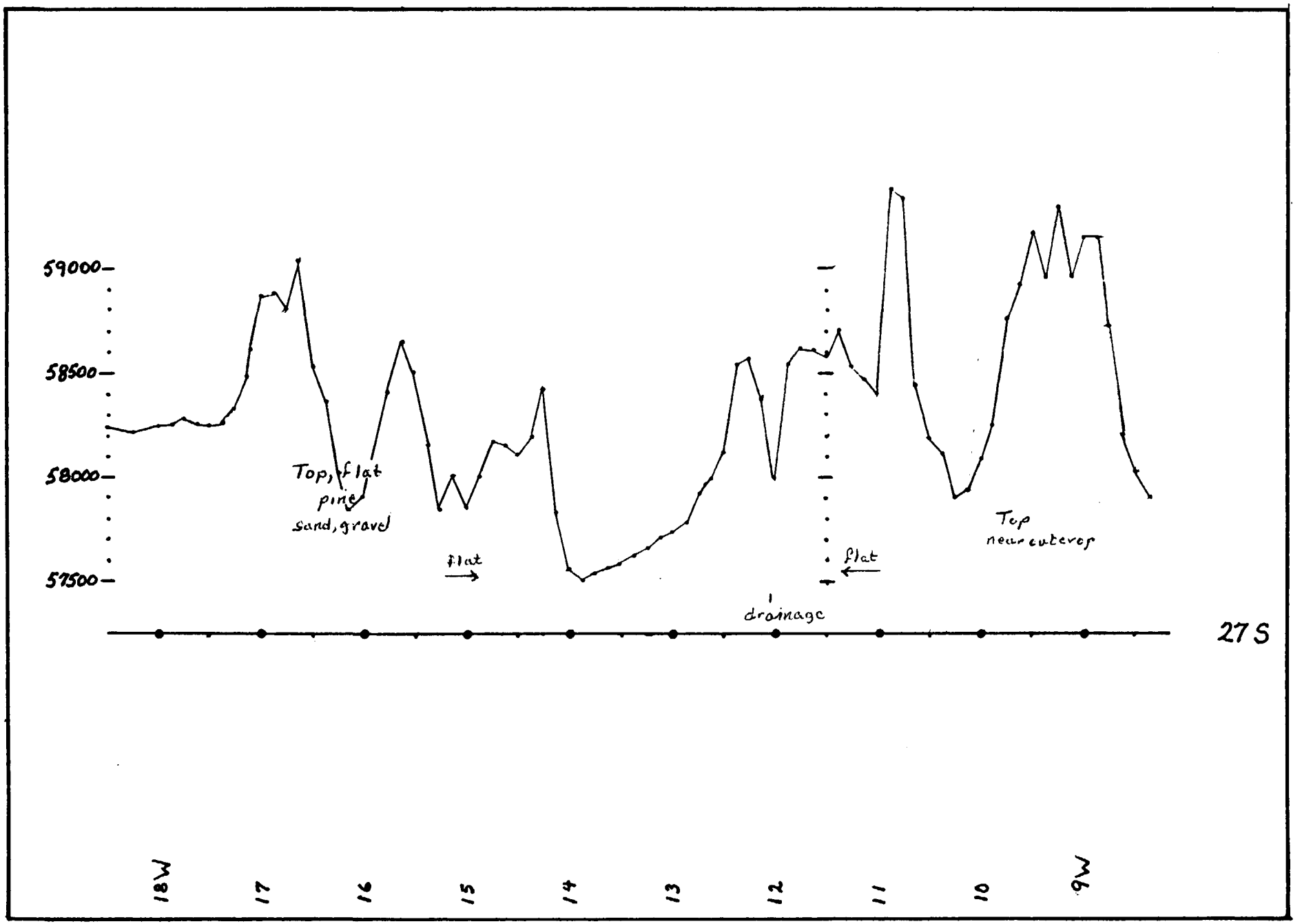
Lava Mtn

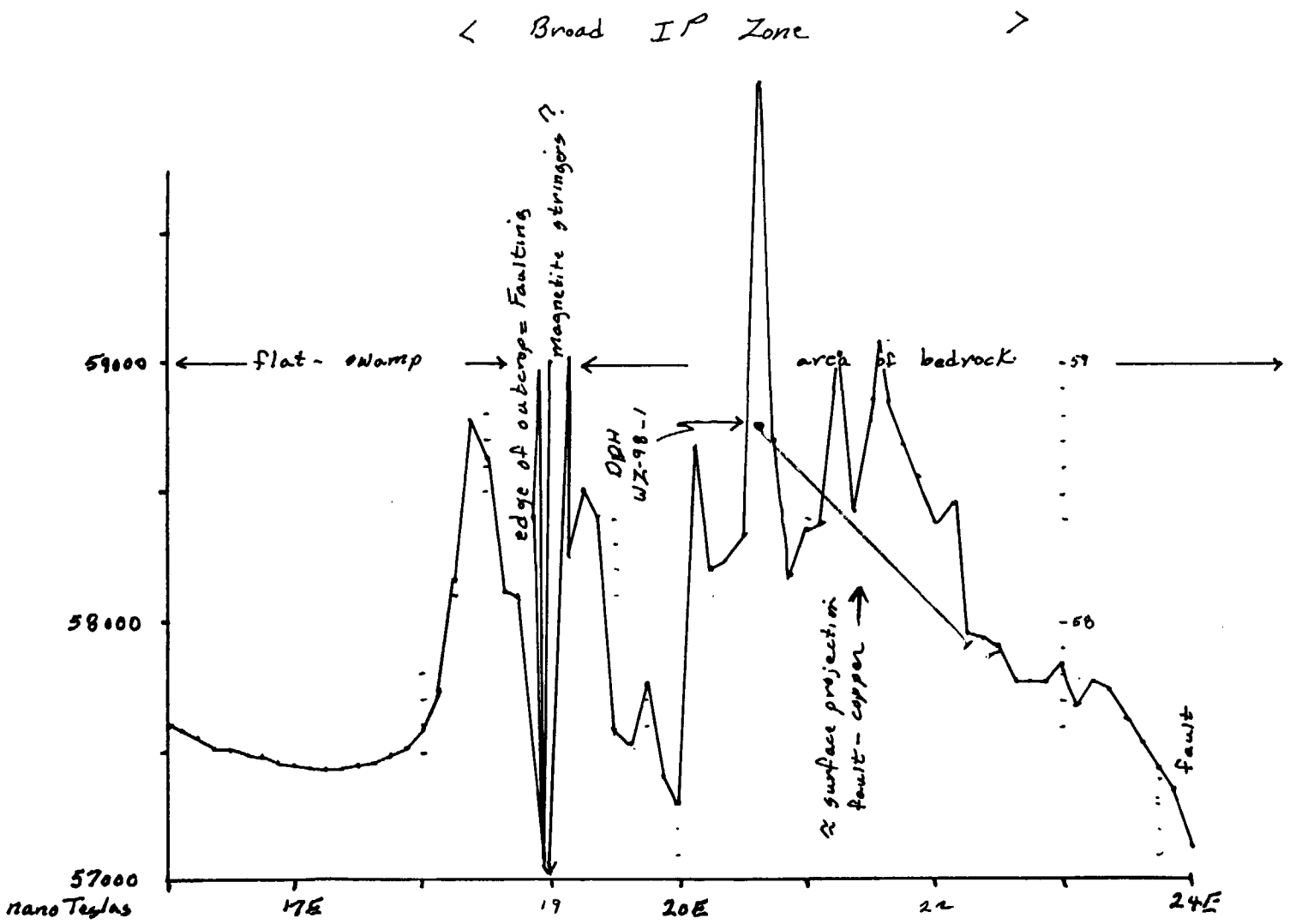
→ Bed rock →

24S

30S

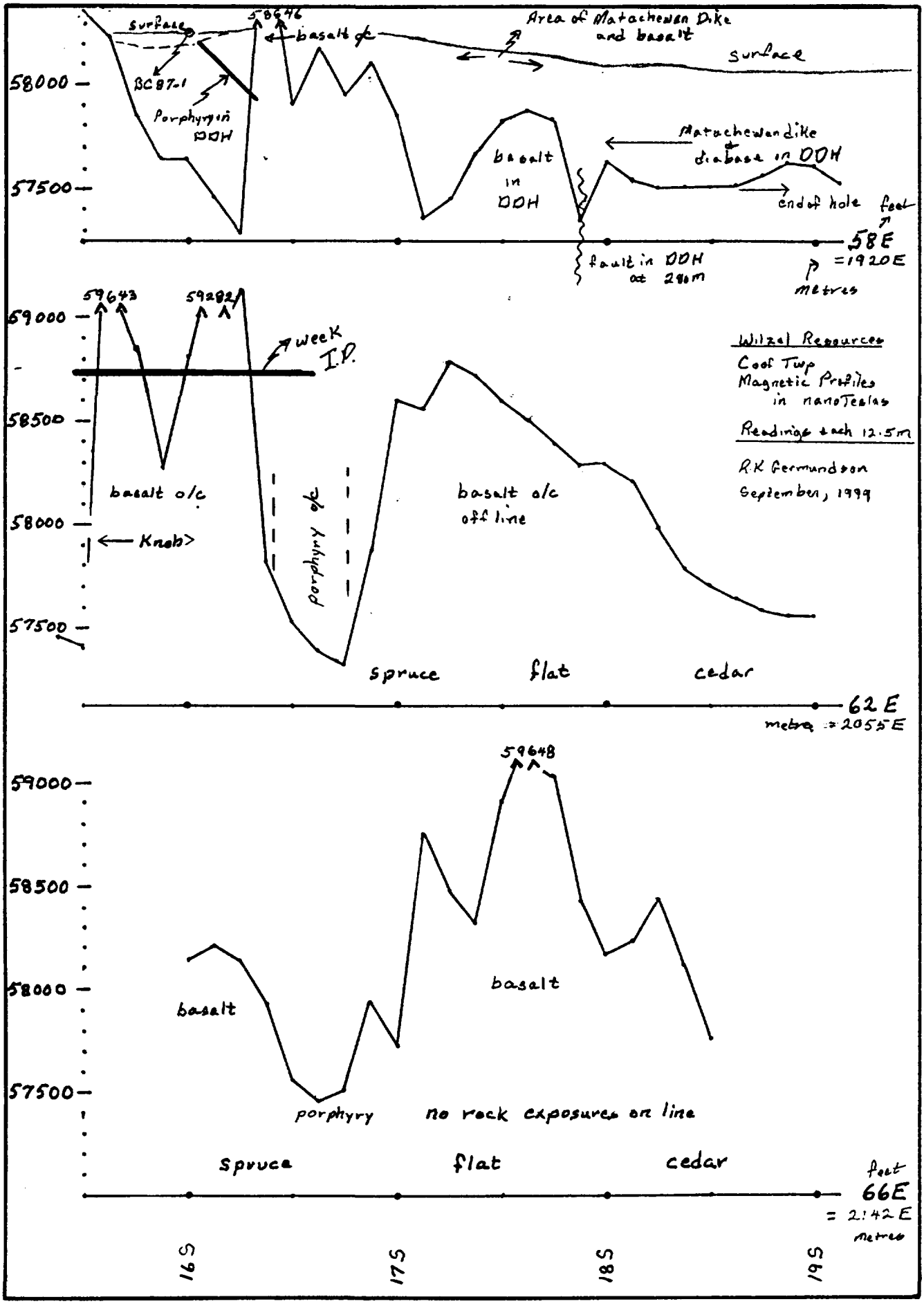
10W 9 8 7 6 5 4 3 2 1W 00 1E 2 3 4 5 6 7 8 9E

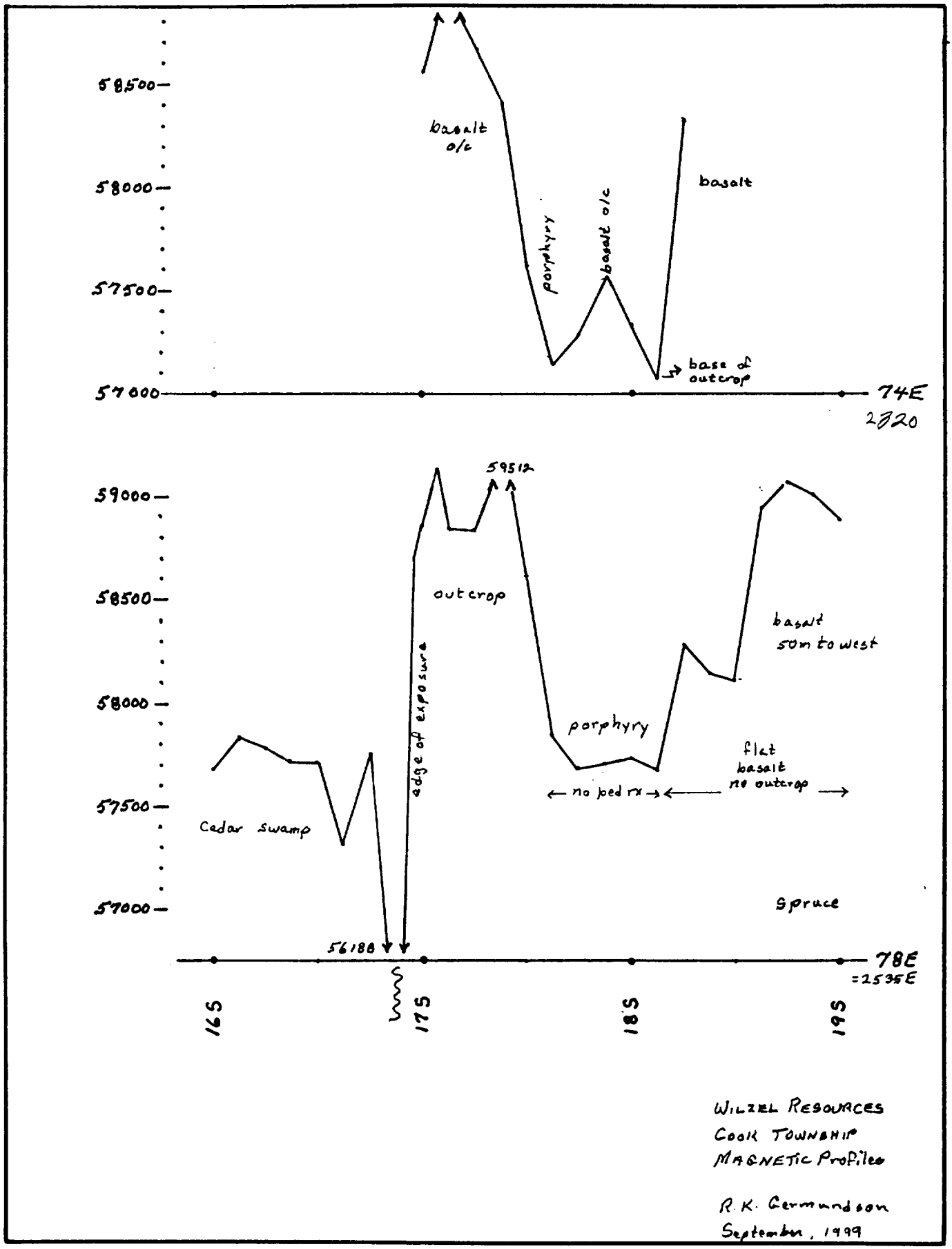

59000
58500
58000
57500
Top, flat
pine
sand, gravel
flat
flat
drainage
Top
near cutbeyer
27 S
18W
17
16
15
14
13
12
11
10
9W



2+70E (metric)

