norontex exploration ltd.

THE ROWAN LAKE CLAIMGROUP

N.W. Ontario

July 1984

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SUMMARY

The evaluation of the Rowan Lake claim group is based on research of available data in the files of the Resident Geologist's Office, Ministry of Natural Resources, Kenora, Ontario, geological publications and the author's personal experience in the area.

The 47 Rowan Lake claims cover a series of mafic to intermediate metavolcanics, Archean in age and intruded by numerous mafic dikes and sills of predominantly gabbroic and dioritic composition.

Faulting has been observed, displacements are generally small.

In the past a considerable number of gold prospects and gold occurrences have been located in the general area.

Of these prospects, the Lockwood-Nuinsco joint venture near Cameron-Beggs Lake - inferred and drill indicated tonnage 1,287,000 tons @ .154 oz/ton gold - and the Monte Cristo, with a recent drill intersection of 42.6 feet averaging .27 oz/ton gold in one of the two ore zones, are presently being delineated.

The close proximinty of the Rowan Lake claim group with respect to the Cameron-Pipestone fault system and with respect to the aforementioned deposits, together with similar geological environments which host copper and

copper-gold deposits such as the Maybrun, and the reported malachite, chalcopyrite, pyrite and pyrrhotite on the property warrant the implementation of a two phased exploration programme.

At present, the Rowan Lake claim group is not known to contain mineralized zones, sufficiently extensive to constitute a commercial orebody.

Various data gathering options are considered, resulting in the proposal of a two-phased programme in which Phase II should be dependent on obtaining favourable indications from Phase I, the "preliminary investigative" phase.

The proposed phased programme of mapping, geochemical, geological and ground geophysical surveys, trenching, sampling and diamond drilling is designed to locate mineralized zones in an attempt to establish a commercial and mineable orebody.

Total cost of this programme is estimated at $185,000.

INTRODUCTION

On behalf of Newfields Minerals Inc., Kengate Resources Ltd., and Interstrat Resources Inc., Norontex Exploration Ltd. was commissioned by Mr. J. A. Clark of Newfields Minerals Inc., on June 18, 1984 to study data on the Rowan Lake claim holdings, N.W. Ontario and to comment on the economic viability of these claims.

In recent years, new concepts on gold deposition have led to a major revival in exploration for this metal in N.W. Ontario.

Targets of these efforts are the low grade, high tonnage type of deposits in shear zones and/or schistose zones in volcanic sedimentary belts.

On account of the limited surface expression, the shear zone type has received far less attention in the earlier days than the possibly related quartz-carbonate vein type. Consequently large areas of good gold potential have remained virtually unexplored.

Currently, the recognition of this fact has led to intensive exploration, not only within the old camps but also on strike with the latter, in favourable structure and lithologies.

Based on these new developments, Newfields Minerals Inc., Kengate Resources Ltd., and Interstrat Resources Inc., acquired the 47 claim claimgroup, where past exploratory work has been very limited.

The author visited the property on June 21 and 22, 1984, accompanied by Mr. R. van Enk, M.Sc. of Norontex.

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MDIR	No. K0146	Denlake Prospect
MDIR	No. K0191	R. Longe Prospect
MDIR	No. K0134	Bergman Occurrence

Murdick Claims, Rowan Lake Area, 3 drillholes 1956

Ni-Cop Mines Limited:

1957 - Geology map and report
1957 - Electromagnetic surveys,
Rowan - Denmark Lakes property
1956 - diamond drill records; 10 holes

DESCRIPTION OF MINING CLAIMS

The mining claims, situated in the Rowan Lake area, M2580, Kenora Mining Division and known as the "Rowan Lake" claimgroup, form a contiguous block, which totals 47 claims, of which 43 claims average approximately 40 acres per claim, whereas 4 claims average approximately 20 acres.

Thus the total acreage of the claimgroup is approximately 1,800 acres (728.5 hectares) - see figure 1.

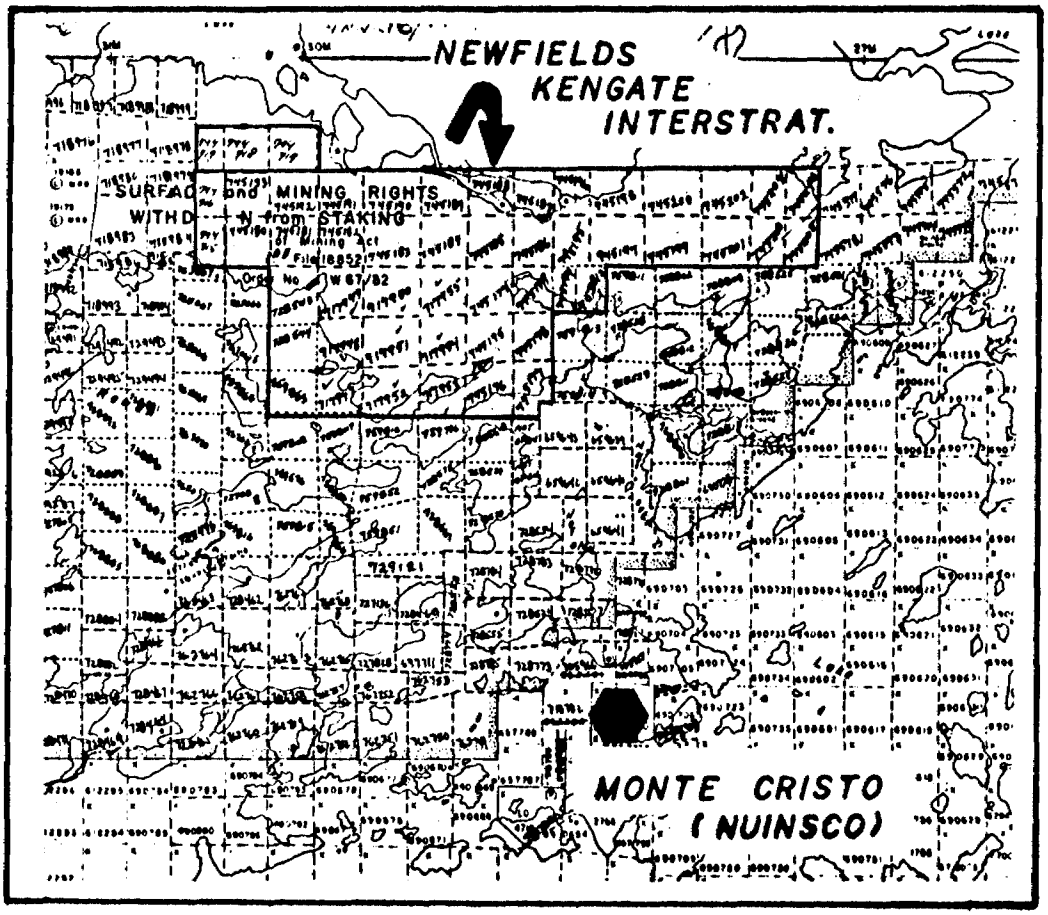


FIGURE 1

Description of Mining Claims cont'd .13

Early February 1984, 42 claims were staked by B. Youngman c.s. and 5 claims were staked on June 21, 1984 by R. van Enk.

All 47 claims are being transferred to Newfields Minerals Inc., Kengate Resources Ltd., and Interstrat Resources Inc. and may be described as follows in accordance with the Ontario staking system.

Reference Map	Claim Map	Claim No.	Expiry Date
Rowan Lake	M-2580	717947	February 17, 1985
		717948	February 17, 1985
		717949	February 17, 1985
		717950	February 17, 1985
		717951	February 17, 1985
		717952	February 17, 1985
		717953	February 17, 1985
		717954	February 17, 1985
		717955	February 17, 1985
		745174	February 17, 1985
		745175	February 17, 1985
		745176	February 17, 1985
		745177	February 17, 1985
		745178	February 17, 1985
		745179	February 17, 1985
		745180	February 17, 1985

Description of Mining Claims cont'd .14

Reference Map	Claim Map	Claim No.	Expiry Date
Rowan Lake	M-2580	745181	February 17, 1985
		745182	February 17, 1985
		745183	February 17, 1985
		745184	February 17, 1985
		745185	February 17, 1985
		745186	February 17, 1985
		745187	February 17, 1985
		745188	February 17, 1985
		745189	February 17, 1985
		745190	February 17, 1985
		745191	February 17, 1985
		745192	February 17, 1985
		745193	February 17, 1985
		745194	February 17, 1985
		745195	February 17, 1985
		745196	February 17, 1985
		745197	February 17, 1985
		745198	February 17, 1985
		745199	February 17, 1985
		745200	February 17, 1985
		745201	February 17, 1985
		745202	February 17, 1985
		745203	February 17, 1985
		745204	February 17, 1985
		745205	February 17, 1985
		745206	February 17, 1985

Description of Mining Claims cont'd .15

Reference Map	Claim Map	Claim No.	Expiry Date
Rowan Lake	M-2580	794715	June 26, 1985
		794716	June 26, 1985
		794717	June 26, 1985
		794718	June 26, 1985
		794719	June 26, 1985

LOCATION, ACCESS, SERVICES, TOPOGRAPHY and NATURAL RESOURCES

LOCATION:

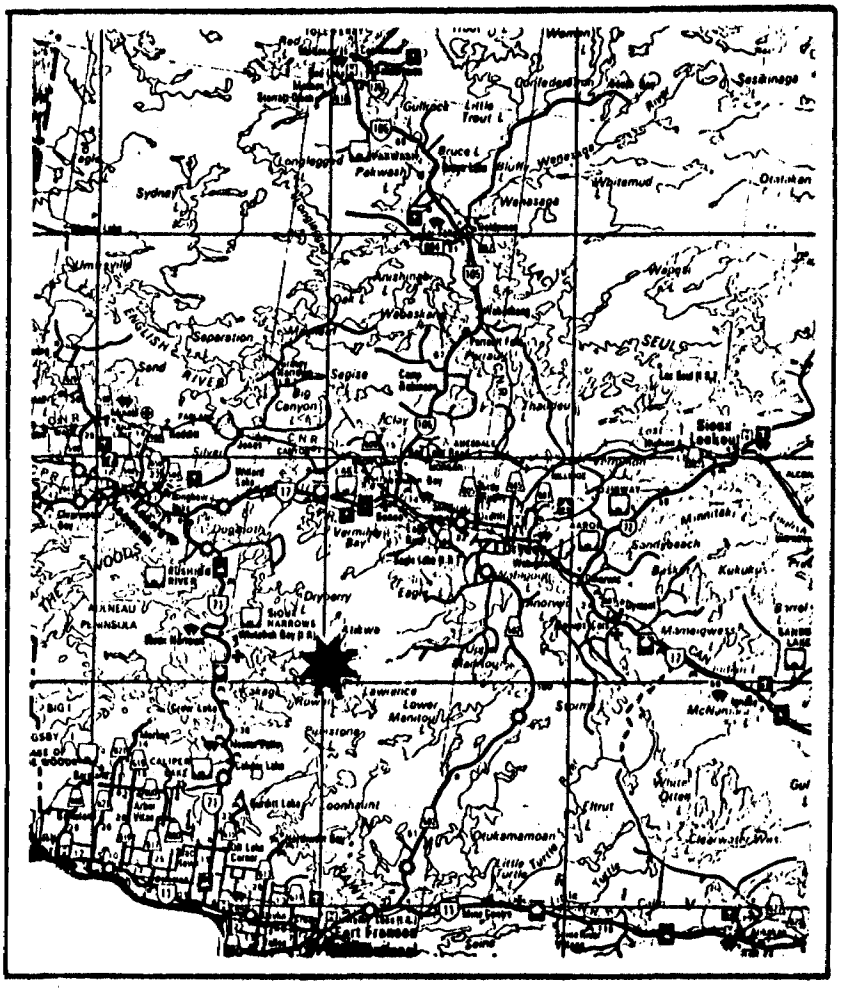


FIGURE 2

The Rowan Lake claimgroup is located approximately 48 airmiles southeast of Kenora and 46 airmiles southwest of Dryden, N.W. Ontario.

The centre of the claim block is about longitude 93°35' and latitude 49°21', N.T.S. 52F-5, Mining Claim Map M-2580, Rowan Lake, Kenora Mining Division.

ACCESS:

In the summer the property is easily reached by floatplane from bases located in Kenora, Dryden or Nestor Falls. Access in the wintertime is by means of ski-equiped aircraft or by truck to Cameron Lake (ice road) and snowmobile from Nestor Falls via Kakagi Lake.

Road access could become possible in the near future as current lumber access roads, coming from the north-east and originating from the Manitou Highway #502 push deeper and further into the region. Moreover, a road is being considered to connect Sioux Narrows with Cameron Lake to accomodate the possible exploitation of the Dubenski property at Flint Lake and the Lockwood-Nuinsco deposit at Cameron Lake.

If this road becomes a reality, a mere 4 miles separates the Rowan claimgroup from the road.

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

The presence of the Mining Recording Office, the Land Titles Registry Office, the District Ministry of Natural Resources Office and the Resident Geologist's Office in Kenora - some 120 km to the west of Dryden, facilitates activities associated with mining and exploration.

TOPOGRAPHY:

The general Rowan Lake area is typical of the Precambrian terrain, having broad rolling topography with general cover of glacial deposits, swamps, muskegs, and lakes. The relief of the Eagle Lake area is moderate; hills generally average less than 200 feet to 300 feet above lake levels.

RESOURCES AND NATURAL RESOURCES:

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

Lumber activities are carried out extensively throughout the Manitou Lake area by Great Lakes Forestry Products with its plant and stud mill in Dryden and Boise Cascade in Fort Frances. Highway 502 accesses the prinicpal cutting areas.

Timber consists of poplar, ash, cedar, balsam-fir, birch, black spruce, jackpine, white pine and red pine, the latter frequently being observed in superb stands.

HISTORY

General:

Historically, mining activities in the general area have centred primarily around gold, the search for this metal dating back to the late 1800's. During the periods 1895 to 1912, the 1930's and the early 1940's, 1960's and the early 1970's, the general district was the scene of considerable gold prospecting.

Base metal explorations took place intermittently during the last three decades with Kennco, Freeport, Amax, Hudson Bay Oil and Gas, Ni-Cop Mines Ltd., Selco, Inco, Beth Canada and Dome as the principal participants.

During the 1950's, the Denmark Lake area was the centre of exploration activities by Ni-Cop Mines Ltd. and Dome Exploration (Canada) Ltd. Substantial exploration programs were carried out in the area west and north of the Rowan Lake claimgroup.

In general it can be stated that the search for base metals has met with only limited success eventhough it ought to be noted that several miles north of Cameron Lake two small deposits - copper/gold and

nickel/copper - have been outlined (Maybrun and Kenbridge).

From 1979 onwards, gold exploration in the region intensified, primarily due to the rapid increase in the price of gold, which reached an alltime high in early 1980, and more recently due to the developments in the Hemlo gold camp.

The grade and widths, as reported from the drilling by the Nuinsco-Lockwood joint venture on the Cameron-Beggs Lake gold prospect culminated in a staking rush during 1983 when more than 10,000 claims were recorded for the Kenora Mining Division.

The Cameron-Beggs Lake gold prospect had previously (1960-1961, and 1974) been investigated by Zahavy Mines Ltd. and Noranda. Eventhough encouraging gold values were obtained from this property, it was concluded from the drill results that gold mineralization lacked continuity.

Hunter and Curtis (1983) are quoted as follows on the detailed history of this prospect.

"Property History"

Two prospectors, Joe Bourke and Alex Bouchie discovered gold between Cameron and Beggs Lakes during the spring of 1960. Of the two principal occurrences they are

responsible for locating, the #1 Zone, a sulphidic quartz-carbonate vein carrying up to 1 ounce gold per ton across 5 feet, attracted the most attention. Their #2 Zone was characterised by relatively wide sections of generally low grade rock as judged by their original packsack drill programme and subsequent drilling done by Noranda in the period 1960-1961. This latter gold occurrence represents the surface expression of the newly discovered Nuinsco/Lockwood Main zone.

Noranda Mines conducted two separate drill programmes, in 1960-1961 and later in 1974 when they took an option on mining claims then held by a junior company, Zahavy Mines Ltd. Noranda completed a total of about 7,000 feet of diamond drilling during these programmes. In addition, this company conducted prospecting, magnetic and E.M. surveys over an area that corresponds to the western half of the present Nuinsco/Lockwood property. Nuinsco Resources Limited acquired the property from two Thunder Bay, Ontario prospectors in 1980. A diamond drill programme totalling 5,681 feet was completed in 1981 which focused on the #2 Zone. Results were positive including an intersection in drillhole NC-19 which assayed 0.27 oz/ton gold over a 40 foot core length. The most important result, however, was the realization that gold mineralization was widespread, occurring across a 200 foot wide zone of sheared and altered basaltic rocks. The deeper holes, particularly,

reinforced this interpretation. Diamond drill hole NC-16 cut four separate goldbearing intersections, including a 31.5 foot section assaying 0.14 oz/ton at a vertical depth of 400 feet. Significantly, the deepest hole drilled by Noranda went to a vertical depth of about 150 feet. In 1981, seventeen drill holes were centred on the #2 Zone all of which intersected gold mineralization. Although, there were serious correlation problems between drill sections established at 50 foot centres, a programme of deeper drilling appeared to be warranted. Due to the economic climate it was not possible to raise exploration funds through public financing. As a result, Nuinsco entered into a joint venture agreement with Lockwood Petroleum Incorporated of Vancouver, which allocated $500,000 to the project. Project management and supervision was retained by Nuinsco Resources.

In March, 1983 drill holes NC-20, NC-21 and NC-22 were collared on 100 foot centres north and east of NC-16, the deepest previous hole. All three holes intersected a major gold-bearing structure with a true width in excess of 100 feet. An intersection in NC-22 returned a weighted average grade of 0.15 oz/ton gold over 70 feet, including a 30 foot section whic assayed 0.24 oz/ton. These intersections provided the impetus for the extended 1983 drill campaign, which totalled in excess of 65,000 feet."

Recently, a second gold prospect, the Monte Cristo, has made the headlines with impressive drill results (see also Economic Geology).

This gold prospect occurs less than 2 miles south south-east of the Rowan Lake claimgroup.

Historically, this occurrence goes back to the early 1900's when trenching took place, followed by (shallow) shaft sinking during the period 1900-1936 and diamond drilling in 1937.

Local:

Previous exploratory work, performed on the ground which is presently known as the Rowan Lake claimgroup, is minimal. The assessment files list only two operators, R. Longe and Amax Exploration Inc. and Hudson Bay Oil and Gas Co. Ltd. on the periphery of the group.

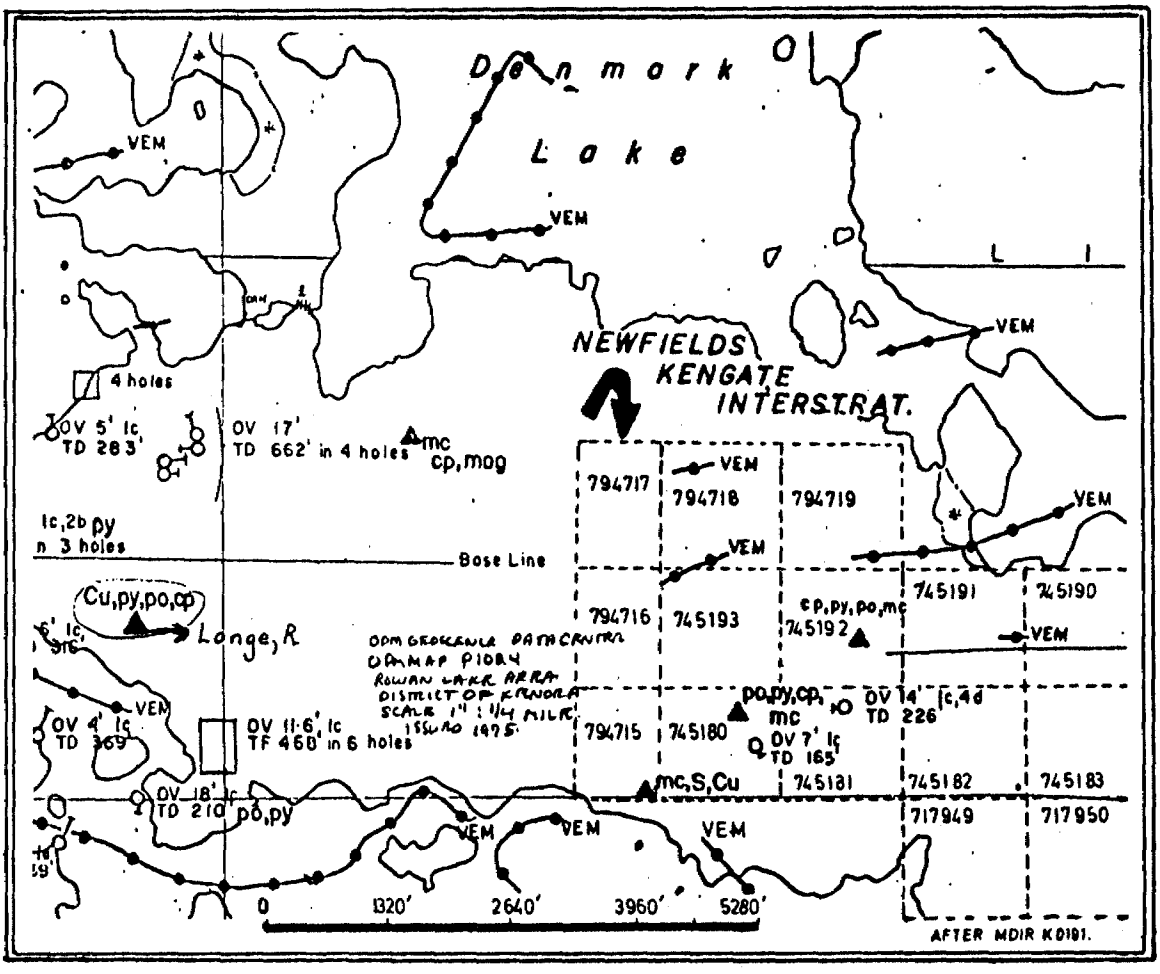


FIGURE 3

MDIR file K0191 describes the R. Longe property, which during 1956 and 1957 was held under option by Ni-Cop Mines Ltd and Denrow Mines Ltd. Work consisted of trenching, geological mapping, electromagnetic surveys and diamond drilling. Two drill holes, one @226 feet and one @165 feet are indicated in figure 3. No geological information on the drilling is available.

Most of this work was conducted in the area west of the Rowan Lake group; it is not known where the location of trench No.1 is, which reportedly returned an average of 4.15% Cu, .03 oz/ton Au and 2.00 oz/ton Ag over 12 feet length and 3 feet width.

In the period 1970 to 1972 Amax Exploration, Inc., conducted magnetometer and electromagnetic surveys over two claims which currently are covered by the south half of claim 745197 and 745199: two east-west running parallel conductors were outlined but not probed by diamond drilling.

Eventhough the Hudson Bay Oil and Gas Co. Ltd., should not be listed under "History, Local", it is worth mentioning that this company drilled one hole for a total length of 446 feet on a conductor outlined by Amax Exploration Inc., (the Amax Option).

Drilling took place in 1973 and the location is approximately 1,700 feet south of the south boundary of claim 745199. Although no assay results are reported in the drill log, the description of the geological intersections deserves further attention: details are given under "Economic Geology".

GEOLOGY

Regional:

The general Rowan Lake-Cameron Lake area lies at the western extremity of the Savant Lake-Kakagi Lake metavolcanic-sedimentary belt; this belt is part of the Wabigoon Subprovince and Archean in age.

The meta volcanic-meta sedimentary assemblages of the Wabigoon Subprovince show a pronounced northeast alignment with "local deflections" around large acid batholiths - see figure 4.

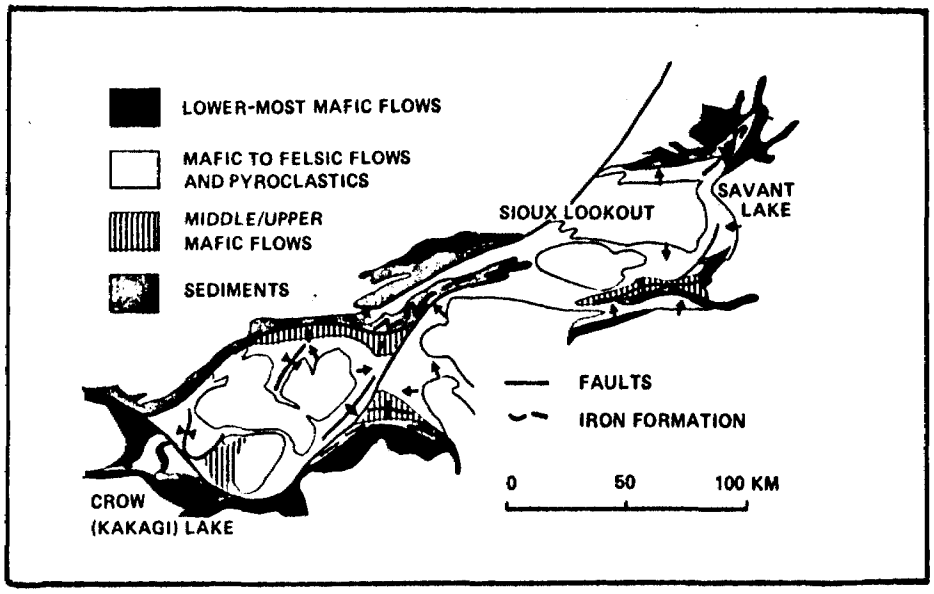


FIGURE 4

(after Figure 2 - Sketch map showing broad lithostratigraphic relationships and structural complexity of the Savant Lake-Crow Lake area - Trowell et. al, 1980)

Near Kakagi Lake, the region is divided geologically by the major Pipestone-Cameron Lake fault system. Southwest of the fault, an east to north facing assemblage of intermediate pyroclastics and sediments, ie. the Kakagi volcanics, is complicated by folding. The Kakagi volcanics are underlain by thick series of predominantly pillowed mafic flows.

Intrusions of differentiated ultramafic to mafic sills is extensive.

Northeast of the fault a thick basal mafic submarine flow sequence in the core of the Shingwak Lake anticline (the Rowan Lake volcanics) is overlain by a mixed sequence of "Cameron Lake volcanics" which consist of mafic, submarine, pillowed lava's and aquagene breccia's, pyroclastics and minor chert beds.

There is reason to assume an unconformity at the base of the mixed sequence.

As for the area west of the Cameron-Pipestone fault, sequences east of this fault are intruded by gabbro sills, particularly the lower part of the mixed sequence.

Numerous quartz feldspar and feldspar porphyry dikes and sills intrude this strategraphic level (Blackburn and Hailstone, G.R.S., 1983).

The Pipestone-Cameron Lake Fault System

The predominant geological feature within the general Rowan Lake area is the Cameron Lake-Pipestone Lake fault zone which trends in southeasterly direction through Cameron Lake-Otterskin Lake-and Pipestone Lake and which is characterized by strong deformation and carbonatization in outcrops.

Figure 5 (data after Bureau Mining Corporation, 1983) shows the Cameron-Pipestone faults one as a distinctive magnetic break with stratigraphic units generally striking northeast, east of the break and sequences west of the fault trending east west.

Watts (1983) in his report to Bruneau Mining interprets the magnetically quiet portions as consisting of intermediate to felsic volcanics, metasediments and non magnetic mafic volcanics.

Numerous magnetic gabbro sills and mafic metavolcanics are evident in figure 5.

Folding

Blackburn et al. (GRS, 1983) state that, other than the Shingwak Lake anticline, there is no evidence of any repetition of the sequences by folding. They

furthermore indicate that top determinations are sufficient to state fairly confidently that the whole sequence faces homoclinally southward.

Local

The area, occupied by the Rowan Lake claimgroup is underlain by predominantly mafic to intermediate volcanics, roughly east-west trending and consisting of pillowed basalts, andesitic lava, and massive basalt lava, intruded intensively by generally small sills and bodies of diorite and gabbroic composition; tuffs and lapilli tuffs are sporadically encountered.

The area to the north of the claimgroup consists of the younger "Denmark-Rainmaker" granitic intrusive, which undoubtedly may have contributed to the general alignment of the older sequences.

Kaye (1973) recognizes an amphibolite facies/ chlorite facies contact zone which contortedly weaves itself in an east-westerly trend through the middle and southern portion of the claimgroup.

Folding and Faulting

There is no immediate evidence of folding on the property. Several northwest-southeast trending faults have been noted close to the western portion and centre area of the claimgroup, whereas the east area shows a number of northeast-southwest trending faults; no major displacements along the faults have been observed.

ECONOMIC GEOLOGY

General:

With the present developments taking place at the Monte Cristo and the Cameron-Beggs Lake Nuinsco-Lockwood joint venture, it becomes clear that gold will be the principal resource of the mining activities in the area.

The Northern Miner (March 22, 1984, page 3) reported reserves for the Cameron-Beggs Lake deposit in the order of 750,000 short tons grading .20 ounces per ton of gold or 1,500,000 tons grading .15 ounces per ton.

These figures were revised on June 7, (Northern Miner) when Nuinsco Resources inferred 1,287,000 tons grading .154 oz/ton of gold.

With regard to the Monte Cristo, the latest information (Northern Miner, June 7, 1984) indicates that drilling by Nuinsco Resources intersected 42.6 feet grading .27 oz/ton of gold in one of the two ore zones.

On a regional scale, gold showings in the Cameron Lake and Rowan Lake areas are generally associated

with zones of shearing and alteration. The zones of shearing may vary in direction but the alteration-mineralization assemblage is consistent, namely carbonate-sericite-quartz±pyrite, free gold and rare chalcopyrite (Hunter and Curtis, 1983).

A large number of gold occurrences, among others the Monte Cristo and the Cameron-Beggs Lake deposit are situated within the upper, mixed flow and pyroclastic sequence - see figure 6.

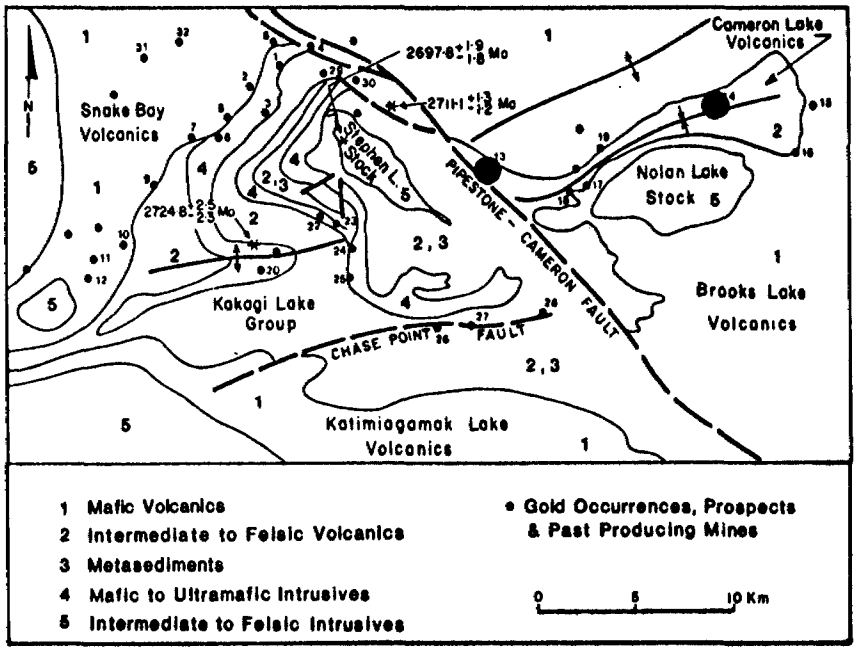


FIGURE 6

(after figure 3 - Blackburn and Janes, 1983)

13 = Lockwood-Nuinsco 14 = Monte Cristo

Blackburn et al (GRS 1983) note the close association with gabbro sills and felsic prophyries and moreover state that gold is not associated primarily with shearing: the key factor is considered to be alteration and in particular carbonatization and silicification, although shearing undoubtedly provided channelways for fluid migration.