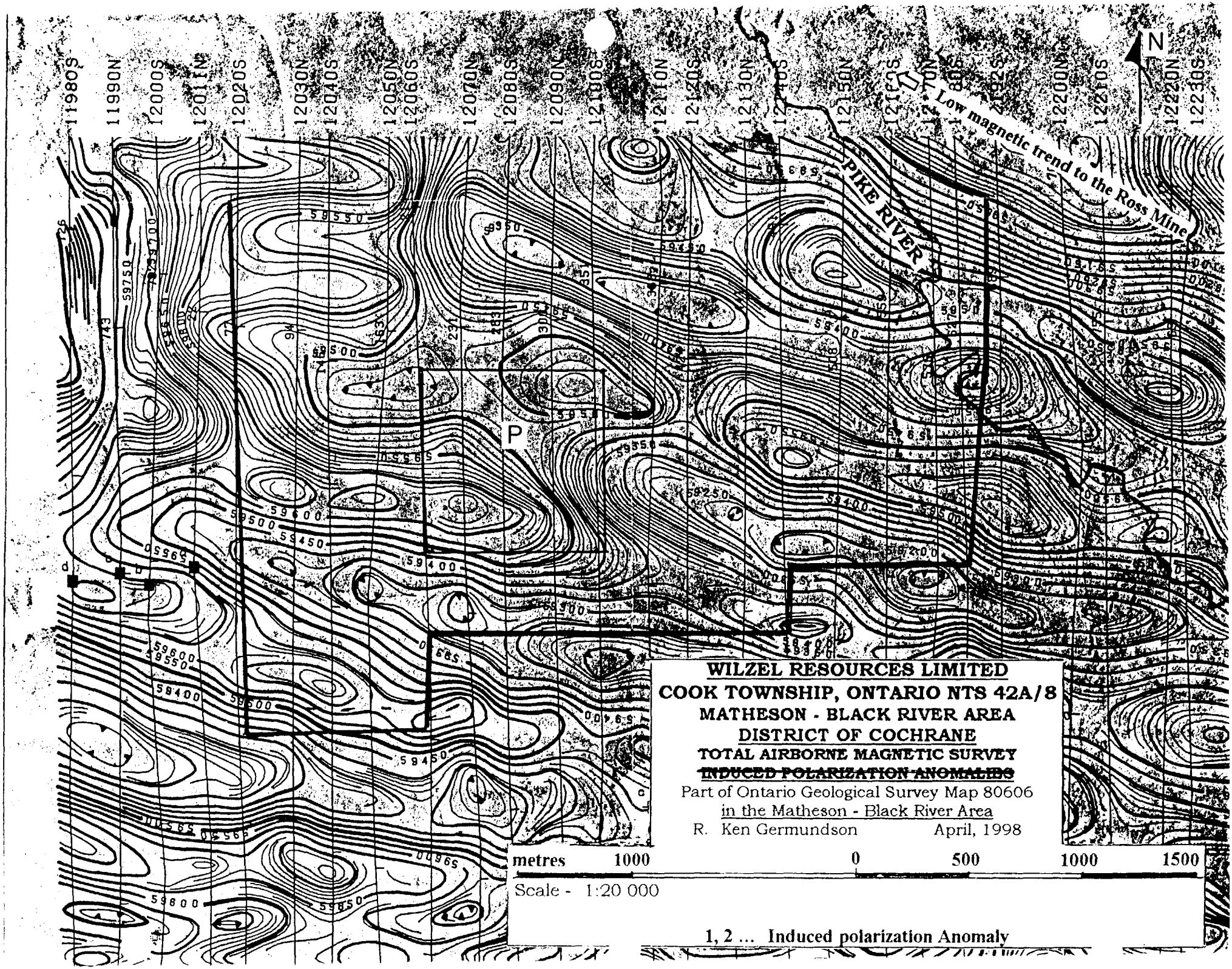
Wilzel - Cook.


58646
surface
basalt o/c
Area of Matachewan Dike and basalt
surface
BC87-1
Porphyry in DDH
58000
57500
basalt in DDH
Matachewan dike
diabase in DDH
end of hole
feet
58E
=1920E
metres
fault in DDH at 280m
59643
59282
59000
week I.D.
58500
basalt o/c
Knob
58000
57500
porphyry o/c
basalt o/c off line
spruce
flat
cedar
62E
metres
=2055E
Wilzal Resources
Coof Twp
Magnetic Profiles
in nanoTeslas
Readings each 12.5m
R.K Germundson
September, 1999
59648
59000
58500
58000
57500
basalt
basalt
porphyry
no rock exposures on line
spruce
flat
cedar
feet
66E
= 2142E
metres
16S
17S
18S
19S



WILZEL RESOURCES
COOK TOWNSHIP
MAGNETIC Profiles

R. K. Germundson
September, 1999


N
PIKE RIVER
Low magnetic trend to the Ross Mine
P
WILZEL RESOURCES LIMITED
COOK TOWNSHIP, ONTARIO NTS 42A/8
MATHESON - BLACK RIVER AREA
DISTRICT OF COCHRANE
TOTAL AIRBORNE MAGNETIC SURVEY
~~INDUCED POLARIZATION ANOMALIES~~
Part of Ontario Geological Survey Map 80606
in the Matheson - Black River Area
R. Ken Germundson April, 1998
metres 1000 0 500 1000 1500
Scale - 1:20 000
1, 2 ... Induced polarization Anomaly

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Prest, V. K: Geology of Hislop Township. Sixty Fifth Annual Report of the 1957 Ontario Department of Mines being Volume LXV, Part 5, 1956.

CERTIFICATE

I, Robert Kenneth Germundson of 110 Hyland Drive, Sudbury, Ontario P3E 1R6, do hereby declare that:

I have practiced the profession of geology for 34 years.

I am a member of The Association of Geoscientists of Ontario.

I have a BSc (Geology), 1958, and an MSc (Geology), 1960, from the University of Alberta.

I have a PhD (Geology), 1965, from the University of Missouri.

I worked on all phases the Wilzel Resources Ltd. Property in Cook Township.

I have I have gained an interest in Wilzel Resources Ltd.

Robert Kenneth Germundson

Robert Kenneth Germundson, PhD November 29, 1999

APPENDIX 1

OPAP - 1999 (OP-151)

Assays

R. Ken Germundson

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Certificate Date: 20-SEP-1999
Invoice No. : I9927620
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927620

SAMPLE	PREP CODE	Al % (ICP)	Sb ppm (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Ca % (ICP)	Ce ppm (ICP)	Cs ppm (ICP)	Cr ppm (ICP)	Co ppm (ICP)	Cu ppm (ICP)	Ga ppm (ICP)	Ge ppm (ICP)
N618851	299 --	7.06	0.2	90	0.15	0.01	0.12	5.86	4.40	0.85	312	48.8	99	14.1	1.2
N618852	299 --	8.18	0.1	30	0.10	< 0.01	0.14	5.10	4.48	0.75	273	56.2	294	16.3	1.2
N618853	299 --	7.97	0.1	40	0.15	< 0.01	0.24	6.65	4.05	0.35	279	37.8	86	15.7	1.2
N618854	299 --	8.33	0.1	20	0.15	< 0.01	0.20	8.12	4.76	0.25	390	45.2	82	18.8	1.6
N618855	299 --	7.31	0.1	20	0.15	< 0.01	0.52	5.58	4.68	0.15	355	40.0	248	15.6	1.6
N618856	299 --	8.29	< 0.1	140	0.20	< 0.01	0.10	6.09	4.76	0.60	311	44.8	99	16.0	1.1
N618857	299 --	6.01	0.2	10	0.20	< 0.01	0.76	6.07	4.33	0.15	247	35.0	87	15.4	1.6
N618858	299 --	6.27	0.1	80	0.20	< 0.01	0.08	5.69	8.81	0.60	121	42.0	127	16.5	1.4
N618859	299 --	0.74	0.3	10	0.05	< 0.01	0.08	0.70	6.43	0.10	219	3.2	3990	1.8	2.2
N618860	299 --	6.28	0.1	170	0.50	< 0.01	0.06	2.18	14.65	0.95	86	41.2	964	17.9	1.2
N618861	299 --	7.67	0.4	60	0.30	< 0.01	0.14	4.23	7.45	0.70	338	47.4	93	18.0	1.5
N618862	299 --	5.68	0.1	170	0.30	0.08	1.06	2.73	16.65	0.35	73	36.2	97	16.1	1.4
N618863	299 --	6.27	0.1	190	0.35	< 0.01	0.08	4.36	12.95	0.45	23	45.2	57	19.3	1.5
N618864	299 --	5.13	2.5	10	0.40	< 0.01	0.18	6.46	8.81	0.20	111	28.2	54	18.2	2.3
N618865	299 --	5.97	0.4	70	0.35	< 0.01	0.12	3.73	12.15	0.70	41	42.4	55	17.0	1.3
N618866	299 --	5.81	0.4	< 10	0.20	< 0.01	0.20	8.66	6.20	0.20	111	22.0	19	20.4	2.4
N618867	299 --	5.87	0.1	40	0.30	< 0.01	0.16	4.77	11.80	0.35	38	45.6	66	19.9	1.5
N618869	299 --	5.93	< 0.1	40	0.40	< 0.01	0.08	4.54	12.70	0.75	75	39.2	53	16.7	1.4
N618870	299 --	3.75	< 0.1	30	0.20	0.01	0.16	2.81	9.74	0.45	95	29.2	32	12.2	1.1
N618871	299 --	5.73	0.2	< 10	0.20	< 0.01	0.12	7.92	8.24	0.10	118	32.8	37	16.5	1.5
N618872	299 --	5.94	0.1	40	0.50	< 0.01	0.08	3.08	12.25	1.00	67	44.4	50	18.5	1.3
N618873	299 --	7.45	< 0.1	230	0.40	0.01	0.12	5.76	20.2	0.65	111	41.2	119	18.4	1.2
N618874	299 --	5.54	0.1	50	0.60	< 0.01	0.04	4.56	12.40	0.60	87	43.0	39	17.9	1.4
N618875	299 --	8.19	0.1	440	0.45	0.01	0.02	1.13	17.10	0.65	64	8.2	12	19.6	0.9
N618876	299 --	5.55	0.1	120	0.60	< 0.01	0.06	3.39	24.0	0.50	19	13.4	21	21.7	1.7
N618877	299 --	5.16	0.1	10	0.40	0.01	0.10	5.95	11.35	0.30	111	35.6	40	18.6	1.5
N618878	299 --	3.49	0.3	40	0.40	< 0.01	0.06	2.98	13.20	0.45	108	9.0	14	12.8	2.5
N618879	299 --	5.20	0.4	80	0.50	< 0.01	0.06	3.32	24.5	0.45	26	12.8	6	20.2	1.5
N618880	299 --	5.44	0.4	80	0.50	< 0.01	0.02	1.95	25.8	0.40	34	12.6	2	20.5	1.6
N618881	299 --	5.99	0.7	220	0.85	0.03	0.02	4.58	18.75	0.65	58	22.2	19	23.4	3.1
N618882	299 --	8.26	0.1	310	0.65	0.06	0.06	0.78	16.30	1.30	62	5.4	3	20.0	1.1
N618883	299 --	8.17	0.1	240	0.55	0.01	0.06	0.76	16.30	0.80	78	8.6	6	20.3	0.9
N618884	299 --	8.50	0.4	280	0.60	0.08	< 0.02	1.23	19.55	1.20	88	6.2	4	18.3	1.3
N618885	299 --	10.10	0.8	680	0.75	0.01	0.02	0.32	25.6	2.00	61	5.4	16	24.3	1.7
N618886	299 --	4.69	0.1	60	0.45	< 0.01	0.10	2.50	26.3	0.55	77	12.2	5	20.1	1.6
N618887	299 --	6.50	0.1	290	0.55	0.01	0.22	5.63	23.1	0.55	80	43.2	147	18.3	1.3
N618888	299 --	7.74	< 0.1	90	0.45	0.01	0.08	1.36	17.45	0.15	67	11.6	8	18.7	0.6
N618889	299 --	6.62	0.1	60	0.40	0.01	0.08	4.64	15.20	0.70	94	43.8	36	19.0	1.5
N618890	299 --	6.02	0.5	180	0.50	0.01	0.06	4.93	23.7	0.70	36	19.4	< 1	20.5	1.8
N618891	299 --	6.02	0.3	130	0.25	< 0.01	0.08	4.69	10.95	0.95	40	44.2	44	17.6	1.4

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Page Number :2-A
Total Pages :2
Certificate Date: 20-SEP-1999
Invoice No. :I9927620
P.O. Number :OP 99-151
Account :RIO

CERTIFICATE OF ANALYSIS A9927620

SAMPLE	PREP CODE		Al % (ICP)	Sb ppm (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Ca % (ICP)	Ce ppm (ICP)	Cs ppm (ICP)	Cr ppm (ICP)	Co ppm (ICP)	Cu ppm (ICP)	Ga ppm (ICP)	Ge ppm (ICP)
N618892	299	--	7.02	0.3	100	0.40	0.01	0.12	6.32	17.30	0.25	158	38.4	109	18.2	1.5
N618893	299	--	8.90	0.6	560	0.80	0.01	0.02	0.15	14.30	2.10	64	4.0	2	21.1	2.8
N618907	299	--	6.93	0.2	90	0.35	< 0.01	0.08	4.55	11.35	0.40	82	40.2	58	19.1	1.4
N618908	299	--	6.30	0.1	80	0.35	< 0.01	0.06	3.76	8.73	0.50	155	41.2	81	15.9	1.0
N618909	299	--	5.76	0.2	70	0.35	< 0.01	0.06	4.89	10.80	0.50	50	39.8	62	17.4	1.5
N618911	299	--	6.25	0.1	440	0.60	< 0.01	0.04	3.34	21.5	0.70	24	25.0	15	21.3	1.3
N618912	299	--	5.42	0.1	520	0.35	< 0.01	0.04	3.07	19.00	0.90	43	23.0	12	18.4	1.3
N618913	299	--	5.60	0.4	270	0.40	< 0.01	0.08	3.45	18.90	1.90	24	23.0	15	19.0	1.5
N618914	299	--	5.89	< 0.1	50	0.50	< 0.01	0.08	2.81	19.55	0.75	26	24.2	17	20.3	1.5
N618915	299	--	6.25	0.1	90	0.35	0.14	0.12	2.79	11.30	0.75	68	38.8	53	18.4	1.2
N618916	299	--	6.80	0.1	140	0.25	< 0.01	0.08	3.90	14.80	0.60	74	31.2	48	18.3	1.3
N618917	299	--	7.51	0.4	70	0.35	0.01	0.10	5.64	13.80	0.45	243	47.4	109	16.4	1.2
N618920	299	--	2.77	< 0.1	< 10	0.05	< 0.01	0.08	5.83	2.36	0.05	198	4.6	10	9.9	1.3

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110 HYLAND DR.
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Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Page Number : 1-A
Total Pages : 1
Certificate Date: 20-SEP-1999
Invoice No. : I9927621
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927621

SAMPLE	PREP CODE		Al % (ICP)	Sb ppm (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Ca % (ICP)	Ce ppm (ICP)	Cs ppm (ICP)	Cr ppm (ICP)	Co ppm (ICP)	Cu ppm (ICP)	Ga ppm (ICP)	Ge ppm (ICP)
N618894	299	--	7.51	0.1	260	0.60	0.01	0.02	1.45	16.05	0.60	90	8.0	21	19.7	0.7
N618895	299	--	7.50	0.1	330	0.65	0.01	0.06	2.33	17.65	0.50	77	8.6	22	18.8	0.7
N618896	299	--	8.47	0.4	630	0.70	< 0.01	0.02	2.13	23.6	1.45	54	9.0	30	21.6	1.6
N618897	299	--	5.47	0.3	140	0.65	< 0.01	0.02	4.84	19.80	0.35	25	19.4	12	20.1	1.3
N618898	299	--	5.31	0.1	90	0.50	< 0.01	0.06	4.87	24.0	0.40	34	20.2	17	20.7	1.5
N618899	299	--	5.53	0.3	70	0.25	< 0.01	0.04	6.75	9.64	0.40	45	45.6	45	16.3	1.3
N618900	299	--	5.71	< 0.1	30	0.65	< 0.01	0.08	3.39	21.2	0.35	56	23.4	7	21.3	1.3
N618901	299	--	5.72	0.1	10	0.20	< 0.01	0.02	7.61	6.92	0.35	133	40.0	102	14.1	0.8
N618902	299	--	6.31	0.2	10	0.20	< 0.01	0.02	6.29	8.31	0.35	148	39.4	97	14.7	1.1
N618903	299	--	6.42	0.3	10	0.20	< 0.01	0.08	8.54	8.11	0.30	186	37.8	110	17.1	2.0
N618904	299	--	6.69	0.3	10	0.30	< 0.01	0.04	7.10	8.10	0.30	165	39.6	109	16.1	1.5
N618905	299	--	6.84	0.1	70	0.15	< 0.01	0.06	5.15	3.80	0.85	250	47.2	89	14.2	1.1
N618906	299	--	6.72	0.1	30	0.50	0.01	0.18	4.39	21.7	0.90	127	43.8	184	16.0	1.0

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To: GERMUNDSON, KEN

110 HYLAND DR.
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Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Certificate Date: 20-SEP-1999
Invoice No. : I9927620
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927620

SAMPLE	PREP CODE		Fe % (ICP)	La ppm (ICP)	Pb ppm (ICP)	Li ppm (ICP)	Mg % (ICP)	Mn ppm (ICP)	Mo ppm (ICP)	Ni ppm (ICP)	Nb ppm (ICP)	P ppm (ICP)	K % (ICP)	Rb ppm (ICP)	Ag ppm (ICP)	Na % (ICP)
N618851	299	--	7.62	1.5	2.0	31.8	4.62	1290	0.2	167.0	1.2	170	0.56	20.0	0.15	1.49
N618852	299	--	7.75	1.5	4.0	48.4	4.46	1090	0.2	122.0	1.4	180	0.15	5.0	0.20	1.53
N618853	299	--	6.71	1.5	3.0	29.0	3.86	1295	0.2	107.0	1.4	200	0.04	0.6	0.15	2.63
N618854	299	--	7.82	2.0	4.5	30.2	3.83	1225	0.4	136.0	1.4	200	0.01	0.6	0.20	1.27
N618855	299	--	6.88	1.5	16.0	19.0	3.53	1525	< 0.2	83.8	1.4	210	0.05	1.0	0.15	3.12
N618856	299	--	7.45	1.5	2.5	30.2	4.02	1315	< 0.2	109.0	1.2	200	0.65	20.6	0.10	1.79
N618857	299	--	7.09	1.5	4.5	21.2	3.34	1255	0.2	69.8	1.2	190	0.01	0.8	0.10	0.75
N618858	299	--	8.23	3.0	1.5	26.0	3.83	1205	0.2	51.0	2.2	230	0.45	14.4	0.20	1.33
N618859	299	--	1.80	3.0	3.0	22.4	0.35	275	2.2	6.8	0.2	130	0.10	1.6	0.30	0.22
N618860	299	--	9.19	6.0	2.0	43.2	4.13	1205	0.4	49.8	3.0	580	1.21	21.0	0.25	1.18
N618861	299	--	8.28	3.0	6.0	43.2	5.03	1565	0.2	110.0	2.0	220	0.18	4.2	0.20	1.71
N618862	299	--	6.67	6.5	15.0	31.0	2.10	950	1.2	48.2	4.0	840	0.42	9.0	0.50	2.07
N618863	299	--	9.72	4.5	5.5	21.0	3.01	1995	0.4	38.4	3.8	1080	0.19	6.4	0.30	1.95
N618864	299	--	7.36	3.0	11.5	9.6	1.47	1365	2.0	35.6	2.4	690	0.07	2.8	0.20	1.04
N618865	299	--	9.80	4.0	3.5	16.6	2.25	1545	0.2	48.2	3.6	1030	0.15	6.0	0.25	2.47
N618866	299	--	7.66	2.5	4.0	5.2	1.13	1120	1.8	26.4	1.8	550	< 0.01	1.6	0.20	< 0.01
N618867	299	--	9.12	4.5	2.5	16.8	2.62	1485	0.2	50.0	3.6	1020	0.07	1.4	0.30	2.20
N618869	299	--	10.55	4.5	9.0	18.6	2.34	1990	0.4	53.2	3.6	970	0.09	2.8	0.30	1.83
N618870	299	--	5.89	3.5	7.0	14.2	1.35	1180	1.4	36.0	2.8	700	0.11	4.4	0.20	1.13
N618871	299	--	8.02	3.0	2.5	21.4	2.61	1225	0.6	55.4	2.4	770	< 0.01	0.4	0.20	0.07
N618872	299	--	9.50	5.0	5.5	39.0	3.50	1645	0.2	54.2	3.8	1230	0.07	1.2	0.30	1.60
N618873	299	--	8.10	8.5	3.5	17.8	2.85	1320	0.6	62.3	5.0	480	1.45	49.0	0.40	1.69
N618874	299	--	9.50	4.5	2.0	21.6	3.09	1575	1.0	56.6	3.8	970	0.12	2.8	0.25	2.59
N618875	299	--	1.79	8.0	3.0	20.0	0.93	290	0.6	25.6	3.2	490	1.55	32.4	0.20	4.29
N618876	299	--	8.19	8.5	1.5	30.6	0.75	990	0.6	4.4	7.8	2340	0.85	30.6	0.35	0.23
N618877	299	--	8.13	4.0	4.5	16.0	1.65	1030	1.2	37.2	3.2	590	0.04	1.6	0.25	0.56
N618878	299	--	5.17	4.5	1.5	21.6	0.54	845	2.4	4.6	4.6	1590	0.52	15.6	0.25	0.11
N618879	299	--	9.21	9.0	2.0	40.2	0.90	1105	0.6	3.2	7.4	2200	0.60	21.4	0.30	0.15
N618880	299	--	8.21	9.5	1.5	40.8	1.33	1320	0.8	2.4	7.8	2310	0.33	7.0	0.45	1.44
N618881	299	--	7.93	8.0	21.5	33.0	2.16	1810	1.2	16.8	4.2	1240	0.83	22.8	0.35	1.23
N618882	299	--	1.54	7.5	2.0	5.8	0.22	210	1.2	19.8	3.0	470	2.09	54.2	0.20	3.42
N618883	299	--	1.83	7.0	3.5	5.6	0.42	280	0.8	25.4	2.4	510	1.66	34.0	0.20	4.26
N618884	299	--	2.10	9.0	1.5	17.4	0.82	410	1.6	16.0	2.8	520	1.60	44.2	0.20	3.94
N618885	299	--	1.34	11.0	2.0	5.4	0.31	100	0.8	23.6	3.4	610	3.83	114.5	0.20	1.95
N618886	299	--	7.82	9.0	3.0	12.2	0.93	1340	2.2	2.6	7.4	2040	0.08	3.8	0.35	1.14
N618887	299	--	9.41	10.5	4.0	20.2	2.73	1520	0.8	54.8	5.8	580	0.73	21.2	0.35	1.77
N618888	299	--	1.87	8.0	4.0	11.2	0.75	335	1.6	25.0	3.4	500	0.19	1.2	0.20	6.24
N618889	299	--	8.66	6.0	4.5	15.0	2.91	1685	1.0	55.4	4.0	1130	0.12	3.4	0.30	2.89
N618890	299	--	8.12	7.5	1.5	45.0	0.76	825	1.2	7.8	6.2	2300	1.21	43.2	0.35	0.73
N618891	299	--	10.80	4.0	5.0	21.0	3.05	1745	0.6	44.0	3.2	890	0.11	5.4	0.25	2.31

CERTIFICATION:

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N618892	299	--	8.03	8.0	5.5	27.4	3.07	1335	0.6	89.1	4.4	480	0.19	4.8	0.30	2.54
N618893	299	--	1.45	6.5	2.0	7.6	0.20	160	0.6	15.0	2.8	460	3.23	97.8	0.20	0.72
N618907	299	--	9.25	4.0	2.0	22.4	2.92	1415	0.6	51.8	3.2	620	0.25	5.2	0.20	2.00
N618908	299	--	8.17	3.0	1.5	36.6	3.63	1260	0.2	83.3	2.4	430	0.25	4.2	0.20	2.30
N618909	299	--	9.81	4.0	2.5	21.8	2.88	1360	0.6	43.0	3.2	640	0.32	6.6	0.25	1.40
N618911	299	--	10.00	8.0	3.0	25.0	1.89	1675	0.6	10.8	6.2	1930	1.21	37.4	0.45	0.89
N618912	299	--	8.35	6.5	2.0	25.4	1.56	1290	1.4	10.2	5.6	1720	1.43	48.0	0.35	0.82
N618913	299	--	9.26	7.0	3.0	23.4	1.45	1820	0.6	10.8	5.4	1660	1.10	58.2	0.30	0.72
N618914	299	--	9.29	6.5	2.5	14.2	1.80	1335	0.8	10.2	6.0	1890	0.05	2.6	0.45	2.57
N618915	299	--	9.66	4.0	4.5	21.6	2.70	1570	0.2	49.4	3.4	1070	0.09	2.4	0.25	2.37
N618916	299	--	8.75	5.5	2.5	27.4	2.90	1425	0.6	33.0	4.4	1030	0.41	9.6	0.30	2.37
N618917	299	--	7.77	6.0	2.5	24.4	3.61	1505	0.6	117.0	3.6	350	0.26	7.4	0.25	2.12
N618920	299	--	2.74	0.5	1.0	1.8	0.15	465	4.6	12.0	0.6	170	< 0.01	0.6	0.05	0.02

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Page Number :1-B
Total Pages :1
Certificate Date: 20-SEP-1999
Invoice No. :I9927621
P.O. Number :OP 99-151
Account :RIO

CERTIFICATE OF ANALYSIS A9927621

SAMPLE	PREP CODE		Fe % (ICP)	La ppm (ICP)	Pb ppm (ICP)	Li ppm (ICP)	Mg % (ICP)	Mn ppm (ICP)	Mo ppm (ICP)	Ni ppm (ICP)	Nb ppm (ICP)	P ppm (ICP)	K % (ICP)	Rb ppm (ICP)	Ag ppm (ICP)	Na % (ICP)
N618894	299	--	1.59	7.0	2.5	5.4	0.62	250	0.2	37.2	2.8	460	1.45	20.0	0.15	4.74
N618895	299	--	1.73	7.5	4.0	6.6	0.86	375	0.2	28.8	2.6	450	1.33	18.4	0.20	4.69
N618896	299	--	2.04	10.5	2.0	17.0	0.63	340	0.2	32.4	3.0	470	3.24	75.4	0.20	0.83
N618897	299	--	8.29	7.0	0.5	35.0	1.19	1160	0.2	7.2	6.0	1870	0.80	19.2	0.35	0.65
N618898	299	--	7.67	8.5	1.0	37.6	1.02	1060	0.2	12.2	6.4	1930	0.84	18.2	0.40	0.40
N618899	299	--	8.69	3.5	4.0	47.4	2.07	1120	< 0.2	69.8	2.8	540	0.94	18.6	0.15	< 0.01
N618900	299	--	9.18	7.5	0.5	46.6	1.68	1635	0.6	5.2	6.4	1240	0.07	0.4	0.35	2.21
N618901	299	--	7.70	2.5	0.5	21.4	2.93	1330	< 0.2	67.3	2.0	250	0.02	< 0.2	0.05	1.93
N618902	299	--	6.85	3.0	8.5	30.6	2.65	1095	< 0.2	71.3	2.0	270	0.05	1.2	0.15	2.46
N618903	299	--	7.07	3.0	34.5	13.6	2.91	1320	0.2	69.7	2.0	270	0.06	1.2	0.20	1.48
N618904	299	--	7.47	3.0	3.5	13.0	2.86	1370	< 0.2	72.2	2.2	270	0.02	0.4	0.15	2.34
N618905	299	--	7.12	1.5	2.0	20.6	4.71	1325	< 0.2	133.5	1.0	140	0.28	5.2	0.05	2.37
N618906	299	--	7.84	9.5	5.5	12.2	3.26	1310	0.2	68.0	5.2	420	0.09	1.4	0.40	3.68

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Certificate Date: 20-SEP-1999
Invoice No. :19927620
P.O. Number :OP 99-151
Account :RIO

CERTIFICATE OF ANALYSIS A9927620

SAMPLE	PREP CODE		Sr ppm (ICP)	Ta ppm (ICP)	Te ppm (ICP)	Tl ppm (ICP)	Th ppm (ICP)	Ti % (ICP)	W ppm (ICP)	U ppm (ICP)	V ppm (ICP)	Y ppm (ICP)	Zn ppm (ICP)			
N618851	299	--	69.7	0.05	0.05	0.06	< 0.2	0.52	0.1	< 0.2	274	12.0	70			
N618852	299	--	141.0	0.05	< 0.05	0.02	< 0.2	0.51	0.1	< 0.2	288	12.7	70			
N618853	299	--	164.0	0.05	0.05	< 0.02	< 0.2	0.49	0.1	< 0.2	279	11.5	76			
N618854	299	--	272	0.05	0.05	< 0.02	< 0.2	0.58	0.1	< 0.2	338	15.0	82			
N618855	299	--	145.0	0.05	0.05	< 0.02	< 0.2	0.55	< 0.1	< 0.2	309	12.8	96			
N618856	299	--	170.5	0.05	0.05	0.08	< 0.2	0.53	< 0.1	< 0.2	299	13.1	68			
N618857	299	--	212	0.05	0.05	< 0.02	< 0.2	0.54	0.1	< 0.2	303	13.2	90			
N618858	299	--	123.0	0.10	0.05	0.04	< 0.2	0.64	< 0.1	< 0.2	342	21.0	74			
N618859	299	--	5.6	< 0.05	< 0.05	< 0.02	< 0.2	0.09	0.1	< 0.2	36	4.1	6			
N618860	299	--	60.7	0.15	< 0.05	0.08	0.2	1.12	0.1	< 0.2	423	26.6	94			
N618861	299	--	224	0.10	0.05	0.02	< 0.2	0.56	< 0.1	< 0.2	316	19.5	136			
N618862	299	--	33.8	0.20	0.10	0.24	1.4	0.99	0.2	0.2	317	23.0	400			
N618863	299	--	127.5	0.20	< 0.05	0.04	0.2	1.44	< 0.1	< 0.2	470	32.1	110			
N618864	299	--	538	0.10	0.05	< 0.02	< 0.2	0.97	0.1	< 0.2	407	21.8	62			
N618865	299	--	84.4	0.20	< 0.05	0.02	< 0.2	1.42	< 0.1	< 0.2	496	30.1	96			
N618866	299	--	951	0.05	< 0.05	< 0.02	< 0.2	0.78	0.1	< 0.2	416	16.7	38			
N618867	299	--	74.4	0.20	0.05	< 0.02	< 0.2	1.39	0.1	< 0.2	494	29.6	92			
N618869	299	--	78.8	0.20	0.05	0.02	0.2	1.37	< 0.1	< 0.2	454	28.0	112			
N618870	299	--	36.8	0.15	0.05	0.02	< 0.2	0.96	0.1	< 0.2	281	21.3	74			
N618871	299	--	397	0.10	< 0.05	< 0.02	< 0.2	1.02	< 0.1	< 0.2	349	19.7	68			
N618872	299	--	75.3	0.20	0.05	< 0.02	< 0.2	1.54	0.1	< 0.2	454	27.4	154			
N618873	299	--	152.0	0.25	< 0.05	0.26	1.6	0.69	0.1	0.2	280	23.2	88			
N618874	299	--	92.8	0.20	< 0.05	0.02	0.2	1.41	0.1	< 0.2	460	31.1	106			
N618875	299	--	130.5	0.15	< 0.05	0.16	1.6	0.22	0.1	0.4	55	4.2	40			
N618876	299	--	61.3	0.40	< 0.05	0.08	0.6	0.85	0.1	< 0.2	37	28.9	82			
N618877	299	--	254	0.15	0.05	< 0.02	0.2	1.09	< 0.1	< 0.2	394	25.3	70			
N618878	299	--	37.6	0.20	< 0.05	0.06	0.2	0.50	0.7	< 0.2	18	21.7	54			
N618879	299	--	161.0	0.35	0.05	0.08	0.6	0.80	0.1	< 0.2	23	25.0	86			
N618880	299	--	102.0	0.40	< 0.05	0.02	0.6	0.84	0.3	< 0.2	25	55.8	102			
N618881	299	--	198.5	0.20	< 0.05	0.08	0.8	0.58	1.1	0.2	80	29.9	114			
N618882	299	--	110.0	0.15	< 0.05	0.20	1.8	0.20	0.1	0.4	56	3.8	20			
N618883	299	--	103.5	0.10	< 0.05	0.16	1.6	0.16	< 0.1	0.2	51	3.4	42			
N618884	299	--	112.5	0.15	< 0.05	0.18	1.8	0.20	0.2	0.6	55	4.4	30			
N618885	299	--	36.4	0.15	< 0.05	0.36	2.2	0.23	0.2	0.6	64	4.7	28			
N618886	299	--	205	0.35	0.05	< 0.02	0.6	0.74	0.5	< 0.2	21	55.3	92			
N618887	299	--	132.5	0.30	< 0.05	0.12	2.0	0.81	0.1	0.4	330	28.6	102			
N618888	299	--	151.5	0.15	0.05	0.02	1.4	0.22	0.2	0.4	53	4.2	30			
N618889	299	--	132.0	0.20	< 0.05	0.02	0.6	1.45	0.1	< 0.2	454	33.1	110			
N618890	299	--	71.0	0.30	< 0.05	0.12	0.6	1.15	0.1	< 0.2	99	30.1	76			
N618891	299	--	161.0	0.15	< 0.05	0.02	0.2	1.58	< 0.1	< 0.2	602	26.1	98			