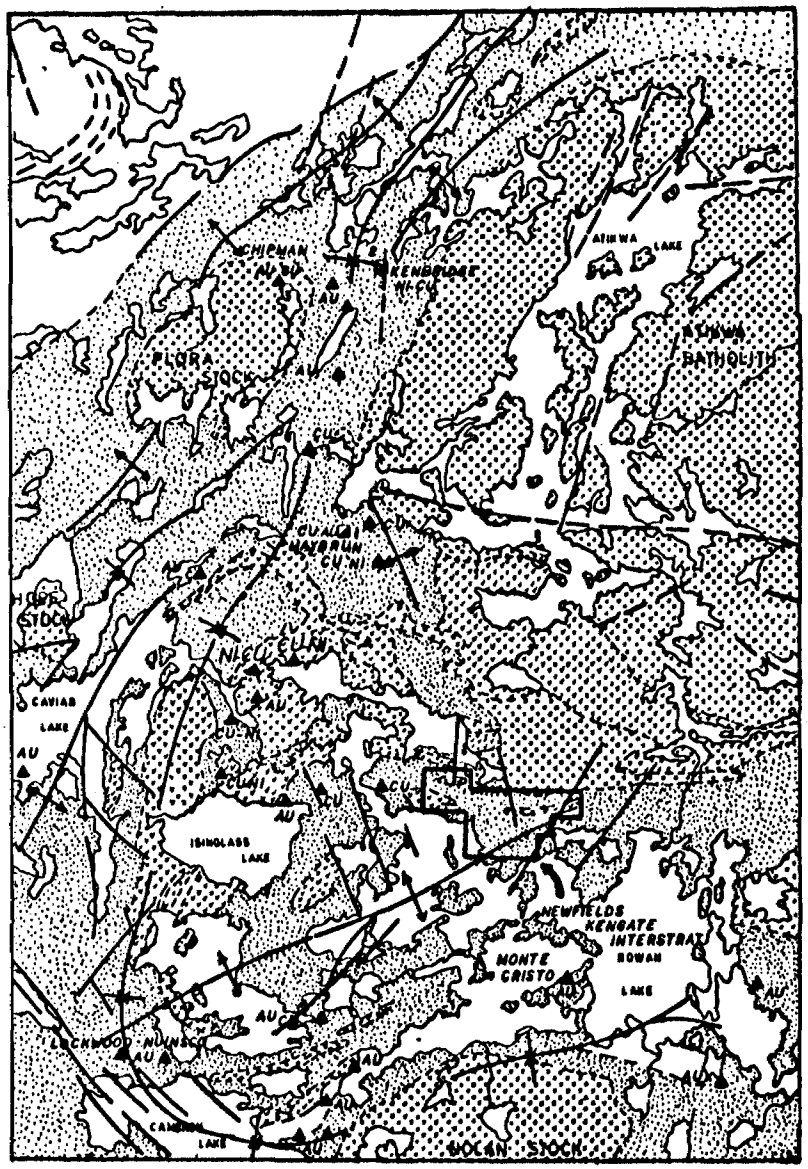
The author's (Blackburn and Hailstone) certainly do not downplay the importance of shearing in localizing gold mineralization and submit another contributing factor of prime importance, ie."stratigraphic level", which is the transition from lower mafic sequences into overlying mixed sequences.

The authors cite five areas in N.W. Ontario where gold is concentrated at these levels and conclude their presentation (GRS,1983) with the following statement:

" To this favourable stratigraphic level add: shearing, the all important felsic porphyries, and maybe gabbros, and accompanying carbonatic and silicic alteration and presence of disseminated sulphides, and you are in an excellent environment to find gold."

Economic Geology cont'd .36

The foregoing highlights the geological locale for the general area northeast of the Cameron-Pipestone Lake fault system and the implications with respect to the Rowan Lake claimgroup.



GEOLOGICAL COMPILATION MAP

(MODIFIED AND SIMPLIFIED AFTER MAP [illegible])

MILES

FIGURE 7

However, a second consideration ought to be given to the area folded and sandwiched inbetween the Atikwa Lake batholith, Flora Lake stock and the Nolan Lake stock - see figure 7.

The area is characterized by an abundance of gold, copper, copper-gold and copper-nickel showings and prospects of which the Maybrun Mine (copper-gold, #1) and the Kenbridge Mine (copper-nickel, #2) are the more important ones with underground developments and reserves: Maybrun Mines Limited listed ore reserves in 1965 at 2,824,825 tons at 1.18% copper and .08 ounces of gold of which 1,508,454 tons average 1.48% copper and .11 ounces of gold.

Davies (1973) states for the Maybrun that the copper-gold distribution is generally associated with quartz-carbonate alteration and stringers.

For the Chipman Lake Mine (copper-gold, #3), Davies (1973) indicates that most of the rocks are altered and carbonate is abundant in places.

For a number of gold prospects in the area, a common characteristic appears to be the association with shear zones in a variety of metavolcanics and intermediate intrusives.

Economic Geology cont'd .38

The similarity of the geological environment and mineral assemblages of the Rowan Lake claimgroup with the previously mentioned copper and copper-gold occurrences lend potential to the claimgroup with respect to this type of mineralization.

This is further accentuated by the various copper occurrences around Denmark Lake, among others the Denlake prospect, which carries chalcopyrite and pyrite in silicified andesite near a north-south fault zone and which was explored by Denlake Mining Company Ltd. in 1952. This prospect saw further exploratory work by Dome in 1955, when chip sampling across 5 feet widths reported values ranging from .59% Cu to 2.16% Cu (MDIR K0134).

Copper and gold values have been reported from the Longe prospect (MDIR K0191) - see also figure 3 - where sampling of trench #1 reported average values of 4.15% Cu, .03 oz/ton Au and 1 oz/ton Ag, over a width of 3 feet and a length of 12 feet. (Shlanka, 1969)

Economic Geology cont'd .39

Local:

Exploratory work on the Rowan Lake claimgroup has been minimal in the past (see "History").

Ni-Cop Mines Ltd. and Denrow Mines Ltd., who held the Longe property under option in the 1956-1957 period, are credited with most of the work - see figure 3.

Two drill holes were drilled - no details available- in close proximity to a series of trenches where malachite, chalcopyrite, pyrite and pyrrhotite were noted (MDIR K0191). The position of these drill holes as shown on Map P831 (Kaye, 1973) is incorrect.

Ground geophysical surveys, performed by Amax Exploration Inc., in 1970-1972, outlined two paralleling conductors but were not tested by diamond drilling.

The locations of magnetic attractions as indicated on Map P831 (Kaye, 1973) can be explained by pyrrhotite or magnetite concentrations: these deserve closer investigation.

In 1973 Hudson Bay Oil and Gas Co. Ltd., drilled one hole for a total length of 446 feet, approximately 1,700 feet south of the present south boundary of claim 745199. No assay results are reported but some of the geological intervals are worth mentioning; several strongly to well foliated schistose intersections and talcy and chloritic zones associated with quartz carbonate veining were cut; quartz carbonate veining and stringers were abundant and minor chalcopyrite, pyrrhotite (magnetic) and pyrite were observed as were silicification and shearing.

CONCLUSIONS AND RECOMMENDATIONS

The presence of several gold occurrences, gold showings and prospects with known gold potential in close proximity to the Rowan Lake claimgroup and in geological environments similar to the ones underlying the said property, the presence of faults and the occurrences of malachite and sulphides such as chalcopyrite, pyrite and pyrrhotite warrant the implementation of a phased programme.

This phased programme is designed to locate goldbearing zones or concentrations in an endeavour to establish a commercial and mineable orebody.

Based on experience gained in similar environments in N.W. Ontario, limited grid establishment, surface prospecting, geological mapping, reconnaissance geochemical sampling, trenching and sampling constitute the best approach for the preliminary investigative phase. (Phase I)

When anomalous horizons or zones are located, follow-up geophysical techniques should be applied to further delineate these zones under water or overburden.

Conclusions and Recommendations cont'd .42

If the results obtained during Phase I are encouraging, as it is expected to be, Phase II is to be implemented.

The proposed two-phased programme is estimated at $185,000.

Phase I - The "preliminary investigative" phase.

1)	Minimum grid establishment - 8 miles	$ 3,000
2)	Geological mapping, minor trenching sampling and report preparation	3,180
3)	Geochemical sampling	3,800
4)	Analyses - 600 soils and 40 rocks	7,820
5)	Mobilization, demobilization, misc. supplies	2,200
		$20,000

Phase II - The "supplementary detail" phase, upon successful completion of Phase I.

1)	Establishment of 200 foot grid 72 linemiles @$300 per linemile	$21,600
2)	VLF and magnetometer surveys 80 linemiles @ $280 per linemile	22,400
3)	Electromagnetic survey: 8 linemiles @ $250 per linemile	2,000
4)	I.P. survey: 10 linemiles	17,800
5)	Detailed geological mapping 15 days	4,500

Conclusions and Recommendations cont'd .43

6)	Geochemical sampling - 800 samples	$ 4,800
7)	Analyses cost - geochem. samples	9,600
8)	Trenching and channel sampling 20 days @ $375 per day (2 persons)	7,500
9)	Sample analyses	2,000
10)	Diamond drilling 2,500 feet @ $23 p/ft	57,500
11)	Contract engineering, core logging, sections, assaying, contingencies	10,500
	Total	$165,000

Recapitulation:

Phase I	@	$ 20,000
Phase II	@	165,000
GRAND TOTAL		$185,000

CERTIFICATE OF QUALIFICATION

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

1) I am a consulting geologist and reside at 3 Bedworth Road, Dryden, Ontario.

2) I am a Professional Engineer in the Province of Manitoba.

3) I am a graduate of the State University of Utrecht, The Netherlands, and hold a Bachelor of Science Degree and a Master of Science Degree in geology and sedimentology.

4) I have been practising my profession as a Geologist since 1966. For a period of 16 years I worked nationally and internationally for a major Canadian mining company: during the last 6 years as Manager of Exploration.

5) I have no interest, either direct or indirect in the property described in this report and do not expect to receive, either directly or indirectly any interest in the securities of Newfields Minerals Inc., Kengate Resources Ltd., and Interstrat Resources Inc.

6) The accompanying report is based on a study of all reports and maps available of the property together with a two-day visit to the property.

DATED AT DRYDEN, ONTARIO, THIS 6th DAY OF July, 1984.

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

PROVINCE OF MANITOBA
J. LANGELAAR
REGISTERED ENGINEER

norontex exploration ltd.

July 6, 1984

The Board of Directors
Newfields Minerals Inc., Kengate Resources Ltd.
and Interstrat Resources Inc.
c/o 410 - 325 Howe Street
Vancouver, British Columbia
V6C 1Z7

Gentlemen:

RE: Report on the Rowan Lake claimgroup
District of Kenora, Ontario

In accordance with your instructions, I have prepared my report dated July 6, 1984 on the Rowan Lake claimgroup, District of Kenora, Ontario.

Permission is hereby granted to Newfields Minerals Inc., Kengate Resources Ltd. and Interstrat Resources Inc., to use this report for inclusion in their offering memorandum and to satisfy the requirements of the British Columbia Securities Act and Regulations and Regulatory Agencies created pursuant thereto.

Respectfully submitted,

NORONTEX EXPLORATION LTD.

Joop Langelaar, M.Sc., P.Eng.

PRESIDENT

JL:jl

Encl.

exploration and mining services
j. langelaar, r. van enk
3 bedworth rd, r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4
phone (807) 937-5085 or (807) 937-6871

norontex exploration ltd.

020

NEWFIELDS MINERALS INC., INTERSTRAT RESOURCES INC.,KENGATE RESOURCES LTD.

PRELIMINARY SOIL SAMPLING ON THE ROWAN LAKE CLAIM GROUP (N.W.ONTARIO)

NOVEMBER 1984

exploration and mining services
j. langelaar, r. van enk

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PELIMINARY SOIL SAMPLING ON THE ROWAN LAKE CLAIM GROUP

GENERAL

In october 1984 Norontex Exploration Ltd. was commissioned by Newfields Minerals Inc., Interstrat Resources Inc. and Kengate Resources Ltd. to carry out a pilot soil sampling over part of the latter three companies' claim group on the north shore of Rowan Lake, N.W. Ontario.

Origionally the pilot area covered some 160 acres, including claims 745180, 745181, 745192 and 745193. However, due to bad weather and freeze-up conditions only 70 % of the planned program could be completed. This was done from november 5 to november 9, when all field work had to be stopped because of imminent freeze-up of the lakes in the region. Nevertheless, most areas of interest, i.e. down ice from trenches and pits, were covered by sampling.

A total of 238 samples was collected on a 400x50 ft. grid. Picketlines were established by compass and hipchain and were turned off from a cut and chained baseline. Flagging was attached and marked every 50 ft.

LOCATION AND ACCESS

The sample area is located on the north shore of Rowan Lake between the latter and Denmark Lake. Access is only by float or ski equipped aircraft from Dryden or Vermillion Bay, N.W. Ontario. Distances are 45 and 36 miles respectively.

TERRAIN

The terrain on the north shore of Rowan Lake and, more locally in the pilot area, is of moderate relief. Bedrock knobs and ridges form the backbone of the topography, with glacial overburden deposited around, but mostly to the south and southwest of the higher areas. Whereas bedrock may express itself locally in short steep slopes and low bluffs, overburden

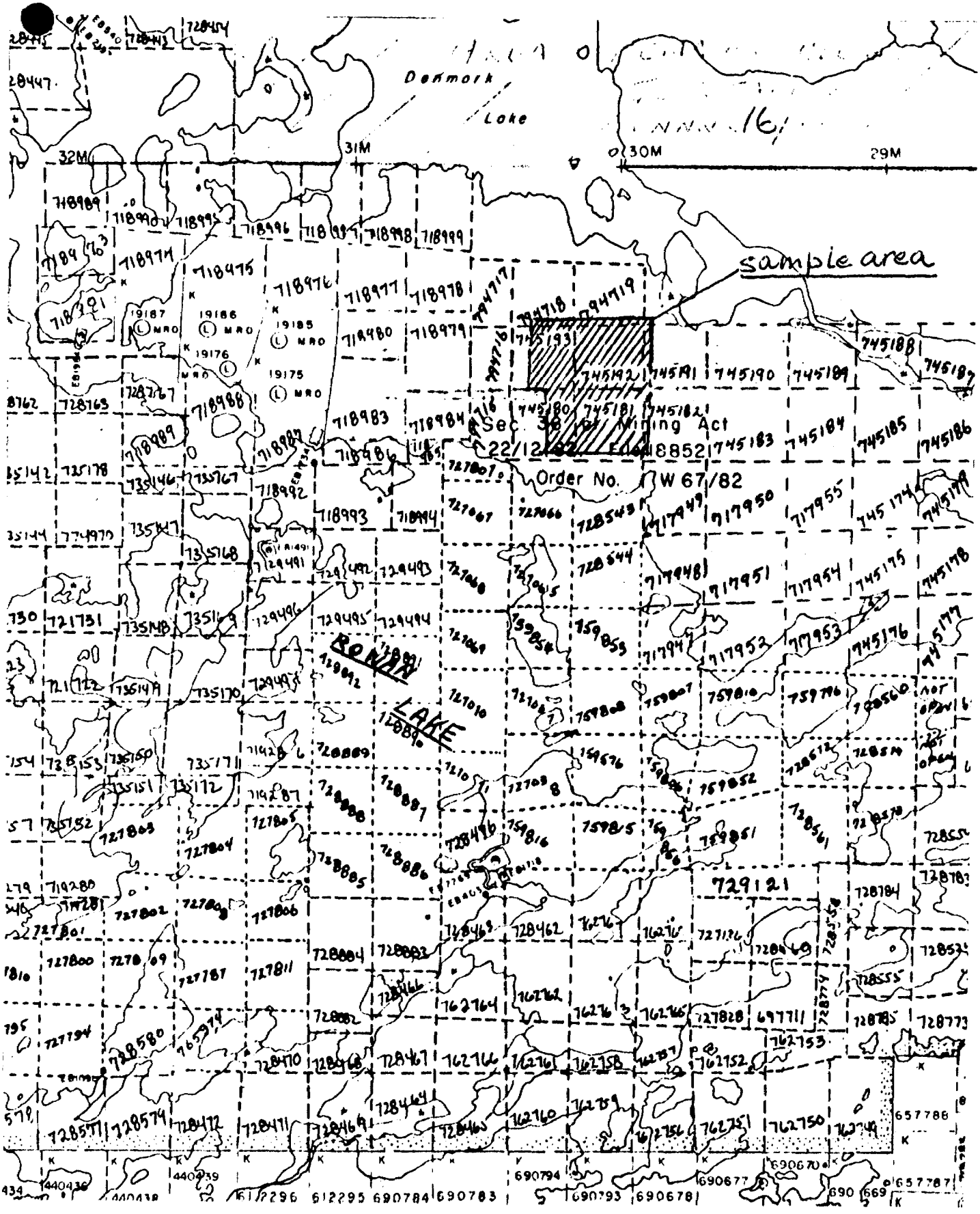


FIG. 1 LOCATION OF SAMPLE AREA

consisting of boulders, gravel, sand and some clay, generally occupies the gentler slopes and horizontal terrain. Swamps cover some 13% of the sampled area and support a moderate to dense growth of cedars, spruce and tag alders.

With respect to overburden and the degree of difficulty in taking the samples, the following types of terrain can be distinguished:

1) terrain immediately underlain by bedrock (some 16-17% of the sampled area). Collecting the samples often proved difficult. Material had to be searched from depressions containing smears and pods of glacial debris.

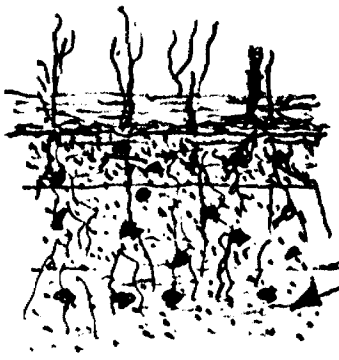
2) more gently sloping terrain underlain by
   a) boulders of varying size mixed with sand and gravel
   b) mainly sand mixed with gravel. In horizontal terrain in particular on the edge of swamps, a very dense greasy clay may occur.

   Whereas sampling in 2b) type of terrain is relatively easy, the collection in 2a) varies from easy to extremely difficult and sometimes impossible. Most of the gravel is angular to to sub-angular , but some of it is well rounded suggesting considerable transport for the latter.

3) swampy terrain (13% of the sampled area), underlain by at least two ft. of bog and peat. With the exception of the edges of the swamps, sampling of the B soil horizon is impossible in this terrain unless through the use of augers or special drilling techniques.

SOIL

Where glacial overburden is present and contains enough fine material, the soil profile is often well developed as illustrated below:



A — 2" loose organic debris and humus
A_1 — 1-2" mixed layer, humus, sand, silt
A_2 — 2" leached grey layer, mainly inorganic
B — variable thickness, oxidized, brown to grey, inorganic, some roots

In terrain immediately underlain by bedrock, the leached horizon may not exist, but smears and pods of glacial material (mostly a mixture of clay, silt and fine sand) may be found in depressions sometimes mixed with humus and fragmentsof partly decomposed bedrock.

A few samples were collected from the black to blue-grey clay in the reducing environment at the bottom of the bog layer in swampy terrain at depths of about 1½ ft. This material may be contaminated with organic matter.

SAMPLING PROCEDURE

Sample material was obtained by digging with a shovel well in to the B-horizon and by collecting the deepest part of the soil brought to surface. Coarse rock fragments and roots were rejected before putting the material in plastic sample bags.

Where the nature of the terrain prevented sampling in the immediate vicinity of a grid station (10 ft. radius), a more distant site was selected to obtain the correct sample material.

Average sample depth was from 20 to 25 cm and the material collected generally consisted of silty sand with variable amounts of rock fragments and gravel.

Sample lists, specifying the colour and composition of each sample and,generally,the environment in which the sample was taken, are added as an appendix to this report. Where sample sites do not coincide with grid stations, direction and distance

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from the station are indicated on the sample lists. Also added is a map indicating sample sites and numbers at a scale of 1"=100'.

Finally all 238 samples were shipped to Acme Analytical Laboratories in Vancouver, B.C. to be analysed for gold by FA+AA and for a 30 element ICP.

Dryden, november 27, 1984
Rein van Enk, MSc
Geologist/Geochemist
Norotex Exploration Ltd.

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SOIL SAMPLING

CLIENT: NEWFIELDS / INTERSTRAT / RENGATE
AREA: ROWAN LAKE
PROJECT NO. 1152
DATE: NOV 5-9 / 1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
q101 A1	LINE 48E 57N	20	B	fine sand	yell. grey	no samples at 56N and 56+50, cedar swamp
q102 A1	57+00N			fine sandy	dark brown	outcrop, rock fragments
03	58N			fine sand	grey brown	
04	58+50			fine sand	yell. brown	
q105 A1	59N			silty sand	brown	rock fragments between boulders
06	59+50			silty sand	brown	as q105
07	60N			clayey sand	dark brown	
08	60+50			clayey silt	dark brown	outcrop area some lyssnus, rock fragm.
09	61N			sandy clay	grey brown	boulders 15' W of station
q110 A1	61+50			sandy clay	grey brown	rock fragments
11	62N			silty sand	grey brown	fine rock fragm.
12	62+50			sandy clay	brown	
13	63N			sand	grey	some gravel
14	63+50			silty sand	grey brown	pebbles
q115 A1	64N			silty sand	rusty brown	numerous rock fragm.
16	64+50			silty sand	brown grey	rock fragm.
17	65N			silty sand	grey	boulders many rock fragments
18	65+50			silty sand	grey	few rock fragments
19	66N			silty sand	grey	boulders rock fragments
q120 A1	66+50			sand	rusty brown	boulders, rock fragm.
21	67N			sand	grey	boulders, rock fragm.
22	67+50			silty sand	dark brown grey	rock fragm.
23	68N			sand	brown grey	rock fragm.
24	68+50			silty sand	dark brown	outcrop, boulders, rock fragm. sample 15' N of station
q125 A1	69N			clayey silt	dark brown	
q126 A1	69+50			silty sand	grey	numerous rock fragm. edge of swamp.
						no sample at 70N swamp.

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SOIL SAMPLING

CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE

PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
	LINE 48E					56-51N in swamp
9127 A1	51N	20	B	silty sand	grey brown	boulders rock fragm.
28	50+50			sand	grey	numerous rock fragm.
29	50N			silty sand	brown grey	few small rock fragm
9130 A1	49+50			"	grey brown	numerous rock fragm
31	49N			"	"	" "
32	48+50			silty clay	"	rock fragments
33	48N			silty sand	brown grey	"
34	47+50			sandy silt	"	" some humus
9135 A1	47N			silty sand	light brown grey	rock fragments
36	46+50			"	yell. brown	"
37	46N			silty clay	grey	" low level terrain
38	45N			sandy silt	"	few small rock fragm. humps of clay
39	44+50			sandy silt	grey brown	small rock fragm.
9140 A1	44N			clayey silt	brown	"
					no sample at 45+50N	(in swamp)

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SOIL SAMPLING

CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE

PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
	LINE 44E					
9141 A1	56N	20	B	silty sand	brown	small rock fragments on outcrop slope
9142 A1	56+50			sandy silt	dark brown	outcrop ridge humus contamination
43	57N			"	"	"
44	57+50			"	"	"
9145 A1	58N			sandy silt	grey brown	" small rock fragm.
46	58+50			silty sand	yell. brown	numerous rock fragm.
47	59N			clayey silt	dark brown	humus contam.
48	59+50			sandy silt	brown	by boulders rock fragments.
49	60N			sandy silt	grey brown	"
9150 A1	60+50			humus	dark brown	lg boulders in edge of outcrop no B-soil
51	61N			humus/clay	"	"
52	61+50			sandy silt	grey	many small rock fragm.
53	62N			silty sand	rusty brown	"
54	62+50			"	brown	"
9155 A1	63N			sandy silt	grey	boulders
56	63+50			humus/silt	black/grey	boulders
57	64N			sandy silt	grey	some humus small rock fragm.
58	64+50			clayey silt	dark brown	15' N of station outcrop area
59	65N			sand	dark rusty brown	25' N of station rock fragm
9160 A1	65+50			sandy silt	rusty brown	some rock fragm.
61	66N			clay/humus	grey black	boulders outcrop
62	66+50			sandy silt	brown	boulders outcrop many rock fragments
63	67N			silty sand	brown grey	many rock fragm.
64	68N			silty sand	brown grey	" boulders
9165 A1	68+50			"	yell. brown	many small rock fragm.
66	69N			clayey silt	light brown	"
9167 A1	69+50			"	brown grey	on edge of swamp; 70N in swamp

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SOIL SAMPLING

page no. 4

CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE

PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
	LINE 36E					
9168 A1	56N	20	B	fine sand	brown grey	
69	56+50			silty sand	"	15'E of station
9170 A1	57N			sandy clay	light brown grey	30' E of station
71	57+50			fine sand	rusty brown	50'ENE of station
72	60N			silty sand	brown	(58-59+50N in swamp outcrop no samples)
73	60+50			"	dark brown	some humus outcrop
74	61N			fine sand	yell. brown	few rock fragm.
9175 A1	61+50			"	grey brown	
76	62N			sand	light brown	
77	62+50			clayey silt	light brown	12' E of station some rock fragments
78	63N			sand	brown	some rock fragments some humus
79	63+50			silty sand	"	"
9180 A1	64N			"	dark brown	small rock fragments
81	64+50			fine sand	light yell. brown	
82	65N			sand	light brown	
83	65+50			"	yell. brown	small rock fragm.
84	66N			"	"	"
9185 A1	66+50			sand	grey brown	
86	67N			"	yell. brown	
87	67+50			"	"	
88	68N			silty sand	dark brown	between boulders
89	68+50			"	light yell. brown	rock fragm.
9190 A1	69N			"	brown	pebbles
9191 A1	69+50			"	light brown	small pebbles
9192 A1	70N			clayey silt	brown grey	rock fragments & boulders

on edge of swamp

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SOIL SAMPLING

CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE

PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
9193 A1	LINE 40E 57N	50	B	greasy clay	grey	under 50 cm of bog
94	57+50	40	B	"	brown	" 40 " "
9195 A1	58N	20	B	silty sand	grey	with lumps of pink brown clay
96	58+50			"	"	"
97	59N			sand	brown grey	
98	59+50			silty sand	"	
99	60N			greasy clay	pink brown	
9200 A1	60+50			sand	light brown	with small rock fragments
01	61N			sand	yell. brown	rock fragm.
02	61+50			"	rusty brown	" pebbles
03	62N			silty sand	grey brown	fine gravel
04	62+50			sand	rusty yell brown	
9205 A1	63N			coarse sand	grey yell. brown	small rock fragm.
06	63+50			silty sand	grey brown	boulders
07	64N			sand	yell. brown	boulders pebbles
08	64+50			fine sand	yell. brown	
09	65N			silty sand	yell. brown	boulders, side of hill many small rock fragm.
9210 A1	65+50			silty clay	dark brown	on steep boulder slope some humus, rock fragm.
11	66N			silty sand	dark brown yell.	thick overburden sand and gravel
12	66+50			sand	brown	"
13	67N			coarse sand	rusty yell. brown	fine gravel "
14	67+50			"	"	"
9215 A1	68N			sand/fine gravel	yell. brown	" pieces of carbon. schist
16	68+50			sand	yell. brown	thick overb. sand/gravel
17	69N			sand	"	" small pebbles
18	69+50			"	brown	" "
9219 A1	70N			sand/gravel	dark brown	10' S of station steep rock cliff to N

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SOIL SAMPLING

CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE

PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
	LINE 40E					
9230 A1	54+50N	20	B	clay	brown	humus rock fragm.
21	54N			sand	grey brown	small pebbles
22	53+50			sand	dark yell. brown	rock fragm.
23	53N			silt	brown	small rock fragm.
24	52+50			sandy silt	light brown	numerous pebbles
9225 A1	52N			fine sand	brown grey	as 9223 outcrops boulders
26	51+50			"	"	some humus small pebbles outcrop boulders
27	51N			"	grey brown	outcrop boulders rock fragm.
28	50+50			sand	"	"
29	50N			"	"	as 9226
9230 A1	49+50			silty sand	rusty brown	as 9226
31	49N			silty sand	brown	as 9226
32	48+50			"	rusty brown	rock fragm. outcrop boulders
33	48N			fine sand	light brown	pebbles rock fragm.
34	47+50			sand	grey brown	many rock fragm.
9235 A1	47N			clay	pink brown	many "
36	46+50			greasy clay	dark brown	humus
37	46N			"	grey brown	
38	45+50			"	"	some rock fragm.
39	45N			coarse sand	grey yell. brown	
9240 A1	44+50			sand	grey brown	small pebbles
9241 A1	44N			silty sand	"	"
9242 A1	LINE 44E 44N			clay	pink brown	

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SOIL SAMPLING page no. 7
CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE
PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
	LINE 32E					
9243 A1	57+50N	50	B	sand	grey	under 50 cm of clay
44	58N	20	B	clay	pink brown	
9245 A1	58+50			sand	brown grey	rock fragments
46	59N			sand	yell. brown	
47	59+50			silty sand	"	boulders rock fragm.
48	60N			sand	brown grey	"
49	60+50			sand	yell. brown	rock fragm. (some rusty
9250 A1	61N			"	grey	
51	61+50			silty sand	yell brown	boulders some rock fragm.
52	62N			sand	yell. grey	boulders
53	62+50			"	rusty brown yell.	
54	63N			"	brown	boulders many rock fragm
9255 A1	63+50			"	yell. brown	some rock fragm.
56	64N			fine sand	"	
57	64+50			silt/clay	grey	rock fragm.
58	65N			clay	brown grey	some rock fragm.
59	65+50			silty sand	"	boulders
9260 A1	66N			coarse sand	yell. brown	boulders
61	67N			silty sand	grey	boulder ridge
62	67+50			clayey silt	dark brown grey	boulders outcrop rock fragm some humus
63	68N			silty sand	brown grey	"
64	68+50			silty clay	"	outcrop boulders sample 15' S of station
9265 A1	69N			clay	dark brown	high outcrop riped. sample in depression
66	69+50			silty sand	yell brown	humus contam. boulders, outcrop, pebbles
9267 A1	70N			"	grey brown	15' N of station rock fragm., boulders
	56-57N	in swamp: no samples				steep N slope, 20' E of station
	66+50N	boulders: no sample material				

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SOIL SAMPLING

CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE

PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
	LINE 25E					
9268 A1	56N	20	B	silty sand	yell. brown	few rock frags.
69	56+50			sand	brown and grey	
9270 A1	57N			fine sand	light grey brown	
71	57+50			silty sand	"	
72	58N			clayey silt	grey brown	
73	58+50			greasy clay	blue grey	
74	59N			"	pink grey brown	
9275 A1	59+50			"	pink brown	
76	60N			clay	light pink brown	
77	60+50			greasy clay	"	
78	61N			clay	pink brown	
79	61+50			silty clay	"	
9280 A1	62N			clay	"	
81	62+50			fine sand	yell. grey brown	slightly upshill
82	63N			fine sand	gold brown	
83	63+50			sand	rusty yell. brown	
84	64N			fine sand	yell. brown	numerous pebbles
9285 A1	64+50			"	grey yell. brown	few small pebbles
86	65N			sand	brown	large pebbles, boulders
87	65+50			silty sand	yell brown	many pebbles boulder ridge
88	66N			"	"	"
89	66+50			sand	brown	boulder ridge, some humus
9290 A1	67N			"	grey brown	" few pebbles
91	67+50			silty sand	grey brown	" "
92	68N			sand	brown grey	"
93	68+50			"	brown	" on edge of outcrop
9294 A1	69N			silty sand	brown	outcrop boulders many pebbles

norontex
bedworth rd, r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4

SOIL SAMPLING

CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE

PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
	LINE 22E					
9295A1	69+50	20	B	silty sand	brown	outcrop area. mixed with gravel
9296A1	70N			silty sand	dark brown	outcrop
	LINE 36E					
9297A1	55+50	20	B	fine sand	yell. brown	
9298A1	55N			"	"	
9299A1	54+50			sand	"	rock fragm. boulders
9300A1	54N			silt	brown	outcrop small rock fragm.
9301A1	53+50			coars sand	grey brown	30' SW of station pebbles, small trench at 53+30N
02	53N			clayey silt	grey	rock fragm.
03	52+50			sand	grey	boulders outcrop
04	52N			sand	grey, yell. brown	small rock fragm
9305A1	51+50			fine sand	yell. brown	
06	51N			"	"	few pebbles
07	50+50			"	yell. brown	
08	50N			"	grey brown	
09	49+50			sandy clay	grey	25' E of station rock fragm.
9310A1	49N			clayey silt	brown	outcrop numerous contam.
11	48+50			silty sand	brown	"
12	48N			fine sand	yell. brown	some rock fragm. on outcrop ridge
13	47N			sand	yell. brown	boulders small rock fragm.
14	46+50			sand	grey	"
9315A1	46N			coarse sand	yell. brown	rock fragm.
16	45+50			"	"	"
17	45N			fine sand	dark yell. brown	
18	44+50			"	yell. grey	few pebbles
9319A1	44N			coarse sand	grey brown	pebbles rock fragm.

norontex
bedworth rd, r.r. 1 site 11 box 7,
dryden, ont. P8N 2Y4

SOIL SAMPLING

page no. 10

CLIENT: NEWFIELDS/INTERSTRAT/KENGATE AREA: ROWAN LAKE

PROJECT NO. 1152 DATE: NOV 5-9/1984

sample number	location	depth (cm)	horizon	composition	colour	remarks
9320A1	LINE 32E 53N	20	B	silty sand	yell. brown	30' E of station edge of swamp
21	52+50			sand	brown grey	rock frags. edge of swamp
22	52N			sand	yell. brown	"
23	51+50			"	"	"
24	51N			sand	yell. brown	pebbles, boulders
9325A1	50+50			silty sand	rusty yell brown	"
26	50N			"	"	"
27	49+50			"	grey brown	boulders
28	49N			fine silty sand	rusty yell. brown	boulders, rock frags.
29	48+50			silty sand	dark brown	pebbles, humus bottom, outcrop
9330A1	48N			"	yell. brown	small pebbles
31	47+50			"	yell. brown grey	boulders small rock frags.
32	47N			"	yell. brown	boulders
33	46+50			"	rusty yell brown	boulders rock frags.
34	46N			"	rusty brown	"
9335A1	45+50			"	yell. brown	"
36	45N			fine sand	grey brown	small pebbles boulders
37	44+50			fine sand	brown grey	"
38	44N			sand	brown.	
	55+50 →	53	+50	swamp : no samples		

ROWAN - CAMERON LAKES JOINT VENTURE

Results of Field Work - 1984

Prepared for:

Kengate Resources Ltd.
410 - 325 Howe Street
Vancouver, B.C. V6C 1Z7

and

Interstrat Resources Inc.
400 - 905 W. Pender Street
Vancouver, B.C. V6C 1L6

and

Newfields Minerals Inc.
410 - 325 Howe Street
Vancouver, B.C. V6C 1Z7

Bruce A. Youngman, B.Sc.
Consulting geologist

May, 1985.