CERTIFICATION:

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5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Certificate Date: 20-SEP-1999
Invoice No. :I9927620
P.O. Number :OP 99-151
Account :RIO

CERTIFICATE OF ANALYSIS A9927620

SAMPLE	PREP CODE		Sr ppm (ICP)	Ta ppm (ICP)	Te ppm (ICP)	Tl ppm (ICP)	Th ppm (ICP)	Ti % (ICP)	W ppm (ICP)	U ppm (ICP)	V ppm (ICP)	Y ppm (ICP)	Zn ppm (ICP)			
N618892	299	--	193.0	0.20	< 0.05	0.04	1.6	0.67	0.1	0.2	276	23.1	98			
N618893	299	--	54.3	0.15	< 0.05	0.32	2.0	0.19	0.4	0.4	58	4.5	20			
N618907	299	--	142.0	0.15	0.05	0.02	0.2	1.06	< 0.1	< 0.2	400	25.9	98			
N618908	299	--	46.2	0.10	< 0.05	0.02	< 0.2	0.81	< 0.1	< 0.2	325	19.5	110			
N618909	299	--	149.0	0.15	< 0.05	0.02	0.2	1.17	< 0.1	< 0.2	427	27.1	98			
N618911	299	--	149.0	0.30	0.05	0.12	0.6	1.33	< 0.1	< 0.2	209	49.3	108			
N618912	299	--	54.7	0.25	< 0.05	0.16	0.4	1.18	0.1	< 0.2	181	41.7	110			
N618913	299	--	82.6	0.25	0.05	0.22	0.4	1.36	0.8	< 0.2	214	41.1	104			
N618914	299	--	92.1	0.30	< 0.05	< 0.02	0.4	1.33	< 0.1	< 0.2	210	45.0	88			
N618915	299	--	75.4	0.15	0.05	0.02	< 0.2	1.42	< 0.1	< 0.2	455	27.9	150			
N618916	299	--	135.0	0.20	< 0.05	0.06	0.2	1.12	< 0.1	< 0.2	345	32.7	86			
N618917	299	--	121.0	0.20	0.05	0.06	1.0	0.59	0.1	0.2	281	20.1	84			
N618920	299	--	452	< 0.05	< 0.05	< 0.02	< 0.2	0.28	0.2	< 0.2	152	5.5	10			

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PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Certificate Date: 20-SEP-1999
Invoice No. : I9927621
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927621

SAMPLE	PREP CODE	Sr ppm (ICP)	Ta ppm (ICP)	Te ppm (ICP)	Tl ppm (ICP)	Th ppm (ICP)	Ti % (ICP)	W ppm (ICP)	U ppm (ICP)	V ppm (ICP)	Y ppm (ICP)	Zn ppm (ICP)			
N618894	299 --	151.0	0.15	< 0.05	0.12	1.4	0.19	0.1	0.2	51	3.0	36			
N618895	299 --	190.5	0.10	< 0.05	0.12	1.2	0.17	< 0.1	0.2	48	3.1	38			
N618896	299 --	63.9	0.15	< 0.05	0.26	1.8	0.21	0.1	0.2	55	4.3	36			
N618897	299 --	67.2	0.25	< 0.05	0.08	0.2	1.15	< 0.1	< 0.2	86	27.7	66			
N618898	299 --	52.4	0.30	< 0.05	0.06	0.2	1.09	0.1	< 0.2	72	33.0	84			
N618899	299 --	33.4	0.15	< 0.05	0.02	< 0.2	1.01	0.1	< 0.2	356	17.6	76			
N618900	299 --	128.5	0.35	< 0.05	< 0.02	0.2	1.43	< 0.1	< 0.2	116	42.4	114			
N618901	299 --	63.9	0.05	< 0.05	< 0.02	< 0.2	0.68	< 0.1	< 0.2	308	15.8	72			
N618902	299 --	57.8	0.10	< 0.05	< 0.02	< 0.2	0.69	< 0.1	< 0.2	306	17.8	76			
N618903	299 --	191.5	0.05	< 0.05	< 0.02	< 0.2	0.67	< 0.1	< 0.2	313	17.8	54			
N618904	299 --	249	0.10	< 0.05	< 0.02	< 0.2	0.70	< 0.1	< 0.2	334	18.9	78			
N618905	299 --	127.0	< 0.05	0.05	0.04	< 0.2	0.53	< 0.1	< 0.2	292	11.4	74			
N618906	299 --	140.5	0.25	0.05	< 0.02	1.8	0.68	< 0.1	0.2	273	23.0	88			

CERTIFICATION:

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5175 Timberlea Blvd., Mississauga
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PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN

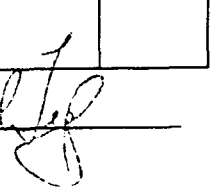
110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Page Number : 1-A
Total Pages : 1
Certificate Date: 20-SEP-1999
Invoice No. : I9927618
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927618

SAMPLE	PREP CODE		Al % (ICP)	Sb ppm (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Ca % (ICP)	Ce ppm (ICP)	Cs ppm (ICP)	Cr ppm (ICP)	Co ppm (ICP)	Cu ppm (ICP)	Ga ppm (ICP)	Ge ppm (ICP)
N618868	299	--	4.27	0.1	310	0.60	0.04	0.10	1.49	52.7	0.55	238	7.4	7	11.5	1.1
N618910	299	--	7.54	0.3	340	0.80	0.06	0.06	3.24	33.7	0.85	165	17.4	17	18.4	1.1
N618918	299	--	5.12	0.2	400	0.65	0.09	0.08	1.29	29.4	1.05	71	6.4	7	15.1	1.4
N618919	299	--	6.55	0.3	200	0.85	0.11	0.08	0.83	25.2	2.00	104	12.6	57	15.9	0.9

CERTIFICATION: 

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Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

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110 HYLAND DR.
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P3E 1R6

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Page Number : 1-B
Total Pages : 1
Certificate Date: 20-SEP-1999
Invoice No. : I9927618
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927618

SAMPLE	PREP CODE		Fe % (ICP)	La ppm (ICP)	Pb ppm (ICP)	Li ppm (ICP)	Mg % (ICP)	Mn ppm (ICP)	Mo ppm (ICP)	Ni ppm (ICP)	Nb ppm (ICP)	P ppm (ICP)	K % (ICP)	Rb ppm (ICP)	Ag ppm (ICP)	Na % (ICP)
N618868	299	--	3.51	26.0	11.5	4.4	0.55	800	0.6	21.4	6.6	100	1.03	30.2	0.50	1.63
N618910	299	--	4.16	14.5	8.5	10.8	1.56	590	0.6	36.6	5.2	350	0.65	15.8	0.15	3.08
N618918	299	--	2.58	15.0	14.0	8.0	0.49	370	0.6	21.8	6.0	210	1.35	45.6	0.55	1.83
N618919	299	--	7.07	11.5	10.5	23.8	0.76	270	2.4	44.0	4.8	900	0.62	20.4	0.25	0.96

CERTIFICATION:

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5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Page Number : 1-C
Total Pages : 1
Certificate Date: 20-SEP-1999
Invoice No. : I9927618
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927618

SAMPLE	PREP CODE	Sr ppm (ICP)	Ta ppm (ICP)	Te ppm (ICP)	Tl ppm (ICP)	Th ppm (ICP)	Ti % (ICP)	W ppm (ICP)	U ppm (ICP)	V ppm (ICP)	Y ppm (ICP)	Zn ppm (ICP)
N618868	299 --	262	0.40	< 0.05	0.12	17.6	0.44	0.2	0.8	87	13.2	24
N618910	299 --	929	0.25	0.05	0.06	2.2	0.45	0.3	0.2	132	11.0	40
N618918	299 --	265	0.30	< 0.05	0.18	7.6	0.40	0.3	0.8	97	7.4	26
N618919	299 --	172.0	0.25	0.10	0.14	4.0	0.39	0.3	0.8	168	10.7	46

CERTIFICATION:

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5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
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To: GERMUNDSON, KEN **

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Certificate Date: 15-SEP-1999
Invoice No. : I9927609
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927609

SAMPLE	PREP CODE	Au g/t FA+AA	Au g/t	Pt g/t	Pd g/t	Rh g/t
N618851	205 226	< 0.005	-----	-----	-----	-----
N618852	205 226	0.010	-----	-----	-----	-----
N618853	205 226	< 0.005	-----	-----	-----	-----
N618854	205 226	< 0.005	-----	-----	-----	-----
N618855	205 226	< 0.005	-----	-----	-----	-----
N618856	205 226	< 0.005	-----	-----	-----	-----
N618857	205 226	< 0.005	-----	-----	-----	-----
N618858	205 226	< 0.005	-----	-----	-----	-----
N618859	2263202	< 0.005	-----	-----	-----	-----
N618860	2263202	< 0.005	-----	-----	-----	-----
N618861	2263202	< 0.005	-----	-----	-----	-----
N618862	2263202	< 0.005	-----	-----	-----	-----
N618863	2263202	< 0.005	-----	-----	-----	-----
N618864	2263202	< 0.005	-----	-----	-----	-----
N618865	2263202	< 0.005	-----	-----	-----	-----
N618866	2263202	< 0.005	-----	-----	-----	-----
N618867	2263202	< 0.005	-----	-----	-----	-----
N618869	2263202	< 0.005	-----	-----	-----	-----
N618870	2263202	< 0.005	-----	-----	-----	-----
N618871	2263202	< 0.005	-----	-----	-----	-----
N618872	2263202	< 0.005	-----	-----	-----	-----
N618873	2263202	< 0.005	-----	-----	-----	-----
N618874	2263202	< 0.005	-----	-----	-----	-----
N618875	2263202	< 0.005	-----	-----	-----	-----
N618876	2263202	< 0.005	-----	-----	-----	-----
N618877	2263202	< 0.005	-----	-----	-----	-----
N618878	2263202	< 0.005	-----	-----	-----	-----
N618879	2263202	< 0.005	-----	-----	-----	-----
N618880	2263202	< 0.005	-----	-----	-----	-----
N618881	2263202	< 0.005	< 0.03	< 0.07	< 0.07	< 0.03
N618882	2263202	< 0.005	< 0.03	< 0.07	< 0.07	< 0.03
N618883	2263202	< 0.005	-----	-----	-----	-----
N618884	2263202	< 0.005	-----	-----	-----	-----
N618885	2263202	< 0.005	-----	-----	-----	-----
N618886	2263202	< 0.005	-----	-----	-----	-----
N618887	2263202	< 0.005	-----	-----	-----	-----
N618888	2263202	< 0.005	-----	-----	-----	-----
N618889	2263202	< 0.005	-----	-----	-----	-----
N618890	2263202	< 0.005	-----	-----	-----	-----
N618891	2263202	< 0.005	< 0.03	< 0.07	< 0.07	< 0.03

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN **

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Certificate Date: 15-SEP-1999
Invoice No. : I9927609
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927609

SAMPLE	PREP CODE	Au g/t FA+AA	Au g/t	Pt g/t	Pd g/t	Rh g/t					
N618892	226 3202	< 0.005	-----	-----	-----	-----					
N618893	226 3202	< 0.005	-----	-----	-----	-----					
N618907	226 3202	< 0.005	-----	-----	-----	-----					
N618908	226 3202	< 0.005	-----	-----	-----	-----					
N618909	226 3202	< 0.005	-----	-----	-----	-----					
N618911	226 3202	< 0.005	-----	-----	-----	-----					
N618912	226 3202	< 0.005	-----	-----	-----	-----					
N618913	226 3202	< 0.005	-----	-----	-----	-----					
N618914	226 3202	< 0.005	-----	-----	-----	-----					
N618915	226 3202	< 0.005	-----	-----	-----	-----					
N618916	226 3202	< 0.005	-----	-----	-----	-----					
N618917	226 3202	< 0.005	-----	-----	-----	-----					
N618920	226 3202	< 0.005	-----	-----	-----	-----					

CERTIFICATION:_____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN **

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: ATTN: KEN CC: WAYNE FULLER

Page Number : 1
Total Pages : 1
Certificate Date: 13-SEP-1999
Invoice No. : I9927610
P.O. Number : OP 99-151
Account : RIO

CERTIFICATE OF ANALYSIS A9927610

SAMPLE	PREP CODE		Au g/t FA+AA	Au g/t	Pt g/t	Pd g/t	Rh g/t
N618894	205	226	0.005	-----	-----	-----	-----
N618895	205	226	< 0.005	-----	-----	-----	-----
N618896	205	226	< 0.005	< 0.06	< 0.14	< 0.14	< 0.06
N618897	205	226	< 0.005	-----	-----	-----	-----
N618898	205	226	< 0.005	-----	-----	-----	-----
N618899	205	226	< 0.005	< 0.03	< 0.07	< 0.07	< 0.03
N618900	205	226	< 0.005	< 0.03	< 0.07	< 0.07	< 0.03
N618901	205	226	< 0.005	< 0.03	< 0.07	< 0.07	< 0.03
N618902	205	226	< 0.005	< 0.06	< 0.14	< 0.14	< 0.06
N618903	205	226	< 0.005	< 0.03	< 0.07	< 0.07	< 0.03
N618904	205	226	< 0.005	< 0.06	< 0.14	< 0.14	< 0.06
N618905	205	226	< 0.005	< 0.06	< 0.14	< 0.14	< 0.06
N618906	205	226	< 0.005	-----	-----	-----	-----