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LIST OF FIGURES

LIST OF PLATES

ROWAN - CAMERON LAKES JOINT VENTURE

1.0 Introduction

During the 1984 field season, Kengate Resources Ltd. (33.3%) , Interstrat Resources Inc. (33.3%) and Newfields Minerals Inc. (33.3%) , known collectively as the Rowan - Cameron Lakes Joint Venture, completed preliminary geochemical sampling, geological mapping and prospecting on their Rowan Lake claim group in northwestern Ontario. This 47 claim (1800 acre) property is located within the active Rowan - Cameron Lakes exploration camp, less than 2 miles north of Nuinsco Resources' (Echo Bay Mines') Monte Cristo gold prospect and 7 miles northeast of Nuinsco - Lockwood's Cameron Lake deposit (reported reserves: 2 million tons grading 0.15 ounces gold per ton).

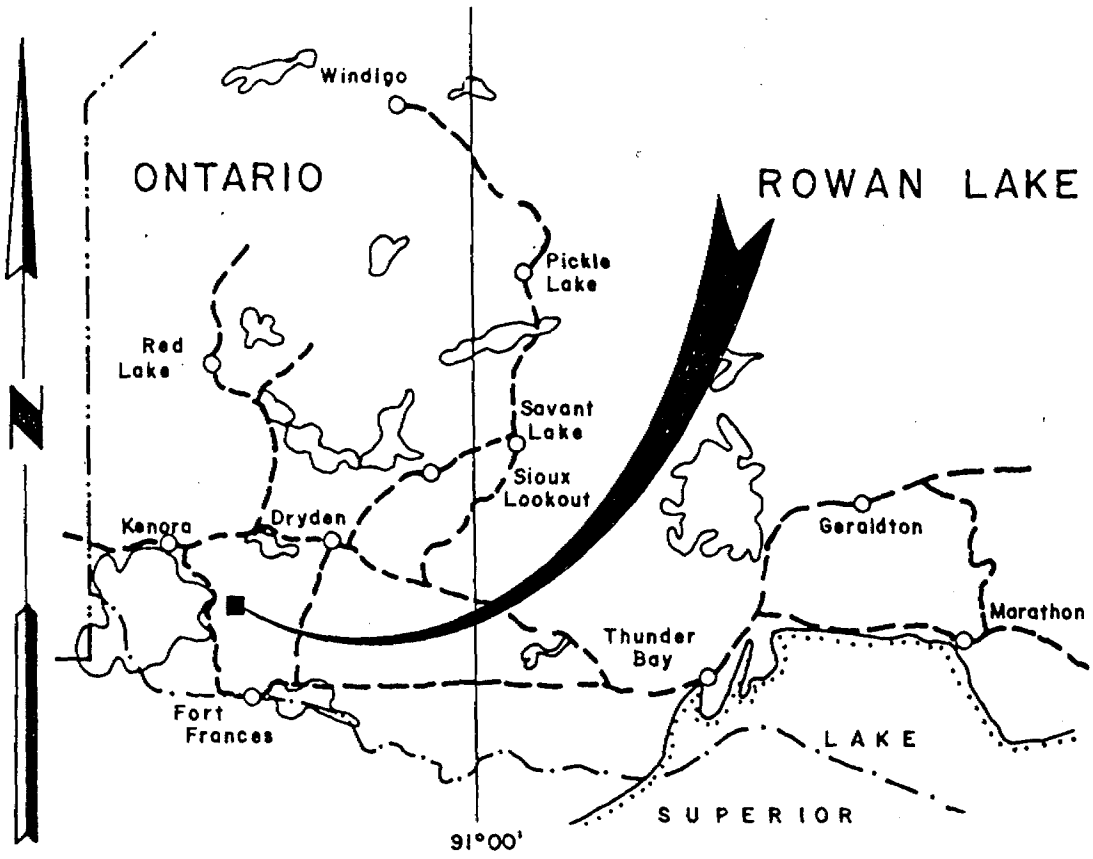
At several locations on the property, disseminated pyrite-pyrrhotite-chalcopyrite mineralization occurs within silicified mafic to intermediate metavolcanic rocks. Reconnaissance sampling yielded several rock and soil analyses between 0.01 and 0.05 ounces gold per ton, with one grab sample returning 2.17 ounces gold per ton. Given encouraging results to date, further geochemical sampling, geological mapping and prospecting are proposed for 1985.

2.0 Location and Access

The Rowan Lake property is located 46 miles southwest of Dryden and 48 miles southeast of Kenora, Ontario (Fig. 1). The centre of the claim group is situated at latitude 49° 21' and longitude 93° 35' on N.T.S. Sheet 52 F-5. A proposed gravel road connecting the Lockwood - Nuinsco deposit at Cameron Lake to Sioux Narrows on Hwy 71 would provide road access to within 7 miles of the property. Float plane access is available from Dryden, Kenora or Nestor Falls, 23 miles southwest of the claim group, while winter access can be gained through the interconnected Kakagi-Cameron-Rowan Lakes system.

3.0 Physiography

East-west ridges of bedrock and glacial sand rise up to 200 ft. above flat-lying, poorly drained ground. Moderate to good outcrop occurs in the many elevated areas. No glaciolacustrine clays were observed.



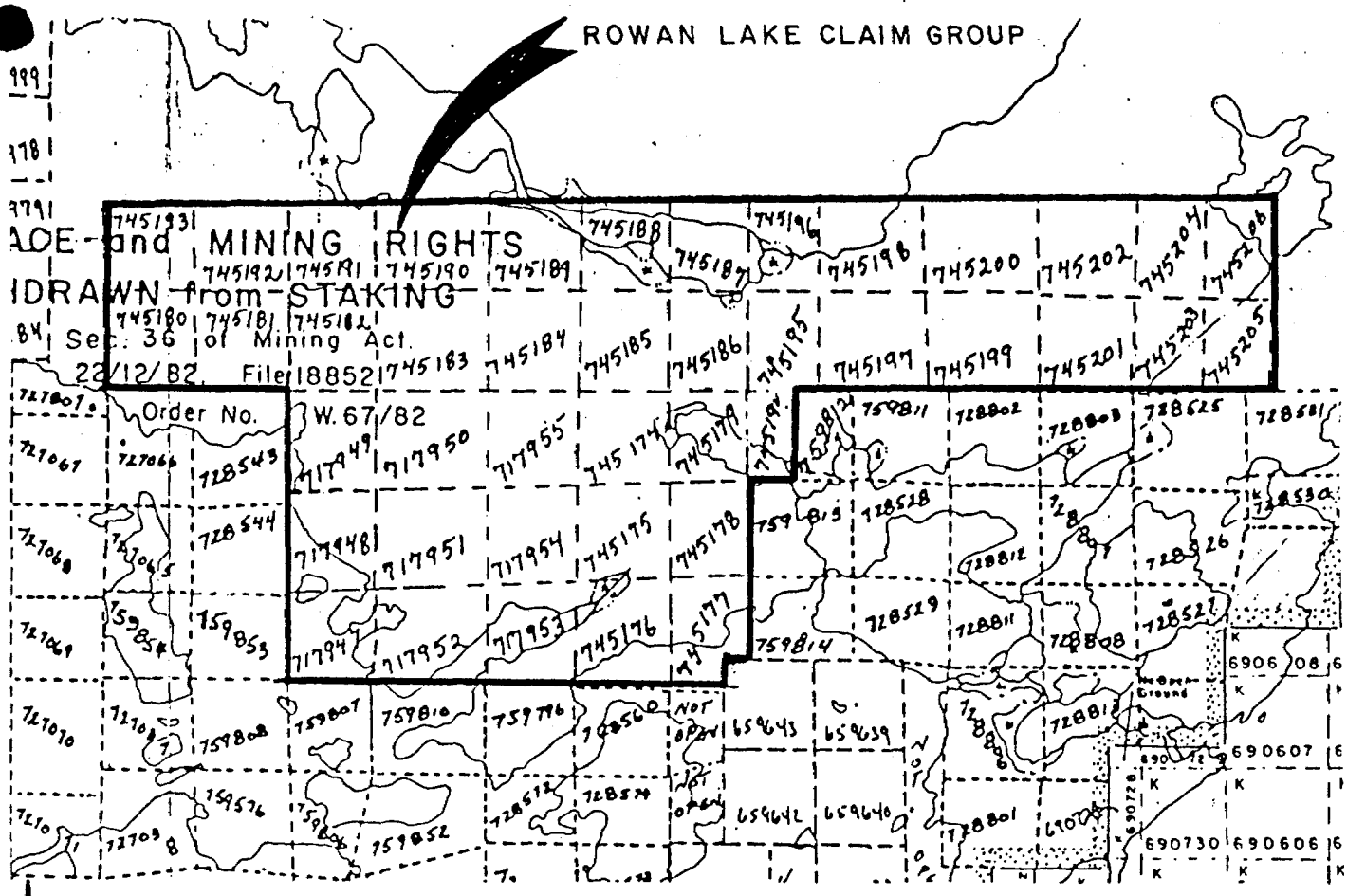
ROWAN-CAMERON LAKE JOINT VENTURE

PROPERTY LOCATION MAP

SCALE 1" = 100 mi

JANUARY 1985

FIGURE 1



ROWAN - CAMERON LAKE JOINT VENTURE

ROWAN LAKE CLAIM BLOCK

SCALE 1in = 40 chain = 1/2 mi

M-2580

APRIL 1985

FIGURE 2

4.0 Claims

Forty-seven (47) mineral claims (1800 acres) were staked in the Rowan Lake area (Fig 2):

Claim Numbers	Expiry Date
717947-955	February 17, 1985
745174-206	February 17, 1985
794715-719	June 26, 1985

All claims are being transferred to Kengate Resources Ltd. in trust for the Rowan-Cameron Lakes Joint Venture. The claims lie within the Kenora Mining Division.

The Rowan Lake property directly adjoins ground held by Tayok Investments in the west, Merit Explorations in the south and the Bigstone Minerals - Anglo Canadian Mining joint venture in the southwest and southeast.

5.0 History

The Rowan - Cameron Lakes area has seen considerable gold exploration since the late 1800's, with major programs conducted to the south and southwest of the joint venture property at the Wampum, Monte Cristo, Reliance and Cameron Lake prospects (Kaye, 1973). The success of the 1983 diamond drilling program at the Cameron Lake gold deposit (reported reserves: 2 million tons grading 0.15 ounces gold per ton) resulted in a major staking rush in the area, with more than 10,000 claims staked during 1983 in the Kenora Mining District (Langelaar, 1984). At this deposit, gold occurs within sheared mafic metavolcanic rocks near the transitional contact with overlying mafic to felsic flows and pyroclastics (Blackburn and Hailstone, 1983). A weakly mineralized alteration envelope, characterized by bleaching, silicification, sericitization and carbonitization encloses the ore zone (Hunter and Curtis, 1983). Recent drilling by Nuinsco Resources at the Monte Cristo - Victor Island prospect, less than 2 miles south of the joint venture property, has intersected 2 mineralized zones of significant thickness (reported values up to 0.27 ounces gold per ton over 42.6 ft.).

Since the 1950's, several companies have conducted base metal exploration in the Rowan-Denmark Lakes area. Assessment records indicate that trenching, E.M. surveying and diamond drilling (2 short holes) were undertaken on the current joint venture property. Incomplete records of this work indicate subparallel east-west conductors in the east of the claim group and geochemical values up to 4.15% copper, 0.03 ounces gold per ton and 2.00 ounces silver per ton from a 12 ft. by 3 ft. trench in the west, possibly just outside of the current claim boundary (Langelaar, 1984). At the Maybrun Cu-Au deposit (1965 reserves: 2,824,825 tons grading 1.18% copper and 0.08 ounces gold per ton), located 4 miles to the north-northwest of the joint venture property, volcanogenic (?) mineralization occurs within sheared and altered mafic metavolcanic rocks (Langelaar, 1984; Hunter and Curtis, 1983).

6.0 1984 Work Program

July	- Geological appraisal of Rowan Lake claim group prepared by J. Langelaar, P.Eng. Two-phase, $185,000 program recommended.
Sept. 20 - 25	- Preliminary geochemical sampling (125 samples), geological mapping and prospecting completed over entire property by Bruce Youngman, Eric Ewen and Rod Knappett.
Oct. 30 to Nov. 3	- Linecutting (5.4 miles)
Nov. 5 - 9	- Geochemical soil sampling (238 samples collected over 13,200 ft. of flagged crosslines) and report preparation by Norontex Exploration Ltd. Claims: 794718, 794719, 745193, 745191,745180, 745181, 745182, 745192
March/April/May 1985	- Report preparation by Bruce Youngman and Eric Ewen (draftsman).

7.0 Geology

7.1 Regional Geology

The Rowan Lake claims are underlain by Archean Rocks of the Wabigoon Subprovince of the Canadian Shield (Fig. 3). The property lies near the western end of the Savant Lake - Kakagi Lake "greenstone" belt, an elongate metavolcanic - metasedimentary assemblage subdivided into 3 general stratigraphic units (Blackburn and Hailstone, 1983):

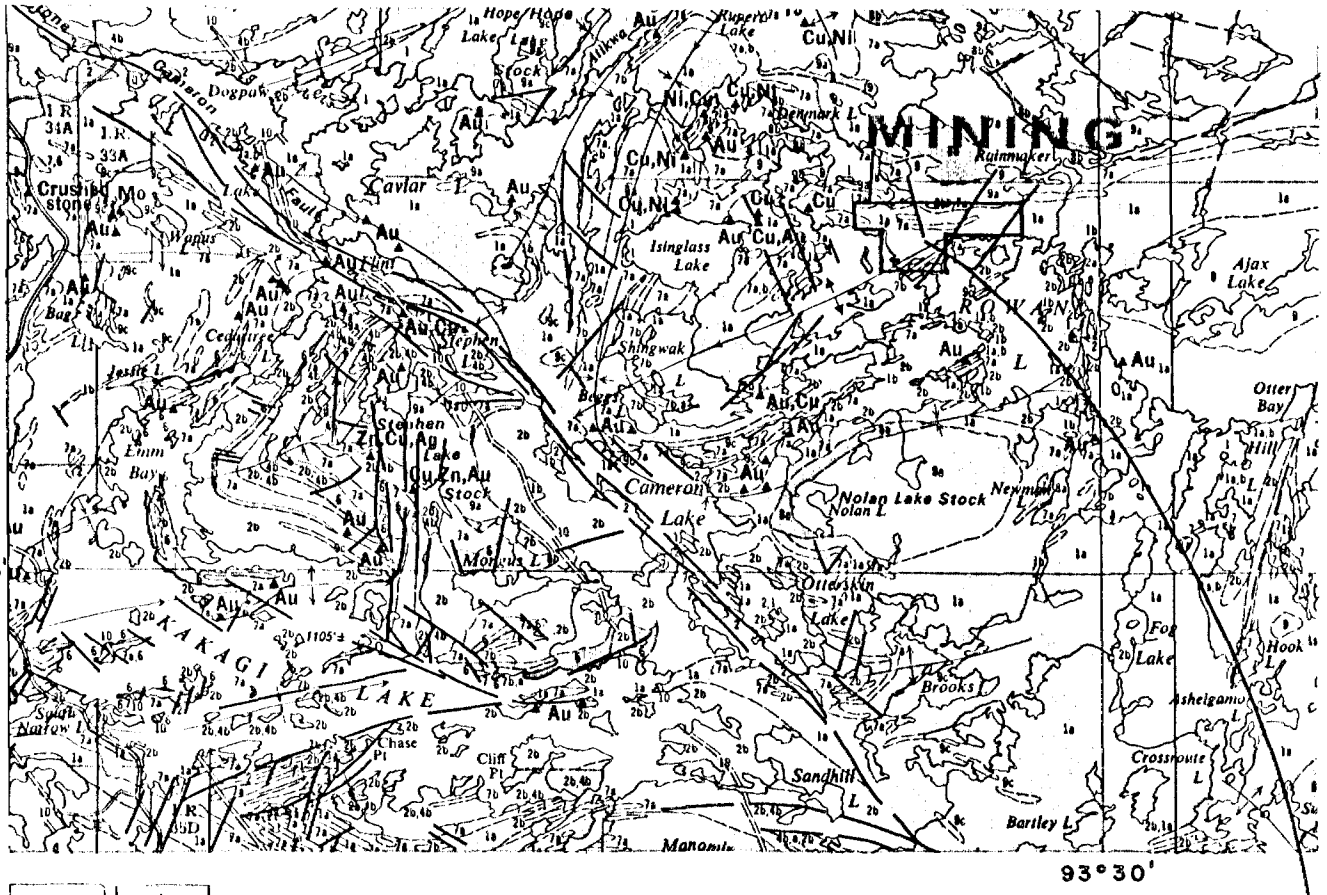
UPPER UNIT:	Mafic (tholeiitic) flows
MIDDLE UNIT: (Cameron Lake Volcanics)	Mafic to felsic (tholeiitic to calc-alkaline)flows and pyroclastics
LOWER UNIT: (Rowan Lake Volcanics)	Mafic (tholeiitic) flows

7.2 Local Geology

Geological mapping by Kaye (1973) indicates that mafic to intermediate rocks of the basal Rowan Lake volcanics underlie much of the property. Several elongate gabbro sills (?) trend east-west through the north of the claim group while well-foliated intermediate tuff to agglomerate occurs in the south of the property. The greenschist - amphibolite metamorphic boundary extends through the centre of the claim group (Kaye, 1973).

7.3 Structural Geology

In the vicinty of the Rowan Lake claim group, east-west foliation is either vertical or steeply inclined to the south (Kaye, 1973). Several north-northeast and north-northwest trending faults have been identified (Kaye, 1973).



9 8	FELSIC AND INTERMEDIATE INTRUSIVE ROCKS
7	MAFIC INTRUSIVE ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS
5	CHEMICAL METASEDIMENTARY ROCKS
4	CLASTIC METASEDIMENTARY ROCKS
3	ALKALINE MAFIC METAVOLCANIC ROCKS
2	FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
1	MAFIC METAVOLCANIC ROCKS

ROWAN-CAMERON LAKE JOINT VENTURE

REGIONAL GEOLOGY

NTS 52F/3,4,5&6

1 inch = 4 miles

1 : 253,440

APRIL 1985

FIGURE 3

8.0 Mineralization

Disseminated pyrite-pyrrhotite-chalcopyrite mineralization occurs within silicified mafic to intermediate metavolcanic rocks at several locations on the property (Plate 1):

Longe Trenches

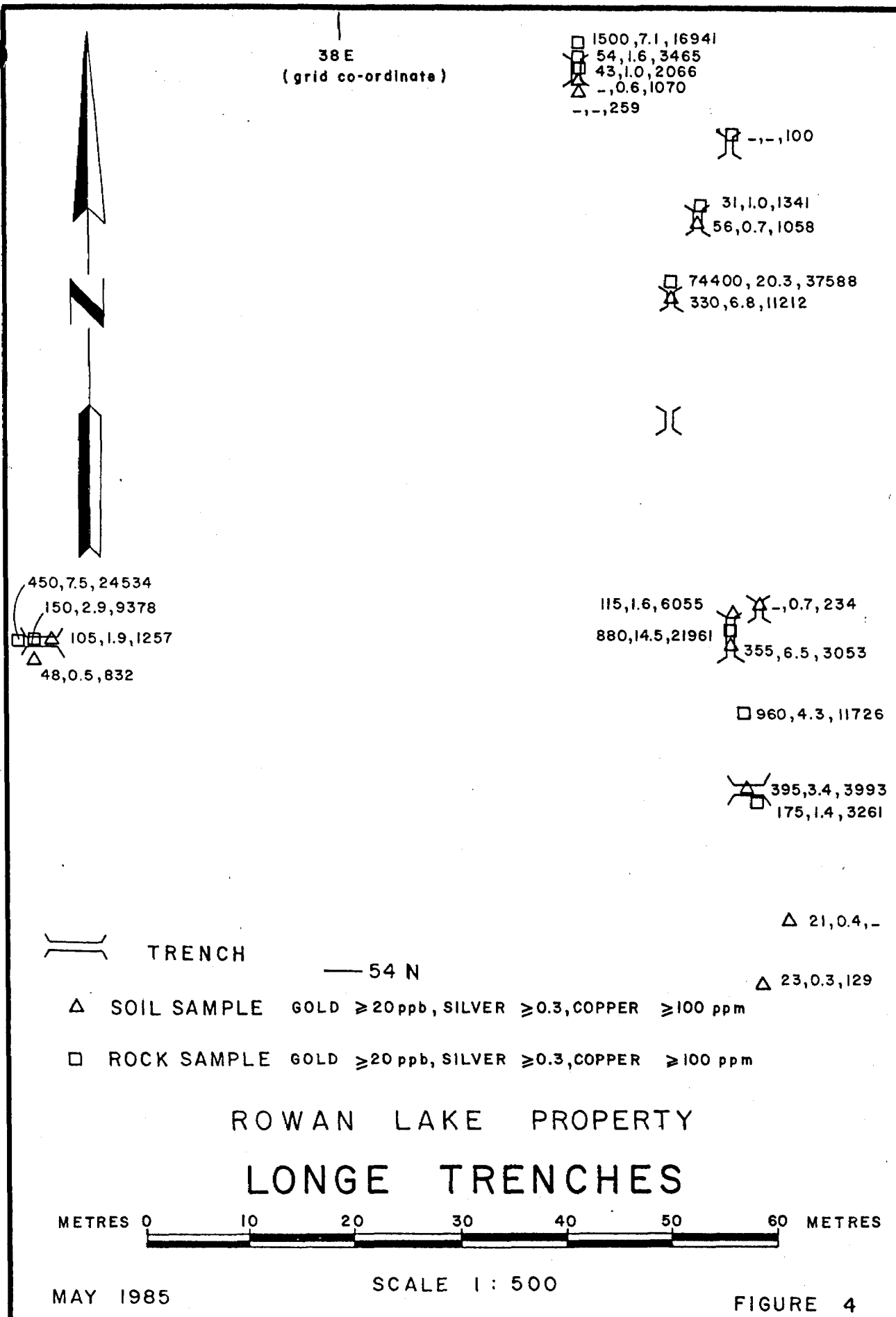
Widespread disseminated to streaky pyrite, pyrrhotite and chalcopyrite with local bornite and chalcocite (?) occurs within chloritic, silicified mafic to intermediate metavolcanic rocks, 1300 to 1550 ft. north of Rowan Lake. Local malachite and azurite is present within irregular carbonate stringers. Throughout the 9 trenches located over a 250 by 230 ft. area, approximately 3 to 5% sulphide was observed.
From the limited sampling in the vicinity of the Longe Trenches (23 soil and rock samples collected), a high proportion of anomalous results were obtained (Fig. 4, Plate 1). Nineteen of the twenty-three samples returned gold values in excess of 20 p.p.b., with maximum values of 74,400 p.p.b. (2.17 ounces per ton) gold, 20.3 p.p.m. silver, 37,588 p.p.m. copper, 14 p.p.m. antimony, 21 p.p.m. bismuth and 4 p.p.m. tungsten.

Jailbird Trench

Geochemical values up to 88 p.p.b. gold, 1.6 p.p.m. silver and 15,569 p.p.m. copper were obtained from sampling of similar pyrite - pyrrhotite - chalcopyrite mineralization, 600 ft. north-northeast of the Longe trenches (Plate 1).

Trooper Trenches

Disseminated to ellipsoidal pyrrhotite, pyrite and chalcopyrite ($\leq$ 2%) occurs within recrystallized, hornfelsic metabasalt ("blackjack lava"), 600 ft. north-northeast of the Jailbird Trench (Plate 1). Geochemical values to 22 p.p.b. gold, 0.4 p.p.m. silver and 1617 p.p.m. copper were obtained.



ROWAN LAKE PROPERTY

LONGE TRENCHES

METRES 0 10 20 30 40 50 60 METRES

SCALE 1 : 500

MAY 1985

FIGURE 4

Bruce Lake

Disseminated to streaky pyrrhotite (< 10%), chalcopyrite (< 5%), pyrite (< 5%) and bornite (< 1%) occurs within light grey to green, silicified, variably calcareous mafic to intermediate metavolcanic rocks at several exposures near Bruce Lake (Plate 1). Interbeds of pyritic (< 5%) ankerite - sericite schist with local specularite and tourmaline were observed. Reconnaissance sampling yielded several low gold-silver and strong copper anomalies (to 34 p.p.b. Au, 1.6 p.p.m. Ag and 16,373 p.p.m. Cu).

Knappett Cove

A prominent 50 to 75 ft. long gossan zone, containing 2-3% disseminated to fracture-coated sulphide, is associated with intermediate metavolcanic rocks exposed on the north shore of Rowan Lake (Plate 1). Numerous soil and rock samples yielded anomalous geochemical values to 95 p.p.b. gold, 0.5 p.p.m. silver, 619 p.p.m. copper, 42 p.p.m. arsenic, 42 p.p.m. boron, 52 p.p.m. lead and 224 p.p.m. Zn.

9.0 Geochemistry

In total, 310 soil and 53 rock samples were collected on the Rowan Lake property. Soil samples were generally B horizon, collected by shovel, mattock or pick.

Samples were analyzed by Acme Analytical Laboratories, Vancouver. The -80 mesh fraction was used for all soil samples. Gold was determined on 10 gm. samples by fire assay with an atomic absorption finish. Thirty element I.C.P. analyses (Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W) were completed on each sample by digesting 0.5 g.m. in 3 ml. of 3-1-3 HCl - HNO_3 - H_2O acid at 95°C for one hour.

Anomalous geochemical results from the initial September field program are described in the previous section and shown on Plate 1. The

subsequent soil sampling program conducted from a grid established in the west of the property yielded several isolated low copper-silver-gold anomalies (Plate 3). An extensive covering of glacial sand, gravel and boulders (van Enk, 1984) may have reduced the effectiveness of this survey.

10.0 Discussion

Within the Rowan-Cameron Lakes district, gold generally occurs near the transitional contact between mafic and intermediate to felsic volcanism and/or in association with shear or fault zones (Blackburn and Janes, 1983a). At the Rowan Lake property, however, gold is found within basal to intermediate metavolcanic rocks, well removed from any extensive intermediate to felsic package. In addition, field evidence for a structural control to gold mineralization, through either east-west or north-northeast trending shear/fault systems, is lacking. Given the widespread copper sulphide mineralization in the northern portions of the property and east-west trending conductors (sulphide related?) in the vicinity of Bruce Lake, it is possible that the Au-Cu mineralization is of a volcanogenic nature, as suggested by Hunter and Curtis (1983) for the Maybrun Cu-Au deposit to the northwest.

11.0 Proposed 1985 Program

Given encouraging results to date, further geochemical sampling, geological mapping and prospecting should be undertaken. In the vicinity of the Longe trenches, the mineralization should be further exposed to allow for representative chip samples to be collected.

12.0 References

Blackburn, C.E. and Hailstone, M.R.

1983: The Geological Environment of Gold Mineralization, Cameron - Rowan Lakes, N.W. Ontario. Paper presented at Geoscience Research Seminar, December 6 - 7, 1983 Toronto, Ontario.

Blackburn, C.E. and Janes, D.A.

1983a: Gold Deposits in Northwestern Ontario; p.194-210, in the Geology of Gold in Ontario, edited by A.C. Colvine, Ontario Geological Survey, Miscellaneous Paper 110, 278 p.

Blackburn, C.E. and Janes, D.A.

1983b: Gold Deposits of the Western Wabigoon Subprovince, Northwestern Ontario, and their Metallogeny. Paper presented at the 85th Annual General Meeting of the Canadian Institute of Mining and Metallurgy, Winnipeg,1983.

Hunter, A.D. and Curtis, L.W.

1983: The Cameron Lake Gold Deposit, N.W. Ontario: Pioneering in a Dormant Camp. Paper presented at the Northwest Mining Association, Spokane, December 1 - 3, 1983.

Kaye, L.

1973: Rowan Lake Area, District of Kenora; Ontario Div. Mines, Prelim. Map P.831, Geol. Ser., Scale 1 inch to ½ mile. Geology 1972.

Langelaar, J.

1984: The Rowan Lake Claimgroup. Unpublished report for the Kengate Resources, Interstrat Resources and Newfields Minerals Joint Venture.

van Enk, R

1984: Preliminary Soil Sampling on the Rowan Lake Claim Group (N.W. Ontario). Unpublished report for the Kengate Resources, Interstrat Resources and Newfields Minerals Joint Venture.

13.0 APPENDICES

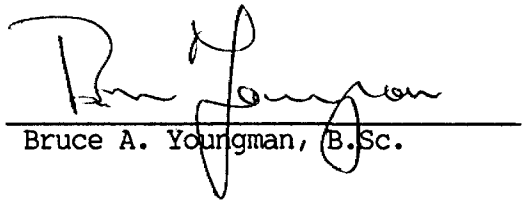
AUTHOR'S CERTIFICATION

I, Bruce A. Youngman, of 208 - 170 East 3rd Street, North Vancouver, British Columbia, hereby certify as follows:

1. That I graduated from the University of British Columbia, with a Bachelor of Science degree in geology in 1981.

2. That I have practised my profession continually since that time.

3. That I authored this report based on the 1984 field program on the Rowan Lake property.



Bruce A. Youngman, B.Sc.

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey Geochemical/Geological

Township or Area Rowan Lake (M2580)

Claim holder(s) Kengate Resources Ltd.
Interstrat Resources, Newfields Minerals

Author of Report Bruce A. Youngman

Address Vancouver, B.C.

Covering Dates of Survey Sept 20 to 25, 1984.
(linecutting to office)

Total Miles of Line cut _____

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
ENTER 20 days for each additional survey using same grid.	—Electromagnetic	
	—Magnetometer	
	—Radiometric	
	—Other	
	Geological	
	Geochemical	

AIRBORNE CREDITS (Special provisions credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: May 7/85 SIGNATURE: _____
(Author of Report or Agent)

Res. Geol. _____ Qualifications _____

Previous Surveys _____

Checked by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

OFFICE USE ONLY

MINING CLAIMS TRAVERSED List numerically	
717947	
717948	
717949	
717950	
717951	
717952	
717953	
717954	
717955	
745174	
745175	
745176	
745177	
745178	
745179	
745180	
745181	
745182	
745183	
745184	
745185	
745186	
TOTAL CLAIMS	

If space insufficient, attach list

MINING CLAIMS TRAVERSED (cont'd)

745187
745188
745189
745190
745191
745192
745193
745194
745195
745196
745197
745198
745199
745200
745201
745202
745203
745204
745205
745206
794715
794716
794717
794718
794719

---

47 Claims TOTAL

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken: 717948, 717949, 717951, 717952, 717953
717954, 745178, 745179, 745180, 745181, 745182, 745186, 745187, 745188
745191, 745192, 745193, 745194, 745195, 745197, 794715, 794718, 794719

Total Number of Samples: 363

Type of Sample (Nature of Material): 310 soils, 53 rocks

Average Sample Weight: 0.5 lb.