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: GERMUNDSON, KEN **

110 HYLAND DR.
SUDBURY, ON
P3E 1R6

Project : COOK TOWNSHIP
Comments: attn:Ken CC: WAYNE FULLER

Page Number :1
Total Pages :1
Certificate Date: 10-SEP-1999
Invoice No. :19927608
P.O. Number :OP 99-151
Account :RIO

CERTIFICATE OF ANALYSIS A9927608

SAMPLE	PREP CODE		Au g/t FA+AA								
N618868	205	--	< 0.005								
N618910	205	--	< 0.005								
N618918	201	--	< 0.005								
N618919	201	--	< 0.005								

CERTIFICATION:_____

APPENDIX 2

OPAP - 1999 (OP-151)

Field data for ground magnetometer survey

R. Ken Germundson

Friday Sept 10 /99 ①
2470E (86E) 3:17 PM

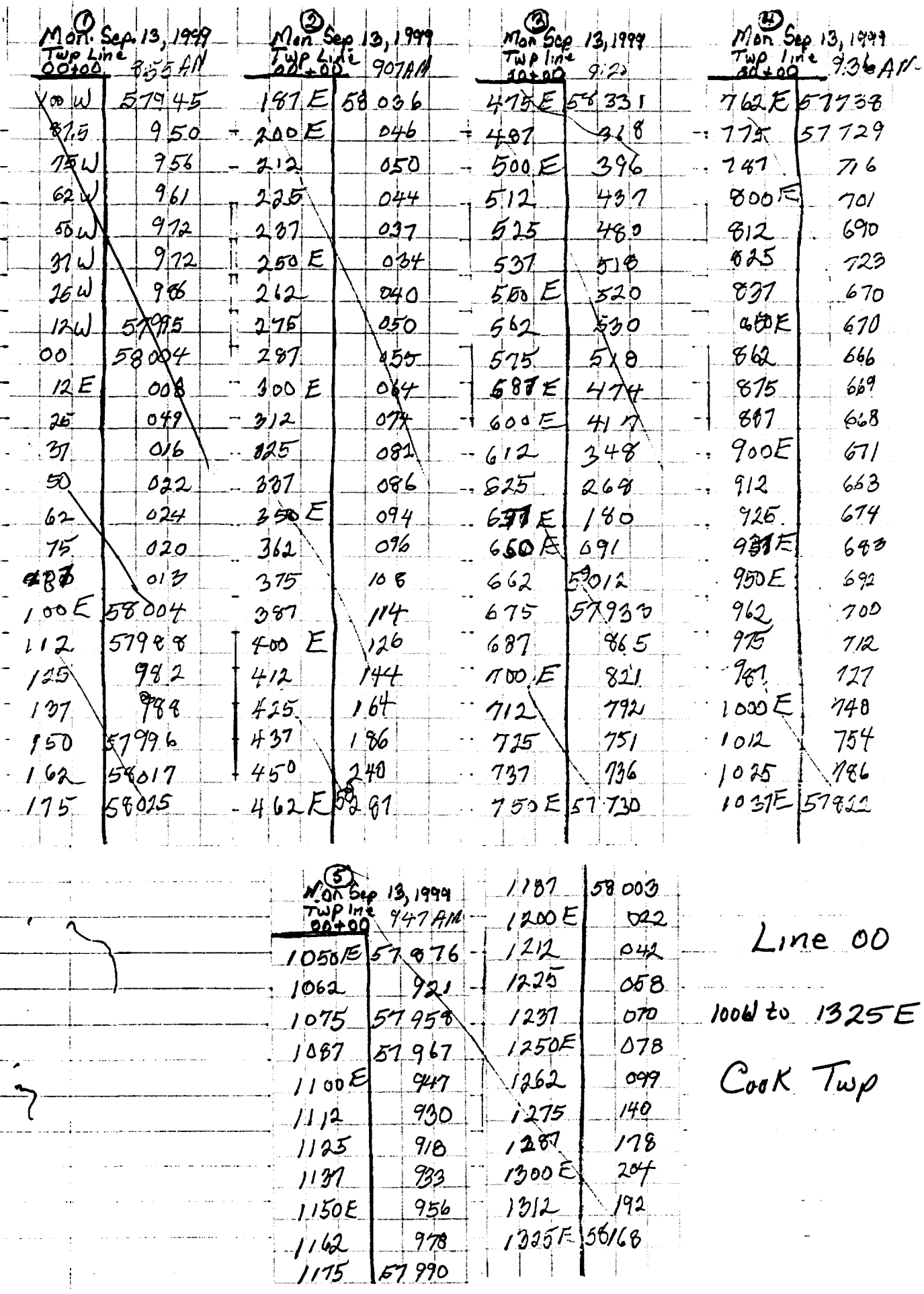
2400S	57183	sl up ↓
2387.5 S	57360	
2375.0 S	57443	
2362.5S	57529	
2350.0 S	57627	
2337.5 S	57746	
2325.0 S	57774	
2312.5 S	57691	
2300.0 S	57740	Top o/c around flat
2287.5 S	57760	
2275.0 S	57776	
2262.5 S	57790	
2250.0 S	57918	
2237.5 S	57942	o/c
2225.0 S	57951	
2212.5 S	58446	Just off o/c on Flat
2200.0 S	58386	
2187.5 S	58563	flat
2175.0 S	58690	
2162.5S	58854	
2156.25S	59088	Grindline
2150.0 S	58860	

Friday Sept 10 1999 ②
2470E (86E) 3:35 PM

2137.5S	58461	
2125.0S	59026	o/c
2112.5S	59385	o/c
2100.0S	58361	o/c
2087.5S	58192	o/c
2075.0S	58706	o/c
2062.5S	60047	o/c
2050.0S	58544	o/c
2037.5S	58446	
2025.0S	58[illegible]	o/c
2012.5S	58673	
2000.0S	57300	flat
1987.5S	57414	flat
1975.0S	57763	
1962.5S	57540	
1950.0S	57581	
1937.5S	59339	
1925.0	59213	
1912.5S	59[illegible]54	o/c
1900.0S	57 – 5953	} many peaks & grades varied
1987.5S	58408	
1875.0S	58100	

Fri. Sept 10, 1999 3
2470E = 86E 3:54 PM

1862.5S	58106	← still variable
1850.0S	56632	Just off o/c at flat margin
1837.5S	58792	
1825.0S	58164	
1812.5S	57757	
1800.0S	57588	
1787.5S	57518	
1775.0S	57476	
1762.5S	57452	
1750.0S	57438	
1737.5S	57427	
1725.0S	57429	
1712.5S	57437	
1700.0S	57447	
1687.5S	57459	
1675.0S	57477	
1662.5S	57492	
1650.0S	57500	
1637.5S	57512	
1625.0S	57555	
1612.0S	57576	
1600.0S	57600	END 4:14 PM



① Mon. Sep. 13, 1999
Twp Line
00+00 8:55 AM

100 W	57945
87.5	950
75 W	956
62 W	961
50 W	972
37 W	972
25 W	986
12 W	57995
00	58004
12 E	008
25	049
37	016
50	022
62	024
75	020
~~87~~	013
100 E	58004
112	57988
125	982
137	988
150	57996
162	58017
175	58025

② Mon Sep 13, 1999
Twp Line
00+00 9:07 AM

187 E	58036
200 E	046
212	050
225	044
237	037
250 E	034
262	040
275	050
287	055
300 E	064
312	074
325	081
337	086
350 E	094
362	096
375	108
387	114
400 E	126
412	144
425	164
437	186
450	240
462 E	58291

③ Mon Sep 13, 1999
Twp Line
00+00 9:22

475 E	58331
487	318
500 E	396
512	437
525	480
537	518
550 E	520
562	530
575	518
587 E	474
600 E	417
612	348
625	268
637 E	180
650 E	091
662	58012
675	57930
687	865
700 E	821
712	792
725	751
737	736
750 E	57730

④ Mon Sep 13, 1999
Twp Line
00+00 9:36 AM

762 E	57738
775	57729
787	716
800 E	701
812	690
825	723
837	670
850 E	670
862	666
875	669
887	668
900 E	671
912	663
925	674
937 E	683
950 E	692
962	700
975	712
987	727
1000 E	748
1012	754
1025	786
1037 E	57822

⑤ Mon Sep 13, 1999
Twp Line
00+00 9:47 AM

1050 E	57976
1062	921
1075	57958
1087	57967
1100 E	947
1112	930
1125	918
1137	933
1150 E	956
1162	978
1175	57990
1187	58003
1200 E	022
1212	042
1225	058
1237	070
1250 E	078
1262	099
1275	140
1287	178
1300 E	204
1312	192
1325 E	58168

Line 00

100W to 1325E

Cook Twp

⑥ Mon Sep 13, 1999
Twp line 9:57 AM
00+00

1337E	58137
1350E	082
1362	036
1375	004
1387	58000
1400E	014
1412	035
1425	050
1437	074
1450E	092
1462	090
1475	068
1487	58022
1500E	57977
1512E	948
1525	930
1537	934
1550E	57964
1562	58024
1575	080
1587	126
1600E	171
1612E	58171

⑦ Mon Sep 13, 1999
Twp line 10:12 AM
25+00

1625E	58157
1637	134
1650E	084
1662	066
1675	58020
1687	57988
1700E	972
1712	961
1725	952
1737	940
1750E	954
1762	962
1775	948
1787	912
1800E	882
1812	57835
1825	790
1837	775
1850E	762
1862	760
1875	770
1887	792
1900E	833

⑧ Mon Sep 13, 1999
Twp line 10:24 AM
00+00

1912E	57856
1925	892
1937	914
1951E	942
1962	960
1975	967
1987	944
2000E	57892
2012	824
2025	720
2037	628
2050E	610
2062	57734
2075	58004
2087	58238
2100E	420
2112	58775
2125	59050
2137	58782
2150E	58323
2162	231
2175	435
2187E	56144

⑨ Mon Sep 13, 1999
Twp line 10:37 AM
00+00

2200E	58092
2212	59208
2225	58204
2237	56132
2250E	58090
2262	54113
2275	54142
2287	56161
2300E	56124
2312	58012
2325	57964
2337	902
2350E	872
2362	854
2375	852
2387	850
2400E	872
2412E	898
2425	918
2437	942
2450E	959
2462	57998
2475E	59014

⑩ Mon Sep 13, 1999
Twp line 10:51 AM
25+00

2487E	58042
2500E	070
2512	062
2525	048
2537	56020
2550E	57974
2562	57958
2575	959
2587	962
2600E	971
2612	972
2625	947
2637	904
2650E	944
2662	794
2675	768
2687	767
2700E	794
2712	838
2725E	879
2737	924
2750E	927
2762	892
2775E	858

Pike

Line 00

1331E to 2775E

Cook Twp

Tu Sep 14/99 10

300S 11:52AM

300S

362E	58603
350E	566
337E	On old line (1992) 531
325	58492
312	476
300	450
287	426
275	397
262	384
250	366
237	351
225	616
212	[illegible]
200	[illegible]
[illegible]	5[illegible]
[illegible]	[illegible]8166
[illegible]	[illegible]
150	
[illegible]	12[illegible]
[illegible]	[illegible]
11[illegible]	[illegible]
100	[illegible]
87	5[illegible]

Spruce spruce muskeg

75E	57[illegible]
62E	9[illegible]
50E	[illegible]
37E	[illegible]
[illegible]	916
12	[illegible]
00	579[illegible]

Tu Sept 14/99 9

300S 1132AM

650 E	57917
637	878
625	844
612	795
600E	719
587	649
575	625
562	57662
550	58005
537	714
525	59613
512	59897
500 E	59856
487 E	59821
475 E	59496
462	59039
450E	58686
437	58892
425	58789
412	58765
400 E	58725
387	58691
375	58650

spruce spruce wet, small sized spruce

Tu Sep 14/99 8

300S 11:15AM

937E	57900
925	89[illegible]
912 E	886
900	866
887	852
875	831
862	8[illegible]
850 E	785
837	784
825	900
812	811
800 E	819
787	839
775	874
762	912
750	947
737	954
725	960
712	968
700	979
687	941
675	981
662 E	57940

805 - Line 2 (1992), big cover spruce muskeg, spruce alder

Tu Sep 14/99 7

300S 11:00AM

1225E	57902
1212	57962
1200 E	58020
1187	044
1175	044
1162	58017
1150E	57964
1137	909
1125	846
1112	792
1100E	752

spruce swamp

1087	742
1075	766
1062	806
1050E	853
1037	914
1025	962
1012	994
1000E	996
987	975
975	952
962	922
950E	57900

spruce, small spruce muskeg

Tu Sep 14/99 6

300S 1043AM

1512	57726
1500E	637
1487	635
1475	637
1462	641
1450E	640
1437E	644
1425	640
1412	640
1400E	638

sub spruce muskeg

1387	640
1375	658
1362	57690
1350E	728
1337	762
1325	798
1312	837
1300E	858
1287	858
1275	816
1262	792
1250 E	801
1237 E	57844

Tu Se 14/99 (5)
300S 10:28 AM

1775E	57936	
1762	914	
1750E	894	
1737	872	
1725	848	Alder
1712	836	
1700E	815	
1687	806	marsh
1675	794	
1662	778	
1650E	772	
1637	758	poplar
1625	743	
1612	737	
1600E	720	
1587	57700	
1575	690	some spruce alder
1562	671	
1550E	668	
1537	659	
1525	656	
1537	652	small spruce mixed
1525E	57640	

Tues Sep 14/99 (4)
300 S 10:11AM

2050E	58202	
2037	58156	
2025	58081	
2012	57972	
2000E	57862	
1987	794	
1975	801	+1 spruce
1962	860	
1950E	57945	
1937	58052	
1925	137	Old Alder
1912	189	
1900E	256	
1887	292	
1875	258	
1862	203	
1850E	142	
1837	044	spruce
1825	034	
1812	58004	
1800E	57961	Poplar
1792 =	1807E 275S	
1787E	57961	

Sep 14 '99 (3)
300S 9:54AM

2337E	58693	Spruce Swamp
2325	725	
2312	707	
2300E	660	
2287	550 on line	
2275	429 N/S	
2262	317	
2250E	245	
2237	209	Alder
2225	208	
2212	240	
2200E	294	
2187	336	Some spruce
2175	339	
2162	334	
2150E	349	
2137	274	
2125	58090	
2112	57936	
2100E	57913	
2087	57922	
2075	58137	
2062E	58217	

Sep 14 Two (2)
300S 9:37AM

2625E	58092	
2612	58089	
2600E	160	
2587	290	
2575	486	
2562	542	
2550E	480 Twp line	Muskeg
2537	427	
2525	400	
2512	428	
2500E	495	
2487	584	Spruce
2475	633	
2462	609	
2450	522	
2437	418	
2425	371	
2412	366	
2400E	417 line	
2387	500	
2375	568	
2362	625	
2350E	657	

Mon. Sep 14, 1999 (1)
Twp line 300+400 South 9:23
Pike

2910E	58096	
2909E	112	
2897	114	
2875	107	
2862	082	
2850E	58026	
2837	57986 Rd	
2825	961	
2812	925	
2800E	905	
2787	884	
2775	871	
2762	855	Spruce
2750E	836	
2737	806	
2725	764	
2712	781	
2700E	784	
2687E	852	
2675	57994	
2662	58352	
2650	58576	
2637E	58219	