Method of Collection: Shovel, mattock or pick

Soil Horizon Sampled: B - horizon

Horizon Development: A - A1 - A2 - B

Sample Depth: 1 to 25 cm

Terrain: Bedrock - Glacial - Swamp

Drainage Development: Poor

Estimated Range of Overburden Thickness: 1 to 200 ft.

SAMPLE PREPARATION
(Including Drying, Screening, Crushing, Pulverizing)

Mesh size of fraction used for analysis:
Soils: -80 Mesh
Rocks: -100 Mesh

General: —

ANALYTICAL METHODS

Values expressed in: per cent ☒ p.p.m. ☒ p.p.b. ☐

(Cu) (Pb) (Zn) (Ni) (Co) (Ag) (Mo) (As) (circle)

Others: Mn, Fe, U, Au, Th, Sr, Cd

Field Analysis (see below) (tests)
- Extraction Method
- Analytical Method
- Reagents Used

Field Laboratory Analysis
No. ( ) (tests)
- Extraction Method
- Analytical Method
- Reagents Used

Commercial Laboratory ( ) (tests)
- Name of Laboratory: Acme Analytical
- Extraction Method: Aqua Regia
- Analytical Method: Fire Assay/Atomic Absorption
- Reagents Used

General: Other elements (cont'd)
Sb, Bi, V, Ca, P, La, Cr,
Mg, Ba, Ti, B, Al, Na, K, W

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-2 SOILS P3-4 ROCKS AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 1 1984 DATE REPORT MAILED: Oct 5/84 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER

NEW FIELD MINERALS FILE # 84-2843 PAGE 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU** PPB
YRS-1	6	262	15	19	.4	7	3	52	18.84	2	8	ND	2	8	1	6	4	26	.04	.04	2	7	.14	39	.05	2	.38	.02	.07	2	3
YRS-2	1	95	8	15	.2	8	3	61	7.14	2	5	ND	2	10	1	2	2	21	.05	.03	3	9	.18	48	.04	10	.48	.02	.22	2	1
YRS-3	1	140	5	25	.1	37	13	195	5.94	5	5	ND	2	5	1	2	2	33	.23	.03	12	27	.49	19	.03	2	.86	.01	.02	2	4
YRS-4	1	15	14	18	.1	9	3	120	1.30	5	5	ND	2	10	1	2	2	22	.14	.02	7	13	.19	45	.04	3	.69	.01	.05	2	1
YRS-5	2	84	20	178	.1	35	43	5027	3.01	3	5	ND	2	12	1	2	3	46	.27	.22	13	22	.30	179	.02	4	1.92	.01	.11	2	1
YRS-6	2	147	21	168	.1	18	13	2556	4.89	8	5	ND	2	11	1	2	4	47	.23	.29	12	20	.28	135	.02	7	2.41	.01	.09	2	1
YRS-7	1	72	17	47	.1	31	13	638	3.82	11	5	ND	2	12	1	2	3	49	.52	.07	9	34	.53	65	.02	4	2.17	.01	.06	2	2
YRS-8	2	183	13	41	.1	81	48	884	9.58	11	5	ND	2	6	1	2	4	57	.24	.06	8	26	.33	61	.01	6	1.28	.01	.02	2	34
YRS-9	3	993	17	1119	.1	117	85	1291	12.61	2	5	ND	2	6	2	3	4	28	1.33	.06	22	18	.35	25	.04	6	.99	.01	.03	2	9
YRS-10	1	241	9	434	.1	26	15	177	6.53	2	5	ND	2	4	1	2	2	25	.11	.03	7	22	.31	20	.04	5	.79	.01	.04	2	12
YRS-11	1	31	9	25	.1	7	3	102	1.06	2	5	ND	2	7	1	2	2	17	.23	.07	7	13	.12	47	.01	2	.86	.01	.02	2	1
YRS-12	1	18	12	132	.1	14	9	1675	2.18	3	5	ND	2	9	1	2	2	32	.16	.12	11	20	.39	158	.04	7	1.57	.01	.06	2	1
YRS-13	1	63	45	259	.1	20	21	3330	2.06	7	5	ND	2	16	1	2	2	34	.72	.15	10	24	.31	234	.02	6	1.20	.01	.11	2	3
YRS-14	1	46	40	220	.2	18	11	1875	2.03	9	5	ND	2	13	1	2	2	36	.47	.13	10	25	.32	176	.02	4	1.16	.01	.11	2	2
YRS-15	2	101	45	383	.2	42	46	7386	3.01	11	5	ND	2	14	2	2	2	48	.84	.24	14	24	.32	351	.02	6	1.89	.01	.09	2	2
YRS-16	2	81	25	202	.2	48	35	2888	4.68	9	5	ND	2	14	1	2	2	76	.44	.12	8	38	.62	178	.07	3	1.93	.01	.08	2	2
YRS-17	1	40	14	262	.1	25	18	2397	3.51	2	5	ND	2	10	1	2	2	51	.29	.15	9	29	.65	137	.03	4	1.98	.01	.07	2	1
YRS-18	1	37	33	82	.2	20	9	879	2.40	11	5	ND	2	12	1	2	2	41	.37	.14	8	30	.55	110	.03	5	1.30	.01	.08	2	3
YRS-19	1	832	7	51	.5	39	8	194	2.49	7	5	ND	2	5	1	2	2	33	.09	.10	8	34	.34	45	.04	3	1.67	.01	.04	2	48
YRS-20	1	1257	14	46	1.9	36	10	316	4.03	6	5	ND	2	6	1	2	2	38	.16	.11	7	34	.39	38	.03	4	1.22	.01	.06	2	105
YRS-21	3	3993	25	105	3.4	54	48	1409	5.48	8	5	ND	2	9	1	2	2	43	.19	.27	10	29	.40	63	.02	7	1.59	.01	.07	2	395
YRS-22	2	129	43	176	.3	13	9	11141	1.46	8	5	ND	2	14	1	2	2	25	.25	.12	11	13	.16	279	.01	5	1.01	.01	.10	2	23
YRS-23	3	681	21	75	.5	13	9	689	15.08	3	8	ND	2	11	1	8	2	73	.08	.26	2	33	.20	200	.05	9	.97	.02	.13	2	9
YRS-24	1	528	18	79	.4	13	9	510	9.93	5	7	ND	2	8	1	2	2	52	.07	.25	2	23	.22	170	.04	7	1.00	.01	.12	2	8
YRS-25	1	257	19	114	.4	19	10	895	8.48	2	5	ND	2	8	1	4	2	53	.08	.19	10	20	.32	155	.06	7	1.42	.02	.12	2	13
YRS-26	1	225	14	136	.3	21	10	688	7.89	7	7	ND	2	9	1	2	4	56	.08	.25	8	21	.38	205	.05	6	1.83	.01	.13	2	4
YRS-27	1	55	9	132	.2	35	14	341	2.72	4	5	ND	3	9	1	2	2	39	.21	.08	9	27	.49	85	.06	5	2.06	.01	.12	2	1
YRS-28	1	51	12	196	.2	26	17	1363	2.87	2	5	ND	2	9	1	2	2	42	.27	.12	10	26	.46	116	.04	3	1.98	.01	.05	2	14
YRS-29	1	69	19	180	.1	32	18	2997	3.53	6	5	ND	2	13	1	2	2	62	.36	.12	12	27	.46	211	.03	4	2.41	.01	.09	2	15
YRS-30	1	33	14	130	.1	18	13	2788	2.14	3	5	ND	2	10	1	2	2	32	.17	.11	11	17	.33	169	.04	4	1.36	.01	.08	2	2
YRS-31	1	96	15	137	.1	49	20	1120	3.33	2	5	ND	2	6	1	2	2	50	.11	.16	12	26	.28	98	.02	4	1.53	.01	.09	2	2
YRS-32	2	54	39	297	.2	25	18	8368	1.89	6	5	ND	2	29	1	2	2	28	.86	.22	9	23	.38	322	.01	5	1.33	.01	.12	2	3
YRS-33	1	38	23	138	.1	31	21	4745	3.00	4	5	ND	2	13	1	2	2	44	.31	.12	10	24	.44	206	.02	4	1.64	.01	.08	2	4
YRS-34	1	51	59	119	.1	23	11	8507	1.53	7	5	ND	2	27	1	2	2	23	.99	.11	11	13	.30	337	.01	6	.99	.01	.09	2	2
ERS-1	1	48	15	137	.3	33	10	630	3.64	6	6	ND	3	12	1	2	2	52	.22	.27	11	35	.65	104	.07	5	3.19	.01	.12	2	2
ERS-2	1	208	10	21	.4	15	5	157	9.54	2	5	ND	2	8	1	5	2	80	.05	.07	2	21	.22	22	.10	2	.62	.03	.06	2	1
ERS-3	1	74	7	13	.2	12	5	104	5.18	4	5	ND	2	3	1	3	2	33	.05	.02	2	14	.18	20	.06	4	.44	.02	.03	2	2
STD C/FA-AU	19	59	36	115	6.3	64	25	1099	3.82	40	17	7	34	47	15	15	19	60	.44	.14	40	52	.88	183	.07	37	1.66	.06	.13	14	54

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU** PPB
ERS-4	1	256	12	17	.4	26	13	125	9.64	2	5	ND	2	8	1	2	2	86	.06	.04	19	15	.22	29	.13	17	.46	.03	.06	2	12
ERS-5	1	264	8	16	.2	22	14	82	9.83	2	5	ND	2	5	1	2	3	75	.04	.04	17	20	.20	21	.09	16	.46	.02	.03	2	1
ERS-6	1	102	22	107	.1	47	23	861	4.18	5	5	ND	2	10	1	2	3	75	.18	.18	13	38	.42	121	.04	6	1.82	.01	.09	2	22
ERS-7	1	217	9	57	.1	77	24	691	5.34	12	5	ND	2	24	1	2	3	72	.41	.13	19	172	1.18	116	.02	14	1.89	.01	.08	2	2
ERS-8	1	14	6	23	.1	14	4	141	1.25	2	5	ND	2	9	1	2	2	22	.15	.03	6	23	.33	29	.05	5	.79	.01	.05	2	1
ERS-9	1	232	18	145	.3	12	42	2605	5.38	4	5	ND	2	9	1	2	2	77	.12	.19	17	18	.26	128	.03	11	1.73	.01	.06	2	22
ERS-10	4	288	37	79	.1	62	45	437	24.38	30	5	ND	2	9	1	4	2	62	.30	.18	38	50	.25	45	.08	24	.93	.01	.09	2	40
ERS-11	4	397	27	114	.1	99	23	328	23.57	16	5	ND	4	4	1	2	2	78	.07	.14	52	105	.46	18	.09	24	1.65	.01	.05	2	61
ERS-12	3	327	39	67	.5	86	26	416	24.45	38	5	ND	3	6	1	4	2	62	.04	.15	32	44	.30	48	.07	18	1.16	.01	.09	2	47
ERS-13	3	479	31	47	.1	23	8	96	39.13	42	7	3	3	6	1	4	8	41	.03	.10	96	42	.14	31	.08	42	.52	.01	.07	2	40
ERS-14	3	619	22	70	.1	155	61	386	21.54	16	5	ND	4	5	1	2	2	74	.09	.10	38	67	.41	26	.10	20	2.20	.01	.04	2	95
ERS-15	5	268	21	61	.1	54	19	241	24.40	28	5	ND	3	3	1	2	2	68	.07	.09	43	52	.35	17	.10	16	1.08	.01	.04	2	60
ERS-16	1	190	16	49	.3	79	23	193	10.23	15	5	ND	3	5	1	2	2	68	.08	.05	13	50	.44	33	.11	10	1.67	.01	.03	2	29
ERS-16A	1	167	16	45	.1	64	28	174	9.45	10	5	ND	3	7	1	2	2	52	.26	.05	10	49	.42	27	.09	7	1.46	.01	.04	2	26
ERS-17	3	245	17	39	.1	29	14	122	16.42	13	5	ND	3	5	1	2	2	46	.08	.07	15	34	.31	27	.08	17	.92	.01	.06	2	20
ERS-18	6	345	28	35	.4	46	30	130	21.65	25	5	ND	2	12	1	6	2	59	.18	.30	26	32	.26	43	.08	16	.77	.02	.23	2	55
ERS-19	1	1058	17	66	.7	22	14	536	8.92	6	5	ND	2	6	1	2	2	50	.09	.26	13	29	.28	54	.02	12	1.08	.01	.09	2	56
ERS-20	1	11212	24	126	6.8	95	51	1106	8.48	9	5	ND	2	13	2	2	2	53	.36	.28	13	36	.38	63	.02	12	1.39	.01	.07	2	330
ERS-21	2	3053	23	114	6.5	33	30	1021	9.06	7	5	ND	2	7	1	2	2	59	.13	.33	15	36	.34	51	.03	8	1.21	.01	.09	2	355
ERS-22	1	6055	29	114	1.6	90	168	2907	5.41	6	5	ND	2	13	1	2	2	47	.34	.34	13	34	.35	80	.02	9	1.35	.01	.10	2	115
ERS-23	1	234	25	175	.7	32	23	3104	3.49	7	5	ND	2	16	1	2	3	54	.35	.23	11	27	.36	124	.02	7	1.59	.01	.12	2	13
ERS-24	1	281	15	107	.2	20	9	242	8.87	5	5	ND	2	7	1	2	2	59	.06	.32	14	24	.33	153	.04	7	1.61	.01	.15	2	1
ERS-25	1	273	14	153	.1	29	17	430	5.40	10	5	ND	2	8	1	2	2	63	.07	.40	15	28	.42	136	.05	9	2.81	.01	.11	2	5
ERS-26	2	462	41	159	.3	38	16	275	10.90	4	5	ND	2	7	1	2	2	67	.08	.41	17	25	.51	101	.04	10	2.44	.01	.14	2	5
ERS-27	1	20	5	14	.1	11	3	80	.86	2	5	ND	2	8	1	2	2	16	.14	.02	7	19	.21	36	.03	2	.57	.01	.03	2	1
ERS-28	1	76	36	51	.1	18	10	340	1.60	4	5	ND	2	10	1	2	2	22	.24	.08	9	20	.31	48	.03	5	.81	.01	.07	2	1
KRS-3	1	133	19	110	.4	38	30	1822	3.29	5	5	ND	2	20	1	2	2	55	.47	.16	10	25	.30	169	.02	6	1.37	.01	.11	2	2
KRS-4	1	17	31	110	.2	11	5	1936	1.93	2	5	ND	2	45	1	3	2	10	1.22	.14	28	5	.33	192	.01	62	.66	.01	.13	2	1
KRS-5	2	33	12	153	.3	77	26	2354	4.39	23	5	ND	3	18	1	2	2	24	.21	.16	20	15	.25	158	.03	8	1.40	.01	.12	2	1
KRS-6	1	45	20	155	.5	41	26	2783	3.61	10	5	ND	2	14	1	2	2	54	.40	.13	11	37	.55	174	.07	6	1.44	.01	.09	2	3
KRS-7	1	87	52	224	.2	69	42	3493	2.47	7	5	ND	2	29	1	3	2	21	1.55	.16	5	14	.34	260	.02	11	.85	.01	.10	2	26
KRS-16	1	259	26	156	.2	70	55	1964	3.52	24	5	ND	2	17	1	2	2	50	.33	.26	18	36	.45	142	.03	6	2.59	.01	.11	2	12
KRS-17	1	1070	34	256	.6	53	44	3153	2.87	9	5	ND	2	40	1	2	2	38	1.14	.30	7	23	.38	334	.03	9	1.43	.01	.21	2	15
KRS-18	1	54	23	260	.4	28	21	8915	2.66	4	5	ND	2	23	1	2	2	39	.53	.24	12	23	.30	343	.01	8	1.76	.01	.12	2	21
KRS-19	1	742	38	211	1.2	48	31	4929	4.42	15	5	ND	2	23	1	2	2	67	.91	.38	11	34	.59	231	.02	11	1.99	.01	.15	2	7
STD C/FA-AU	18	61	38	126	6.7	71	27	1096	3.82	42	19	8	36	51	17	15	21	64	.44	.15	38	57	.88	187	.07	39	1.66	.07	.13	13	52

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU** PPB
YRR-1	4	685	16	24	.4	295	123	136	29.25	5	7	ND	2	1	1	2	2	12	.08	.01	4	5	.17	4	.02	2	.22	.01	.01	2	8
YRR-2	5	3699	20	41	1.0	264	30	359	29.66	7	5	ND	3	3	1	2	2	14	.33	.01	10	8	.31	4	.04	2	.42	.01	.01	2	28
YRR-3	3	235	11	53	.2	49	44	481	10.72	11	5	ND	2	10	1	2	2	96	1.03	.03	2	87	1.53	26	.06	2	1.80	.03	.04	2	12
YRR-4	1	29	5	46	.1	41	12	611	2.53	8	5	ND	2	81	1	2	2	19	2.90	.08	11	40	1.51	20	.01	2	.96	.03	.05	2	1
YRR-5	1	82	2	19	.1	29	17	681	2.88	5	5	ND	2	6	1	2	2	10	.70	.01	2	10	.24	19	.01	23	.19	.01	.01	2	7
YRR-6	1	31	3	29	.2	24	9	565	2.79	7	5	ND	2	21	1	2	2	23	1.83	.02	2	6	1.01	18	.01	21	.63	.01	.01	2	5
YRR-7	6	1618	10	1591	.4	77	39	447	7.76	7	5	ND	2	4	3	2	4	56	.26	.04	3	69	1.31	15	.10	2	1.37	.02	.01	2	19
YRR-8	1	152	12	124	.3	94	47	855	8.13	9	5	ND	2	17	1	2	2	125	1.31	.04	2	115	1.72	23	.20	2	2.91	.02	.02	2	15
YRR-9	2	1415	8	114	.3	101	34	1108	6.52	2	5	ND	2	14	1	2	2	83	1.52	.04	2	116	1.81	7	.01	2	3.06	.02	.01	2	13
YRR-10	1	35	4	111	.1	97	38	822	7.03	8	5	ND	2	7	1	2	2	83	.39	.03	2	109	2.68	35	.10	2	3.34	.01	.04	2	4
YRR-11	2	42	5	93	.2	82	24	1052	5.85	8	5	ND	2	9	1	2	2	82	1.32	.05	2	110	2.49	10	.11	3	3.00	.03	.01	2	6
YRR-12	2	11726	7	78	4.3	27	22	906	7.03	9	7	ND	2	10	1	7	2	85	3.86	.06	2	109	1.58	4	.17	2	2.37	.01	.01	2	960
YRR-13	1	3261	5	50	1.4	48	26	434	3.16	5	5	ND	2	16	1	3	2	48	2.00	.05	4	52	.65	8	.18	2	1.11	.05	.01	2	175
YRR-14	4	1023	15	33	.5	367	273	269	17.11	3	5	ND	2	4	1	2	2	29	.44	.02	15	22	.37	6	.10	2	.59	.05	.02	2	16
YRR-15	2	592	10	27	.2	76	101	342	11.29	7	5	ND	2	4	1	2	2	60	.68	.06	9	4	.57	8	.13	3	.90	.08	.02	2	10
YRR-16	2	232	4	38	.4	98	43	422	4.00	5	5	ND	2	11	1	2	2	92	.75	.02	6	54	.64	32	.18	2	1.17	.02	.06	2	9
YRR-17	2	117	5	85	.2	117	31	1092	6.94	6	5	ND	2	18	1	2	2	92	3.16	.04	2	125	3.15	31	.01	5	2.50	.05	.01	2	4
ERR-1	1	24534	8	154	7.5	33	9	344	5.24	4	5	ND	2	8	3	14	21	48	.89	.14	6	39	.35	8	.17	2	.80	.07	.03	4	450
ERR-2	2	16373	9	161	1.6	75	41	533	10.41	2	5	ND	2	6	2	7	12	65	.41	.08	7	72	.95	4	.15	2	1.40	.02	.01	2	24
ERR-3	1	185	4	42	.2	63	21	738	3.68	2	5	ND	2	48	1	2	2	39	1.90	.10	6	131	2.09	27	.01	2	1.39	.02	.03	2	3
ERR-4	3	276	22	56	.5	49	153	380	24.78	27	5	ND	2	5	1	2	2	61	.21	.02	46	59	.94	6	.14	2	1.18	.01	.01	2	78
ERR-5	3	150	16	18	.3	25	32	1368	18.66	24	5	ND	2	24	1	2	2	11	.56	.16	30	7	.12	4	.18	2	.33	.01	.01	2	8
ERR-6	2	19	5	19	.1	20	5	630	1.65	9	5	ND	2	12	1	2	2	9	1.08	.01	4	14	.19	15	.01	2	.20	.02	.01	2	26
ERR-7	2	271	4	74	.3	144	44	914	6.70	9	6	ND	2	27	1	2	2	121	3.87	.03	2	118	2.04	8	.01	2	3.07	.02	.02	2	8
ERR-8	1	463	6	26	.2	62	31	421	6.36	5	5	ND	2	8	1	2	2	39	.49	.03	7	46	.64	6	.13	2	.86	.02	.01	2	1
ERR-9	1	100	4	32	.1	37	15	629	3.25	9	12	ND	2	15	1	2	2	30	8.70	.02	2	42	1.11	2	.10	2	1.56	.01	.01	2	2
ERR-10	1	1341	6	25	1.0	34	26	262	4.18	4	5	ND	2	7	1	3	2	46	.62	.03	10	41	.57	7	.11	6	.83	.07	.03	2	31
ERR-11	2	37588	14	102	20.3	59	19	233	10.05	4	5	ND	2	6	4	21	41	38	.56	.22	17	36	.35	9	.12	3	.59	.04	.02	2	74400
ERR-12	3	21961	9	69	14.5	19	15	258	8.49	2	5	ND	2	7	2	13	16	49	.47	.13	20	41	.41	14	.19	2	.73	.03	.01	4	880
ERR-13	1	16981	6	64	7.1	49	24	388	6.71	5	5	ND	2	9	1	11	10	65	.75	.10	17	65	.67	17	.16	2	1.17	.08	.04	3	1500
ERR-14	1	2703	15	44	.9	423	309	244	16.62	2	5	ND	2	5	1	2	2	33	.44	.03	35	24	.31	6	.10	2	.56	.05	.02	2	38
ERR-15	2	15569	11	212	1.6	174	136	619	11.18	2	5	ND	2	4	3	9	10	49	.45	.08	27	61	1.15	6	.10	4	1.53	.04	.02	2	88
ERR-16	2	1617	6	32	.2	16	19	398	4.43	6	5	ND	2	5	1	2	2	73	.89	.07	15	6	.66	9	.16	6	1.02	.10	.04	2	22
ERR-17	2	204	9	75	.3	61	27	1177	6.89	2	9	ND	2	23	1	2	2	181	4.80	.04	10	146	2.32	11	.15	2	3.12	.02	.02	2	7
ERR-18	1	2291	5	72	.6	84	46	527	4.35	5	5	ND	2	8	1	2	4	52	1.75	.04	11	55	.80	8	.12	3	1.16	.04	.02	2	34
KRR-1	1	3598	4	94	.3	110	40	365	3.24	5	5	ND	2	5	1	3	3	55	.63	.04	12	68	.58	7	.13	2	.98	.08	.02	2	22
KRR-2	2	355	8	45	.2	45	13	485	9.23	2	5	ND	2	4	1	2	2	69	.22	.02	28	79	.92	17	.21	9	1.29	.02	.03	2	3
STD C/FA-AU	19	60	38	125	6.6	70	27	1083	3.82	42	18	7	37	50	17	15	19	64	.44	.15	38	57	.88	186	.07	38	1.64	.06	.13	13	55

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU** PPB
KRR-3	1	256	5	34	.2	110	37	470	3.70	4	5	ND	2	8	1	2	2	62	.78	.05	8	74	.95	17	.16	15	1.49	.07	.01	2	1
KRR-4	1	19	3	90	.1	7	3	609	2.47	3	5	ND	6	13	1	2	2	3	.61	.04	35	3	.35	64	.01	5	.79	.02	.09	2	1
KRR-5	1	39	4	39	.2	87	17	385	2.47	23	5	ND	2	25	1	2	2	3	1.48	.07	14	6	.16	39	.01	8	.31	.05	.08	2	6
KRR-6	1	159	6	104	.2	63	33	1068	7.34	4	5	ND	2	8	1	2	2	97	1.58	.04	5	110	2.55	24	.26	19	3.10	.02	.01	2	1
KRR-7	1	58	3	69	.1	140	25	569	3.54	2	5	ND	2	7	1	2	2	57	.98	.02	9	91	1.31	14	.14	9	1.68	.06	.04	2	1
KRR-8	1	120	16	47	.3	100	104	413	11.59	18	5	ND	2	7	1	2	2	44	.35	.02	16	75	1.13	7	.16	99	1.34	.08	.02	2	52
KRR-9	1	77	4	50	.2	110	17	408	3.21	4	5	ND	2	12	1	2	2	50	.96	.05	8	78	1.29	17	.14	27	1.45	.07	.02	2	1
KRR-10	1	65	7	63	.2	64	13	499	5.98	2	5	ND	2	7	1	2	2	95	.41	.03	11	100	1.20	20	.30	13	1.60	.05	.05	2	1
KRR-11	1	21	11	45	.1	26	11	470	2.33	4	5	ND	8	19	1	2	2	42	.35	.03	18	40	.69	83	.10	9	1.52	.03	.27	2	1
KRR-12	1	55	3	32	.2	85	25	1307	5.03	18	5	ND	2	56	1	2	2	15	9.01	.04	3	29	1.96	24	.01	32	.49	.05	.03	2	3
KRR-13	1	14	5	44	.2	59	14	1259	3.89	3	5	ND	2	36	1	2	2	84	9.37	.02	2	97	1.18	7	.02	7	1.86	.02	.02	2	1
KRR-14	1	9378	4	91	2.9	50	15	497	4.68	4	5	ND	2	6	1	7	7	64	1.46	.08	6	52	.52	13	.15	11	1.08	.15	.09	2	150
KRR-15	1	549	5	43	.3	11	29	601	6.10	3	5	ND	2	15	1	2	2	31	1.06	.06	16	8	.95	24	.08	16	1.62	.10	.14	2	8
KRR-16	1	2066.	9	99	1.0	53	44	1144	11.33	16	5	ND	2	8	1	2	2	163	1.32	.04	4	156	2.86	18	.15	13	3.97	.01	.08	2	43
KRR-17	1	3465.	9	108	1.6	46	47	1311	9.54	30	5	ND	2	15	1	2	2	140	4.04	.04	2	129	2.62	7	.10	44	3.83	.01	.01	2	54
KRR-19	1	1568	4	72	.7	90	17	541	3.34	2	5	ND	2	13	1	2	2	85	1.58	.04	7	62	.69	5	.16	4	1.16	.05	.02	2	22
STD C/FA-AU	18	62	39	123	6.6	69	27	1079	3.82	40	17	7	36	49	16	15	19	57	.44	.14	41	56	.88	181	.07	38	1.63	.06	.13	13	50

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR Mn,Fe,Ca,P,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Si,Zr,Ce,Sn,Y,Nb and Ta. Au DETECTION LIMIT BY ICP IS 3 ppb.
- SAMPLE TYPE: SOILS AU## ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 16 1984 DATE REPORT MAILED: 16v22/84 ASSAYER. ..DEAN TOYE. CERTIFIED B.C. ASSAYER

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au## ppb
9101A1	1	13	1	19	.1	15	4	96	1.14	2	5	ND	2	6	1	2	2	17	.18	.01	5	20	.31	23	.04	4	.57	.01	.03	2	1
9102A1	1	15	5	62	.1	16	6	180	1.70	2	5	ND	2	9	1	2	2	24	.22	.05	5	22	.30	55	.03	3	.90	.01	.03	2	2
9103A1	1	7	3	19	.2	10	3	47	.76	5	5	ND	2	3	1	2	2	12	.06	.01	4	13	.18	14	.03	4	.48	.01	.01	2	2
9104A1	1	13	2	14	.2	14	3	57	.77	2	5	ND	2	4	1	2	2	13	.10	.01	3	17	.23	13	.03	3	.48	.01	.01	2	2
9105A1	1	69	9	68	.2	57	12	443	2.51	3	5	ND	3	9	1	4	2	31	.38	.04	18	38	.46	65	.05	3	1.56	.01	.04	2	16
9106A1	1	27	4	98	.1	37	11	266	1.82	5	5	ND	2	8	1	3	2	26	.29	.03	7	27	.50	53	.05	3	1.28	.01	.04	2	4
9107A1	2	51	11	248	.1	41	17	995	2.63	4	5	ND	2	13	1	2	2	34	.65	.06	10	29	.39	131	.04	4	2.05	.01	.04	2	36
9108A1	1	77	15	272	.1	32	14	599	3.05	5	5	ND	2	13	1	2	2	40	.82	.16	10	33	.24	156	.03	4	2.37	.01	.04	2	14
9109A1	1	20	8	47	.2	20	10	228	1.41	2	5	ND	2	10	1	2	2	21	.55	.02	9	22	.26	53	.03	3	1.04	.01	.02	2	19
9110A1	1	27	6	70	.1	37	10	197	1.98	2	5	ND	2	7	1	2	2	27	.21	.03	6	34	.46	54	.03	3	1.22	.01	.02	2	11
9111A1	1	18	6	49	.1	23	6	149	1.51	2	5	ND	2	7	1	2	2	22	.13	.03	5	27	.33	37	.03	3	.66	.01	.04	2	9
9112A1	1	139	11	79	.1	59	16	1457	2.21	3	5	ND	3	12	1	2	2	30	.39	.05	21	36	.36	99	.03	3	1.75	.01	.04	2	7
9113A1	1	11	4	81	.1	29	6	212	1.45	2	5	ND	2	5	1	2	2	18	.08	.05	5	24	.30	45	.02	3	.72	.01	.04	2	4
9114A1	1	11	10	65	.1	11	4	588	2.02	3	5	ND	2	6	1	2	2	24	.09	.09	5	17	.21	66	.03	2	.90	.01	.04	2	1
9115A1	1	15	9	81	.1	16	5	210	1.90	2	5	ND	2	4	1	2	2	23	.05	.09	5	19	.31	49	.03	2	1.35	.01	.03	2	3
9116A1	1	15	5	55	.1	11	4	106	1.10	2	5	ND	2	5	1	2	3	17	.08	.01	6	14	.23	41	.03	3	.67	.01	.02	2	4
9117A1	1	9	3	38	.3	14	5	492	1.05	3	5	ND	2	4	1	2	2	16	.06	.02	5	21	.26	34	.03	3	.63	.01	.03	2	12
9118A1	1	2	4	23	.1	6	2	60	.60	3	5	ND	2	3	1	2	2	9	.04	.02	6	10	.12	19	.02	3	.35	.01	.01	2	1
9119A1	1	3	4	39	.1	13	3	202	.91	2	5	ND	2	5	1	2	2	12	.08	.03	5	16	.20	32	.03	3	.43	.01	.02	2	1
9120A1	1	15	9	63	.1	34	6	214	2.48	5	5	ND	2	8	1	2	2	28	.11	.28	4	29	.38	65	.05	3	1.35	.01	.04	2	9
9121A1	1	12	8	63	.1	23	6	149	1.76	2	5	ND	2	7	1	2	2	27	.12	.05	5	25	.41	30	.04	4	.83	.01	.04	2	24
9122A1	1	1	4	6	.1	2	1	14	.32	2	5	ND	2	4	1	2	3	6	.04	.01	3	6	.03	20	.01	5	.15	.01	.03	2	9
9123A1	1	4	5	17	.1	9	2	46	.97	2	5	ND	2	4	1	2	2	16	.04	.02	4	18	.15	20	.02	3	.43	.01	.01	2	4
9124A1	3	418	11	151	.3	298	18	887	3.87	6	5	ND	8	17	1	2	2	40	.43	.11	51	53	.61	233	.06	4	3.58	.01	.10	2	2
9125A1	1	118	12	67	.3	80	11	408	2.71	4	5	ND	4	19	1	4	2	34	.44	.03	30	46	.64	119	.05	3	2.18	.01	.07	2	4
9126A1	1	119	10	54	.2	65	9	621	2.39	3	5	ND	4	21	1	2	2	30	.67	.04	41	35	.59	94	.05	4	1.78	.01	.07	2	8
9127A1	1	3	4	12	.1	4	1	34	.43	2	5	ND	2	5	1	2	2	9	.08	.01	4	9	.11	14	.02	4	.24	.01	.01	2	12
9128A1	1	2	2	7	.3	1	1	20	.22	2	5	ND	2	5	1	2	2	5	.06	.01	4	4	.03	23	.01	5	.14	.01	.01	2	1
9129A1	1	5	2	21	.2	9	2	65	.81	2	5	ND	2	4	1	2	2	13	.07	.02	5	14	.25	13	.04	4	.48	.01	.01	2	2
9130A1	1	6	4	25	.2	11	2	70	.73	3	5	ND	2	5	1	2	2	12	.10	.02	4	13	.24	22	.03	3	.52	.01	.03	2	1
9131A1	1	8	5	32	.3	12	3	95	.94	2	5	ND	2	5	1	3	2	14	.13	.01	5	18	.33	17	.05	3	.59	.01	.02	2	9
9132A1	1	9	2	25	.3	14	3	89	1.14	3	5	ND	2	5	1	3	2	17	.17	.02	6	19	.30	22	.04	4	.66	.01	.03	2	1
9133A1	1	5	4	25	.1	10	3	73	.90	4	5	ND	2	5	1	2	2	14	.09	.01	5	15	.28	20	.04	5	.50	.01	.02	2	1
9134A1	1	6	9	47	.1	9	4	411	.94	2	5	ND	2	7	1	2	2	15	.14	.02	7	16	.24	57	.02	3	.59	.01	.02	2	1
9135A1	1	9	6	75	.1	16	5	273	1.62	2	5	ND	2	7	1	2	2	22	.13	.00	5	26	.36	51	.05	4	.83	.01	.06	2	1
9136A1	1	12	4	40	.1	22	5	157	1.70	3	5	ND	2	8	1	2	2	25	.16	.03	5	41	.56	29	.08	3	.93	.01	.07	2	1
9137A1	1	4	4	14	.1	9	2	52	.68	4	5	ND	2	5	1	2	3	10	.09	.01	5	13	.24	14	.03	3	.46	.01	.03	2	1
STD C/FA-AU	20	57	41	131	7.1	67	26	1050	3.93	41	17	7	33	51	16	12	17	57	.44	.14	37	58	.88	176	.08	40	1.72	.06	.12	13	54