1600S

⑦ Sat Sep 11, 1999 — 1600S: 10:15AM

Station	Reading	Notes
1650.0E	57688	↑
1662.5E	57680	
1675.0E	57682	
1687.5E	57686	Swamp
1700.0E	57677	
1712.5E	57654	↓
1725.0E	57600	↑
1737.5E	57504	Cedar
1750.0E	57367	↓
1762.5E	57273	
1775.0E	57815	↑
1787.5E	57450	
1800.0E	57431	
1812.5E	57525	Spruce – v sl up
1825.0E	57499	
1837.5E	57545	
1850.0E	57551	
1862.5E	57493	
1875.0E	57470	
1887.5E	57461	
1900.0E	57480	↓
1912.5E	57541	

DPH – 87-1

⑧ Sat Sep 11, 1999 — 1600S 10:37AM

Station	Reading	Notes
1925.0E	57598	
1937.5E	57816	
1950.0E	57920	
1962.5E	58309	
1975.0E	58462	logging +
1987.5E	58494	
2000.0E	58447	
2012.5E	58941	spruce
2025.0E	59124	
2037.5	58851	
2050.0E	59957	
2062.5E	59352	
2075.0E	57226	
2087.5E	57690	Bed rock
2100.0E	59224	
2112.5E	58831	
2125.0E	58947	
2137.5E	[illegible]	2142E = L66E
2142.0E	59102	
2150.0	58549	logged
2162.5	59059	
2175.0	57926	

Sat Sep 11 1999 — 1600S: 11:01AM

Station	Reading
2187.5E	57888
2200.0E	57837
2212.5E	58192
2225.0E	58096
2237.5E	57930
2250.0E	57937

Rain

① Sun Sep 12/99 — 1600S 9:04AM

Station	Reading	Notes
2250E	57816	
2262.5E	57721	
2275.0E	57630	
2287.5E	57548	
2300.0E	57484	
2312.0E	57467	
2325.0E	57504	
2337.5E	57551	Swamp
2350.0E	57606	
2362.5E	57626	
2375.0E	57646	
2387.5E	57649	Cedar
2400.0E	57648	
2412.5E	57629	
2425.0E	57571	Flat
2437.0E	57443	
2450.0E	57399	
2462.5E	57347	
2475.0E	57351	
2487.5E	57451	
2500.0E	57542	
2512.5E	57620	

③ Sun Sep 12/99 — 1600S 9:43AM

Station	Reading	Notes
2800.0E	57500	
2812.5E	57468	
2825.0E	57452	
2837.5E	57459	Sp
2850.0E	57445	Ct
2862.5E	57456	
2875.0E	57471	Alder
2887.5E	57504	
2900.0E	57526	
2912.5E	57464	
2925.0E	57450	
2937.5E	57460	
2950.0E	57442	
2962.5E	57447	
2975.5E	57429	
2987.5E	57406	
3000.0E	57412	
3012.5E	57414	
3025.0E	57432	
3037.5E	57446	
3050.0E	57458	

959 AM Just Sq — Beaver Con line

② Sun Sep 12/99 — 1600S 9:2[illegible] AM

Station	Reading	Notes
2525.0E	57669	Line
2537.5E	57663	
2550.0E	57630	
2562.5E	57596	
2575.0E	57605	
2587.5E	57653	
2600.0E	57591	alder down
2612.5E	57563	
2625.0E	57496	
2637.5E	57412	
2650.0E	57381	Flat
2662.5E	57365	
2675.0E	57[illegible]	
2687.5E	57530	
2700.0E	57560	
2712.5E	57547	alder spruce
2725.0E	57623	
2737.5E	57739	
2750.0E	57716	
2762.5E	57636	
2775.0E	57589	
2787.5E	57524	

1600 S

1/2

① Saturday Sept. 11, 1999
1600 S 8:36 AM

00	57649
12.5E	57625
25.0E	5762[illegible]
37.5E	57608
50.0E	57595
62.5E	57590
75.0E	57580
87.5E	57572
100.0E	57559
112.5E	57547
125.0E	57530
137.5E	57524
150.0E	57489
162.5E	57514
175.0E	57510
187.5E	57510
200.0E	57515
212.5E	57531
225.0E	57536
237.5E	57536
250.0E	57540
262.5E	57547

Mus Keg

② Set Sep. 11/99
1600 S 8:49 AM

275.0E	57594
287.5	57542
300.0E	57537
312.5E	57552
325.0E	57556
337.5E	57553
350.0E	57560
362.5E	57560
375.0E	57570
387.5E	57572
400.0E	57597
412.5E	57583
425.0E	57584
437.5E	57570
450.0E	57597
462.5E	57602
475.0E	57611
487.5E	57610
500.0E	57627
518.5E	57627
525.0E	57636
537.5	57649

Flat

Mus Keg

③ Sat Sep 11/99
1600 S: 9:02AM

550.0E	57649
562.5E	57664
575.0E	57655
587.5E	57677
600.0E	57694
612.5E	57692
625.0E	57690
637.5E	57717
650.0E	57720
662.5E	57728
675.0E	57737
687.5E	57742
700.0E	57763
712.5E	57766
725.0E	57765
737.5E	57752
750.0E	57758
762.5E	57773
775.0E	57789
787.5E	57809
800.0E	57826
812.5E	57831

Flat

Mus Keg

④ Sat Sep 11/99
1600 S 9:16AM

825.0E	57[illegible]
837.5E	57[illegible]
850.0E	57[illegible]
862.5E	57[illegible]
875.0E	57[illegible]
887.5E	57[illegible]
900.0E	57[illegible]
912.5E	57[illegible]
925.0E	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57[illegible]

Mus Keg

Flat

⑤ Sat Sep 11, 1999
1600 S: 9:38AM

1100 E	57914
1112.5E	[illegible]
[illegible]	57[illegible]
1137.5E	57945
[illegible]	57944
1162.5E	57954
1175.0E	57953
[illegible]	57[illegible]
[illegible]	57[illegible]
[illegible]	57995
1225.0E	58015

1237.5E	58020
1250.0E	58034
[illegible]	58[illegible]
1275.0E	58057
1287.5E	58057
1300E	58159
1312.5E	58245
1325.0E	58235
1337.5E	58353
1350.0E	[illegible]
1362.5E	58490

⑥ Sat Sep 11, 1999
1600 S: 9:55AM

1375.0E	58[illegible]
1387.5E	58[illegible]
1400.0E	58[illegible]
[illegible]	58[illegible]
[illegible]	58[illegible]
1437.5E	58618
1450.0E	58566
1462.5E	58[illegible]
1475.0E	58[illegible]
1487.5E	58[illegible]
1500.0E	58[illegible]

1512.5E	58[illegible]
1525.0E	58[illegible]
1537.5E	58[illegible]
1550.0E	58[illegible]
1562.5E	58[illegible]
1575.0E	57973
1587.5E	57[illegible]
1600.0E	57[illegible]
1612.5E	57[illegible]
1625.0E	57[illegible]
1637.5E	57[illegible]

Cedar

Friday Sept 10/99 (1)
2400 S 1105 PM

962.5W	57325	Small poplar Hack flat
950W	57332	
937.5W	57330	
925.0W	57330	
912.5W	57330	
900.0W	57334	
887.5W	57349	
875.0W	57348	
862.5W	57368	flat
850.0W	57370	
837.5W	57366	840W = Plastic Cover Line
825.0W	57365	Poplar alder
812.5W	57365	S
800.0W	57380	Mainly alder flat
787.5W	57384	with a few
775.0W	57391	Large poplar
762.5W	57386	
750.0W	57406	
737.5W	57406	
725.0W	57410	
712.5W	57412	
700.0W	57414	

Friday Sept 10, 1999 (2)
2400 S 1:23 PM

687.5W	57427	Flat Alder & small poplar
675.5W	57442	
662.5W	57458	
650.0W	57470	
637.5W	57475	
625.0W	57480	
612.5W	57476	
600.0W	57450	flat → Alder Spruce mainly + cedar
587.5W	57461	
575.0W	57472	
562.5W	57481	
550.0W	57500	Raw brush
537.5W	57508	
525.0W	57505	
512.5W	57504	
500.0W	57512	
487.5W	57530	
475.0W	57554	
462.5W	57568	
450.0W	57570	
437.5W	57559	
425.0W	57542	

Friday Sept. 10, 1999 (3)
2400 S 1:41PM

412.5W	57530	Flat Spruce, cedar, alder mainly
400.0W	57533	
387.5W	57531	
375.0W	57530	
362.5W	57532	
350.0W	57536	
337.5W	57534	
325.0W	57535	Flat, some spruce, cedar
312.5W	57536	
300.0W	57534	
287.5W	57538	
275.5W	57540	
262.5W	57552	
250.0W	57550	
237.5W	57564	Same
225.0W	57569	
212.5W	57568	
200.0W	57566	
187.5W	57560	
175.0W	57562	
162.5W	57561	
150.0W	57561	

Friday Sept 10, 1999 (4)
2400 S 20+PM 2:04 PM

137.5W	57576	Flat
125.0W	57599	Cedar, spruce, alder mainly
112.0W	57610	
100.0W	57615	
87.5W	57614	
75.0W	57604	
62.5W	57608	
50.0W	57602	
37.5W	57616	Cedar, spruce, alder
25.0W	57618	
12.5W	57614	
00+00	57616	Cedar, spruce, alder
12.5E	57609	
25.0E	57614	
37.5E	57616	
50.0E	57598	
62.5E	57596	
75.0E	57583	
87.5E	57574	Flat, spruce, cedar
100.0E	57578	
112.5E	57578	Flat, spruce, cedar
125E	57549	

Friday Sept 10, 1999 (5)
2400S 2:21 PM

137.5E 57571 slight slant
150.0E 57550 spruce → spruce/pop
162.5E 57550 with balsam + alder
175.0E 57572
187.5E 57656
200.0E 57594
212.5E 57756
225.0E 57698
237.5E 57869
250.0E 57699
262.5E 57835
275.0E 57777 Mainly alder
287.5E 57558 poplar
300.0E 57402
312.5E 57450 Top
325.0E 57554 ≈ flat vv slup
337.5E 57572
350.0E 57517
362.5E 57506
375.5E 57502 Wide of bench
387.5E 57590 on E side of o/c
400.0E 57780 vv slup - alder poplar

Friday Sept 10, 1999 (6)
2400S 2:39 PM

412.5E 57810 vv sl up
425.0E 57764 poplar/alder
437.5E 57718 some birch
450.0E 57769
462.5E 57740 Near o/c Top
475.0E 57724 Near of
487.5E 57750 E side of o/c
500.0E 57749 vv sl dn to flat
512.5E 57740
525.0E 57740
537.5E 57762
550.0E 57762
562.5E 57774
575.0E 57730
587.5E 57776 → a flat to vv sl dn
600.0E 57774
612.5E 57760
625.0E 57774
637.5E 57753
650.0E 57720
662.5E 57758
675.0E 57730 Just in alder pocket spruce moving

Fri Sept 10, 1999 (7)
2400S 2:53 PM

687.5E 57752 flat
700.0E 57752 spruce alder mushy
712.5E 57764
725.0E 57752
737.5E 57744
750.0E 57766
762.5E 57776
775.0E 57764 757 - start vv sl up
787.5E 57778 checked OK
800.0E 57775 Spruce, pine, poplar
812.5E 57703
825.0E 57764 o/c veered to N

END 303 PM

Thursday September 9, 1999 (1)

Line 27 S - 10:00 AM Fog

837.5W	57984	Playfair / Cook
850.0W	(57360)	omit Poplar
862.5W	58199	
875.0W	58730	
887.5W	59150	v sl up Poplar
900.0W	59150	
912.5W	58964	
925.0W	59300	
937.5W	58960	
950.0W	59172	Poplar
962.5W	58927	Top flat o/c 20m N
975.0W	58764	Top flat
987.5W	58250	Topflat o/c 15m N
1000.0W	58093 ✓	v sl down o/c 20m N
1012.5W	57932 ✓	Poplar
1025.0W	57917 ✓	
1037.5W	58117 ✓	v sl dn +balsam
1050.0W	58196 ✓	
1062.5W	58447 ✓	
1075.0W	59347 ✓	bottom flat + spruce alder
1087.5W	57382 ✓	
1100.0W	58425 ✓	flat

Thursday September 9/1999

Line 27S 10:24 AM

1112.5W	58471 ✓	flat bottom
1125.0W	58530 ✓	balsam, poplar, spruce
1137.5W (~~1150.0W~~)	58708 ✓	alder
1150.0W	58598 ✓	Spruce alder balsam
1162.5W	58608 ✓	flat
1175.0W	58619 ✓	
1187.5W	58542 ✓	flat alder mainly
1200.0W	58800 ✓	Creek spruce
1212.5W	58384 ✓	poplar balsam
1225.0W	58562 ✓	v v sl up
1237.5W	58545 ✓	v v sl dn
1250.0W	58129 ✓	" to flat
1262.5W	57899 ✓	flat to mainly alder
1275.0W	57825 ✓	+ few spruce
1287.5W	57782 ✓	balsam
1300.0W	57746 ✓	mainly alder flat
1312.5W	57712 ✓	
1325.0W	57666 ✓	with spruce
1337.5W	57622 ✓	
1350.0W	57588 ✓	Mainly spruce sl up to
1362.5W	57568 ✓	
1375.0W	57534 ✓	

Thursday September 9, 1990

Line 215 10:50 AM

1397.5W	57505	Spruce alder & slope → S
1400.0W	57562	
1412.5W	57633	
1425.0W	58430	
1437.5W	58198	v v slope
1450.0W	58112	end Rd at 1450W → flat
1462.0W	58144	~ flat
1475.0W	58174	flat small poplar to dm
1487.5W	58009	subtle drainage
1500.0W	57804	slumped slope poplar
1512.5W	57810	v v slope to flat
1525.0W	57874	
1537.5W	58162	
1550.0W	58503	poplar
1562.5W	58646	flat
1575.0W	58413	
1587.5W	58054	~ flat
1600.0W	57906	
1612.5W	57879	slope Rd → [illegible] Alder
1625.0W	57910	to flat sand, fine
1637.5W	59364	
1650.0W	56491	

Thursday September 9, 1990

Line 215 11:13 AM

1662.5W	59048	flat sand, gravel & fine
1679.0W	58606	
1687.5W	58976	
1700.0W	58675	
1712.5W	58594	
1725.0W	58337	
1737.5W	58266	
1750.0W	58253	→ small poplar
1762.5W	58262	v slope
1775.0W	58279	→ flat
1787.5W	58254	
1800.0	58250	

END

11:25 AM

Clear - sunny

Thursday September 9, 1999 ①

Line 30S 12:00 PM Noon

850W	58773	✓
837.5W	58771	✓
825.0W	58760	✓
812.5W	58660	✓
800.0W	58620	✓
787.5W	57010	✓
775.0W	58928	✓
762.5W	58944	✓
750.0W	58930	✓
737.5W	58872	✓
725.0W	59016	✓
712.5W	58974	✓
700.0W	58810	✓
687.5W	58644	✓
675.0W	58652	✓
662.5W	58620	✓
650.0W	58578	✓
637.5W	58562	✓
625.0W	58586	✓
612.5W	58665	✓
600.0W	58784	✓
587.5W	58616	✓

Flat mapp alder/small poplar

Poplar to S

Logged

Logged

Thursday September 9, 1999 ②

Line 30S 12:00 PM

575.0W = 57732		✓
562.5W = 57592	mark mark	✓
550.0W = 58952		✓
537.5W = 58954		✓
525.0W = 58934		✓
512.5W = 58681		✓
500.0W = 58600		✓
487.5W = 58612		✓
475.0W = 58593		✓
462.5W = 58618		✓
450.0W = 58628		✓
437.5W = 58672		✓
425.0W = 58786		✓
412.0W = 58787		✓
400.0W = 58814		✓
387.5W = 58757		✓
375.0W	58566	✓
362.5W = 58479		✓
350.0W = 58536		✓
337.5W	58544	✓
325.0W	58476	✓
312.5W	58449	✓