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au†† ppb
9138A1	1	5	6	14	.2	8	2	78	.67	3	7	ND	4	10	1	2	2	13	.23	.01	8	11	.20	17	.05	5	.48	.01	.05	2	1
9139A1	1	7	6	25	.2	15	4	151	1.38	2	11	ND	5	14	1	2	3	26	.27	.02	10	28	.43	29	.09	6	.79	.02	.11	2	2
9140A1	1	7	3	25	.1	14	3	136	1.16	2	5	ND	3	11	1	2	3	20	.21	.02	7	22	.39	29	.08	6	.71	.01	.07	2	1
9141A1	2	18	9	125	.1	61	10	232	3.18	5	5	ND	2	11	1	2	4	43	.18	.09	7	50	.59	81	.08	9	2.35	.01	.05	2	1
9142A1	2	69	15	177	.1	32	11	542	2.73	2	5	ND	2	10	1	2	2	40	.15	.12	9	34	.37	135	.04	7	2.46	.01	.06	2	1
9143A1	1	12	12	123	.2	22	7	341	2.38	3	6	ND	4	8	1	2	2	36	.14	.08	9	29	.36	85	.06	6	2.03	.01	.06	2	2
9144A1	1	14	13	114	.1	25	7	426	2.54	2	5	ND	2	11	1	2	3	37	.19	.14	8	29	.35	92	.07	6	2.07	.01	.07	2	1
9145A1	1	6	9	63	.1	12	5	772	1.42	4	5	ND	2	11	1	3	2	24	.16	.04	8	18	.26	59	.05	5	.84	.01	.08	2	1
9146A1	1	11	8	70	.1	30	8	309	2.07	2	5	ND	2	8	1	3	3	32	.12	.03	8	49	.53	68	.07	4	1.41	.01	.04	2	4
9147A1	2	19	14	185	.1	48	17	2751	3.83	4	5	ND	2	22	1	5	7	63	.44	.17	9	120	1.29	198	.14	11	2.46	.01	.10	2	1
9148A1	1	7	3	51	.1	19	4	225	1.47	3	5	ND	2	10	1	2	3	24	.17	.03	5	30	.29	35	.06	4	.89	.01	.06	2	1
9149A1	1	17	9	121	.1	46	8	762	2.29	5	5	ND	3	10	1	2	3	31	.14	.10	7	40	.46	85	.06	6	1.73	.01	.07	2	1
9150A1	2	46	21	149	.6	13	8	2076	2.02	5	5	ND	2	11	1	2	2	35	.19	.13	10	21	.20	118	.01	6	1.33	.01	.07	2	1
9151A1	1	20	10	77	.1	10	8	2291	1.18	4	5	ND	2	12	1	2	2	24	.16	.05	11	17	.19	114	.03	5	.94	.01	.07	2	1
9152A1	1	3	4	17	.1	4	1	122	.38	2	5	ND	2	8	1	2	2	9	.10	.02	7	7	.06	30	.02	3	.30	.01	.04	2	2
9153A1	1	8	7	80	.2	248	27	452	3.40	2	5	ND	3	8	1	8	8	18	.14	.04	5	74	1.28	34	.05	6	.88	.02	.04	2	1
9154A1	1	12	9	160	.3	33	9	2500	1.68	3	5	ND	2	20	1	3	4	23	.34	.07	8	27	.45	142	.05	5	1.03	.01	.08	2	1
9155A1	1	2	4	34	.1	5	2	143	.65	4	5	ND	2	7	1	2	3	12	.09	.01	8	11	.12	27	.03	3	.41	.01	.03	2	1
9156A1	1	3	4	34	.1	3	1	68	.51	3	5	ND	2	10	1	3	2	11	.16	.02	7	9	.10	43	.02	4	.28	.01	.05	2	1
9157A1	1	3	5	41	.1	15	3	117	.95	4	5	ND	2	11	1	2	2	17	.15	.02	8	24	.23	34	.05	4	.54	.01	.04	2	2
9158A1	2	26	14	111	.1	20	5	148	3.04	4	5	ND	3	9	1	2	2	48	.10	.23	11	31	.34	93	.04	6	2.20	.01	.07	2	1
9159A1	3	214	11	59	.2	28	7	171	8.75	7	5	ND	2	9	1	2	2	47	.15	.12	8	39	.35	67	.09	11	1.60	.01	.05	2	2
9160A1	2	26	13	62	.1	25	9	113	2.90	4	5	ND	3	13	1	2	2	53	.13	.04	9	32	.33	75	.08	5	2.08	.01	.05	2	1
9161A1	1	64	8	18	.2	5	1	55	.67	3	5	ND	2	5	1	2	2	15	.10	.03	7	11	.11	46	.02	3	.74	.01	.03	2	8
9162A1	1	17	9	92	.2	47	9	226	2.14	3	7	ND	3	10	1	3	2	42	.17	.04	9	73	.61	81	.04	6	1.45	.01	.04	2	4
9163A1	1	11	4	33	.2	34	5	106	1.61	2	5	ND	3	9	1	2	2	25	.16	.02	6	45	.39	18	.06	6	.67	.01	.03	2	1
9164A1	1	13	12	44	.1	28	5	218	1.41	3	5	ND	2	10	1	4	2	21	.19	.03	7	39	.38	58	.05	4	.68	.01	.05	2	1
9165A1	1	21	5	28	.1	25	5	117	1.61	3	5	ND	2	8	1	2	2	28	.18	.03	7	22	.40	25	.08	4	.83	.01	.03	2	1
9166A1	1	7	8	44	.1	17	5	304	1.34	2	5	ND	2	16	1	2	3	26	.24	.02	11	26	.34	59	.07	5	.84	.01	.06	2	1
9167A1	1	3	1	16	.1	7	1	54	.58	2	5	ND	2	8	1	2	2	12	.10	.01	6	11	.16	16	.05	5	.52	.01	.02	2	1
9168A1	1	8	4	25	.1	10	2	54	.89	5	5	ND	2	9	1	2	2	17	.10	.02	8	20	.18	34	.04	4	.82	.01	.04	2	1
9169A1	1	9	1	23	.1	14	4	125	1.34	2	5	ND	3	13	1	2	2	24	.24	.05	8	25	.41	19	.07	6	.78	.02	.06	2	1
9170A1	1	10	5	27	.1	16	4	136	1.58	3	5	ND	5	16	1	2	2	30	.26	.02	11	29	.44	40	.07	7	.98	.02	.08	2	2
9171A1	1	11	2	21	.1	25	5	86	1.79	2	5	ND	2	10	1	2	2	34	.17	.01	6	32	.31	19	.07	4	.98	.01	.02	2	7
9172A1	2	58	14	148	.2	20	17	1145	3.49	5	5	ND	2	27	1	2	2	62	.72	.15	12	25	.39	124	.03	8	1.89	.01	.14	2	8
9173A1	1	11	11	39	.1	11	2	89	1.69	2	5	ND	2	10	1	2	2	34	.16	.04	8	25	.19	37	.03	2	.97	.01	.06	2	4
9174A1	1	20	2	25	.2	23	5	89	1.40	2	5	ND	4	7	1	3	2	23	.14	.05	9	21	.29	25	.05	3	.91	.01	.04	2	1
STD C/FA-AU	19	60	42	126	7.0	66	25	1063	3.94	39	18	7	35	50	16	16	21	56	.44	.14	37	56	.88	174	.08	40	1.72	.06	.14	13	54

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au†† ppb
9175A1	1	5	4	43	.2	11	4	100	.97	2	5	ND	3	9	1	2	2	19	.14	.02	7	19	.23	27	.05	6	.66	.01	.03	2	2
9176A1	1	9	4	39	.1	19	5	149	1.74	4	5	ND	5	10	1	2	2	34	.17	.02	12	37	.31	35	.07	10	.81	.01	.03	2	7
9177A1	1	25	4	42	.1	32	7	351	1.88	4	5	ND	6	16	1	2	2	34	.30	.04	11	35	.53	37	.09	11	1.19	.01	.09	2	2
9178A1	1	73	10	252	.2	60	21	792	3.47	3	5	ND	5	13	1	2	2	45	.19	.17	11	48	.65	111	.08	16	2.24	.01	.08	2	10
9179A1	2	37	10	138	.2	59	10	219	3.41	6	5	ND	5	10	1	2	2	46	.15	.24	9	53	.67	80	.09	17	2.48	.01	.07	2	10
9180A1	1	28	13	159	.1	42	8	187	3.30	4	5	ND	4	9	1	2	2	46	.12	.27	9	52	.62	69	.08	15	2.54	.01	.06	2	25
9181A1	1	15	4	39	.1	25	4	86	1.27	3	5	ND	3	8	1	2	2	20	.20	.03	7	28	.29	32	.05	7	.94	.01	.03	2	10
9182A1	1	5	4	52	.1	16	3	78	1.35	2	5	ND	4	8	1	2	2	23	.13	.06	6	28	.25	33	.05	7	.74	.01	.04	2	6
9183A1	1	6	3	69	.3	21	4	94	2.13	2	5	ND	5	8	1	2	2	39	.15	.12	9	44	.28	32	.05	9	.88	.01	.05	2	3
9184A1	1	7	4	22	.1	19	5	116	2.06	4	5	ND	7	11	1	2	2	41	.24	.10	12	41	.30	30	.06	9	.64	.01	.06	2	1
9185A1	1	6	3	49	.1	14	4	165	1.41	2	5	ND	4	10	1	2	2	25	.18	.07	7	27	.27	33	.05	6	.70	.01	.04	2	14
9186A1	1	7	5	83	.1	17	5	182	1.52	5	5	ND	3	10	1	2	2	26	.17	.09	8	34	.26	43	.05	8	.77	.01	.04	2	6
9187A1	1	10	3	35	.1	19	3	92	1.29	4	5	ND	4	9	1	2	2	21	.20	.12	7	25	.27	29	.05	6	.65	.01	.03	2	25
9188A1	1	7	6	222	.3	17	8	932	1.32	4	7	ND	3	10	1	2	2	22	.14	.06	8	33	.29	70	.05	7	.80	.01	.10	2	12
9189A1	1	34	4	77	.2	67	10	188	2.56	3	5	ND	4	12	1	2	2	37	.25	.08	7	103	.83	24	.08	9	1.57	.02	.05	2	4
9190A1	1	53	8	191	.2	80	13	412	2.37	5	5	ND	4	11	1	2	2	33	.26	.08	6	80	.72	99	.07	9	2.13	.01	.06	2	17
9191A1	1	45	5	51	.1	47	8	183	2.16	3	5	ND	5	11	1	2	2	32	.25	.04	9	61	.63	37	.08	7	1.49	.02	.03	2	6
9192A1	1	13	3	81	.1	25	6	278	1.84	4	5	ND	4	14	1	2	2	30	.25	.05	11	45	.39	41	.08	8	1.27	.01	.04	2	15
9193A1	1	71	11	101	.1	45	9	242	3.72	2	5	ND	13	30	1	2	2	59	.57	.06	21	73	1.23	186	.17	13	3.52	.03	.35	2	6
9194A1	1	65	15	90	.2	43	11	340	4.37	2	5	ND	11	22	1	2	2	57	.43	.07	15	65	1.25	154	.14	13	3.29	.03	.31	2	6
9195A1	1	16	7	30	.1	18	5	175	1.60	2	5	ND	4	14	1	2	2	25	.25	.04	8	29	.64	45	.09	10	1.13	.02	.12	2	1
9196A1	1	14	5	41	.2	21	5	188	1.77	5	5	ND	5	15	1	2	2	29	.29	.04	9	31	.72	48	.11	6	1.16	.03	.14	2	2
9197A1	1	6	1	19	.3	13	3	84	.96	4	5	ND	4	9	1	2	2	17	.21	.05	7	18	.31	18	.06	4	.59	.01	.04	2	2
9198A1	1	5	3	19	.2	11	2	65	.70	4	5	ND	5	10	1	2	2	12	.14	.01	8	17	.24	17	.06	4	.51	.01	.04	2	1
9199A1	1	68	17	84	.2	56	15	494	4.38	7	5	ND	14	28	1	2	4	62	.45	.04	19	68	1.92	176	.20	12	3.25	.06	.38	2	1
9200A1	1	8	2	35	.1	24	4	114	1.34	2	5	ND	3	9	1	2	2	23	.17	.04	7	33	.41	24	.06	4	.61	.01	.05	2	2
9201A1	1	3	1	59	.1	12	4	205	1.17	2	5	ND	2	7	1	2	2	20	.11	.06	6	24	.21	35	.05	5	.69	.01	.03	2	7
9202A1	1	9	4	99	.1	22	6	167	1.93	3	5	ND	3	9	1	2	2	29	.14	.17	7	35	.33	53	.05	7	1.27	.01	.05	2	2
9203A1	1	12	5	95	.1	23	5	271	2.05	2	5	ND	3	10	1	2	2	34	.14	.07	9	44	.38	62	.07	6	1.12	.01	.05	2	4
9204A1	1	6	3	47	.1	18	4	83	1.79	4	5	ND	3	8	1	2	2	30	.13	.07	7	29	.22	26	.06	8	1.02	.01	.02	2	5
9205A1	1	3	2	30	.2	10	2	70	1.11	5	5	ND	3	7	1	2	2	21	.10	.04	7	22	.17	18	.05	5	.55	.01	.03	2	1
9206A1	1	3	2	39	.1	12	2	151	1.10	2	5	ND	2	9	1	2	2	21	.15	.02	7	24	.20	34	.05	6	.51	.01	.04	2	4
9207A1	1	8	4	52	.1	18	4	101	1.81	3	5	ND	3	9	1	2	2	31	.12	.08	7	30	.32	26	.07	8	1.00	.01	.02	2	10
9208A1	1	7	3	34	.1	16	3	79	1.68	5	5	ND	4	6	1	2	2	31	.10	.03	8	24	.22	20	.07	6	1.02	.01	.03	2	1
9209A1	1	38	9	78	.1	71	10	179	2.66	3	5	ND	4	10	1	2	2	37	.19	.10	7	47	.67	55	.09	5	1.95	.02	.04	2	7
9210A1	1	93	12	59	.2	10	2	66	1.67	6	5	ND	2	8	1	2	2	23	.11	.17	9	23	.12	95	.02	4	1.11	.01	.04	2	1
9211A1	3	288	9	389	.2	187	22	1350	2.52	3	5	ND	7	15	1	2	2	31	.37	.13	27	42	.48	120	.06	7	3.04	.01	.07	2	2
STD C/FA-AU	19	58	40	128	7.1	68	26	1059	3.94	42	19	7	36	51	16	15	19	57	.44	.14	38	57	.88	178	.08	41	1.72	.06	.12	13	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au## ppb
9212A1	1	10	3	55	.2	17	5	351	1.28	4	5	ND	2	8	1	2	2	20	.15	.04	6	23	.31	39	.04	5	.94	.01	.06	2	2
9213A1	1	13	8	53	.3	32	6	155	2.64	3	5	ND	3	9	1	2	2	39	.16	.15	6	53	.44	46	.06	3	1.15	.01	.08	2	2
9214A1	1	8	5	164	.3	26	6	291	2.34	2	5	ND	3	9	1	2	2	35	.13	.18	4	47	.41	64	.05	2	1.21	.01	.13	2	3
9215A1	1	10	4	73	.2	28	5	318	2.07	3	5	ND	3	9	1	2	2	34	.13	.08	4	48	.42	30	.06	3	.92	.01	.07	2	2
9216A1	1	10	3	157	.2	30	8	240	2.38	2	5	ND	5	12	1	2	2	32	.16	.25	3	43	.40	96	.05	2	1.62	.01	.07	2	5
9217A1	1	24	3	50	.2	61	9	140	2.01	3	5	ND	4	9	1	3	2	29	.18	.09	6	41	.59	31	.07	3	1.22	.01	.08	2	3
9218A1	1	26	7	183	.3	56	10	269	3.06	2	6	ND	3	10	1	2	2	39	.14	.22	3	55	.60	82	.07	2	2.20	.01	.09	2	3
9219A1	1	12	6	117	.4	35	7	179	2.12	3	5	ND	3	9	1	2	2	28	.11	.12	5	47	.40	55	.05	2	1.29	.01	.06	2	17
9220A1	1	274	9	179	.1	28	14	141	2.71	5	5	ND	2	14	1	2	2	41	.78	.05	5	29	.35	41	.05	4	1.59	.01	.03	2	16
9221A1	1	194	1	37	.1	25	4	124	1.03	2	5	ND	3	7	1	2	2	18	.18	.02	9	20	.25	17	.05	3	.73	.01	.02	2	1
9222A1	1	72	3	50	.1	21	6	266	1.68	2	5	ND	2	9	1	2	2	28	.27	.03	6	22	.36	40	.06	3	1.07	.01	.03	2	1
9223A1	2	152	15	155	.3	106	26	671	3.38	5	8	ND	4	14	1	2	2	47	.28	.11	5	43	.57	140	.06	2	3.20	.01	.08	2	1
9224A1	1	30	2	55	.1	19	6	323	1.34	2	5	ND	2	8	1	2	2	22	.18	.02	8	19	.27	31	.05	4	.86	.01	.04	2	1
9225A1	1	6	3	20	.2	7	3	123	.74	2	5	ND	2	7	1	2	2	17	.09	.02	7	15	.14	31	.03	5	.45	.01	.03	2	2
9226A1	1	3	1	14	.2	7	1	40	.47	2	5	ND	2	5	1	2	2	8	.08	.01	5	11	.13	14	.03	3	.34	.01	.01	2	1
9227A1	1	5	1	43	.2	22	4	113	1.25	2	5	ND	2	7	1	2	3	21	.12	.03	4	39	.27	22	.04	2	.57	.01	.03	2	1
9228A1	1	4	1	26	.1	20	3	215	1.05	3	5	ND	2	8	1	2	2	18	.12	.02	4	33	.26	19	.03	2	.45	.01	.02	2	1
9229A1	1	3	2	33	.2	7	3	206	.70	2	5	ND	2	7	1	2	3	14	.10	.02	5	14	.15	35	.03	3	.45	.01	.02	2	1
9230A1	1	12	7	64	.2	37	7	411	2.23	4	5	ND	2	10	1	2	2	32	.15	.09	3	39	.44	53	.05	3	1.31	.01	.05	2	1
9231A1	1	13	22	77	.1	27	9	1231	1.61	2	5	ND	2	11	1	2	2	26	.15	.05	7	30	.29	104	.03	3	1.02	.01	.06	2	5
9232A1	1	19	10	103	.1	31	6	189	2.22	2	5	ND	2	8	1	2	2	35	.14	.06	5	38	.41	60	.05	2	1.42	.01	.04	2	1
9233A1	1	9	5	72	.1	26	6	423	1.44	3	7	ND	2	8	1	2	3	24	.13	.03	4	33	.31	37	.04	2	.67	.01	.04	2	2
9234A1	1	21	6	46	.1	48	7	148	1.57	2	5	ND	2	12	1	2	2	22	.43	.03	7	33	.49	37	.06	6	.95	.01	.05	2	2
9235A1	1	36	7	51	.1	52	14	441	3.13	5	5	ND	6	18	1	3	2	40	.61	.02	11	47	1.14	92	.11	8	2.01	.03	.21	2	2
9236A1	2	78	13	92	.5	71	17	1255	4.82	3	5	ND	11	41	1	2	2	60	1.16	.06	46	64	1.39	273	.10	5	3.83	.03	.32	2	2
9237A1	1	33	7	62	.2	37	9	351	2.81	2	5	ND	9	23	1	5	2	39	.71	.05	22	44	1.00	112	.10	6	2.06	.03	.21	2	2
9238A1	1	15	6	34	.1	21	5	154	1.71	4	5	ND	4	14	1	3	2	28	.35	.03	10	30	.53	51	.08	6	1.14	.01	.11	2	2
9239A1	1	6	2	27	.1	14	3	74	.82	2	5	ND	2	8	1	2	2	15	.12	.01	4	18	.26	22	.05	3	.52	.01	.05	2	1
9240A1	1	3	2	20	.1	5	1	47	.81	2	5	ND	2	7	1	2	3	17	.11	.01	6	19	.11	23	.03	3	.35	.01	.03	2	1
9241A1	1	4	2	28	.1	9	2	96	1.06	2	5	ND	2	10	1	2	2	20	.15	.02	3	26	.16	33	.03	3	.37	.01	.03	2	4
9242A1	2	66	16	77	.2	52	22	870	4.54	2	5	ND	11	27	1	9	3	72	.57	.03	12	68	1.94	174	.19	7	3.17	.05	.48	2	1
9243A1	1	30	6	44	.1	31	8	150	2.51	2	5	ND	6	15	1	5	2	35	.55	.05	17	42	.84	118	.08	6	1.61	.02	.20	2	1
9244A1	1	22	9	41	.1	26	8	340	2.33	2	5	ND	5	16	1	5	3	39	.33	.02	10	36	.95	70	.10	5	1.50	.02	.20	2	1
9245A1	1	5	4	29	.2	17	3	83	1.34	2	5	ND	3	8	1	2	2	25	.11	.01	6	36	.33	23	.06	3	.66	.01	.04	2	2
9246A1	1	8	1	64	.1	21	5	183	1.43	2	5	ND	2	7	1	2	2	23	.12	.05	6	35	.33	32	.05	2	.84	.01	.04	2	3
9247A1	1	12	2	85	.1	33	7	302	1.76	2	5	ND	2	10	1	2	2	25	.17	.08	7	43	.45	44	.05	3	1.12	.01	.04	2	4
9248A1	1	8	7	81	.1	26	6	247	1.50	2	5	ND	2	9	1	2	2	23	.13	.05	8	33	.37	60	.05	7	1.04	.01	.04	2	4
STD C/FA-AU	19	60	42	126	6.9	66	25	1054	3.94	41	18	7	34	50	15	16	20	59	.44	.13	38	58	.88	176	.07	38	1.72	.06	.14	12	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au## ppb
9249A1	1	13	6	44	.1	31	6	144	1.87	2	5	ND	3	12	1	2	2	30	.17	.04	7	51	.46	50	.07	2	1.11	.01	.04	2	6
9250A1	1	2	5	9	.2	5	1	40	.66	2	9	ND	2	7	1	2	2	14	.09	.01	8	18	.10	11	.03	2	.27	.01	.02	2	8
9251A1	1	13	6	45	.2	35	7	231	2.50	2	5	ND	2	13	1	2	2	37	.19	.16	5	52	.42	67	.05	2	1.51	.01	.04	2	2
9252A1	1	5	6	39	.1	19	4	104	1.34	2	5	ND	5	10	1	2	2	25	.13	.02	11	41	.35	33	.06	2	.73	.01	.04	2	2
9253A1	1	9	13	45	.2	34	7	119	2.53	2	5	ND	2	10	1	2	2	38	.15	.19	5	57	.37	66	.04	2	1.64	.01	.05	2	2
9254A1	1	22	10	52	.1	61	10	247	2.75	2	5	ND	2	10	1	2	3	39	.18	.10	4	66	.60	73	.06	2	1.59	.01	.06	2	3
9255A1	1	18	5	31	.1	29	6	206	1.62	3	5	ND	3	8	1	2	2	26	.17	.08	8	34	.35	36	.05	3	.86	.01	.06	2	8
9256A1	1	10	8	71	.2	31	6	135	2.11	2	5	ND	2	10	1	2	2	30	.13	.14	4	40	.38	52	.05	2	1.44	.01	.05	2	12
9257A1	1	7	7	40	.1	20	4	220	1.87	4	5	ND	5	20	1	2	2	33	.24	.02	12	39	.57	54	.11	2	1.16	.01	.14	2	3
9258A1	1	19	10	57	.4	29	7	241	2.63	5	8	ND	7	28	1	3	2	46	.28	.03	11	47	.78	81	.10	3	2.04	.01	.24	2	1
9259A1	1	3	2	25	.1	5	1	52	.43	2	5	ND	2	8	1	2	2	9	.08	.02	11	13	.10	57	.03	3	.40	.01	.04	2	2
9260A1	2	42	9	111	.3	143	15	320	3.49	2	5	ND	3	11	1	2	2	39	.21	.12	6	85	.83	56	.08	2	1.89	.01	.10	2	15
9261A1	1	3	5	33	.1	7	2	112	.75	2	5	ND	2	7	1	2	2	14	.09	.02	7	22	.17	37	.03	4	.49	.01	.02	2	12
9262A1	1	18	9	61	.1	16	3	100	1.36	2	5	ND	2	11	1	2	2	20	.13	.10	9	24	.28	74	.03	3	1.38	.01	.06	2	18
9263A1	1	8	5	44	.2	23	5	434	1.34	2	8	ND	2	7	1	2	2	21	.10	.02	6	42	.35	33	.05	2	.89	.01	.04	2	8
9264A1	1	9	3	34	.1	14	3	90	1.18	2	5	ND	2	8	1	2	3	19	.12	.03	7	31	.26	28	.03	2	.78	.01	.03	2	14
9265A1	2	45	20	74	.2	8	2	242	2.76	4	5	ND	3	7	1	2	2	44	.09	.28	10	23	.18	95	.02	2	2.22	.01	.06	2	2
9266A1	2	49	12	148	.2	57	11	295	3.43	3	5	ND	3	8	1	2	2	47	.15	.33	6	46	.55	83	.06	2	2.88	.01	.07	2	4
9267A1	1	6	4	32	.1	12	2	93	1.26	3	5	ND	2	8	1	2	2	24	.12	.03	6	30	.25	35	.03	3	.75	.01	.02	2	8
9268A1	1	14	5	47	.1	33	6	174	1.95	3	5	ND	3	9	1	2	2	30	.19	.11	6	39	.41	42	.06	3	1.07	.01	.05	2	1
9269A1	1	6	7	83	.1	18	5	144	1.65	3	5	ND	2	8	1	2	2	26	.12	.07	6	36	.34	40	.06	3	.98	.01	.05	2	2
9270A1	1	3	2	26	.1	5	3	275	.87	3	5	ND	2	6	1	2	2	18	.07	.01	5	23	.11	33	.03	3	.35	.01	.02	2	3
9271A1	1	6	6	48	.2	12	5	182	1.21	2	5	ND	4	11	1	2	2	21	.16	.01	9	23	.39	48	.07	4	.76	.01	.06	2	1
9272A1	1	17	8	37	.2	20	6	203	1.79	2	5	ND	4	13	1	2	2	29	.25	.01	7	30	.69	47	.09	5	1.21	.02	.13	2	1
9273A1	3	54	10	67	.2	51	13	390	3.40	7	5	ND	10	27	1	2	2	54	.64	.07	30	47	1.00	190	.12	7	2.27	.02	.26	2	4
9274A1	2	72	20	99	.2	54	23	1100	4.91	5	5	ND	14	31	1	3	2	76	.58	.03	18	72	2.03	206	.20	9	3.53	.05	.51	2	2
9275A1	2	76	18	95	.1	56	18	864	4.93	5	5	ND	14	30	1	4	2	76	.60	.04	23	73	2.18	194	.20	8	3.56	.05	.49	2	1
9276A1	2	33	10	90	.1	34	10	457	2.97	3	5	ND	9	23	1	2	2	49	.46	.04	15	48	1.39	121	.17	5	2.07	.04	.29	2	1
9277A1	2	77	16	94	.3	57	19	723	5.00	2	5	ND	14	32	1	2	2	76	.60	.04	20	75	2.08	226	.20	9	3.79	.05	.50	2	1
9278A1	1	39	9	53	.1	30	7	246	2.77	3	5	ND	7	21	1	2	2	44	.34	.03	10	46	1.16	101	.13	10	2.05	.03	.24	2	1
9279A1	1	15	6	43	.1	20	5	245	1.66	2	5	ND	5	14	1	2	2	29	.23	.02	9	30	.74	55	.10	4	1.15	.02	.10	2	2
9280A1	1	20	7	36	.2	21	6	237	2.00	3	7	ND	5	14	1	2	2	35	.23	.02	8	36	.81	54	.10	5	1.33	.02	.12	2	1
9281A1	1	2	4	15	.2	5	2	108	.86	3	7	ND	2	6	1	2	2	18	.08	.03	4	16	.12	21	.04	4	.31	.01	.03	2	1
9282A1	1	5	8	46	.1	17	4	97	1.78	2	5	ND	2	7	1	2	2	30	.10	.17	5	32	.22	35	.04	4	1.00	.01	.04	2	1
9283A1	1	5	6	44	.1	24	4	82	1.75	4	5	ND	3	9	1	2	2	28	.15	.20	4	37	.24	51	.04	4	1.35	.01	.05	2	1
9284A1	1	9	4	36	.2	26	4	86	1.63	3	5	ND	2	7	1	2	2	27	.12	.07	5	32	.29	25	.05	4	.83	.01	.04	2	1
9285A1	1	7	10	63	.1	31	6	158	2.07	2	5	ND	4	9	1	2	2	32	.13	.10	7	50	.36	41	.05	3	1.23	.01	.04	2	1
STD C/FA-AU	20	59	40	123	6.8	64	25	1064	3.94	42	20	7	34	50	15	15	19	57	.44	.13	38	57	.88	184	.07	39	1.72	.06	.12	13	54

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
9286A1	2	25	10	92	.2	158	17	353	4.16	6	5	ND	3	20	1	2	2	48	.27	.16	8	125	.82	64	.08	15	1.56	.02	.06	2	1
9287A1	1	20	7	78	.1	63	10	150	2.85	2	5	ND	3	9	1	2	2	44	.12	.14	7	61	.49	62	.07	36	1.86	.01	.06	2	1
9288A1	1	9	4	51	.2	33	5	110	1.77	2	5	ND	2	9	1	2	2	27	.12	.09	7	41	.32	51	.05	34	1.04	.01	.03	2	1
9289A1	1	10	7	110	.2	53	12	1571	2.42	3	5	ND	2	13	1	2	2	30	.21	.11	7	62	.43	97	.05	29	1.22	.01	.06	2	1
9290A1	1	8	9	84	.1	87	13	647	2.67	2	5	ND	2	9	1	2	2	28	.13	.07	9	89	.59	74	.05	26	.96	.02	.04	2	1
9291A1	2	11	9	94	.1	101	18	1558	3.12	3	5	ND	2	9	1	3	2	33	.15	.08	7	93	.68	81	.07	16	1.00	.02	.06	2	3
9292A1	1	4	8	63	.2	18	5	185	1.28	2	5	ND	3	9	1	2	2	22	.13	.03	9	32	.29	62	.05	24	.71	.01	.06	2	1
9293A1	1	10	10	59	.2	23	4	362	1.50	2	5	ND	2	10	1	2	2	23	.18	.06	6	42	.26	61	.04	4	.90	.01	.05	2	1
9294A1	2	21	19	152	.1	22	6	280	3.54	2	5	ND	4	12	1	2	2	43	.15	.47	11	38	.42	115	.04	22	3.19	.01	.11	2	1
9295A1	1	15	10	125	.1	51	8	472	3.10	2	5	ND	2	10	1	2	2	36	.15	.26	9	49	.56	105	.06	26	2.21	.01	.08	2	1
9296A1	1	46	9	86	.1	15	3	109	2.62	2	5	ND	3	14	1	2	2	44	.22	.20	10	31	.35	100	.04	27	1.95	.01	.08	2	1
9297A1	1	4	3	26	.1	13	4	92	1.47	3	5	ND	2	8	1	2	2	25	.16	.06	8	25	.28	33	.06	15	.77	.01	.04	2	1
9298A1	1	19	3	34	.2	17	4	128	1.39	2	5	ND	5	7	1	2	2	23	.16	.10	9	19	.24	36	.05	36	.71	.01	.04	2	3
9299A1	1	54	5	77	.1	41	7	175	2.36	2	5	ND	3	9	1	2	2	33	.19	.19	10	35	.54	74	.07	37	1.65	.01	.05	2	1
9300A1	1	37	9	116	.1	23	9	605	2.21	2	5	ND	2	7	1	2	2	34	.10	.10	8	34	.36	71	.04	14	1.40	.01	.04	2	8
9301A1	1	11	7	56	.2	17	5	398	1.59	3	5	ND	2	6	1	2	2	26	.10	.06	6	37	.35	39	.05	25	.83	.01	.04	2	1
9302A1	1	8	10	72	.1	13	5	356	1.49	2	5	ND	2	7	1	2	2	29	.09	.05	9	26	.31	45	.03	5	.85	.01	.04	2	18
9303A1	1	2	4	28	.2	9	2	67	.86	2	5	ND	3	6	1	2	2	18	.09	.01	9	23	.16	16	.04	6	.38	.01	.03	2	1
9304A1	1	9	3	47	.1	15	3	329	1.24	2	6	ND	3	7	1	2	2	21	.13	.07	6	19	.22	22	.05	4	.62	.01	.04	2	1
9305A1	1	8	5	77	.1	18	5	222	1.96	2	5	ND	4	10	1	2	2	35	.17	.11	11	29	.29	59	.05	6	1.12	.01	.04	2	40
9306A1	1	8	6	72	.1	23	6	269	1.70	3	5	ND	2	7	1	2	2	28	.11	.11	7	33	.30	49	.04	16	1.00	.01	.04	2	1
9307A1	1	3	5	42	.3	11	3	542	1.03	2	5	ND	2	5	1	2	2	16	.07	.08	5	17	.16	55	.03	22	.71	.01	.05	2	1
9308A1	1	5	5	22	.1	9	3	94	.65	2	5	ND	2	6	1	2	2	12	.08	.01	7	12	.18	25	.04	2	.58	.01	.03	2	1
9309A1	1	14	5	53	.1	15	5	167	1.11	2	5	ND	2	8	1	2	2	21	.10	.02	10	23	.33	47	.05	4	1.07	.01	.03	2	1
9310A1	1	52	11	184	.1	19	9	1409	2.70	2	5	ND	2	9	1	2	2	43	.12	.16	13	33	.36	138	.03	30	1.88	.01	.06	2	1
9311A1	1	52	9	79	.1	27	5	155	2.40	4	5	ND	3	6	1	2	2	39	.07	.20	10	36	.37	58	.04	7	2.29	.01	.03	2	37
9312A1	1	10	5	34	.1	21	5	113	1.46	3	5	ND	3	7	1	2	2	22	.09	.09	8	27	.25	44	.04	5	.96	.01	.03	2	1
9313A1	1	10	5	136	.1	35	9	207	1.78	2	5	ND	2	8	1	2	2	25	.14	.07	9	41	.40	65	.06	15	1.04	.01	.06	2	1
9314A1	1	4	5	35	.1	14	4	637	1.04	2	5	ND	2	12	1	2	2	19	.20	.02	9	29	.24	66	.04	5	.48	.01	.05	2	1
9315A1	1	22	8	77	.1	44	8	198	2.97	3	5	ND	4	10	1	3	2	46	.17	.17	11	49	.60	54	.08	10	1.45	.01	.09	2	1
9316A1	1	11	4	93	.3	24	6	132	2.20	2	5	ND	5	8	1	2	2	38	.13	.09	11	38	.36	54	.06	7	1.04	.01	.06	2	1
9317A1	1	14	6	42	.1	31	7	137	1.74	2	5	ND	2	8	1	2	2	26	.15	.09	8	29	.36	45	.05	7	1.13	.01	.05	2	1
9318A1	1	5	5	27	.1	17	4	108	.95	2	5	ND	4	7	1	2	2	15	.14	.03	8	17	.28	35	.05	32	.70	.01	.03	2	1
9319A1	1	16	4	66	.1	42	9	307	1.89	2	5	ND	2	11	1	2	2	29	.21	.03	10	37	.56	56	.07	8	1.17	.01	.04	2	1
9320A1	1	12	1	19	.1	24	4	83	1.39	2	5	ND	2	10	1	2	2	22	.18	.02	6	26	.33	46	.05	48	.77	.01	.04	2	1
9321A1	1	6	1	6	.1	7	1	29	.46	3	5	ND	2	7	1	2	2	10	.15	.01	6	14	.09	16	.03	2	.37	.01	.02	2	1
9322A1	1	3	4	11	.1	8	2	37	.70	3	5	ND	3	4	1	2	2	14	.06	.01	5	15	.12	20	.04	23	.40	.01	.02	2	1
STD C/FA-AU	19	59	38	126	6.9	66	25	1078	3.94	40	19	7	35	49	16	15	21	59	.44	.14	38	58	.88	184	.07	41	1.72	.06	.12	12	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
9323A1	1	5	6	20	.1	18	4	90	1.99	2	5	ND	4	9	1	2	2	41	.18	.04	10	39	.26	27	.07	9	.73	.01	.03	2	1
9324A1	1	3	5	18	.1	11	3	72	1.80	2	5	ND	3	8	1	2	2	40	.13	.02	7	36	.21	16	.07	6	.56	.01	.03	2	1
9325A1	1	7	7	31	.1	22	5	92	2.30	2	5	ND	4	8	1	2	2	43	.13	.06	11	47	.25	39	.06	9	.97	.01	.04	2	32
9326A1	1	9	4	37	.1	21	6	100	1.88	2	5	ND	5	9	1	2	2	30	.15	.03	10	38	.32	55	.07	7	1.28	.01	.04	2	2
9327A1	1	6	4	29	.2	12	3	84	.92	2	5	ND	3	9	1	2	2	19	.12	.01	8	17	.24	33	.06	4	.64	.01	.03	2	5
9328A1	1	85	9	41	.1	39	7	130	2.35	5	5	ND	5	7	1	2	2	35	.16	.10	11	38	.48	27	.07	9	2.41	.01	.04	2	3
9329A1	1	38	18	103	.2	15	4	181	3.24	4	5	ND	3	9	1	2	2	50	.11	.29	13	29	.34	71	.04	10	2.54	.01	.07	2	26
9330A1	1	9	8	50	.1	20	5	107	2.01	3	5	ND	3	7	1	2	2	32	.10	.12	10	29	.27	65	.06	7	1.53	.01	.04	2	1
9331A1	1	3	2	20	.1	8	2	56	1.02	2	7	ND	3	6	1	3	2	20	.09	.02	7	20	.16	14	.05	5	.55	.01	.03	2	1
9332A1	1	52	4	47	.1	48	10	152	2.59	5	5	ND	4	10	1	2	2	39	.16	.06	10	41	.52	77	.09	8	1.92	.01	.05	2	1
9333A1	1	13	6	71	.1	24	6	134	2.40	4	5	ND	3	11	1	2	2	39	.14	.11	10	37	.39	59	.07	8	1.70	.01	.06	2	1
9334A1	1	9	8	94	.1	19	5	175	2.68	5	5	ND	5	15	1	5	2	44	.21	.24	11	33	.47	59	.11	9	1.81	.01	.07	2	1
9335A1	1	21	4	73	.2	41	7	107	1.93	4	5	ND	5	9	1	3	2	30	.15	.13	9	41	.34	34	.06	8	1.30	.01	.04	2	7
9336A1	1	8	5	87	.1	17	4	234	1.47	6	5	ND	2	10	1	2	2	23	.14	.17	7	29	.26	93	.04	6	1.04	.01	.04	2	1
9337A1	1	14	5	58	.1	22	5	312	1.50	5	5	ND	3	9	1	3	2	23	.16	.09	7	30	.32	57	.05	5	.88	.01	.04	2	1
9338A1	1	17	7	151	.2	38	9	183	2.89	5	5	ND	7	12	1	2	2	49	.19	.21	10	50	.44	109	.06	9	1.57	.01	.06	2	1
STD C/FA-AU	19	58	42	126	6.8	65	25	1069	3.94	42	21	7	36	49	16	14	21	58	.44	.14	37	54	.88	180	.07	42	1.72	.06	.12	12	54

Ministry of Natural Resources
Ontario

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

RP

#142-8.6

W f c 01142

Mini

52F05SE0068 2.8122 ROWAN LAKE

900

Type of Survey(s)
Geological & geochemical evaluation survey | Rowan Lake - M2580

Claim Holder(s)
Mr. B.Youngman - Newfields Minerals Inc.

Prospector's Licence No.

Address
c/o 410 -325 Howe Street - Vancouver B.C. V6C 1Z7

Survey Company
Norontex Exploration Ltd

Date of Survey (from & to) — Day | Mo. | Yr. | Day | Mo. | Yr.
06 07 '84 Febr. '85

Total Miles of line cut
8.14

Name and Address of Author (of Geo-Technical report)
R.R.#1, box 7 site 11, 3 Bedworth Rd Dryden - Ont. P8N 2Y4

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)		
For each additional survey using the same grid: Enter 20 days (for each)		
Mandays		
Complete reverse side and enter total(s) here		
	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
(*) Askuk's claims only	Geological	23.3
	Geochemical	17.5

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
JUL 2 1985
MINING LANDS

KENORA MINING DIV.
RECEIVED
JUN 28 1985
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

KENORA MINING DIV.
RECEIVED
JUL 2 1985
PM 7 8 9 10 11 12 1 2 3 4 5 6

Mining Claims Traversed (List in numerical sequence) **

Mining Claim Prefix	Number	Expend. Days Cr.
	717947	12.5
	717948	12.5
	717949	12.5
	717950	12.5
	717951	12.5
	717952	12.5
	717953	12.5
	717954	12.5
	717955	12.5
	745174	12.5
	745175	12.5
	745176	12.5
	745177	12.5
	745178	12.5
	745179	12.5
*	745180	
*	745181	
	745182	12.5
	745183	12.5
	745184	12.5
	745185	12.5
	745186	12.5
	745187	12.5
	745188	12.5

Mining Claim Prefix	Number	Expend. Days Cr.
K	745189	12.5
	745190	12.5
	745191	12.5
*	745192	
*	745193	
	745194	12.5
	745195	12.5
	745196	12.5
	745197	12.5
	745198	12.5
	745199	12.5
	745200	12.5
	745201	12.5
	745202	12.5
	745203	12.5
	745204	12.5
	745205	12.5
	745206	12.5
	794715	13.8
	794716	12.5
*	794717	
*	794718	
	794719	12.5

717947

Total number of mining claims covered by this report of work: 76

Expenditures (excludes power stripping)

Type of Work Performed
Qualifying report $3141.85

Performed on Claim(s)
Geochem assaying $4565.75

as per work reported on 31-85
(for distribution purposes)

Calculation of Expenditure Days Credits

Total Expenditures: $7707.60 ÷ 15 = Total Days Credits: 513.8

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

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
245	July 2/85	
	Date Approved as Recorded	Branch Director
	See reversed statement	

Date	Recorded Holder or Agent (Signature)
June 27 '85	

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
J.Langelaar, Norontex Exploration Ltd
as above

Date Certified	Certified By (Signature)
June 27, '85	

1362 (81/9)

Ministry of Natural Resources
Ontario

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

#31-85

W85 0131

Mining Act

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

Type of Survey(s)
Geological / geochemical evaulation survey

Township or Area
Rowan Lake - M2580

Claim Holder(s)
Mr. B.Youngman - Newfields Minerals Inc.

Prospector's Licence No.
A 46270

Address
C/O 410 - 325 Howe Street, Vancouver B.C. V6C 1Z7

Survey Company
Norontex Exploration Ltd.

Date of Survey (from & to)
06 07 84 February/85

Total Miles of line Cut
n.a.

Name and Address of Author (of Geo Technical report)
R.R.#1, box 7, site 11, 3 Bedworth Road -Dryden - Ont. P8N 2Y4

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	
	- Magnetometer	
For each additional survey using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

KENORA MINING DIV. FEB 12 1985 AM PM 7 8 9 10 11 12 1 2 3 4 5 6

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

AS PER EXPENDITURE CREDITS!

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed
Linecutting:controlelines; rock &

Performed on Claim(s)
& soil geochem, geology and sampling -evaluation report

Calculation of Expenditure Days Credits

Total Expenditures: $ 18,192.02 ÷ 15 = Total Days Credits: 1212.8

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

Date: Febr. 11, 1985

Recorded Holder or Agent (Signature): J. Bangelaar

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K	717947	25.8
	717948	"
	717949	"
	717950	"
	717951	"
	717952	"
	717953	"
	717954	"
	717955	"
	745174	"
	745175	"
	745176	"
	745177	"
	745178	"
	745179	"
*	745180	"
*	745181	"
	745182	"
	745183	"
	745184	"
	745185	"
	745186	"
	745187	"
	745188	"

Prefix	Number	Expend. Days Cr.
K	745189	25.8
	745190	"
	745191	"
*	745192	"
*	745193	"
	745194	"
	745195	"
	745196	"
	745197	"
	745198	"
	745199	"
	745200	"
	745201	"
	745202	"
	745203	"
	745204	"
	745205	"
	745206	"
	794715	"
	794716	"
	794717	"
*	794718	"
*	794719	"

Total number of mining claims covered by this report of work: 47

717947

For Office Use Only

Total Days Cr. Recorded: 1212.6

Date Recorded: Feb-12/85

Mining Recorder: M E Lemay acting

Date Approved as Recorded

Branch Director: Gerald Stokes

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
J. Bangelaar, P.Eng, Norontex Exploration Ltd
3 Bedworth Rd, box 7, site 11 Dryden

Date Certified: Febr. 11, 1985

Certified by (Signature): J. Bangelaar

1362 (81/9)

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey: Geol. evaluation plus recon plus report and map preparat.

Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
20	X 7 =	140	+		=	140	+	6	=	23.3

Type of Survey: Geochem survey + report preparation

Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
13	X 7 =	91	+	14	=	105	+	6	=	17.5

Type of Survey:

Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X 7 =		+		=		+		=	

Type of Survey:

Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X 7 =		+		=		+		=	

Ministry of Natural Resources
Ontario

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

FWM 8122 2.8122 2.11851

#31-85

Mining Act

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

Type of Survey(s)
Geological / geochemical evaulation survey

Township or Area
Rowan Lake - M2580

Claim Holder(s)
Mr. B.Youngman - Newfields Minerals Inc.

Prospector's Licence No.
A 46270

Address
C/O 410 - 325 Howe Street, Vancouver B.C. V6C 1Z7

Survey Company
Norontex Exploration Ltd.

Date of Survey (from & to)
06 07 84 February/85

Total Miles of Line Cut
n.a.

Name and Address of Author (of Geo Technical report)
R.R.#1, box 7, site 11, 3 Bedworth Road -Dryden - Ont. P8N 2Y4

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	Geological	
	Geochemical	

KENORA MINING DIV. FEB 12 1985 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Main Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

AS PER EXPENDITURE CREDITS!

RECEIVED FEB 25 1985 MINING LANDS SECTION

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed
Linecutting:controlelines; rock &

Performed on Claim(s)
& soil geochem, geology and sampling -evaluation report

Calculation of Expenditure Days Credits

Total Expenditures			=	Total Days Credits
$ 18,192.02	÷	15	=	1212.8

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

Date: Febr. 11, 1985

Recorded Holder or Agent (Signature): J. Langelaar

Mining Claims Traversed (List in numerical sequence) **

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	717947	25.8	K	745189	25.8
	717948	"		745190	"
	717949	"		745191	"
	717950	"	*	745192	"
	717951	"	*	745193	"
	717952	"		745194	"
	717953	"		745195	"
	717954	"		745196	"
	717955	"		745197	"
	745174	"		745198	"
	745175	"		745199	"
	745176	"		745200	"
	745177	"		745201	"
	745178	"		745202	"
	745179	"		745203	"
*	745180	"		745204	"
*	745181	"		745205	"
	745182	"		745206	"
	745183	"		794715	"
	745184	"		794716	"
	745185	"		794717	"
	745186	"	*	794718	"
	745187	"	*	794719	"
→	745188	"			

Total number of mining claims covered by this report of work: 47

717947

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
1212.6	Feb 12/85	M E Lemay/acting
	Date Approved as Recorded	Branch Director
	See reverse for Extension	

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
J. Langelaar, P.Eng, Norontex Exploration Ltd
3 Bedworth Rd, box 7, site 11 Dryden

Date Certified: Febr. 11, 1985

Certified by (Signature): J. Langelaar

1362 (81/9)

Ministry of Northern Development and Mines
Ontario

Assessment Work Breakdown

1. Type of Survey: Geological Mapping

2. Township or Area: Rowan Lake G-2639

3. Numbers of Mining Claims Traversed by Survey: K-745180, K-745181, K-745192, K-745193, K-794-717, K-794-718

4. Number of Miles of Line Cut _____ Flown _____

*5. Number of Stations Established _____

*6. Make and type of Instrument Used _____

*7. Scale Constant or Sensitivity _____

*8. Frequency Used and Power Output _____

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 20 (10)

Total 8 hour Line-Cutting Days _____

Calculation

$$\underset{\text{Technical}}{\frac{20(10)}{}} \times 7 = \frac{140\,(70)}{} + \underset{\text{Line-cutting}}{\frac{-}{}} = \frac{140(70)}{} \div \underset{\text{Number of claims}}{\frac{6}{}} = \underset{\text{Assessment credits per claim}}{\frac{23.3(11.7)}{}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims ☐ Check
If otherwise, please explain The dates listed represent total time completing preliminary geological evaluation of property. The times shown in brackets represent the time spent on the above-listed 6 claims.

Dated: March 18, 1988 Signed: [signature]

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

2.8122

Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

April 12, 1988

Your File: 142-85
Our File: 2.8122

Mining Recorder
Ministry of Northern Development and Mines
P.O. Box 5200
808 Robertson Street
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Notice of Intent dated March 28, 1988
Geological and Geochemical Survey
submitted on Mining Claims K 745180 et al
in the Area of Rowan Lake

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

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

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines and Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

DK:pl
Enclosure: Technical Assessment Work Credits

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

Resident Geologist
Kenora, Ontario

Mr. B. Youngman
c/o Suite 410
325 Howe Street
Vancouver, B.C.
V6C 1Z7

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File: 2.8122

Date: March 28, 1988

Mining Recorder's Report of Work No.: 142-85

Recorded Holder: Mr. B. Youngman

~~Township or~~ Area: Rowan Lake

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 745180-81 745192-93 794718
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical 17.5 days	
Man days [X] Airborne [ ]	
Special provision [ ] Ground [X]	
[ ] Credits have been reduced because of partial coverage of claims.	
[ ] Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

[X] not sufficiently covered by the survey [ ] insufficient technical data filed

K-794717

- Assessment credits under Section 77(19) approved on August 2, 1985.

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

Ontario

Ministry of Northern Development and Mines

Technical Assessment Work Credits

File: 2.8122

Date: March 28, 1988

Mining Recorder's Report of Work No.: 142-85

Recorded Holder: B. Youngman

~~Xxxxxxx~~ Area: Rowan Lake

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	K-745180-81
Magnetometer _____ days	745192-93
Radiometric _____ days	794717-18
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 11.7 days	
Geochemical _____ days	
Man days [X] Airborne [ ]	
Special provision [ ] Ground [X]	
[ ] Credits have been reduced because of partial coverage of claims.	
[ ] Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

[ ] not sufficiently covered by the survey [ ] insufficient technical data filed

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

828 (85/12)

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey	Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
		X 7 =		+		=		+		=	
Type of Survey	Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
		X 7 =		+		=		+		=	
Type of Survey	Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
		X 7 =		+		=		+		=	
Type of Survey	Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
		X 7 =		+		=		+		=	

GEOLOGICAL & GEOCHEMICAL (soil) EVALUATION PROGRAM.

(Maps & reports to follow) BREAK-DOWN EXPENDITURES:

A. As per enclosed expense account	$3035.00
B. As per enclosed invoice	$5070.85
C. As per invoice	$3141.85

Bills/invoices to follow:

1. geochem analyses	$1791.72
2. geochem analyses	$3002.60
3. Youngman -3 days	$ 900.00
4. drafting estimated	$ 750.00
5. report finalizing	$ 500.00
	$6944.32

TOTAL: $18,192.02

Credits of 1212.8 days to be spread evenly over 47 claims, i.e. 25.8 days per claim.

PROVINCE OF MANITOBA
J. LANGELAAR
REGISTERED ENGINEER

Feb 4, 1985.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.8122

Date 1985 07 15

Mining Recorder's Report of Work No. 31-85, ~~142-85~~

AMENDED

Recorded Holder: B. YOUNGMAN - NEWFIELDS MINERALS INC

Township or Area: ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days ☐ Airborne ☐ Special provision ☐ Ground ☐ ☐ Credits have been reduced because of partial coverage of claims. ☐ Credits have been reduced because of corrections to work dates and figures of applicant.	$7707.60 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS: K 717948-49-51-52-53-54 745178-79-80-81-86-87-88 745191-92-94-95-97 745715 514 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT RSO 1980.

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

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

GEOLOGY & GEOCHEMISTRY WORK DOES NOT QUALIFY FOR CREDIT UNDER SECTION 77(19).

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

828 (83/6)

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		+		=	

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		+		=	

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		+		=	

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		+		=	

GEOLOGICAL & GEOCHEMICAL (soil) EVALUATION PROGRAM.

(Maps & reports to follow) <u>BREAK-DOWN EXPENDITURES:</u>

A. As per enclosed expense account $3035.00

B. As per enclosed invoice $5070.85

C. As per inoice $3141.85

Bills/invoices to follow:

1. geochem analyses $1791.72
2. geochem analyses $3002.60
3. Youngman -3 days $ 900.00
4. drafting estimated $ 750.00
5. report finalizing $ 500.00

$6944.32

TOTAL: $18,192.02

Credits of1212.8 days to be spread evenly over 47 claims, i.e. 25.8 days per claim.

PROVINCE OF MANITOBA
J. LANGELAAR
REGISTERED ENGINEER

Feb 1, 1985.

Ministry of Natural Resources
Ontario

Order of the Minister

Room 6643, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3
416/965-4888

The Mining Act

In the matter of mining claims:

K 717947 to 55 inclusive
745174 to 206 inclusive
794715 to 19 inclusive

in the Area of Rowan Lake

On consideration of an application from the recorded holder, Mr. B. Youngman
under Section 77 Subsection 22 of The Mining Act, I hereby order that the time for filing reports and plans in support of
Expenditure assessment work recorded on February 12, 1985
be extended until and including April 30, 1985.

→ May 15 ½ 1985

MARCH 26/85
Date

Signature of Director, Land Management Branch

Copies:

cc: Mr. B. Youngman
Newfields Minerals Inc
c/o 410 - 325 Howe Street
Vancouver, B.C.
V6C 1Z7

cc: Mr. J. Langelaar
Norontex Exploration Ltd
3 Bedworth Road
R.R.#1, Site 11, Box 7
Dryden, Ontario
P8N 2Y4

AR

cc: Mining Recorder
Kenora, Ontario

Ministry of Natural Resources
Ontario

Order of the Minister

Room 6450, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3
416/965-1380

The Mining Act

In the matter of mining claims:

K 717947 to 55 inclusive
745174 to 206 inclusive
794715 to 19 inclusive

In the Area of Rowan Lake.

On consideration of an application from the recorded holder, Mr. B. Youngman
under Section 77 Subsection 22 of The Mining Act, I hereby order that the time for filing reports and plans in support of Expenditure assessment work recorded on February 12, 19 85
be extended until and including May 15, 19 85.

1985.04.22
Date

Signature of Director, Land Management Branch

Copies:

Mr. B. Youngman
Newfield Minerals Inc
c/o 410 - 325 Howe Street
Vancouver, B.C.
V6C 1Z7

cc: Mr. J. Langelaar
Norontex Exploration Ltd
3 Bedworth Road
R.R.#1, Site 11, Box 7
Dryden, Ontario
P8N 2Y4

cc: Mining Recorder

Type of Survey	Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
		X 7 =		+		=		+		=	

Type of Survey	Technical Days		Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
		X 7 =		+		=		+		=	

GEOLOGICAL & GEOCHEMICAL (soil) EVALUATION PROGRAM.

(Maps & reports to follow) BREAK-DOWN EXPENDITURES:

A. As per enclosed expense account	$3035.00
B. As per enclosed invoice	$5070.85
C. As per invoice	$3141.85

Bills/invoices to follow:

1. geochem analyses	$1791.72	
2. geochem analyses	$3002.60	
3. Youngman -3 days	$ 900.00	
4. drafting estimated	$ 750.00	
5. report finalizing	$ 500.00	
		$6944.32

TOTAL: $18,192.02

Credits of 1212.8 days to be spread evenly over 47 claims, i.e. 25.8 days per claim.

PROVINCE OF MANITOBA
J. LANGELAAR
REGISTERED ENGINEER

Feb 1, 1985.

Ministry of Natural Resources
Ontario

Order of the Minister

Room 6643, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3
416/965-4888

The Mining Act

In the matter of mining claims:

K 717947 to 55 inclusive
745174 to 206 inclusive
794715 to 19 inclusive

in the Area of Rowan Lake

On consideration of an application from the recorded holder, Mr. B. Youngman under Section 77 Subsection 22 of The Mining Act, I hereby order that the time for filing reports and plans in support of Expenditure assessment work recorded on February 12, 1985 be extended until and including April 30, 1985.

MARCH 26/85
Date

Signature of Director, Land Management Branch

Copies:

cc: Mr. B. Youngman
Newfields Minerals Inc
c/o 410 - 325 Howe Street
Vancouver, B.C.
V6C 1Z7

cc: Mr. J. Langelaar
Norontex Exploration Ltd
3 Bedworth Road
R.R.#1, Site 11, Box 7
Dryden, Ontario
P8N 2Y4

AB

cc: Mining Recorder
Kenora, Ontario

Ministry of Natural Resources
Ontario

Order of the Minister

The Mining Act

Room 6450, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3
416/965-1380

In the matter of mining claims:

K 717947 to 55 inclusive
745174 to 206 inclusive
794715 to 19 inclusive

In the Area of Rowan Lake.

On consideration of an application from the recorded holder, Mr. B. Youngman
under Section 77 Subsection 22 of The Mining Act, I hereby order that the time for filing reports and plans in support of Expenditure assessment work recorded on February 12, 19 85
be extended until and including May 15, 19 85.

1985.04.22
Date

Signature of Director, Land Management Branch

Copies:

Mr. B. Youngman
Newfield Minerals Inc
c/o 410 - 325 Howe Street
Vancouver, B.C.
V6C 1Z7

cc: Mr. J. Langelaar
Norontex Exploration Ltd
3 Bedworth Road
R.R.#1, Site 11, Box 7
Dryden, Ontario
P8N 2Y4

cc: Mining Recorder
Kenora, Ontario
File: 31-85

1333 (82/1)

file

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey: Geochemical

Township or Area: Rowan Lake (M2580)

Claim holder(s): Kengate Resources Ltd.
Interstrat Resources, Newfields Minerals

Author of Report: R. van Enk

Address: Dryden, Ontario

Covering Dates of Survey: Nov. 5 to 9, 1984.
(linecutting to office)

Total Miles of Line cut: 5.4 miles

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	—Electromagnetic	
	—Magnetometer	
	—Radiometric	
ENTER 20 days for each additional survey using same grid.	—Other	
	Geological	
	Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer ____ Electromagnetic ____ Radiometric ____
(enter days per claim)

DATE: May 7/85 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys _____

Checked by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

OFFICE USE ONLY

MINING CLAIMS TRAVERSED List numerically	
745180	
(prefix) 745181	(number)
745182	
745191	
745192	
745193	
794718	
794719	
TOTAL CLAIMS 8	

If more than 20 claims, attach list

Mining Lands Section

File No 2.8122

Control Sheet

TYPE OF SURVEY

____ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

✓ EXPENDITURE

MINING LANDS COMMENTS:

Make copy of map & send to Rec. God..

L.D.

Lgd

S. Hurst

Signature of Assessor

Date

1985 08 02

Your File: 31-85, 142-85
Our File: 2.8122

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Notice of Intent dated July 15, 1985
Data for Assaying on Mining Claims
K 717948, et al, in the Rowan Lake
Area

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

R. Pichette:mc

cc: Mr. B. Youngman
Newfields Minerals Inc.
c/o Suite 410
315 Howe Street
Vancouver, B.C.
V6C 1Z7

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

cc: J. Langelaar, P. Eng.,
Norontex Exploration Ltd
3 Bedworth Road
Box 7
Site 11
Dryden, Ontario
P8N 2Y4

cc: Resident Geologist
Kenora, Ontario

Encl.

March 11, 1988 File: 2.8122

REGISTERED

Mr. Bruce Youngman
808 - 750 West Pender Street
Vancouver, B.C.
V6C 2T8

Dear Sirs:

RE: Geological and Geochemical Survey submitted on
Mining Claims K 745180 et al
in the Area of Rowan Lake

Enclosed is a copy of our letter dated February 10, 1988, requesting additional information for the above-mentioned survey.

Unless you can provide the required data by March 21, 1988, we will have no other alternative but to instruct the Mining Recorder to cancel the work credits recorded on July 2, 1985.

For further information, please contact (Mrs.) Susan Hurst at (416) 965-4888.

Yours

Re. assignment of credits only (Langelaar - Pickette telephone conversation)

see 31-85 (attached)

W.R. (
Mining
Mines

Whitne
Queen'
Toronto
M7A 1W3

SH:pl
Enclosu

cc: Mining Recorder
Kenora, Ontario
#142-85

Mr. J. Langelaar
R.R. #1
Box 7, Site 11
3 Bedworth Road
Dryden, Ontario
P8N 2Y4

February 10, 1988 File: 2.8122

Mr. Bruce Youngman
808 - 750 West Pender Street
Vancouver, B.C.
V6C 2T8

Dear Sir:

Re: Geological and Geochemical Survey on Mining Claims
K-745180-81, K-745192-93 and K794717-18
in the Area of Rowan Lake

Enclosed is a mandays breakdown form and the Sample Location Map for the Geological Survey. In order for us to assess this submission, please provide the following:

1. Show the geological information on the plan. For areas of no outcrop, please indicate the nature of the overburden.

2. Complete the mandays breakdown form for the six claims covered by the geological survey.

Should you require further information, please contact Dennis Kinvig at (416) 965-4888.

Yours sincerely,

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

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

DK:pl
Enclosure

cc: Mining Recorder
Kenora, Ontario
#142-85

February 28, 1985 File: 2.7834

Mr. B. Youngman
Newfields Minerals Inc
c/o 410 - 325 Howe Street
Vancouver, B.C.
V6C 1Z7

Dear Sir:

RE: Assessment work wubmitted on Mining Claims
K 717947, et.aal., in the Rowan Lake Area

This will acknowledge receipt of your cost summary in support of report of work #31-85 recorded on February 12, 1985 with the Mining recorder in Kenora, Ontario.