Flat, logged

Alder, poplar

Alder, poplar

Wetter & drier

swamp

Alder

Poplar

Logged

Spruce

Muskeg

Spruce becoming larger

Same brush

Thursday September 9, 1999

Line 30S 12:45 PM ③

300.0W	58504	✓
287.5W	58536	✓
275.0W	58478	✓
262.5W	58482	✓
250.0W	58516	✓
237.5W	58616	✓
225.0W	58640	✓
212.5W	58694	✓
200.0W	58648	✓
187.5W	58760	✓

Tall spruce → S

Poplar & logged → N

Short wood climb up → E

Poplar 2nd growth

Uphill ground remains

175.0W	58612	✓
162.5W	58440	✓
150.0W	58448	✓
137.5W	58366	✓
125.0W	58340	✓
112.5W	58334	✓
100.0W	58241	✓
87.5W	58286	✓
75.0W	58178	✓
62.5W	58162	✓
50.0W	58158	✓
37.5W	58173	✓

3 continued

into virgin spruce timber

2nd growth

(4)

Thursday September 9, 1999
Line 30 S 1:03 PM

250W	58198	~ up Virgin spruce
12.5W	58150	~ some poplar
000 =	58128	~ in glacial moraine
12.5E	58096	~ flat to up
25.0E	58114	~
37.5E	58226	~
50.0E	58296	~
62.5E	58407	~
75.0E	58516	~
87.5E	58398	~
100.0E	58344	~
112.5E	58261	~
125.0E	58237	~
137.5E	58216	~
150.0E	58180	~ Gone
162.5E	58422	~
175.0E	58342	~
187.5E	58494	~
200.0E	58494	~
212.5E	58404	~
225.0E	58304	~
237.5E	58283	~

(5)

Thursday September 9, 1999
Line 30 S 1:15 PM

250.0E	58325	~ Alpine Moraine
262.5E	58192	~ Tussock spruce poplar
275.0E	58154	~ flat Virgin
287.5E	58114	~
300.0E	58056	~ flat Top
312.5E	58060	~ start down
320.0E	57984	~
337.5E	58034	~ slope
350.0E	58000	~ bottom
362.5E	57924	~ muskeg spruce
375.0E	57902	~
387.5E	57882	~
400.0E	57874	~
412.5E	57862	~
425.0E	57841	~
437.5E	57810	~
450.0E	57804	~
462.5E	57808	~
475.0E	57792	~
487.5E	57702	~
500.0E	57788	~
512.5E	57750	~

(6)

Thursday September 9, 1999
Line 30 S 1:33 PM

529.0E	57740	spruce muskeg
537.5E	57721	~ wet flat
550.0E	57712	~
562.5E	57714	~
575.0E	57692	~
587.5E	57709	~ wider
600.0E	57672	~
612.5E	57670	~
625.0E	57662	~ flat
637.5E	57672	~
650.0E	57654	~
662.5E	57654	~
675.0E	57660	~ off line
687.5E	57668	~
700.0E	57655	~
712.5E	57639	~
725.0E	57618	~
737.5E	57582	~
750.0E	57583	~
762.5E	57547	~
775.0E	57522	~
787.5E	57504	~

800.0E	57518	~ Muskeg
812.5E	57476	~
825.0E	57480	~ Flat
837.5E	57642	~
850.0E	57625	~
862.5E	57762	~
875.0	57647	~ base of hill rock
882.5	57980	~ on bedrock 1:50PM

66 E
62 E
58 E

1/1

Sun Sept 12/99 — 66E — 11:12 AM

1600S	58121	
1612.5S	58207	
1625.0S	58130	
1637.5S	57929	lossed
1650.0S	57678	
1662.5S	57460	
1675.0S	57504	
1687.5S	57434	spruce
1700.0S	57227	
1712.5S	54756	
1725.0S	58496	flat
1737.5S	56324	
1750.0S	58915	
1762.0S	59648	
1775.0S	59078	
1787.5S	58432	
1800.0S	58170	
1812.5S	58334	
1825.0S	58437	Ceder
1837.5S	58110	
1850.0S	57761	

Sun Sep 12/99 — 62E — 1130 AM

1900S	57500	Cedar swamp
1887.5S	57566	
1875.0S	57586	
1862.5S	57637	
1850.0S	57706	
1837.5S	57788	
1825.0S	57981	
1812.5S	58210	
1800.0S	58294	
1787.5S	58284	
1775.0S	58390	
1762.0S	58505	
1750.0S	58594	
1737.5S	58715	
1725.0S	58790	
1712.5S	58562	
1700.0S	58602	
1687.5S	57777	
1675.0S	57570	
1662.5S	57333	~contact ppy
1656.0	57408	on ppy
1650.0S	57524	ppy
1637.5S	57796	
1625.0S	59138	basalt ppy
1612.5S	59282	
1600.0S	58812	
1587.5S	58276	} Rx dropped
1575.0S	58048	
1562.0S	57640	
1550S	57409	98 flat
1537.5S	57490	

R.K. Jermundson

Sun Sep 12/99 — 58E — 1201 PM

1650S	58362	basalt
1562.5S	58232	
1575.0S	57465	
1587.5S	57639	
1600.0S	57634	Ppy prob exp
1612.5S	57463	
1625.0S	57308	
1637.5S	58640	basalt
1650.0S	57902	"
1662.0S	58176	"
1675.0S	57950	
1687.5S	58105	
1700.0S	57453	
1712.5S	57364	fx
1725.0S	57456	
1737.5S	57638	
1750.0S	57626	Walced Duke

58E

1762.5S	57474	
1775.0S	57339	
1787.5S	57357	flat
1800.0S	57626	
1812.5S	57551	
1825.0S	57505	Rd
1837.5S	57514	
1850.0S	57520	
1862.5S	57528	
1875.0S	57572	
1887.5S	57629	
1900.0S	57610	base OK
1912	57916	o/k

Thursday September 9, 1999 (1)

Line 27 S - 10:00 AM F.C

837.5 W	57924	Poplar/Cook
850.0 W	57360	Poplar
862.5 W	58199	
875.0 W	58730	
887.5 W	59150	v sl up Poplar
900.0 W	59150	
912.5 W	58964	
925.0 W	59300	
937.5 W	58960	
950.0 W	59172	Poplar
962.5 W	58929	Top flat o/c 20m N
975.0 W	58766	Top flat
987.5 W	58250	Top flat o/c 15m N
1000.0 W	58093	v v sl down o/c 20m N
1012.5 W	57932	Poplar
1025.0 W	57917	
1037.5 W	58117	v sl dn + balsam
1050.0 W	58196	
1062.5 W	58447	
1075.0 W	59347	bottom flat + spruce, alder
1087.5 W	57382	
1100.0 W	58425	flat

Thursday September 9/1999

Line 27 S 10:24 AM

1112.5 W	58471	v flat bottom
1125.0 W	58536	balsam, poplar, spruce
1137.5 W	58700	alder
1150.0 W	58590	spruce alder balsam
1162.5 W	58608	flat
1175.0 W	58619	
1187.5 W	58542	flat alder mainly
1200.0 W	58800	Creek spruce
1212.5 W	58	Top flat balsam
1225.0 W	58562	v v sl up
1237.5 W	58545	v v sl dn
1250.0 W	58129	" to flat
1262.5 W	57879	flat to mainly alder
1275.0 W	57825	+ fir spruce
1287.5 W	57782	balsam
1300.0 W	57746	mainly alder flat
1312.5 W	57712	
1325.0 W	57666	with spruce
1337.5 W	57622	
1350.0 W	57588	Mainly spruce flat to
1362.5 W	57568	
1375.0 W	57534	

Thursday September 9, 1990

Line 275 10:50 AM

1397.5W	57605	Spruce alder ↑ up → S
1400.0W	57562	
1412.5W	57833	
1425.0W	58430	
1437.5W	58198	v v sl up
1450.0W	58112	Rd at 1450W → flat
1462.0W	58148	↗ flat
1475.0W	58174	flat small poplar to dm
1487.5W	58009	subtle drainage
1500.0W	57864	slumped sl up poplar
1512.5W	57810	v v sl up to flat
1525.0W	57834	
1537.5W	58162	
1550.0W	58503	poplar
1562.5W	58646	flat
1575.0W	58413	
1587.5W	58054	↗ flat
1600.0W	57906	
1612.5W	57879	sl up Rd → Alder
1625.0W	57910	to flat - pond, fine
1637.5W	59364	
1650.0W	58591	

Thursday September 9, 1990

Line 275 1113 AM

1662.5W	59048	flat sand, gravel & fine
1675.0W	58806	
1687.5W	58876	
1700.0W	58675	
1712.5W	58594	
1725.0W	58737	
1737.5W	58266	
1750.0W	58253	→ small poplar
1762.5W	58262	v sl dm
1775.0W	58279	→ flat
1787.5W	58154	
1800.0	58250	

END 11:25 AM

Clear - sunny

Thursday September 9, 1999 ①

Line 30 S — 12:00 PM Noon

Station	Reading		Notes
850W	58773	✓	flat marsh
837.5W	58771	✓	alder/small poplar
825.0W	58702	✓	
812.5W	58660	✓	
800.0W	58820	✓	logged to S
787.5W	59010	✓	
775.0W	58928	✓	
762.5W	58848	✓	Logged
750.0W	58830	✓	
737.5W	58875	✓	logged
725.0W	59016	✓	
712.5W	58974	✓	
700.0W	58810	✓	
687.5W	58644	✓	
675.0W	58652	✓	
662.5W	58620	✓	
650.0W	58578	✓	
637.5W	58562	✓	
625.0W	58586	✓	
612.5W	58665	✓	
600.0W	58784	✓	swamp
587.5W	58616		

Thursday September 9, 1999 ②

Line 30 S — 12:20 PM

Station	Reading		Notes
575.0W	= 57732	✓	marsh; flat, logged
562.5W	= 57592		Alder, poplar
550.0W	= 58952		58952
537.5W	= 58954	✓	58954
525.0W	= 58934	✓	Wetter & lower swamp
512.5W	= 58681	✓	
500.0W	= 58600	✓	Alder
487.5W	= 58612	✓	Ash
475.0W	= 58593	✓	
462.5W	= 58618	✓	
450.0W	= 58628	✓	Logged to N
437.5W	= 58672	✓	Spruce to S
425.0W	= 58776	✓	Muskeg
412.5W	= 58787	✓	
400.0W	= 58814	✓	
387.5W	= 58757	✓	poplar N ← → S spruce
375.0W	58566	✓	becoming larger
362.5W	= 58471	✓	some brush
350.0W	= 58536	✓	
337.5W	58544	✓	
325.0W	58476	✓	
312.5W	58449	✓	

[illegible]

Thursday September 9, 1999 — 3

Line 30 S — 12:45 PM

Station	Reading		Notes
300.0W	58504	✓	flat spruce → S
287.5W	58526	✓	Pop alder & logged → N
275.0W	58478	✓	
262.5W	58482	✓	start of sl climb up to E
250.0W	58516	✓	
237.5W	58616	✓	Poplar 2nd growth
225.0W	58640	✓ sl	Upward glacial moraine
212.5W	58694	✓	
200.0W	58648	✓	
187.5W	58760	✓	

3 continued

Station	Reading		Notes
175.0W	58512	✓	
162.5W	58440	✓	
150.0W	58448	✓	
137.5W	58366	✓	
125.0W	58340	✓	
112.5W	58334	✓	
100.0W	58281	✓	into virgin spruce timber
87.5W	58286	✓	
75.0W	58178	✓	sl up
62.5W	58162	✓	
50.0W	58154	✓	
37.5W	58173	✓	

(4)

Thursday September 9, 1999

Line 30 S 1:03 PM

25.0W	58198	✓ Virgin spruce
12.5W	58150	✓ some poplar
0.00 =	58124	✓ in glacial moraine
12.5E	58096	✓ flat to up
25.0E	58114	✓
37.5E	58226	✓
50.0E	58296	✓
62.5E	58407	✓
75.0E	58516	✓
87.5E	58398	✓
100.0E	58344	✓
112.5E	58262	✓
125.0E	58237	✓
137.5E	58216	✓
150.0E	58280	✓
162.5E	58422	✓
175.0E	58342	✓
187.5E	58494	✓
200.0E	58494	✓
212.5E	58404	✓
225.0E	58304	✓
237.5E	58283	✓

Gone

(5)

Thursday September 9, 1999

Line 30 S 1:45 PM

250.0E	58305	✓ Alpine Moraine
262.5E	58192	✓ Twisted spruce poplar
275.0E	58154	✓ flat Virgin
287.5E	58114	✓
300.0E	58056	✓ flat Top
312.5E	58060	✓ start down
325.0E	57984	✓
337.5E	58034	✓ side
350.0E	58000	✓ bottom
362.5E	57924	✓ muskeg spruce
375.0E	57902	✓
387.5E	57882	✓
400.0E	57874	✓
412.5E	57862	✓
425.0E	57841	✓
437.5E	57810	✓
450.0E	57804	✓
462.5E	57806	✓
475.0E	57792	✓
487.5E	57802	✓
500.0E	57788	✓
512.5E	57750	✓

(6)

Thursday September 9, 1999

Line 30 S 1:33 PM

525.0E	57746	spruce muskeg
537.5E	57721	wet flat
550.0E	57712	
562.5E	57714	
575.0E	57692	
587.5E	57709	with alder
600.0E	57672	
612.5E	57670	
625.0E	57662	flat
637.5E	57672	
650.0E	57654	
662.5E	57654	
675.0E	57660	
687.5E	57668	
700.0E	57655	
712.5E	57639	
725.0E	57618	
737.5E	57582	
750.0E	57583	
762.5E	57547	
775.0E	57522	
787.5E	57506	

Off line

800.0E	57518	Muskeg
812.5E	57475	
825.0E	57480	Flat
837.5E	57642	
850.0E	57625	
862.5E	57762	
875.0	57647	house of rod rock
887.5	57980	on beach 1:50 PM

66E
62E
58E

1/1

Sun Sept 12/99
@21½ (66E) 11:12 AM

1600S	58121	
1612.5S	58207	
1625.0S	58130	
1637.5S	57929	logged
1650.0S	57678	
1662.5S	57460	
1675.0S	57508	spruce
1687.5S	57434	
1700.0S	57227	
1712.5S	54756	
1725.0S	58498	clearcut
1737.5S	58324	
1750.0S	58915	
1762.0S	59648	
1775.0S	59078	
1787.5S	58932	
1800.0S	58170	
1812.5S	58334	
1825.0S	58437	Cedar
1837.5S	58110	
1850.0S	57761	

Sun Sep 12/99 1130 AM
(62E)

1900S	57500	Cedarswamp
1887.5S	57566	
1875.0S	57586	
1862.5S	57637	
1850.0S	57706	
1837.5S	57788	
1825.0S	57981	
1812.5S	58210	
1800.0S	58294	
1787.5S	58284	
1775.0S	58390	
1762.0S	58505	
1750.0S	58594	
1737.5S	58715	
1725.0S	58790	
1712.5S	58562	
1700.0S	58602	
1687.5S	57777	
1675.0S	57570	
1662.5S	57333	~contact ppeg
1656.0	57408	on ppg
1650.0S	57524	ppg
1637.5S	57796	ppg
1625.0S	59138	basalt
1612.5S	59282	
1600.0S	59812	
1587.5S	58276	} Rx basalt
1575.0S	58048	
1562.0S	59643	
1550.0S	57409	9 ½ Red
1550.0S	57490	

Sun Sep 12/99
(58E) 1201 PM

1550S	58362	basalt
1562.5S	58232	
1575.0S	57955	
1587.5S	57639	
1600.0S	57634	Phy no exp
1612.5S	57463	
1625.0S	57308	
1637.5S	59646	basalt
1650.0S	57902	"
1662.0S	58176	"
1675.0S	57950	
1687.5S	58100	
1700.0S	57953	↓
1712.5S	57364	
1725.0S	57456	
1737.5S	57658	
1750.0S	57626	Walter Duke

1762.5S	57874	
1775.0S	57834	
1787.5S	57357	flat
1800.0S	57625	(58E)
1812.5S	57551	
1825.0S	57505	Rd
1837.5S	57514	
1850.0S	57520	
1862.5S	57528	
1875.0S	57572	
1887.5S	57629	
1900.0S	57610	base OK
1926	57916	ok

R.K. Fernandez

78E
74E

Sunday 12/99 (1)

2534E - 78E 10:15 AM

1600S	57677	Cedar Grove
1612.5S	57831	
1625.0S	57990	
1637.5S	57772	
1650.0S	57784	
1662.5S	57350	
1675.0S	57762	edge of o/c
1687.5	56856	
	57776	
	59467	
1800.0S	58457	
	59132	
	58704	o/c
	58844	
1712.5S		
	58340	
	58526	
1725.0S	58436	
→1730.0S	59612	edge of o/c
1737.5S	59125	
1750.0S	58617	
1762.5S	57844	
1775.0S	57696	flat
1787.5S	57710	
1800.0S	57731	
1812.5S	57674	
1825.0S	58295	

Sunday 12/99 (2)

2534E - 78E 10:36 AM

1837.5S	58647	flat appears
1850.0S	58614	↘ to W
1862.5S	58941	↘ to W
1875.0S	59076	↘ to W
1887.5S	59010	↘ to W
1900.0S	58896	

(74E) 10:52 AM

1825S	58329	base
1812.5S	57079	base of o/c
1800.0S	57335	
1787.5S	57569	base
1775.0S	57285	
1762.5S	57148	flat
1750.0S	57597	
1737.5S	57904	
1725.0S	58666	
1712.5S	59317	
1700.0S	59554	Up on base

R. K. Stevenson

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

W0080.00070.