However, this information is of little use without appropriate reports and maps which were not supplied. In addition, such types of work as rock and soil geochemistry and geology are not acceptable under Section 77(19), the expenditure section and credits will not be allowed unless the work is properly allocated in the appropriate section of the Mining Act R.S.O. 1980.

The only costs applicable under Subsection 77(19), as far as I can tell from your information, is the analytical costs. However, in order to receive credit for these costs, the following will be necessary:

1) location plan, showing sample locations, sample number or actual geochemical results. The scale of this plan must be between 1:1200 and 1:6000.

2) cancelled cheques and receipts verifying your expenditure for the geochemical analysis. Invoices are not sufficient to verify proof of payment.

A new report of work will have to be filed with the Mining Recorder in Kenora for the geochemical and the geological survey. Credits are granted on the basis of time spent performing the surveys and time spent preparing reports and maps. The rate for each type of survey is seven days credit for each eight hours of work.

..2

The alternate method is to file the work under Special Provision credits for performance and coverage. I have enclosed the booklet titled "Requirements for Submitting Geophysical, Geological and Geochemical Survey reports". Please refer to the section that delineates the requirements for Special Provisions.

In addition, this booklet outlines the basic information required for the reports and plans of geotechnical work.

This letter is merely a warning that the work submitted to date is not acceptable in its present format. However, the Mining Act allows 60 days for the submission of work from the date that the work was recorded. Therefore, I can only assume that the information is forthcoming and will be received by this office by April 15, 1985.

For clarification of the above, please contact Mr. Ray Pichette at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

R. Pichette:mc

cc: J. Langelar
Norontex Exploration Ltd

cc: Mining Recorder
Kenora, Ontario
File:#31-85

Encl.

Ministry of
Natural
Resources

Ontario

on hold K

~~June 19/85~~

1985 06 04

Your File: 31-85
Our File: 2.8122

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

FJ S. Hurst:mc

Encls.

cc: Mr. B. Youngman
Newfields Minerals Inc
c/o Suite 410
315 Howe Street
Vancouver, B.C.
V6C 1Z7

cc: J. Langelaar, P.Eng.,
Norontex Exploration Ltd
3 Bedworth Road
Box 7
Site 11
845 Dryden, Ontario P8N 2Y4

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

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 06 04

2.8122/31-85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 07 15

2.8122/31-85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

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Ministry of
Natural
Resources

Ontario

July 30/85

1985 07 15

Your File: 31-85
Our File: 2.8122

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

R. Pichette:mc

Encls.

cc: Mr. B. Youngman
Newfields Minerals Inc
c/o Suite 410
315 Howe Street
Vancouver, B.C.
V6C 1Z7

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

cc: J. Langelaar, P.Eng.,
Norontex Exploration Ltd
3 Bedworth Road
Box 7
Site 11
Dryden, Ontario
P8N 2Y4

Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

February 16, 1988

MEMORANDUM TO: Mr. Scott Rivett
Mining Recorder, Kenora

FROM: W.R. Cowan, Manager
Mining Lands Section
Mines & Minerals Division

RE: Reinstatement of Credits Removed from
Claim Record Sheets

Geological and Geochemical Credits as recorded on July 2, 1985 on mining claims K 745180-81, K 745192-93 and K 794717-18 (Report of Work #142-85) have not yet been approved nor deleted. Please reinstate these credits on the respective record sheets. An approval will be forthcoming shortly.

W.R. Cowan

WRC:DK:p

2.8122

KENGATE RESOURCES LTD.

808 1205 - 750 W. PENDER ST., VANCOUVER, B.C. V6C 2T8 (604) 681-3568

March 21, 1988

RECEIVED
MAR 23 1988
MINING LANDS SECTION

Mr. Dennis Kinvig
Mining Lands Section
Mines and Minerals Division
Whitney Block, Room 6610
Queens Park
Toronto, Ontario
M7A 1W3

Dear Sir:

Re: Geological Survey
Rowan Lakes Area
File: 2.8122
Claim Nos. K745180-1, K745192-3, K794717-8

Please find enclosed requested information concerning the above-referenced geological survey.

The geological survey was of a preliminary, reconnaissance nature over the entire property. However, a significant proportion of this survey was completed on the above six claims. To assist in a proper breakdown of assessment credits, I have separated the time spent on these specific claims, as opposed to time spent on the entire property.

Should any questions arise, please feel free to contact me.

Yours sincerely,

KENGATE RESOURCES LTD.

BRUCE A. YOUNGMAN
Consulting Geologist
BAY/bp
encl.

norontex exploration ltd.

#31-85

HAND DELIVERED MAY 13,1985

Mr. M.Hall, Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Kenora - Ontario.

RECEIVED
MAY 16 1985
MINING LANDS SECTION

KENORA
MINING DIV.
RECEIVED
MAY 15 1985
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

May 11,1985

Dear Sir,

Please find enclosed three (3) sets of reports covering evaluation work performed by Kengate Resources, Newfields Min., Interstrat Resources and Norontex Exploration on behalf of the three aforementioned companies on the Rowan Lake claimgroup as indicated on the "Report of Work" forms.
Back-up with invoices and receipts is submitted in triplicate.

Initially Mr. B.Youngman was granted a time extension for the submission of work until April 30th,1985 which - after discussions with Mr. Pichette in Toronto - was further extended until May 15th,1985 (see enclosures.)

Please note that all programs have been grouped under the "Expenditure day credit", simply because the surveys (geological and geochemical) should be viewed as evaluation surveys, which have been accepted under the special provisions in the Act when Norontex evaluated several occurrences in the Savant Lake area, N.W.Ontario.

Trusting that this will meet with your approval, I remain,

Sincerely yours,
NORONTEX EXPLORATION LTD.

J.Langelaar

cc: Mr. B.Youngman
Newfields Minerals Inc.
410 -325 Howe Street
Vancouver, B.C.
V6C 1Z7

exploration and mining services
j. langelaar, r. van enk
3 bedworth rd., r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4
phone (807) 937-5085 or (807) 937-6871

2.7834

norontex exploration ltd.

RECEIVED
Land Management Branch
MAR - 8 1985
M. E. YUNDT
W. R. GOOD
M. J. HOGAN
W. P. BROOK

Mr. R.Pichette
Land Management Branch
Whitney Block, Room 664
Queen's Park
Toronto - Ontario
M7A 1W3

Grant of Bonus
Due April 20

RE: File 2-7834; Asses[illegible] Claims
K717947 et al. in

RECEIVED
MAR 0 8 1985
MINING LANDS SECTION

Dear Sir,

I apologize for the confussion I have created by submitting the incorrect form i.e. report of work, dated Febr.11,1985

The preliminary filing of work was merely to alert the various departments that work had been performed on the above claims sothat they would not be deleted from the claimmaps; furthermore that we required the 60 days to comply with the requirements of the Act.

The type of work conducted on the claims consists of 2 separate surveys: a geological reconnaissance on no grid whatsoever during the summer of 1984, followed by a geochemical survey conducted in the fall on a "mini-grid" which was tied in to several controle-lines cut prior to this survey. We consider these two surveys an orientation cum evaluation survey which will enable us to zero-in on targets which will be defined in the various programs still to be conducted this year.

The reports together with the pertinent copies of cheques and receipts will be forwarded to you before April 15th,1985.

Sincerely yours,

cc. B.Youngman.

exploration and mining services
j. langelaar, r. van enk
3 bedworth rd, r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4
phone (807) 937-5085 or (807) 937-6871

norontex exploration ltd.

Mr. R.J.Pichette
Land Management Branch
Whitney Block, Room 6643
Queen's Park
Toronto - Ontario
M7A 1W3

Dryden, June 26,1985

RE: FILE N° 2.8122

Dear Ray,

Further to our telephone conversations of June 24th and this morning, I enclose as requested a copy of our invoice -signed "received" - for the qualifying report for a total of $3141.85.

Thus $7707.60 ($3141.85 +$4565.75) would qualify for credit under section 77 (19).

Geology and geochemistry will be filed according to the working days-man days.

OK! accept

Sincerely yours,

NORONTEX EXPLORATION LTD.

Joop Langelaar

exploration and mining services
j. langelaar, r. van enk

3 bedworth rd, r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4
phone (807) 937-5085 or (807) 937-6871

orontex exploration ltd.

To; Newfields Minerals Inc
Kengate Resources Ltd
Interstrat Resources Inc.

c/o 410-325 Howe Street
Vancouver, B.C. V6C 1Z7

I N V O I C E

RE: Staking 5 claims Rowan Lake area and Rowan Lake qualifying report.

Cost related to staking:

5 claims @ $130.00 per claim, including recording	$650.00
Additional help	$ 50.00
Flying cost	$450.00
1) subtotal	$1150.00

Cost related to report writing:

9½ days @ $300.00 per day	$2850.00
Misc. expenses as copying, typing service etc.	$ 291.85
2) subtotal	$3141.85

Grand total (1 and 2) $4291.85

Received:

Province of Manitoba J. Langelaar Registered Engineer

Dryden, July 6,1984
J. Langelaar

Received

exploration and mining services
j. langelaar, r. van enk

3 bedworth rd, r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4
phone (807) 937-5085 or (807) 937-6871

norontex exploration ltd.

3 bedworth rd, r.r. 1 site 11 box 7,
dryden, on[illegible]N 2Y4

DRYDEN
27 VII 1985 22
ON

CANADA

MR. R.J.PICHETTE

LAND MANAGEMENT BRANCH Room 6643

WHITNEY BLOCK - QUEEN'S PARK

TORONTO - Ontario
M7A 1W3

NEWFIELDS MINERALS INC.
410 - 325 HOWE ST., VANCOUVER, B.C. V6C 1Z7 (604) 683-4518

February 05, 1985.

Mr. J. Langelaar
Norontex Exploration Ltd.
3 Bedworth Road
R. R. 1, Site 11, Box 7
Dryden, Ontario
P8N 2Y4

Dear Joop;

I have compiled a summary of Rowan Lake project expenditures for your creative interpretation. Copies of relevant invoices are enclosed.

Expenditures to Date:

1) Norontex qualifying report (July 06, 1984)....	$ 3141.85	✓
2) Youngman et al. field expenses		
- Prospecting and Geochem Program (Sep.20-25)		
- See attached expense account record	2952.53	✓ modified, some info to follow.
3) Norontex field and report expenses		
- Soil Sampling and Linecutting Program (Nov/84)	5520.86	✓
4) Geochemical Analyses (Youngman - 125 samples-Nov.02)	1791.72	To follows
5) Geochemical Analyses (Norontex - 238 samples-Dec.03)	3002.60	To follows.
6) Youngman - Salary for Sept. field program and other project administration (Dec.18/84)	1350.00	To follows.

Projected Expenditures:

1) Drafting - geochemical results (both programs)	$ 750.00	- To follows
2) Summary geochemical/geological report - Compilation of 2 Field programs	500.00	- To follows.
Grand Total	$19,009.56	

The 5 claims recorded in Rein's name (see attached) are currently being transfered to my name. Should you have any unallocated credits after protecting the initial 42 claim block (Anniversary Date: Feb. 17/85), then these credits might be applied to the other 5 claims (Anniversary Date: June 26/85).

Good luck and thanks again for your assistance.

Sincerely yours,

Bruce A. Youngman

BY/gd

EXPENSE ACCOUNT RECORD

(A.)

Bruce Youngman - Cameron Lake Joint Venture
NAME (print)

September 19 84
MONTH

DATE	DETAILS OF EXPENSE PLACE & PURPOSE	CODE	TRANSPORTATION Mileage @	TRANSPORTATION Train, Plane, Fare, Taxi, etc	MEALS B	MEALS L	MEALS D	HOTEL	OTHER EXPENSES	TOTAL
Sept 19	Dryden, Ont. - Gas			35 00						35 00
19	- Ice								6 40	6 40
19	- Groceries								292 40	292 40
19	Kenora, Ont. - Motel							35 70		35 70
	- Dinner						10 54			10 54
20	- Breakfast				3 05					3 05
25	Rowan Lake Lodge-Accommodation							246 75		
	(Sept 20-24),boat,motor&gas			168 00						414 75
25	Sioux Narrows, Ont. - Lunch					19 00				19 00
	- Gas			33 00						33 00
25	Wages - R. Knappett								600 00	600 00
	- Prospecting Sept 20-25									
	- (6 days x $100.00/day)									
25	Wages - H. Eric Ewen								600 00	600 00
	TOTAL EXPENSES			236 00	3 05	19 00	10 54	282 45	1,498 80	2,049 84

COMMENTS NORONTEX RE ASSESSMENT CREDITS:

** APPLICABLE:

Gas outboard motor	$35.00
Wages Knappett	$600.00
Wages Ewen	$600.00
Fieldsupervision Youngman	
6 days @ $300.00 p.d	$1800.00
TOTAL:	$3035.00

Oct. 31, 1984
DATE PREPARED

APPROVED

EMPLOYEE'S SIGNATURE

MONTHLY BALANCE

Balance beginning of month	
Transportation paid by Co.	
Cash Advanced	
Amount expended as above	
Balance end of month — Due to Co.; Due from Co.	2,049 84

EXPENSE ACCOUNT RECORD

Bruce Youngman
NAME (print)

Rowan Lake - Cameron Lake Joint Venture

Sept. cont'd
MONTH

19 84

DATE	DETAILS OF EXPENSE PLACE & PURPOSE	CODE	TRANSPORTATION Mileage @	TRANSPORTATION Train, Plane, Fare, Taxi, etc	MEALS B	MEALS L	MEALS D	HOTEL	OTHER EXPENSES	TOTAL
	- prospecting Sept 20-25									
	(6 days x $100/day)									
Sept 25	Nestor Falls, Ont. - float plane			270 00						270 00
	(4 minimum beaver trips)									
25	Kenora, Ont. - Dinner						15 30			15 30
28	Busfare - Bruce Youngman			21 95						21 95
	- Dryden, Ont. to Winnipeg, Man.									
28	Kenora, Ont. - Lunch					4 44				4 44
28	Airfare - Bruce Youngman									
	- Winnipeg, Man. to									
	Vancouver, B.C.			264 60						264 60
28	Winnipeg, Man. - Taxi			9 00						9 00
29	Vancouver, B.C. - Taxi			10 00						10 00
	TOTAL EXPENSES			575 00		4 44	15 30			595 29

COMMENTS RE ASSESSMENT CREDITS BY Norontex.

** applicable

NONE ON THIS PAGE.

MONTHLY BALANCE

Balance beginning of month	
Transportation paid by Co.	
Cash Advanced	
Amount expended as above	
Balance end of month — Due to Co.; Due from Co.	595 29

APPROVED

Oct. 31, 1984
DATE PREPARED

EMPLOYEE'S SIGNATURE

EXPENSE ACCOUNT RECORD

Bruce Youngman - Cameron Lake Joint Venture
NAME (print)

October 19 84
MONTH

DATE	DETAILS OF EXPENSE PLACE & PURPOSE	CODE	TRANSPORTATION Mileage @		Train, Plane, Fare, Taxi, etc		MEALS B		L		D		HOTEL		OTHER EXPENSES		TOTAL	
Oct 4/84	Busfare - Eric Ewen				21	95											21	95
	- Dryden to Winnipeg																	
	Airfare - Eric Ewen				275	40											275	40
	- Winnipeg to Vancouver																	
	Vancouver, B. C. - Taxi				10	05											10	05
	TOTAL EXPENSES				307	40											307	40

COMMENTS NORONTEX RE ASSESSMENT CREDITS:

** applicable

NONE ON THIS PAGE

MONTHLY BALANCE

Balance beginning of month		
Transportation paid by Co.		
Cash Advanced		
Amount expended as above	307	40
Balance end of month — Due to Co.; Due from Co.	307	40

TOTAL 3 PAGES : $2952.53

APPROVED

Oct. 31, 1984
DATE PREPARED

EMPLOYEE'S SIGNATURE

THE TRADING POST
SIOUX NARROWS, ONTARIO

Date Sept 25 1984

M

SOLD BY	C.O.D.	CHARGE	ON ACC'T.	ACC'T. FWD.
1				
2				
3 Regular Gas			33 00	
4				
5				
6 655 L				
7				
8				
9				
10				
11				
12				
13				
14				
15				

02

REDIFORM - 56521E

Back-up for

"A"

Sept 25/84

Received from Bruce Youngman
The Sum of $600.00 for
Prospecting Services from
Sept 20/84 to Sept 25/84

Rodney Knepper

Received from Bruce Youngman
The Sum of $600.00 for
Prospecting Services from
Sept 20/84 to Sept. 25/84

BRUCE A. YOUNGMAN
Consulting Geologist
410 - 325 Howe Street
Vancouver, B.C.
V6C 1Z7

Phone: 683 - 4518

INVOICE:

Kengate Resources Ltd.

RE: Rowan-Cameron Lakes
Joint Venture

1 Day	- Preparation of Phase I field program, in consultation with J. Langelaar, P. Eng.
6 Days	- Phase I field work: September 20 - 25
2 Days	- Organization of further Phase I field work - Project administration: - Application for O.M.E.P. grant - Organization of project expenditures - Assistance in preparation of base maps

9 Days	@ $300.00 per day	$ 2,700.00
	Expenses (see attached)	352.53
	Total owing	$ 3,052.53

18th December, 1984.

PAID IN FULL

B.

norontex exploration ltd.

Amount to assessment work
$5520.86 - $450 = $5070.85

NEWFIELDS MINERALS LTD.
Attention: Mr. B.Youngman, geologist
Suite 410 - 325 Howe Street
Vancouver - B.C.
V6C 1Z7

Kergate
Re: Rowan-Cameron Lake Joint Venture

INVOICE

RE: ROWAN LAKE SOIL SAMPLING PROGRAM - November 1984

283 soilsamples @ $6.75 per sample	$1910.25
Linecutting 5.41 linemiles @ $400 per linemile	$2164.00
Norontex charges linecutting @ 5%	$ 108.20
(Linecutter support - radio -campequipm. etc.)	
Grid establishment soilsampling 2.73 miles @ $150 per linemile	$ 409.50
Aircraft charter	$ 450.00
Map and report preparation 1½ day @ $300 per day	$ 450.00
Telephone	$ 28.91
	$5520.86
ADVANCE	$4000.00
AMOUNT STILL OUTSTANDING:	$1520.86

PAID
Date 07-12-84
Chq. 329
L. Kergate

Dryden, December 4,1984
R.Van Enk.

exploration and mining services
j. langelaar, r. van enk
3 bedworth rd, r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4
phone (807) 937-5085 or (807) 937-6871

INVOICE

RR 2 SITE 1C COMP. NO. 37,
KENORA, ONTARIO.
P9N - 3W8
NOVEMBER 6, 1984.

IN ACCOUNT WITH:

NORONTEX EXPLORATION LIMITED
3 BEDWORTH ROAD
RR 1 SITE 11,
P.O. BOX 7,
DRYDEN, ONTARIO.
P8N - 2Y4

TO:

The cutting of 5.41 miles of baseline
at $400.00 per mile. $ 2,164.00

TOTAL AMMOUNT OWING..... $ 2,164.00

This is my account.

Steve Fitchett

S.D.F. EXPLORATION SERVICES

STEWART LAKE AIRWAYS LIMITED
P. O. BOX 127
VERMILION BAY, ONT. P0V 2V0

DATE Nov. 14 19 84

Norontex Expl. Ltd.
R.R.#1 - Site 11 - Box 7 - Dryden, Ont.

DATE	DETAILS	DEBIT	CREDIT	BALANCE
Nov/84	5 Trips - 185			
	@ $90 ea.	$450.00	→	$450.00
	re Rowan Lake			

REDIFORM 8M101

NORONTEX EXPLORATION LTD.
R.R. 1 BOX 7 SITE 11
DRYDEN, ONT. P8N 2Y4

0452

Nov. 7 19 84

PAY TO THE ORDER OF A.D.F. Exploration Services c/a Mr. S. Titchett

SUM OF only eleven hundred and sixty four 00/100 DOLLARS $ 1164.00

FOR Raw. Lake Line Cutting

CANADIAN IMPERIAL BANK OF COMMERCE
DRYDEN, ONT. 165/530/1152

NORONTEX EXPLORATION LTD.

Per : [signature]

⑆0 209 7⑈0 10⑆ 70⑈000 14⑈

NORONTEX EXPLORATION LTD.
R.R. 1 BOX 7 SITE 11
DRYDEN, ONT. P8N 2Y4

0453

Nov. 20th 19 84

PAY TO THE ORDER OF A.D.F. Exploration Services C/o Mr. S. Titchett

SUM OF only one thousand 00/100 DOLLARS $ 1000.-

FOR 165/530/1152

CANADIAN IMPERIAL BANK OF COMMERCE
DRYDEN, ONT.

NORONTEX EXPLORATION LTD.

Per : [signature]

⑆0 209 7⑈0 10⑆ 70⑈000 14⑈

norontex exploration ltd.

(C.)

To; Newfields Minerals Inc
Kengate Resources Ltd
Interstrat Resources Inc.

c/o 410-325 Howe Street
Vancouver, B.C. V6C 1Z7

PAID
Date Sept 18/84
Chk. # *

Newfields Ch.#195 1445.62
Interstrat #067 1445.61
Kengate #273 1445.62

I N V O I C E

RE: Staking 5 claims Rowan Lake area and Rowan Lake qualifying report

Cost related to staking:

5 claims @ $130.00 per claim, including recording	$650.00
Additional help	$ 50.00
Flying cost	$450.00
For assessm. purposes - not applic. 1) subtotal	$1150.00 *

Cost related to report writing:

9½ days @ $300.00 per day	$2850.00
Misc. expenses as copying, typing service etc.	$ 291.85
2) subtotal	$3141.85

Grand total (1 and 2) $4291.85

Dryden, July 6,1984
J. Langelaar

exploration and mining services
j. langelaar, r. van ank
3 bedworth rd, r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4
phone (807) 937-5085 or (807) 937-6871

APPLY FOR ASSESSMENT PURPOSES: $3141.85

BACK-UP FOR

"B"

norontex exploration ltd.

NEWFIELDS MINERALS LTD.
Attention: Mr. B.Youngman, geologist
Suite 410 - 325 Howe Street
Vancouver - B.C.
V6C 1Z7

Kengate
Re: Rowan-Cameron
Lake Joint
Venture

I N V O I C E

RE: ROWAN LAKE SOIL SAMPLING PROGRAM - November 1984

283 soilsamples @ $6.75 per sample	$1910.25
Linecutting 5.41 linemiles @ $400 per linemile	$2164.00
Norontex charges linecutting @ 5% (Linecutter support - radio -campequipm. etc.)	$ 108.20
Grid establishment soilsampling 2.73 miles @ $150 per linemile	$ 409.50
Aircraft charter	$ 450.00
Map and report preparation 1½ day @ $300 per day	$ 450.00
Telephone	$ 28.91
	$5520.86
ADVANCE	$4000.00
AMOUNT STILL OUTSTANDING:	$1520.86

PAID
Date 07-12-84
Chq 329
J. Kengate

Dryden, December 4,1984
R.Van Enk.

exploration and mining services
j. langelaar, r. van enk
3 bedworth rd, r.r. 1 site 11 box 7, dryden, ont. P8N 2Y4
phone (807) 937-5085 or (807) 937-6871

KENGATE RESOURCES LTD.
325 HOWE STREET, SUITE NO. 410 PHONE 683-4518
VANCOUVER, B.C. V6C 1Z7

312

13th November 19 84.

PAY TO THE ORDER OF - J. LANGELAAR - $ 4,000.00

FOUR THOUSAND . . . . . 00/100 DOLLARS

RE: Advance - Rowan Lake Field Program.

KENGATE RESOURCES LTD.

PER

Bank of Montreal
FIRST BANK TOWER, 595 BURRARD ST.
VANCOUVER, B.C. V7X 1L7

⑈00040⑈00⑆ 114 2⑈849⑈ ⑈0000400000⑈

To deposit only to Koronite

70-00014

CONDITIONS

1. Che
2. Whe
3. Che
4. Inte
5. On
6. The

02057-010 BRYDEN, ONT. 29 NOV 84 CANADIAN IMPERIAL BANK OF COMMERCE

NO 84 20 BANK OF MONTREAL VANCOUVER REGIONAL DATA CENTRE 07888-001

NO '84 19 BANK OF MONTREAL WINNIPEG REGIONAL DATA CENTRE 06007-001

KENGATE RESOURCES LTD.
325 HOWE STREET, SUITE NO. 410 PHONE 683-4518
VANCOUVER, B.C. V6C 1Z7

329

December 07 19 84

TO THE ER OF Norontex Exploration Limited ---------- $ 1520.86

e Thousand Five Hundred Twenty ---------- 86/100 DOLLARS

Rowan Lake Soil Sampling Program-Nov/84

KENGATE RESOURCES LTD.

PER

k of Montreal
T BANK TOWER, 595 BURRARD ST.
COUVER, B.C. V7X 1L7

⑈00040⑈00 1⑆ 114 2⑈84 9⑈ ⑈0000152086⑈

For deposit only to
Norontex

70-00014 2582

DE '84 21 G.I.B.C. STA CENTRE WINNIPEG MANITOBA

DE '84 27 BANK OF MONTREAL REGIONAL DATA CENTRE DEC 31 '84

D. Outstanding Cheques

No. or Date	Amount

1. Mark off the paid cheques against the records in your cheque book.
2. List in Section D (at right) any cheques shown in your cheque book that have not been paid by us (including

NORONTEX EXPLORATION LTD.
R.R. 1 BOX 7 SITE 11
DRYDEN, ONT. P8N 2Y4

0452

Nov. 7 1984

PAY TO THE ORDER OF S.D.F. Exploration Services c/a Mr. S. Fitchett

only eleven hundred and sixty four 00/100 DOLLARS $ 1164.00

SUM OF

FOR Rem. Lake Line Cutting

CANADIAN IMPERIAL BANK OF COMMERCE
DRYDEN, ONT. 165/530/1152

NORONTEX EXPLORATION LTD.

Per :

⑆0 209 7⑈0 10⑆ 70⑈000 14⑈

NORONTEX EXPLORATION LTD.
R.R. 1 BOX 7 SITE 11
DRYDEN, ONT. P8N 2Y4

0453

Nov. 20th 1984

PAY TO THE ORDER OF S.D.F. Exploration Services C/o Mr. S. Fitchett

only one thousand ~~~~~ 00/100 DOLLARS $ 1000.-

SUM OF

FOR 165/530/1152

CANADIAN IMPERIAL BANK OF COMMERCE
DRYDEN, ONT.

NORONTEX EXPLORATION LTD.

Per :

⑆0 209 7⑈0 10⑆ 70⑈000 14⑈

ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158 852 East Hastings St., Vancouver, B.C. V6A 1R6 File: 84-2843

Date: OCT 5 1984

KENGATE Resources Ltd.
~~NEW FIELD MINERALS~~
410 - 325 HOWE ST
VANCOUVER B.C.
V6C 1Z7

TERMS:
NET TWO WEEKS
2% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AM
125	ICP ANALYSIS @	6.00	75
125	GEOCHEM AU BY FA + AA @	5.50	68
72	SOIL SAMPLE PREPARATION @	.60	4
53	ROCK SAMPLE PREPARATION @	2.75	14
			1626.45
			165.27
	TOTAL		1791.72

NORDAIR LTD # 333-20105466

Have Stephan Sign

PAID
Date 02/11/85
Chk.# 309.

PLEASE APPROVE

Per DC

PLEASE PAY LAST AMOUNT

$1626.45

KENGATE RESOURCES LTD.
325 HOWE STREET, SUITE NO. 410 PHONE 683-4518
VANCOUVER, B.C. V6C 1Z7

309

November 02 19 84

PAY TO THE ORDER OF Acme Analytical Laboratories Ltd. $ 1791.72

One Thousand Seven Hundred Ninety-One ---------- 72/100 DOLLARS

RE: ICP Analysis, Soil & Rock Prep

KENGATE RESOURCES LTD.

PER

Bank of Montreal
FIRST BANK TOWER, 595 BURRARD ST.
VANCOUVER, B.C. V7X 1L7

⑈00040⑈001⑆ 114 2⑈849⑈ ⑆000017917 2⑈

TO THE CREDIT OF
Acme Analytical Laboratories Ltd.

FOR DEPOSIT ONLY 84 05 ON

ROYAL BANK
BRITISH COLUMBIA PC

05930-003
THE ROYAL BANK OF CANADA
COMMUNITY BRANCH
VANCOUVER, B.C.
05930-003

NO PA 06

CENTRAL
REGIONAL
CENTRE

Cheque account reconciled

ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158 852 East Hastings St., Vancouver, B.C. V6A 1R6

File: 84-3353

Date: NOV 22 1984

Re: Cameron Lk Prospect mgt.

(Kengate Resources Inc. (Industrial)
~~NEWFIELDS MINERALS~~)
410 - 325 HOWE ST
VANCOUVER B.C.
ATTN MR. BRUCE YOUNGMAN

TERMS:
NET TWO WEEKS
2% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

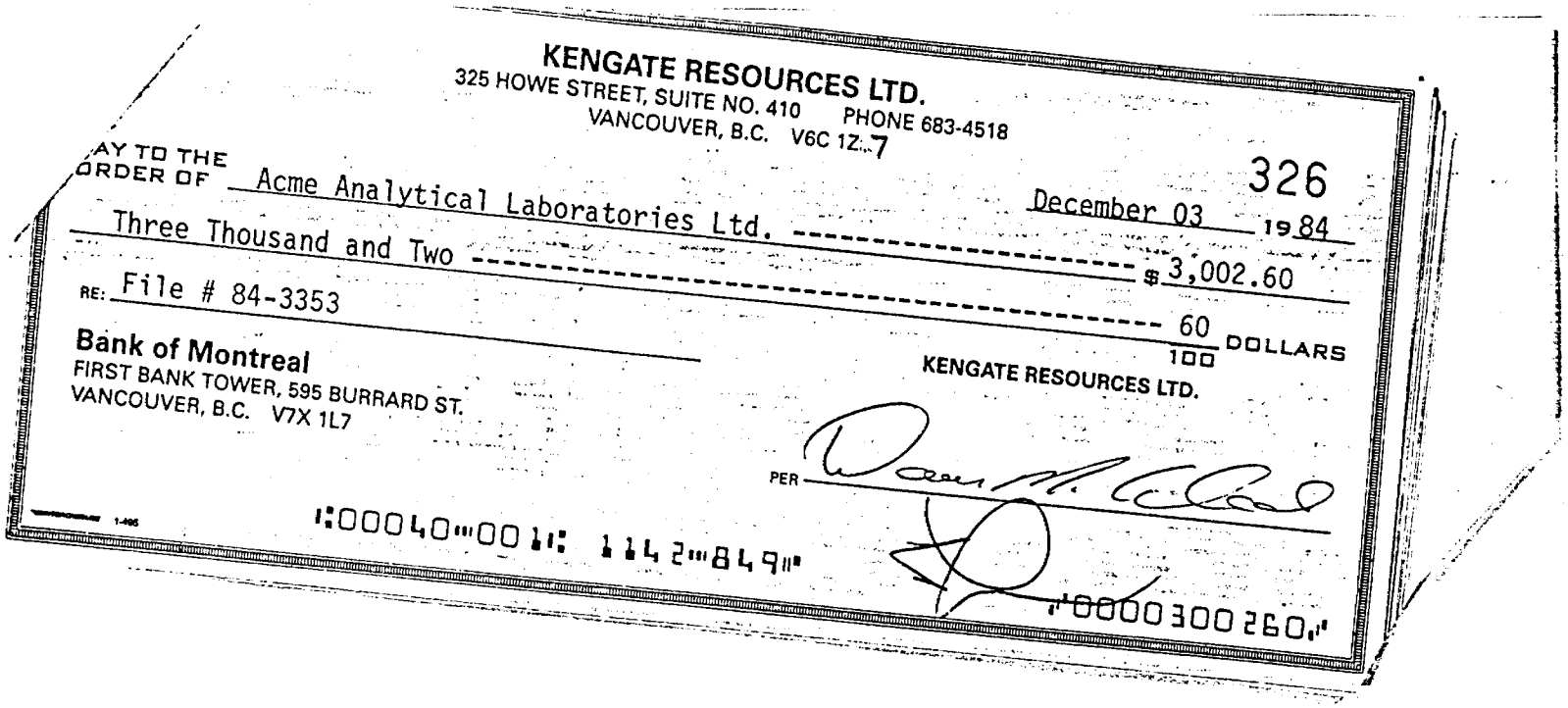
NUMBER	ASSAY	PRICE	AMOUNT
238	ICP ANALYSIS @	6.00	1428.00
238	GEOCHEM AU BY FA + AA @	5.50	1309.00
238	SOIL SAMPLE PREPARATION @	.60	142.80
238	TRANSFER SAMPLE TO ENVELOPE @	.25	59.50
			2939.30
	GREYHOUND LINES # 308199194		31.65
	GREYHOUND LINES # 308199265		31.65
	TOTAL		3002.60

RECEIVED
NOV 26 1984

PLEASE APPROVE
Per W.C.

PAID
Date 03-12-84
Chk.# 326

PLEASE PAY LAST AMOUNT



KENGATE RESOURCES LTD.
325 HOWE STREET, SUITE NO. 410 PHONE 683-4518
VANCOUVER, B.C. V6C 1Z7

PAY TO THE ORDER OF Acme Analytical Laboratories Ltd. 326

December 03 19 84

Three Thousand and Two ---------- $ 3,002.60

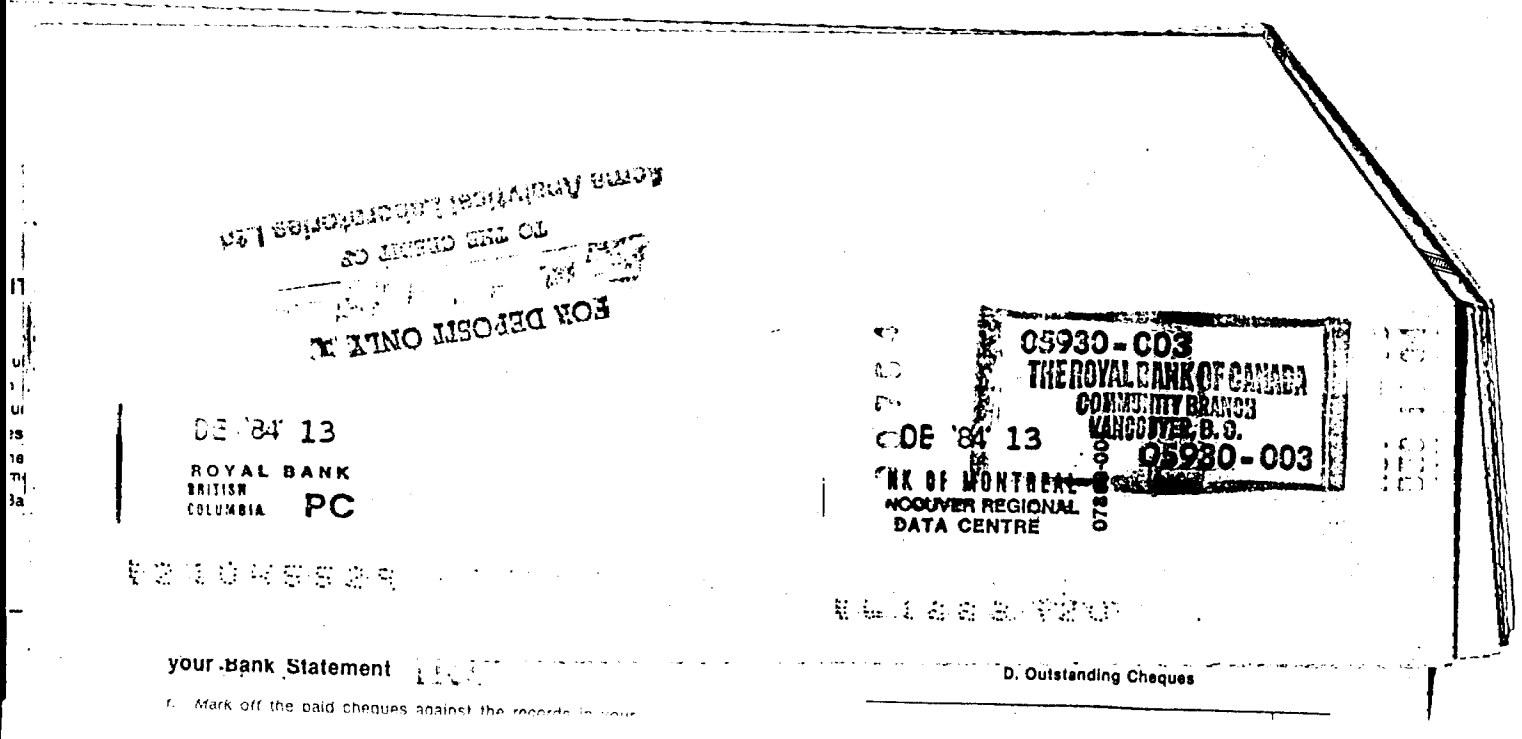
RE: File # 84-3353 60/100 DOLLARS

Bank of Montreal
FIRST BANK TOWER, 595 BURRARD ST.
VANCOUVER, B.C. V7X 1L7

KENGATE RESOURCES LTD.

PER

⑈00040⑈001⑆ 114 2⑈849⑈ ⑆0000300260⑈



FOR DEPOSIT ONLY TO THE CREDIT OF

05930-003
THE ROYAL BANK OF CANADA
COMMUNITY BRANCH
VANCOUVER, B.C.
05930-003

DE 84 13
ROYAL BANK
BRITISH COLUMBIA PC

DE 84 13
BANK OF MONTREAL
VANCOUVER REGIONAL
DATA CENTRE

your Bank Statement

D. Outstanding Cheques

r. Mark off the paid cheques against the records in your

BRUCE A. YOUNGMAN
Consulting Geologist
410 - 325 Howe Street
Vancouver, B.C.
V6C 1Z7

Phone: 683 - 4518

INVOICE:

Kengate Resources Ltd.

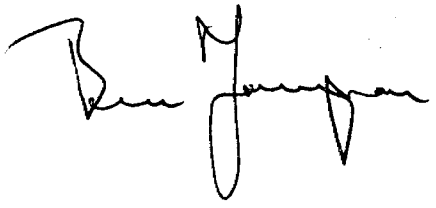
RE: Rowan-Cameron Lakes
Joint Venture

1 Day	- Preparation of Phase I field program, in consultation with J. Langelaar, P. Eng.
6 Days	- Phase I field work: September 20 - 25

2 Days	- Organization of further Phase I field work
	- Project administration:
	  - Application for O.M.E.P. grant
	  - Organization of project expenditures
	- Assistance in preparation of base maps

9 Days	@ $300.00 per day	$ 2,700.00
	Expenses (see attached)	352.53
	Total owing	$ 3,052.53

18th December, 1984.



INVOICE NO.
84132
NO. DE FACTURE.

H.W.R.
MINERAL graphics ltd.

1024 - 470 GRANVILLE ST., VANCOUVER B.C.
V6C 1G5

TELEPHONE (604) 681-0516

DATE: December 1, 1984

KENGATE RESOURCES
~~NEWFIELD EXPLORATIONS LTD.~~

RE. ROWAN-CAMPION
LAKE JOINT VENTURE

ACCT. NO.

DATE	PARTICULARS / DÉTAILS	AMOUNT MONTANT
Nov. 15/84	Re: Drafting Services Rendered	
	Vancal Printing #25058	$55.79
	Add: Handling charge 10%	5.58
	***** NOTE: PROMPT PAYMENT *****	
	PAID Date 07-12-84 Chk.# 328	
	TOTAL	$61.37

PLEASE RETURN INVOICE COPY WITH REMITTANCE.
S.V.P. RETOURNEZ LA COPIE DE FACTURE AVEC VOTRE PAIEMENT.

THANK YOU

KENGATE RESOURCES LTD.
325 HOWE STREET, SUITE NO. 410   PHONE 683-4518
VANCOUVER, B.C. V6C 1Z7

328

December 07 19 84

PAY TO THE ORDER OF R. W. R. Mineral Graphics Ltd. ------------------------ $ 61.37

Sixty-One -- 37/100 DOLLARS

RE: Invoice # 84132

KENGATE RESOURCES LTD.

Bank of Montreal
FIRST BANK TOWER, 595 BURRARD ST.
VANCOUVER, B.C. V7X 1L7

PER [signature]

⑆00040⑈001⑆ 1142⑈849⑈   ⑈0000006137⑈

27
DEC 1 9 1984
Bank of Montreal
07730-001

DE '84' 19
BANK OF MONTREAL
VANCOUVER REGIONAL
DATA CENTRE
07850-001

044-076
Deposit Only 7637
RWR Mineral Graphics Ltd
BANK OF MONTREAL
VANCOUVER REG
016
07660-001
DEC 19 84

D. Outstanding Cheques

H. Eric Ewen
3239 Ganymede Dr.
Burnaby BC. V5J 1A5

OUR NUMBER	36652
DATE	Feb. 14. 85
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F. O. B.	

SOLD TO ~~New Fields~~ KENGATE
RE: Rowan-Cameron J.V.

SHIPPED TO

ADDRESS VIA

INVOICE

Reproductions of Mylars B/W/LN Prints. by KDM Holdings for - Rowan Lake Prop.	119	00
Drafting @ 100 per/day		
5 days.	500	00
TOTAL	$ 619.	00

Date 06-03-85
Chk. 366

D32

KENGATE RESOURCES LTD.
325 HOWE STREET, SUITE NO. 410 PHONE 683-4518
VANCOUVER, B.C. V6C 1Z7

366

March 06 19 85

PAY TO THE ORDER OF H. Eric Ewen $ 619.00

Six Hundred Nineteen 00/100 DOLLARS

RE: Invoice # 36652 - Engineering

KENGATE RESOURCES LTD.

PER

Bank of Montreal
FIRST BANK TOWER, 595 BURRARD ST.
VANCOUVER, B.C. V7X 1L7

⑈00040⑈00 1⑈ 1142⑈849⑈ ⑈000006 1900⑈

b. Outstanding Cheques

MR '85 12

ROYAL BANK
BRITISH COLUMBIA PC

DATA CENTRE

THE ROYAL BANK OF CANADA
NOTICE PAID & LOR SIGNED
VANCOUVER B.C.
MR 12 '85
01205-003

H. ERIC EWEN.
239 SAYMORE DR.
BURNABY B.C.
V3J 1A5

OUR NUMBER	36656
DATE	MAY 6 85
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F. O. B.	

SOLD TO KENGATE RESOURCES.

SHIPPED TO

ADDRESS VIA

INVOICE

	Black line prints.				
	KWH Holdings Ltd.			98	97
	Cocor Xerox.				
	Superior Repro.			22	60
	Drafting. 3 days.				
	@ 100 per day.			300	00
			TOTAL	421	57

1032

Paid in

D. Goine

K.D.H. HOLDINGS LTD.

ROOM 31 - 448 SEYMOUR STREET
VANCOUVER, B.C. V6B 3H3

SOLD TO: DUMLOP EXPLORATION

SHIPPED TO: SAME

DATE	YOUR ORDER NO.	OUR ORDER NO.	SALESMAN
6.5.85	RUMGATE		
FED. LIC. NO.	**PROV. LIC. NO.**	**SHIPPED VIA**	**TERMS**
			30 DAYS NET

NO. ORIG.	NO. PRINTS	DESCRIPTION			PRICE		PER	AMOUNT	
			SIZE	SQ. FT.					
3	10	BLACKLINE	7/15	370	-	25		92	50
		SEPIA							
		MYLAR							
				SUB TOTAL					
				7% PROV. TAX				6	47
							TOTAL ▶	98.	97

360-5

INVOICE

Paid Chq. #

PACKING SLIP

REPRODUCTION INVOICE

TELEPHONES:
REPRODUCTION 683-2181
ACCOUNTING 683-2181

REPRODUCTION OFFICES
- [ ] 1112 W. [redacted]DER ST., VANCOUVER, B.C.
- [x] LOWER [redacted]L, BENTALL III, VANCOUVER, B.C.
- [ ] 1818 CORNWALL ST., VANCOUVER, B.C.
- [ ] 225 W. 1st ST., NORTH VANCOUVER, B.C.

superior repro

RECEIVED BY	TIME RECEIVED	PROMISED	REQUESTED	DUE DATE	DELIVER	WILL CALL	WAIT	WAIT DEL.	CUSTOMER P.O. NO.	REQ/JOB NO.

DATE 2/4/81 (DAY / MO. / YR.)

R 57087

S	PICKED UP BY	S/C	SHIPPING INSTRUCTION
S	DEL. BY	S/C	( ) MAIL ( ) BUS ( ) AIR MAIL ( ) COLLECT ( ) AIR EXPRESS ( ) PREPAID

ORDERED BY _____

PRINTS TO:

ORIGINALS TO:

SEQ	DEPT.	DUE DATE	IN	OUT	RUN	TRIM	Q.C.
	WHITE PRINT						
	1860 2080						
	Film						
	XEROX IBM						
	SUB CONT.						

No. Of Orig.	No. Prints of Each	DESCRIPTION				TOTAL SQ. FT.	UNIT PRICE	AMOUNT	CODE
		WHITE PRINT	BLUE BLACK BROWN	FRAME	PREFOLD				
		WHITE PRINT	CARD	PLAIN PLASTIC	32 LB 56 LB				
		SEPIA	STD. ERASABLE	REV. FACE UP					
		MYLAR	002 003 0015	WHITELAR SEPIA BLACK	REV. FACE UP				
		1860 2080	BOND	VELLUM					
		SPLICE							
		XEROX IBM	8½x11 8½x14	BOND TRANS.	REDUCED SAME SIZE				
12	1	Color Xy				12	16		
		PROJ. PAPER	KODA BRO KP5	K1594 PHOTO VEL					
		CONTACT PAPER	KC5	CONT-Trans	PROJ. THIN STD.				
		FILM NEG	TONE COPYLINE CRONAR	ACU-NEG HI-SPEED DUP.	COMM. CRONA-PAQUE				
		AUTO POSITIVE	PAPER FILM	REV. FACE UP	MACHINE FRAME				
		FILM POS. CONTACT PROJ.	FACE UP REV.	Cronaflex Copyline Cronar Clear	REPRO NEG.				
		WASH OFF FILM	AUTO POS	CONTACT	PROJECT				

CANCELLED

CASH

SPECIAL INSTRUCTIONS

( ) COLLATE ( ) CERLOX ( ) TRIM ( ) BIND

( ) FOLD ( ) STAPLE ( ) PUNCH HOLES

☐ READ ATTACHED ☐ REDUCE TO ☐ ENLARGE TO ☐ SAME SIZE

S.T.P.					SCREEN-NEGATIVE	PAN. NEGATIVE		
No. Of Orig.	No. Prints of Each	LINE	HALF TONE	SIZE	SIZE	SIZE		
SUB CONTRACT								

QUOTED BY	QUOTED PRICE	TOTAL	19 20
FEDERAL SALES TAX NO.		F.S.T.	1 92
		SUB TOTAL	21 12
PROVINCIAL SALES TAX NO.		PROV. TAX	1 48
LABOUR OR OVERTIME			
		DELIVERY CHARGES	

INVOICE NUMBER	QUALITY CHECK BY	DATE	BILLED BY	DATE
D 57087				

TERMS: PAYMENT ON RECEIPT OF GOODS.

BRUCE A. YOUNGMAN
Consulting Geologist
410 - 325 Howe Street
Vancouver, B.C.
V6C 1Z7

Phone: 683 - 4518

INVOICE: Kengate Resources Ltd.

RE: Rowan-Cameron Lakes
Joint Venture

6.5 Days - Preparation of Rowan-Cameron Lakes Report:
"Summary of Field Work - 1984"

6.5 Days @ $300.00 per day.....$1950.00

Expenses (see attached)..... 36.46

Total owing $1986.46

May 8, 1985

PAID IN FULL

RE: Rowan-Cameron Lakes Joint Venture

EXPENSE ACCOUNT RECORD

Bruce Youngman
NAME (print)

April-May
MONTH

19 85

DATE	DETAILS OF EXPENSE PLACE & PURPOSE	CODE	TRANSPORTATION Mileage @	TRANSPORTATION Train, Plane, Fare, Taxi, etc	MEALS B	MEALS L	MEALS D	HOTEL	OTHER EXPENSES	TOTAL
April 17	Western Reproducers								22 67	22 67
	-blackline prints									
May 8	Stationary Supplies								13 79	13 79
	-for reports									
	TOTAL EXPENSES								36 46	36 46

MONTHLY BALANCE

Balance beginning of month	
Transportation paid by Co.	
Cash Advanced	
Amount expended as above	36 46
Balance end of month — Due to Co.; Due from Co.	

APPROVED

May 8, 1985
DATE PREPARED

EMPLOYEE'S SIGNATURE

WESTERN REPRODUCERS LTD.

514 HORNBY STREET, VANCOUVER, BRITISH COLUMBIA V6C 2E7 - PHONE 684-5391 (HEAD OFFICE)

INVOICE

CS 98552

TERMS
NET, PAYABLE UPON RECEIPT OF INVOICE

TO

SHIP TO

DATE	YOUR ORDER NO.	FED. TAX NO.	PROV. TAX NO.	DATE REQUIRED	DATE SUPPLIED
17/Apr/85					

No. Orig.		DESCRIPTION	CODE	UNIT	QUANTITY	PRICE	AMOUNT
1	2	Rc 28X41 Blackline	711A	17	46	39.36	19.26
2	1	Rc 42X49 Blackline	714A	29			

25.00
22.67
2.33

AUTHORIZED BY	RECEIVED BY	FED. TAX	1.93
		PROV. TAX	1.48
		TOTAL	22.67

CASH SALE

Williams & Mackie
Pender St.
WE THANK YOU

05-08-85
*0842 E
1 7.50 TB
1 5.39 TB
0 12.89
Tx .90
CS 13.79
CA 15.00
CG 1.21

MODIFIED AFTER PRELIMINARY MAP P.831 GEOLOGICAL SERIES

ROWAN LAKE AREA

DISTRICT OF KENORA

NTS Reference: 52 F/3E
ODM-GSC Aeromagnetic Map: 1169C
ODM Geological Compilation Series Map: 2115

LEGEND[1]

CENOZOIC
QUATERNARY
RECENT
Swamp, stream, and lake deposits (unconsolidated)

PLEISTOCENE
Clay, sand, gravel, boulder till (unconsolidated)

Unconformity

PRECAMBRIAN
MIDDLE TO LATE PRECAMBRIAN (PROTEROZOIC)
MAFIC INTRUSIVE ROCKS
6 Diabase

Intrusive Contact

EARLY PRECAMBRIAN (ARCHEAN)
FELSIC INTRUSIVE ROCKS
LATE FELSIC INTRUSIVE ROCKS
5a Granite
5b Porphyritic quartz monzonite[2]
5c Quartz monzonite[2]
5d Monzonite, monzodiorite, syenite[2]
5e Pegmatite dikes and veins[2]
5f Contaminated monzonitic rocks[2]
5g Granite agmatite
5h Hybrid granite

Intrusive Contact

EARLY FELSIC INTRUSIVE ROCKS[6]
4a Granite, aplite
4b Feldspar porphyry[3]
4c Quartz-feldspar porphyry[3]
4d Felsite dikes and sills

Intrusive Contact

MAFIC INTRUSIVE ROCKS[6]
3a Leucogabbro, anorthositic gabbro
3b Gabbro, hornblende gabbro
3c Quartz gabbro, feldspathized quartz gabbro
3d Amphibolitic gabbro (uralitized gabbro)
3e Pyroxenite, (uralitized pyroxenite)
3f Peridotite
3g Gabbro agmatite
3h Hybrid gabbroic rocks
3k Biotite-hornblende diorite and quartz diorite
3m Diorite

Intrusive Contact

METAVOLCANICS
FELSIC TO INTERMEDIATE METAVOLCANICS AND INTRAVOLCANIC (INTERCALATED) METASEDIMENTS[6]
2a Rhyolite and rhyodacite
2b Silicic tuff ('quartz porphyry')[4]
2c Rhyolite-rhyodacite tuff
2d Dacite
2e Dacitic tuff
2f Rhyolitic lapilli-tuff
2g Dacitic lapilli-tuff
2h Dacitic crystal lapilli-tuff
2k Pyroclastic breccia
2m Sericite schist (tuff-derived
2n Tuffaceous sediments (unsubdivided)
2p Tuff-argillite

MAFIC TO INTERMEDIATE METAVOLCANICS[6]
1a Pillowed basalt and andesite lava
1b Massive basalt lava
1c Porphyritic (plagioclase feldspar) basalt ('leopard rock')
1d Recrystallized, dense, brittle basalt ('blackjack lava')
1e Pillow breccia, flow breccia
1f Tuff
1g Lapilli-tuff
1h Pyroclastic breccia
1k Amphibolitic basalt and andesite
1m Chlorite schist
1p Subvolcanic basalt and trap dikes

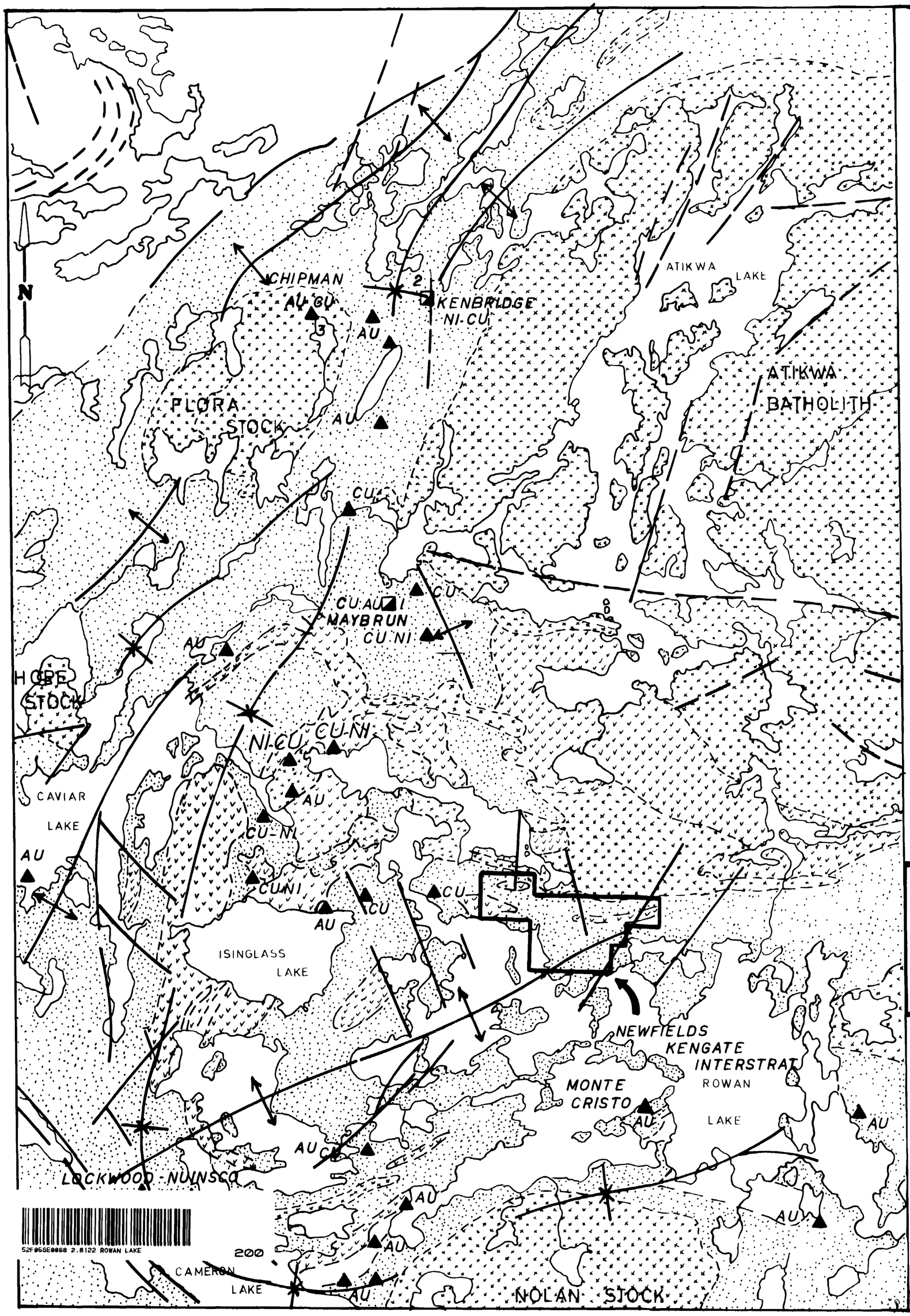
NEWFIELDS MINERALS INC.
KENGATE RESOURCES LTD.
INTERSTRAT RESOURCES INC. J. LANGELAAR

PROVINCE OF MANITOBA REGISTERED ENGINEER July 6th, 1984

2.8122

MILES

Noranda exploration ltd.



LEGEND.

- FELSIC AND INTERMEDIATE INTRUSIVES.
- METAMORPHOSED MAFIC AND ULTRAMAFIC INTRUSIVES
- MAFIC METAVOLCANICS
- FAULT
- LINEAMENT
- ANTICLINAL AXIS
- SYNCLINAL AXIS
- FOLIATION TREND LINES
- SHAFT AND UNDERGROUND DEVELOPMENT
- MINERAL OCCURRENCE

NEWFIELDS MINERALS INC.
KENGATE RESOURCES LTD.
INTERSTRAT RESOURCES INC.

GEOLOGICAL COMPILATION MAP.

(MODIFIED AND SIMPLIFIED AFTER MAP 2443 BY BLACKBURN 1973 - 1978)

ATIKWA - CAMERON - ROWAN LAKES AREA

0 1 2 3 4
MILES

PROVINCE OF MANITOBA
J. LANGELAAR
REGISTERED ENGINEER

July 6th 1984

NORONTEX EXPLORATION LTD DRYDEN JULY '84.

2.8122

49°22' 93°37'

93°37' 49°22'

DENMARK LAKE

EWEN BAY

ROWAN LAKE

TURNER BAY

BRUCE LAKE

KNAPPETT COVE

PROPERTY BOUNDARY

LONGE TRENCHES

960,4.3,11726
176,1.4,3281
-,-,100
31,1.0,1341
74400,20.3,37588
880,14.5,21981
1500,7.1,16941
45,1.0,2066
54,1.6,3465

56,0.7,1058
330,6.8,11,212
355,6.8,,11233
115,1.5,,4051
-,0.7,,234

395,3.4,,3993
23,0.3,,129
,,,259
-,0.6,,1070

TROOPER TRENCHES

-,-,281
-,-,273
-,0.3,462
-,0.4,257
-,0.3,225

JAIL BIRD TRENCH

-,0.5,681
-,0.4,528
38,0.9,2703
,88,1.6,15569
-,0.5,1023

48,0.5,832
105,1.9,1257

450,7.5,24534
,150,2.9,9378

CP,SIL
22,-,1617
-,-,1617
-,-,217
-,-,185
CP,BO,SIL
CP,BO,MA,AZ
CC(?),SIL
CP,SIL
-,0.3,3598
34,0.6,2261
21,0.4,-,-,12,742
27,0.7,1568
MA
-,0.3,549
26,-,-,-
78,0.5,279
GOS,SIL
ANK
24,-,-,-,0.3,271
-,-,463
52,0.3,120
-,-,-,-
40,-,-,288
61,-,-,397
47,0.8,,327
40,-,-,479
95,-,-,619
60,-,-,269
23,0.5,190
28,-,-,187
20,-,-,245
55,-,-,345
CP,SIL
-,-,147
-,0.4,133
-,-,256
TRENCH
27,0.3,3598
-,0.3,-
26,1.6,1373
-,-,385
34,-,-,182
CP,SIL
GOS
-,-,185
-,0.4,1618
TRENCH
SIL
SH,TO,ANK,CP
SER,BO,
SIL
CP
TRENCH
-,0.4,685
28,1.0,3699
-,-,235
-,0.4,262
CP,BO,SIL
-,0.4,732
CP,MA,SIL
-,0.4,208
-,0.4,256
264
22,-,-,104
CP
22,0.3,232
-,-,117
SIL
CP,SIL
MA
-,-,101
-,0.3,152
-,0.3,1415
CP,BO,MA,SIL
SIL
-,-,159
-,0.6,-
-,0.3,-

LOCATION MAP

LEGEND

Au,Ag,Cu	Soil sample site GOLD ≥ 20 ppb, SILVER ≥ 0.3 ppm, COPPER ≥ 100 ppm
Au,Ag,Cu	Rock sample site GOLD ≥ 20 ppb, SILVER ≥ 0.3 ppm, COPPER ≥ 100 ppm
CP	CHALCOPYRITE
BO	BORNITE
MA	MALACHITE
AZ	AZURITE
CC	CHALCOCITE
SH	SPECULAR HEMATITE
TO	TOURMALINE
SIL	SILICIFICATION
GOS	GOSSAN
ANK	ANKERITE
SER	SERICITE

ROWAN-CAMERON LAKE JOINT VENTURE

ROWAN LAKE PROPERTY

Au, Ag, Cu GEOCHEMISTRY & MINERALIZATION

NTS 52 F/5 M-2580

1 : 5,000

METRES 25 0 125 250 375 500 METRES

FEET 500 250 0 500 1000 1500 2000 FEET

APRIL 1985

PLATE II

49°20' 93°37'

49°22' 93°37'

DENMARK LAKE

EWEN BAY

KNAPPETT COVE

BRUCE LAKE

TURNER BAY

ROWAN LAKE

ROWAN LAKE

PROPERTY BOUNDARY

BASE LINE 56 N

B 20 N

28 E 32 E 36 E 40 E 44 E 48 E

B 60 E B 100 E

E1 E2 E2-6 E3 E4 E5 E6-7, K13 E7 E8 E9 E10-18 E17, 18 E19-23, Y21-22 K16, 17 E27, 28

K1 K2 K3, E6 K3 K4 K5 K6 K7-10 K11 K12 K15 K18, 19 K18, 17 Y1-3 Y4 Y5, 6 Y7 Y8 Y9, 10 Y11 Y12, K5 Y13, K6 Y14 Y15, E16 Y17 Y16 Y15 Y8 Y18 Y23, 24 Y25-26 Y27 Y28 Y29 Y30 Y31 Y32 Y33 Y34 Y12-13, E9-13 Y14, 15 Y19, 20

LOCATION MAP

MAP AREA

ONTARIO

U.S.A.

LAKE SUPERIOR

LEGEND

△ SOIL SAMPLE SITE AND NUMBER

□ ROCK SAMPLE SITE AND NUMBER

ROCK TYPES

GABB - Gabbro

MAFIC - Mafic Volcanics

MINERALIZATION AND ALTERATION

- Chalcopyrite
- Bornite
- Pyrite
- Arsenic
- Silicification
- "Black Rock Lens" (chert, magnetite rock)
- Swamp
- Outcrop
- Edge of Swamp
- Approximate Geological Contact

ROWAN-CAMERON LAKE JOINT VENTURE

ROWAN LAKE PROPERTY

SAMPLE LOCATION MAP

NTS 52 F/5 M-2580

1 : 5,000

METRES 125 0 125 250 500 750 METRES

FEET 500 0 500 1000 1500 2000 FEET

APRIL 1985

PLATE 2

229

794718

714719

745193

745192

745180

745181

LEGEND

- SOIL SAMPLE SITE AND Au ≥ 20ppb, Ag ≥ 0.3ppm, Cu ≥ 100ppm
- CLAIM POST
- CLAIM LINE
- SWAMP BOUNDARY
- SWAMPY TERRAIN

ROWAN-CAMERON LAKE JOINT VENTURE

ROWAN LAKE PROPERTY

Au Ag Cu GEOCHEMISTRY

NTS 52 F/5 M 2580

SCALE 1" = 100'

DECEMBER 1984

PLATE 3

2.8122.

794718

714719

745193

745192

745180

745181

HIGH RIDGE

approximate

TRENCHED AREA

BASELINE 56N

TRENCHES ON OUTCROP RIDGE

old trench

70N– 69N– 68N– 67N– 66N– 65N– 64N– 63N– 62N– 61N– 60N– 59N– 58N– 57N– BL56N– 55N– 54N– 53N– 52N– 51N– 50N– 49N– 48N– 47N– 46N– 45N– 44N–

28E– 32E– 36E– 40E– 44E– 48E–

. 9241 sample site and number

swampy terrain - no sample

outcrop or boulders - no sample

swamp boundary

claim line

claim post

NEWFIELDS - INTERSTRAT - KENGATE

ROWAN LAKE PROPEPTY

PRELIMINARY SOIL SAMPLING - SKETCH MAP

SCALE : 1" = 100

DRYDEN, NOV 1984
NORONTEX EXPLORATION LTD

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