Assessment Files Research Imaging

...ubsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining A... ...ssessment work and correspond with the mining land holder. Questions about t... ...rthern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbu...

42A08NE2012 2.20057 COOK

900

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

2.20057

1. Recorded holder(s) (Attach a list if necessary)

Name Wilzel Resources Limited	Client Number 209430
Address 633 Lake Street	Telephone Number (905) 704-3014
St. Catharines ON L2N 6H4	Fax Number
Name Attn Ralph Huggins	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) | Physical: drilling stripping, trenching and associated assays | Rehabilitation

Work Type Geological, Geophysical, Geochemical Line cutting, Assays	Office Use
	Commodity
	Total $ Value of Work Claimed 28 904
Dates Work Performed From 02 (Day) 07 (Month) 99 (Year) To 16 (Day) 09 (Month) 99 (Year)	NTS Reference
Global Positioning System Data (if available) / Township/Area Cook	Mining Division Larder Lake
M or G-Plan Number	Resident Geologist District Kirkland Lake

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name R. Ken Germundson	Telephone Number (705) 674-4377
Address 110 Hyland Drive, Sudbury ON P3E 1R6	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED
FEB 07 2000
GEOSCIENCE ASSESSMENT OFFICE

...how your credits are to be deleted, credits will be cut... ...followed by option number 2 if necessary.

4. Certification by Recorded Holder or Agent

I, R. Ken Germundson (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent R. Ken Germundson		Date Feb. 7/00
Agent's Address 110 Hyland Drive, Sudbury P3E 1R6	Telephone Number (705) 674-4377	Fax Number

0241 (03/97)

849

land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form:

(W0080.00070.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1	See attached					
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
	Column Totals					

I, Robert Kenneth Cormundson (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
R. Ken Cormundson	February 7, ~~1999~~ 2000 RKC

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☑ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary. ~~followed by option number 2 if necessary.~~

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

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FEB 07 2000
GEOSCIENCE ASSESSMENT OFFICE

land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Revised (100790, 100790) 2.20057

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1 ✓	L 199711 •	1	646	400		246
2 ✓	L 799712 •	1	715	400		RX 300
3 ✓	L 799714 •	1	478	400		78
4 ✓	L 799715 •	1	394	400		
5 ✓	L 799716 •	1	292	400		
6 ✓	L 799719 •	1	602	400		202
7 ✓	L 799720 •	1	457	400		57
8 ✓	L 799721 •	1	602	400		202
9 ✓	L 799722 •	1	320	400		RX [illegible]
10 ✓	L 799723 •	1	640	400		240
11 ✓	L 799724 •	1	550	400		150
12 ✓	L 799725 •	1	292	400		
13 ✓	L 799726 •	1	395	400		
14 ✓	L 799727 •	1	320	400		
15 ✓	L 799728 •	1	320	400		
	Column Totals	15	7033		(461)	

I, Robert Kenneth Germundson (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
R. Ken Germundson	February 14, 2000

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☐ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
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Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

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Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Revised

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1 ✓	L799729.	1	1599	400		1199
2 ✓	L799730.	1	1599	400		1199
3 ✓	L884189	1	1599	400		1199
4 ✓	L884190.	1	1599	400		1199
5 ✓	L884191.	1	390	400		
6 ✓	L884192.	1	245	400		
7 ✓	L956960.	1	170	400		
✓ 8 RR	L1217719.	1	495	400		90
✓ 9	L1217720.	2	2915	800 R.K.J	744	1671
✓ 10	L1221939.	8	4459	3200 R.K.J	1659	
✓ 11	L1222545.	2	621	800 R.K.J		9 R.K.
✓ 12	L1222756.	2	904	800 R.K.J		84
✓ 13	L1225064.	4	2124	1600 R.K.J		524
✓ 14	L1229505.	1	169	400		
✓ 15	L1230090.	2	169	800 R.K.J		
	Column Totals	29	26470		(1436)	

I, Robert Kenneth Germundson (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done. (1903)

Signature of Recorded Holder or Agent Authorized in Writing	Date
R Ken Germundson	February 14, 2000

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

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- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

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Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the minir land where work was performed, at the time work was performed. A map showing the contiguous link must accompany th form.

Revised.

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1	L1226871	2	1227	800		427
2	L1226872	2	1227	800		427
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
	Column Totals		29924	19200		9729

I, Robert Kenneth Desmarais (Print Full Name), do hereby certify that the above work credits are eligible unde subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
R. Ken Desmarais	Feb 14, 2000

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish tc prioritize the deletion of credits:

- ☐ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Ontario

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

Telephone: (888) 415-9845
Fax: (877) 670-1555

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

May 3, 2000

WILZEL RESOURCES LIMITED
633 LAKE ST
ST. CATHERINES, Ontario
L2N-6H4

Dear Sir or Madam:

Submission Number: 2.20057

Subject: Transaction Number(s):		**Status**
	W0080.00070	Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact BRUCE GATES by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

Steven B. Beneteau

ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 14828
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.20057

Date Correspondence Sent: May 03, 2000 **Assessor:** BRUCE GATES

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0080.00070	799711	COOK	Approval	May 02, 2000

Section:
17 Assays ASSAY
12 Geological GEOL
14 Geophysical MAG

Correspondence to:
Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
Ken Germundson
SUDBURY, ON

WILZEL RESOURCES LIMITED
ST. CATHERINES, Ontario

Correspondence ID: 14828

Guibord Twp.

Playfair Twp.

Barnet Twp.

Benoit Twp.

VI

V

IV

III

II

I

12 11 10 9 8 7 6 5 4 3 2 1

1211640 River

1225064 1230090 Pkg.

1222585 1217719 1217720 1222586 1221939 1226942 1226943 1226946 1220186

1205858 1205877 1205871 1205870 1205859 1205872

2.20057 ASSAY GEOC MAG

1226944 1226945 Bolton Lake 1213884 1213928 1213927 1222743 1222744

1213901 2.13828 1206578 1206577 1213888 1202423

Block

ONTARIO NORTHLAND RAILWAY

CL 1295 CL 7987 CL 9306 L.U.P. MTC PD 3F-33 CL 7988 River

THE TOWNSHIP OF

COOK

DISTRICT OF COCHRANE

LARDER LAKE MINING DIVISION

SCALE: 1-INCH= 40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C
LAND USE PERMIT	*

NOTES

Area Withdrawn From Staking Under Mg Act, 5 April 1951 Clause (d) Section 39

Gravel Reserve Shown Thus:

400' Surface rights reservation around all lakes & rivers.

Surface Rights Withdrawn under Sec. 36, The Mining Act R.S.O. 1980. ORDER NO. W-01/81/ONT (Trans Canada Pipeline Right of Way and Buffer Zone particularly 40.25 meters or 132 ft. on either side of centre line of right of way)

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE _____ WATABEAG MANAGEMENT UNIT

AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129
SWASTIKA, ONT.
P0K 1T0
705-642-3222

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

PLAN NO. M.339

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

42A08NE2012 2.20057 COOK 200

BD

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

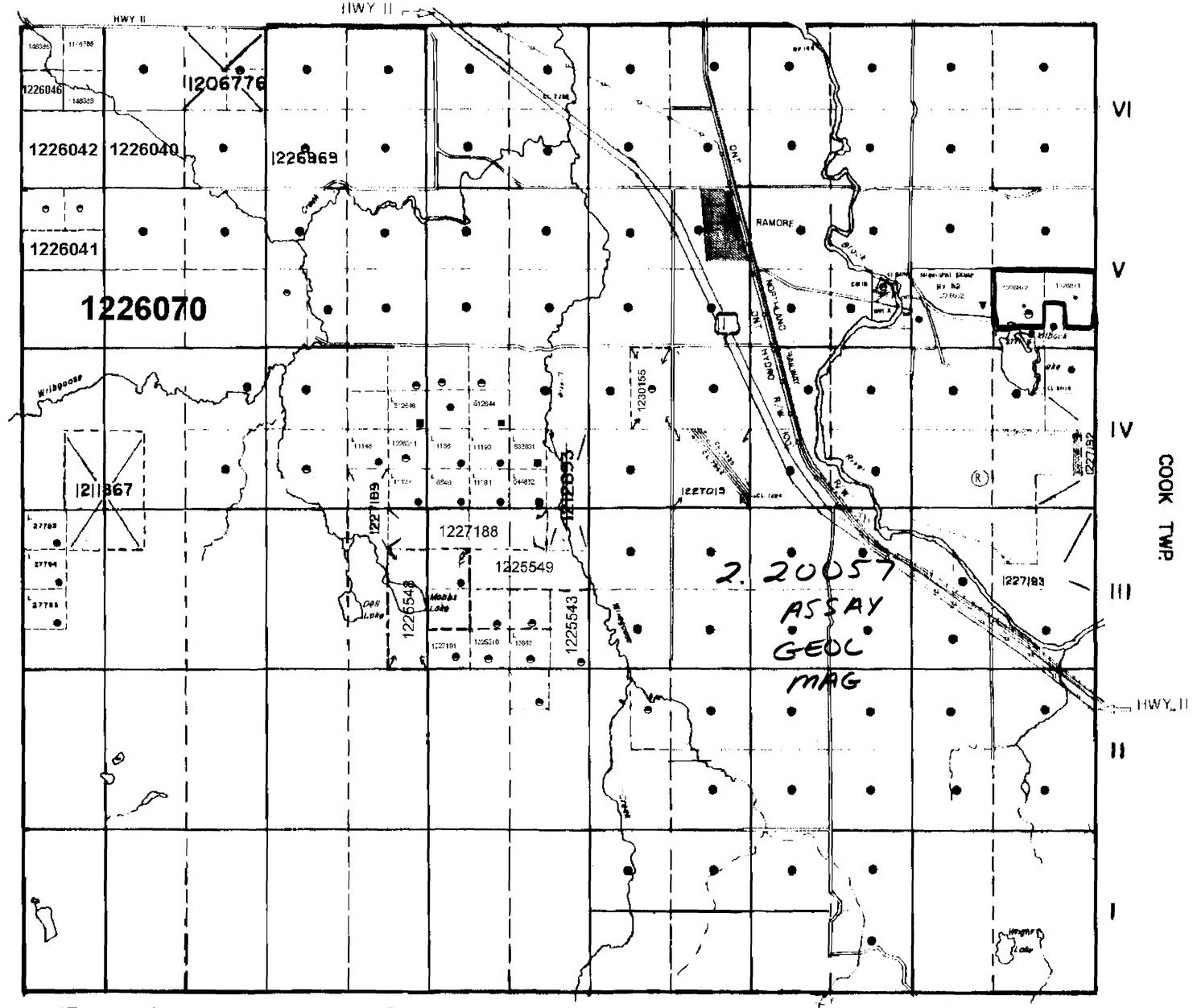
Description	Order No.	Date	Disposition	File
SEC. 36 / 80	NR. M 28/96	18/04/96	SURFACE & MINING RIGHTS WITHDRAWN	

NOTES

RAMORE TOWNSITE SHOWN THUS

42A08NE2012 2.20057 COOK 210

HISLOP TWP.



IN SERVICE AUG 29/96

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC
  - LOTS, MINING CLAIMS, PARCELS, ETC
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	●
" MINING RIGHTS ONLY	●
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	C.S
ORDER-IN-COUNCIL	OC
RESERVATION	®
CANCELLED	●
SAND & GRAVEL	●

SCALE: 1 INCH = 40 CHAINS

FEET 0 800 1600 2400 3200 4000
METRES 0 200 400 600 800 1KM 2KM

TOWNSHIP

PLAYFAIR

DISTRICT
KIRKLAND LAKE
MINING DIVISION
LARDER LAKE

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

Date

Plan No.
M-381

HISLOP | GUIBORD

0 | 5E | 10E | 15E | 20E | 25E | 00 | Pine R

L 799712 | L 799711 | L 799719 | L 799721 | L 799723 | L 799724 | L1225064 | L858982

L1217719 | L 799714 | L 799720 | L 799722 | L 799726 | L 799725 | 3S | L858983

L1222585 | L 799715 | L779727 | L779728 | 858980

L779730 | L779729 | 1229505

L1217720 | L 884191 | L 1222586 | L 884192

L 884189 | L 884190 | S12

L 1221939

1226872 L | L 1226871 | 10W | 5W

27S | 30S | 15W | 10W | 5W | 0 | 5E

LOT 2 | LOT 1 | CON V | CON IV

HISLOP FAULT | PLAYFAIR COOK | FAULT

LM | HM | P | IP | J4 ½ | J10 | J7 | J27 | J29 | J31 | A12 ½ | S15 | S13 ½ | S14 ½ | A19

muskeg | pop | alder | spr | mas bst | one day traverse | TRAV. | See Anomalous Pt. Area | BC87-1

N618907-12 | UZ-18-1 | N618851-57 | UZ-98-A | See "1998 Drill Plan" | IP Zone | b lines | 90 | 58 | 59 b 61 | 60

Mag Profile | pine | spr. | alder | pop. | 915' | 122' | 71° E | 13,14 | msk. | Bk | Townsite for detailed radar base | spr. | gv. | msk. | mas bst.

LEGEND

- • 64 — Sample station for N 618864
- pop, p — Poplar
- s, spr — Spruce
- S 15 / 1 — ---- = September 15 traverse/1 day. J = July, A = August
- LM = Axis of low magnetic intensity
- HM = Axis of high magnetic intensity.
- P = Patented

R. Ken Germundson Feb 7/2

WILZEL RESOURCES LIMITED

COOK TOWNSHIP, ONTARIO NTS 42A/8

LARDER LAKE MINING DIVISION

COMPILATION MAP

R. Ken Germundson — November, 1999

0 | 100 | 300 | 500m | 700

2.20057

Wilzel Resources Ltd